Task ID#
2270

TME Asphalt Ridge Mine #1
Form MR-LMO Permit #M0470089
UDOGM Task #1749

Revision 4
February 2008

Prepared by:
Ames Construction, Inc.
3737 West 2100 South
West Valley City, UT 84120

Incoming
cc: Leslie
Ted

Ames Construction, Inc.
3737 West 2100 South
West Valley City, UT 84120
801-977-8012 • Fax 801-977-8088

June 26, 2008

Hand Delivery

Susan M. White, Mining Program Coordinator
Utah Department of Natural Resources
Division of Oil, Gas & Mining
1594 West Temple Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Re: Permit # M0470089 / UDOGM Task #1749
TME Asphalt Ridge Mine #1
Revision 7 Submittal

Dear Ms. White:

On behalf of TME Asphalt Ridge, LLC, Ames Construction, Inc. is submitting Revision 7, thereby completing Permit #M0470089 Application. Please consider this revision as formal correspondence to the Division's June 12, 2008 Sixth Draft Review.

The enclosed submittal reflects agreed-upon changes to Appendix 5 (2.5-year reclamation bond cost estimate) as well as rectifying some minor organizational housekeeping items encountered while compiling one complete permit application. The acreage change from the draft 153 acres to the final 124 acres in Appendix 5 results from recalculations. Please refer to the supplemental Appendix 5 figure which shows the facility name corresponding acreages. Form MR-REV, attached, details changes to the May 7, 2008 Sixth Review document. We are providing replacement pages (2 sets) for the Division to incorporate into the existing documents on file with the Division. We have provided a redline strike out version for Attachment 2 in addition to a version with the changes accepted.

We acknowledge the public comments submitted to your office June 13, 2008 by the Division of Air Quality and the Utah Geological Survey. Air Quality Rule R307-205-7 fugitive dust emissions permitting for current and future expanded operations is covered under Ames-held Title V Miner Permit #N011941-0009. Air quality will be mitigated pursuant to the permit. A qualified paleontologist, Intermountain Paleo-Consulting, has been retained to survey the State Fee Land area for significant vertebrate fossils per the Office of the State Paleontologist request in the June 11, 2008 letter to DOGM. The survey will take place mid July. A copy of the resulting "Determination of Findings" will be forwarded to the division.

The Applicant respectfully requests the Division to consider this NOI complete at this time. Please provide acceptance of this submittal within ten (10) business days so the bond can be issued and the operating permit can be expeditiously issued by the Division.

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Please contact me with any questions or concerns with this submittal and thank you for your cooperation on this important matter.

Sincerely

Leonard Boteilho
Senior Manager

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cc: John Baza, Director, Division of Oil, Gas and Mining, w/o enclosures
Dana Dean, Associate Director, Division of Oil, Gas and Mining, w/o enclosures
Jim Runquist, TM&E w/o enclosures
Robert Trent, TM&E w/o enclosures

FORM MR-LMO
(Revised June 2007)

FOR DIVISION USE ONLY

File #: M / / _____
Date Received: _____
DOGM Lead: _____
Permit Fee $_____ Ck # _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1594 West North Temple Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801
Telephone: (801) 538-5291 Fax: (801) 359-3940

NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS

The informational requirements in this form are based on provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1953, General Rules and Rules of Practice and Procedures.

This form applies only to mining operations which disturb or will disturb more than five acres at any given time.

"MINING OPERATIONS" means those activities conducted on the surface of the land for the exploration for, development of, or extraction of a mineral deposit, including, but not limited to, surface mining and the surface effects of underground and in situ mining, on-site transportation, concentrating, milling, evaporation, and other primary processing.

"Mining operation" does not include: the extraction of sand, gravel, and rock aggregate; the extraction of oil and gas as defined in Chapter 6, Title 40; the extraction of geothermal steam; smelting or refining operations; off-site operations and transportation; or reconnaissance activities which will not cause significant surface resource disturbance or involve the use of mechanized earth-moving equipment such as bulldozers or backhoes.

PLEASE NOTE: *This form is to be used as a guideline in assembling the information necessary to satisfy the Large Mining Operations Notice of Intention requirements.* ***You will need extra space to provide a majority of the information requested****. Please provide the information on additional sheets and include cross-referenced page numbers as necessary. The Permittee / Operator may submit this information on an alternate form; however, the same or similar format must be used*

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I. **Rule R647-4-104 - Operator(s), Surface and Mineral Owners**
The Permittee / Operator must provide the name, address and telephone number of the individual or company who will be responsible for the proposed operation. **Business entities listed as the Permittee / Operator, must include names and titles of the corporate officers on a separate attachment.**

1. **Mine Name: TME AR Mine #1 [formerly TME Asphalt Ridge LLC Cameron #1 (SO470036) and TME AR Lecy Mine (S0470088)]**

2. Legal name of entity (or individual) for whom the permit is being requested: **TME Asphalt Ridge, LLC**
Mailing Address: **c/o 2400 South Highway 40**
City, State, Zip: **Vernal, UT 84078**
Phone: **435.781.8022** Fax: **435.781.8022**
E-mail Address: runquist@templemountainenergy.com

Type of Business: Corporation ( ) LLC (**X**) Sole Proprietorship (dba) ( )

Partnership ( ) General_____ or _____limited
Or:
Individual ( )

Entity must be registered (and maintain registration) with the State of Utah, Division of Corporations (DOC) www.commerce.utah.gov.
Are you currently registered to do business in the State of Utah? **X** Yes No
Entity # **6062415-0161**
If no, contact www.commerce.utah.gov to renew or apply.
Local Business License # _____(if required)
Issued by: County _____or City _____

Registered Utah Agent (as identified with the Utah Department of Commerce) *(if individual leave blank)*:
Name: **CT Corporation System**
Address: **50W Broadway**
City, State, Zip: **Salt Lake City, UT 84101**
Phone: _____ Fax:_____
E-mail Address: _____

3. **Permanent Address: 4526 Ridgeview Drive**
Eagan, MN 55123

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Phone: **651.452.7125** Fax: **651.905.1998**

4. **Contact Person(s)** *Please provide as many contacts as necessary.*
Name: **Jim Runquist** Title: **General Manager & Chairman**
Address: **c/o Temple Mountain Energy Asphalt Ridge, LLC. , 2400 E. Highway 40**
City, State, Zip: **Vernal, UT 84078**
Phone: **435.781.8022** Fax: **435.781.8022**
Emergency, Weekend, or Holiday Phone: **651.301.2020**
E-mail Address: runquist@templemountainenergy.com

Contact person to be notified for: permitting (X) surety (X) Notices (X) (please check all that apply)

5. **Location of Operation**:

County(ies) **Uintah**

NE1/4	of	SW1/4,	Section: 31	Township: 5S	Range: 22E
SE1/4	of	SW1/4,	Section: 31	Township: 5S	Range: 22E
SW1/4	of	SW1/4,	Section: 31	Township: 5S	Range: 22E
NW1/4	of	SW1/4,	Section: 31	Township: 5S	Range: 22E
NW1/4	of	SE1/4,	Section: 31	Township: 5S	Range: 22E
SW1/4	of	SE1/4,	Section: 31	Township: 5S	Range: 22E
NE1/4	of	SE1/4,	Section :36	Township: 5S	Range: 21E

The names of the surface and mineral owners for any areas which are to be impacted by mining must be provided to the Division. This list should include all private, state and federal ownership and the owners of lands immediately adjacent to the project areas.

6. **Ownership of the land surface** (circle all that apply):
   Private (**Fee**), Public Domain (BLM), National Forest (USFS), State of Utah (**SITLA**) or other:
   Name: **Sam Arentz** Address: **7350 Island Queen Road, Sparks, NV 89436**
   Name: **State of Utah (SITLA)** Address: **675 East 500 South, Suite 500, SLC, UT 84102**
   Name: _____ Address: _____
   Name: _____ Address: _____

7. **Owner(s) of record of the minerals to be mined** (circle all that apply):
   Private (**Fee**), Public Domain (BLM), National Forest (USFS), State of Utah (**SITLA**) or other:
   Name: **Sam Arentz** Address: **7350 Island Queen Road, Sparks, NV 89436**
   Name: **State of Utah (SITLA)** Address: **675 East 500 South, Suite 500, SLC, UT 84102**
   Name: _____ Address: _____
   Name: _____ Address: _____

8. **BLM Lease or Project File Number(s) and/or USFS Assigned Project Number(s):**_____
   _____

   BLM Claim Numbers: _____

   Utah State Lease Number(s): ML50058 (approximately 40 acres to 1000")

   Name of Lessee(s): Parallel Petroleum

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9. **Adjacent land owners:**
   Name: **State of Utah (SITLA)** Address: **675 East 500 South, Suite 500, SLC, UT 84102**
   Name: Barolo LLC Address: **1800 Fifth Street Towers, 150 South Fifth Street Minneapolis MN 55402-4218**
   Name: Parallel Petroleum Address: **1004 N. Big Spring St. Suite 400 Midland TX 79701**
   Name: **U.S. BLM** Address: **4824 S. Highland Circle, #205**
   Lease #UTU 85446
   Deer Valley Resources, LLC

10. **Have the land, mineral and adjacent land owners been notified in writing?**
    Yes **X** No ___
    If no, why not? _____
    _____

11. **Does the Permittee / Operator have legal right to enter and conduct mining operations on the land covered by this notice?** Yes **X** No_____.

II. Rule R647-4-105 - Maps, Drawings & Photographs

SEE ATTACHMENT II

105.1 - Base Map

A complete and correct topographic base map (or maps) with appropriate contour intervals must be submitted with this notice showing all of the items on the following checklist. The scale should be approximately 1 inch = 2,000 feet (preferably a USGS 7.5 minute series or equivalent topographic map where available). The map(s) must show the location of lands to be affected in sufficient detail to allow measurement of the proposed area of surface disturbance.

Base Map Checklist

Please check off each section to verify these features are included on the map(s) or explain why it is not applicable. Please add the map identification name or number which shows these features.

Check			Map ID
____	(a)	Property boundaries of surface ownership of all lands which are to be affected by the mining operations;	_____
____	(b)	Perennial, intermittent, or ephemeral streams, springs and other bodies of water; roads, buildings, landing strips, electrical transmission lines, water wells, oil and gas pipelines, existing wells or boreholes, or other existing surface or subsurface facilities within 500 feet of the proposed mining operations;	_____
____	(c)	Proposed route of access to the mining operations from nearest publicly maintained highway (Map scale appropriate to show access);	_____
____	(d)	Known areas which have been previously impacted by mining or exploration activities within the proposed land affected;	_____
____	(e)	Areas proposed to be disturbed or reclaimed over the life of the project or other suitable time period.	_____

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105.2 - Surface Facilities Map

Surface Facilities Map Checklist

Surface facilities maps should be provided at a scale of not less than 1" = 500'.

Please check off each section to verify these features are included on the map(s) or explain why it is not applicable. Please add the map identification name or number which shows these features.

Check Map ID

_____ (a) Proposed surface facilities, including but not limited to: buildings, stationary mining/processing equipment, roads, utilities, power lines, proposed drainage control structures, and the location of topsoil storage areas, overburden/waste dumps, tailings or processed waste facilities, disposal areas for overburden, solid and liquid wastes, and wastewater discharge treatment and containment facilities; _____

_____ (b) A border clearly outlining the extent of the surface area proposed to be affected by mining operations, and the number of acres proposed to be affected; _____

_____ (c) The location of known test borings, pits, or core holes. _____

105.3 - Additional Maps

Reclamation Treatments Map Checklist

Please check off each section to verity these features are included on the map(s) or explain why it is not applicable. Please add the map identification name or number which shows these features.

Check Map ID

_____ (a) Areas of the site to receive various reclamation treatments shaded, cross hatched or color coded to identify which reclamation treatments will be applied. Areas would include: buildings, stationary mining/processing equipment, roads, utilities, proposed drainage improvements or reconstruction, and sediment control structures, topsoil storage areas, waste dumps, tailings or processed waste facilities, disposal areas for overburden, solid and liquid wastes, ponds, and wastewater discharge, treatment and containment facilities. Reclamation treatments may include ripping, regrading, replacing soil, fertilizing, mulching, broadcast seeding, drill seeding, and hydroseeding: _____

_____ (b) A border clearly outlining the extent of the area to be reclaimed after mining, the number of acres disturbed, and the number of acres proposed for reclamation: _____

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_____ (c) Areas disturbed by this operation which are included in a request for a variance from the reclamation standards: _____

_____ (d) Highwalls which are proposed to remain steeper than 45 degrees and slopes which are proposed to remain steeper than 3 horizontal : 1 vertical. _____

Note: Areas included in sections c & d will need to be referenced in the variance request section. Please shade or color code these areas on this map.

Additional maps and cross sections may be required in accordance with Rule R647-4-105.3. Design drawings and typical cross-sections for each tailings pond, sediment pond, or other major drainage control structures must also be included.

III. Rule R647-4-106 - Operation Plan

SEE ATTACHMENT II

106.1 - Mineral(s) to be mined:_____

106.2 - Type of Operation Conducted:

Describe the typical methods and procedures to be used in mining operations, on-site processing and concurrent reclamation. Include equipment descriptions where appropriate.

106.3 - Estimated Acreage

Acreage listed here should match areas measured off the maps provided.

Areas of actual mining:	_____
Overburden/waste dumps:	_____
Ore and product stockpiles:	_____
Access/haul roads:	_____
Associated on-site processing facilities:	_____
Tailings disposal:	_____
Other - Please describe:	_____
Total Acreage	_____

106.4 - Nature of material including waste rock/overburden and estimated tonnage

Describe the typical annual amount of the ore and waste rock/overburden to be generated, in cubic yards. Where does the waste material originate? What is the nature of the overburden/wastes (general chemistry/mineralogy and description of geologic origin)? Will it be in the form of fines or coarse material? What are the typical particle size and size fractions of the waste rock?

Thickness of overburden:	_____ ft.
Thickness of mineral deposit:	_____ ft.
Estimated annual volume of overburden:	_____ cu. yds.
Estimated annual volume of tailings/reject materials:	_____ cu. yds.
Estimated annual volume of ore mined:	_____ cu. yds.

Overburden/waste description: _____

106.5 - Existing soil types, location of plant growth material

Specific information on existing soils to be disturbed by mining will be required. General soils information may not be sufficient.

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Provide specific descriptions of the existing soil resources found in the area. Soil types should be identified along with depth and extent, especially those to be directly impacted by mining.

Soils - The plan shall include an Order 3 Soil Survey (or similar) and map. This information is needed to determine which soils are suitable for stockpiling for revegetation. This soil data may be available from the local Natural Resources Conservation Service office, or if on public lands, from the land management agency. The map needs to be of such scale that soil types can be accurately determined on the ground (see Attachment I).

(a) Each soil type to be disturbed needs to be field analyzed for the following:

Depth of soil material	_____inches
Volume (for stockpiling)	_____ cu. yds.
Texture (field determination	_____
pH (field determination)	_____
(cross reference with item 106.6)	

(b) Where there are problem soil areas (as determined from the field examination) laboratory analysis may be necessary. Soil samples to be sent to the laboratory for analysis need to be about one quart in size, properly labeled, and in plastic bags. Each of the soil horizons on some sites may need to be sampled. Soil sample locations need to be shown on the soils map. Soil analysis for these samples should include: texture, pH, Ec (conductivity), CEC (Catoin Exchange Capacity), SAR, % Organic Matter, Total N, Available Phosphorus (as P_20_5), Potassium (as K_20), and acid/base potential.

106.6 - Plan for protecting and redepositing existing soils

Thickness of soil material to be salvaged and stockpiled:	_____ inches
Area from which soil material can be salvaged: (show on map)	_____ acres
Volume of soil to be stockpiled:	_____ cu. yds.
(cross reference with item 106.5 (a))	

Describe how topsoil or subsoil material will be removed, stockpiled and protected.

106.7 - Existing vegetative communities to establish revegetation success

Vegetation - The Permittee / Operator is required to return the land to a useful condition and reestablish at least 70 percent of the premining vegetation ground cover.

Provide the Division with a description of the plant communities growing onsite and the percent vegetation cover for each plant community located on the site. Describe the methodology used to obtain these values.

The percent ground cover is determined by sampling the vegetation type(s) on the areas to be mined (see Attachment I for suggested sampling methods).

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(a) Vegetation Survey - The following information needs to be completed based upon the vegetation survey:

Sampling method used _____
Number of plots or transects (10 minimum) _____

Ground Cover	Percent
Vegetation (perennial grass, forb and shrub cover)	_____
Litter	_____
Rock/rock fragments	_____
Bare ground	_____
	100%
Revegetation Requirement (70 percent of above vegetation figure)	_____%

Indicate the vegetation community(ies) found at the site.

List the predominant perennial species of vegetation growing in each vegetation community type.

_____ _____
_____ _____
_____ _____
_____ _____

(b) Photographs - The Permittee / Operator may submit photographs (prints) of the site to show existing vegetation conditions. These photographs should show the general appearance and condition of the area to be affected and may be utilized for comparison upon reclamation of the site. Photographs should be clearly marked as to the location, orientation and the date they were taken.

106.8 - Depth to groundwater, overburden material & geologic setting

Describe the approximate depth to groundwater in the vicinity of the operation based on the completion of any monitoring or water wells in the area. Please show the location of these wells on the base map.

Depth to groundwater _____ ft.

Provide a narrative description of the geology of the area and/or a geologic cross section.

106.9 - Location and size of ore and waste stockpiles, tailings and treatment ponds and discharges

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Describe the location and size of any proposed waste/overburden dumps, stockpiles, tailings facilities and water storage or treatment ponds.

Describe how overburden material will be removed and stockpiled.

Describe how tailings, waste rock, rejected materials, etc. will be disposed of.

Describe the acreage and capacity of waste dumps, tailings ponds and water storage ponds to be constructed. All impoundments must include the necessary hydrologic calculations to determine if they are adequately sized to handle storm events.

Describe any proposed effluent discharge points (UPDES) and show their location on the surface facilities map. Give the proposed discharge rate and expected water quality. Attach chemical analyses of such discharge if available.

IV. **R647-4-107 - Operation Practices**

SEE ATTACHMENT II

During operations, the Permittee / Operator shall conform to the practices listed under this section of the Minerals Rules unless the Division grants a variance in writing.

Describe measures taken to minimize hazards to public safety during mining operations regarding:

the closing or guarding of shafts and tunnels to prevent unauthorized or accidental entry in accordance with MSHA regulations;

the disposal of trash, scrap metal, wood and extraneous debris;

the plugging or capping of drill, core or other exploratory holes;

the posting of appropriate warning signs in locations of public access to operations;

the construction of berms, fences or barriers above highwalls or other excavations.

If any of these safety measures are unnecessary, please explain why.

Describe measures taken to avoid or minimize environmental damages to natural drainage channels which will be affected by this mining operation.

Describe measures taken to control and minimize sediment and erosion on areas affected by this mining operation. Describe measures being taken to prevent sediment from leaving the disturbed area.

Identify any potentially deleterious materials that may be stored on site (including fuel, oil, processing chemicals, etc.) and describe how they will be handled and stored.

Describe the measures taken to salvage and store soils to be used in reclamation.

Describe how stockpiled topsoil will be protected from erosion and further impact.

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Please describe any reclamation to be done during active mining operations prior to final closure. Reference these areas on a map.

V. Rule R647-108 - Hole Plugging Requirements

SEE ATTACHMENT II

All drill holes which will not eventually be consumed by mining must be plugged according to the methods listed in this section. Describe the location of any aquifers encountered by drilling and the method to be used to plug such water containing holes. Describe the method to be used for plugging holes not containing water.

VI. Rule R647-109 - Impact Statement

SEE ATTACHMENT II

109.1 - Surface and groundwater systems

Describe impacts to surface or groundwater which could be caused by this mining operation. Describe how these impacts will be monitored and mitigated. The appropriate groundwater and stormwater control permits need to be obtained from the Division of Water Quality. Please reference any such permits.

109.2 - Wildlife habitat and endangered species

Describe the impacts on wildlife habitat associated with this operation. Describe any impacts to big game species found in the area. Describe any impacts to riparian areas. Describe any impacts this operation will have on waterfowl (fly-over, temporary resident or permanent resident). List any threatened or endangered wildlife species found in the area. Describe impacts to threatened or endangered species and their habitats. Describe measures to be taken to minimize or mitigate any impacts to wildlife or endangered species.

109.3 - Existing soil and plant resources

Describe impacts to the existing soil and plant resources in the area to be affected by mining operations. Describe impacts to riparian or wetland areas which will be affected by mining. Describe impacts to threatened or endangered plant species. Describe measures to be taken to minimize or mitigate any impacts to soil and plant resources.

109.4 - Slope stability, erosion control, air quality, public health & safety

Describe the impacts this mining operation will have on slope stability, erosion, air quality, public health and safety. Include descriptions of highwall and slope configurations and their stability. Air quality permits from the Utah Division of Air Quality may be required for mining operations. Please reference any such permits. Describe measures to be taken to minimize or mitigate impacts to slope stability, erosion, air quality, or public health and safety.

VII. Rule R647-4-110 - RECLAMATION PLAN

SEE ATTACHMENT II

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110.1 - Current land use and postmining land use

Current or premining land use(s) [other than mining]: _____

List future post-mine land-use(s) proposed:_____

(Develop the reclamation plan to meet proposed post-mine land use.)

110.2 - Reclamation of roads, highwalls, slopes, leach pads, dumps, etc.

Describe how the following features will be reclaimed: roads, highwalls, slopes, impoundments, drainages and natural drainage patterns, pits, ponds, dumps, shafts, adits,8 drill holes and leach pads. Describe the configuration of these features after final reclamation. Describe the rinsing and neutralization of leach pads associated with final decommissioning.

Describe how roads will be reclaimed. Road reclamation may include: regrading cut and fill sections, ripping the road surface with a dozer, topsoil replacement, construction of water bars, construction of traffic control berms or ditches, and reseeding.

Describe how highwalls will be reclaimed. Highwall reclamation may include: drilling and blasting, backfilling, regrading, topsoil replacement, and reseeding.

Describe how slopes will be reclaimed. Slope reclamation may include: regrading to a 3 horizontal : 1 vertical (3h:1v) configuration, topsoil replacement, contour ripping, pitting, and reseeding.

Describe how impoundments, pits and ponds will be reclaimed. Include the final elevations and final disposition of the drainage in and around the impoundment. If the impoundment, pit, or pond is intended to be left as part of the post-mining land use, then an agreement with the land managing agency/owner is required. Structures to remain must be left in a stable condition.

Include the final size of the impoundment, pit, pond in acre-feet of storage and the capacity of the spillway to safely pass storm events.

Impoundments, pits, and ponds, which are not approved as part of the post mining land use shall be reclaimed, free draining, and the natural drainage patterns restored.

Describe how drainages will be reclaimed. Drainage reclamation would include: the reestablishment of a natural drainage pattern which fits in with the upstream and downstream cross-section of existing drainage in the vicinity of the disturbance; the reestablishment of a stable channel in the reclaimed reach of channel, using the necessary armoring to prevent excessive erosion and downstream sedimentation.

Include cross-sections and profiles of reestablished channels to demonstrate compatibility with existing drainage characteristics.

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Describe how waste dumps will be reclaimed. Waste dump reclamation may include regrading to a 3h:1v configuration, topsoil replacement, mulch or biosolids

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applications, contour ripping or pitting, and reseeding. Characterization of the physical and chemical nature of the waste dump materials should be provided.

Describe how shafts and adits will be reclaimed. Reclamation of shafts may include: backfilling, installation of a metal grate, installation of a reinforced concrete cap, topsoil replacement and reseeding. Reclamation of adits may include: backfilling, installation of a block wall, installation of a metal grate, topsoil replacement and reseeding.

Describe how drill holes will be reclaimed. Drill hole reclamation must be consistent with the rules for plugging drill holes (R647-4-108). Reclamation of plugged drill holes may include topsoil replacement and reseeding.

Describe how tailings areas will be reclaimed. Tailings reclamation may include: dewatering, neutralization, placement of cap materials, placement of subsoil materials, topsoil replacement and reseeding. Characterization of the physical and chemical makeup of the tailings material should be provided.

Describe how leach pads will be reclaimed. Reclamation of leached materials may include: neutralization or leached materials, rinsing of leached materials, dewatering leached materials, regrading slopes of leached materials to 3h:1v, extending pad liners, placement of capping materials, placement of subsoil materials, mulch or biosolids application, topsoil replacement and reseeding. Characterization of the physical and chemical makeup of the leached materials should be provided. Post closure monitoring and collection of drain down fluids should also be addressed.

NOTE: The Minerals Rules require overall highwall angles of no more than 45° at final reclamation unless a variance is granted. All dump or fill slopes should be left at an angle of 3h:1v or less. Any slopes steeper than 3h:1v must be reclaimed using state-of-the-art surface stabilization technology. Pit benches exceeding 35 feet in width should be topsoiled, or covered with fines, and revegetated.

Describe the final disposition of any stockpiled materials on site at the time of final reclamation.

110.3 - Surface facilities to be left

Describe any surface facilities which are proposed to remain on-site after reclamation (buildings, utilities, roads, drainage structures, impoundments, etc.). Describe their post-mine application. *Justification for not reclaiming these facilities must be included in the variance request section.*

110.4 - Treatment, location and disposition of deleterious materials

Describe the nature and extent of any deleterious or acid forming materials located on-site. Describe how these materials will be neutralized, removed, or disposed of on site. Describe how buildings, foundations, trash and other waste materials will be disposed of.

110.5 - Revegetation planting program and topsoil redistribution

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Describe the revegetation tasks to be performed in detail. For example, will ripping, mulching, fertilizing, seeding and scarifying of these areas be performed and if so, how will this be accomplished? Correlate this information with the Reclamation Treatments Map.

a) Soil Material Replacement

In order to reestablish the required ground cover, one to two feet (depending on underlying material) of suitable soil material usually has to be redistributed on the areas to be reseeded. If the stockpiled soil isn't sufficient for this, soil borrow areas will need to be located.

Describe the volume of soils and approximate depth of soil cover to be used in reclamation. Describe the source of these soils and provide an agronomic analysis of the soils. If soils will not be used describe the alternative material or amendments to be applied in lieu of soils. Describe the methods used to transport and place soils.

b) Seed Bed Preparation

Describe how the seedbed will be prepared and equipment to be used.
The Division recommends ripping or discing to a minimum of 12 inches and leaving the seed bed surface in as roughened condition as possible to enhance water harvesting, erosion control and revegetation success. Compacted surfaces such as roads and pads should be deep ripped a minimum of 18 inches.

c) Seed Mixture - List the species to be seeded:

Provide a seed mix listing adaptable plant species and the rate of seeding that will be used at the site for reclamation. More than one seed mix may be needed, depending upon the areas to be reclaimed. Keep the proposed post-mining land use in mind when developing seed mixes.

Example

Species Name	Common Name	Seeding Rate (lbs Pure Live Seed/Acre)

Total lbs/acre _____

(The Division recommends seeding 12-15 lbs./acre of native and introduced adaptable species of grass, forb, and browse seed for drill seeding and 15-20 lbs./acre for broadcast or hydro seeding. The Division can provide assistance in developing reclamation seed mixes if requested).

d) Seeding Method

Describe method of planting the seed.
The Division recommends planting the seed with a rangeland or farm drill. If broadcast seeding, harrow or rake the seed 1/4 to 2 inch into the soil. Fall is the preferred time to seed.

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e) Fertilization

Describe fertilization method, type(s) and application rate (if needed).

f) Other Revegetation Procedures

Please describe other reclamation procedures, such as mulching, biosolids application, irrigation, hydroseeding, etc., that may be planned.

VIII. **Rule R647-4-112 VARIANCE**

SEE ATTACHMENT II

The Permittee / Operator may request a variance from Rules R647-4-107 (Operation Practices), R647-4-108 (Hole Plugging), and R647-4-111 (Reclamation Practices) by submitting the following information:

1.11 the rule(s) which a variance is requested from; (rule number and content)

1.12 a description of the specific variance requested and a description of the area affected by the variance request; show this area on the Reclamation Treatments Map(s).

1.13 justification for the variance;

1.14 alternate methods or measures to be utilized in the variance area.

Variance requests are considered on a site-specific basis. For each variance requested, attach a narrative which addresses the four items listed above.

IX. **Rule R647-4-113 - SURETY**

SEE ATTACHMENT II

A Reclamation surety must be provided to the Division prior to final approval of this application. In calculating this amount, include the following major tasks:

1) Clean-up and removal of structures.
2) Backfilling, grading and contouring.
3) Soil material redistribution and stabilization.
4) Revegetation (preparation, seeding, mulching).
5) Safety gates, berms, barriers, signs, etc.
6) Demolition, removal or burial of facilities/structures, regrading/ripping of facilities areas.
7) Regrading, ripping of waste dump tops and slopes.
8) Regrading/ripping stockpiles, pads and other compacted areas.
9) Ripping pit floors and access roads.
10) Drainage reconstruction.
11) Mulching, fertilizing and seeding the affected areas.
12) General site clean up and removal of trash and debris.
13) Removal/disposal of hazardous materials.

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14) Equipment mobilization.
15) Supervision during reclamation.

To assist the Division in determining a reasonable surety amount, please attach a reclamation cost estimate which addresses each of the above steps. The areas and treatments included in the reclamation treatments map should correspond with items included in the reclamation cost estimate. The reclamation costs used by the Division must be third party costs.

X. **PERMIT FEE [Mined Land Reclamation Act 40-8-7(i)]**

SEE ATTACHMENT II

The Utah Mined Land Reclamation Act of 1975 [40-8-7 (I)] provides the authority for the assessment of permitting fees. Commencing with the 1998 fiscal year (July 1 - June 30), **and revised July 1, 2002,** annual permit fees are assessed to new and existing notices of intention and annually thereafter until the project disturbances are successfully reclaimed by the Permittee / Operator and released by the Division. Large mining permits require an initial submission fee and annual fee of $500.00 for surface disturbance of 50 or less acres, or a $1,000.00 fee for surface disturbance greater than 50 acres (see page six Section III, Rule R647-4-106.3 for estimated disturbance calculation). The appropriate fee MUST accompany this application or it cannot be processed by the Division.

PLEASE NOTE: If you are expanding from a small mining operation to a large mining operation, the appropriate large mine permit fee, less the annual $150.00 small mine fee (if already paid) MUST accompany this application.

XI. SIGNATURE REQUIREMENT

I hereby certify that the foregoing is true and correct. **(Note: This form must be signed by the owner or officer of the company/corporation who is authorized to bind the company/corporation).**

Signature of Permittee / Operator/Applicant: Jim Ruquist

Name (typed or print): Jim Ruquist

Title/Position (if applicable): Chairman

Date: 11/4/07

PLEASE NOTE:

Section 40-8-13 (2) of the Mined Land Reclamation Act provides for maintenance of confidentiality concerning certain portions of this report. Please check to see that any information desired to be held confidential is so labeled and included on separate sheets or maps.

Only information relating to the location, size or nature of the deposit may be protected as confidential.

Confidential Information Enclosed: ( ) Yes ( ) No

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Attachment I

Vegetation Cover Sampling

Vegetation cover sampling determines the amount of ground that is covered by live vegetation. It is divided into four categories which equal 100 percent. They are:

Vegetation - This is the live perennial vegetation. Care should be taken to avoid sampling in disturbed areas that have a large percentage of annual or weedy vegetation, such as cheatgrass and russian thistle.

Litter - This is the dead vegetation on the ground, such as leaf and stem litter.

Rock/rock fragments - This is the rock and rock fragments on the soil surface.

Bare ground - This is the bare soil which is exposed to wind and water erosion.

Cover Sampling - The following methods are acceptable:

Ocular Estimation

This method visually estimates the percentage of ground covered in a plot by the four components. Plot size is usually a meter or yard square or a circular plot 36 inches in diameter. Ten to twenty plots should be randomly sampled in each major vegetation type.

Line Intercept

Percent ground cover is obtained by stretching a tape measure (usually 100') over the ground and then recording which of the four components is under each foot mark. At least ten of these transects should be randomly laid out and measured in each major vegetation type.

Soil Survey and Sampling Methods

If a Natural Resource Conservation Service or land management agency soil survey is not available, the Permittee / Operator shall delineate all soil types that will be disturbed by mining on a map. Each soil type shall be sampled for its characteristics and inherent properties. Representative sampling locations should have similar geologic parent material, slopes, vegetative communities and aspects. The sampling locations should be representative of the soil type and be identified on the map. Sampling shall be at a minimum of one for each soil type disturbed.

The soil map needs to be of sufficient scale so that each soil type can be accurately located on the ground.

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FORM MR-LMO
(Revised June 2007)

FOR DIVISION USE ONLY

File #: M / / _____
Date Received: _____
DOGM Lead: _____
Permit Fee $_____ Ck # _

_____

Attachment II

NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS
Permit #M0470089 / UDOGM Task #1749
TME Asphalt Ridge Mine #1

TABLE OF CONTENTS

R647.	Natural Resources; Oil, Gas and Mining; Non-Coal
R647-4.	Large Mining Operations
R647-4-101.	Filing Requirements and Review Procedures
R647-4-102.	Duration of the Notice of Intention
R647-4-103.	Notice of Intention to Commence Large Mining Operations
R647-4-104.	Operator(s), Surface and Mineral Owner(s)
R647-4-105.	Maps, Drawings and Photographs
R647-4-106.	Operation Plan
R647-4-107.	Operation Practices
R647-4-108.	Hole Plugging Requirements
R647-4-109.	Impact Assessment
R647-4-110.	Reclamation Plan
R647-4-112.	Variance

List of Drawings

Drawing 1	Base
Drawing 1(A)	Land Ownership / Lease
Drawing 2	Surface Facilities
Drawing 2(A)	Overall Facilities Grading
Drawing 2(B)	Process Facilities Cross-Sections
Drawing 2(C)	Pit Grading Plan - 2.5 Year Pit
Drawing 2(D)	Pit Grading Plan - 5.0 Year Pit
Drawing 2(E)	Pit Grading Plan - 10 Year Pit
Drawing 2(F)	Pit Grading Plan - 2.5 Year Bond Area
Drawing 2(G)	Pit Grading Plan - 5.0 Year Bond Area
Drawing 2(H)	Pit Grading Plan - 10 Year Bond Area
Drawing 3	Reclamation Treatments
Drawing 3(A)	Surface Soil Recovery Areas

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List of Figures

Figure 1	TME Organizational Chart
Figure 2	TME Asphalt Ridge LLC Organization Chart
Figure 3	Production Module Flowsheet – Typical
Figure 4A	Core Hole Locations
Figure 4B	Geology Formation Dip

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Figure 4C Cross-section A-A'
Figure 4D Cross-section B-B'
Figure 4E Cross-section C-C'
Figure 5 Generalized Geologic Cross-Section
Figure 5A Digital Geologic Map of Utah – Utah Geological Survey 2000
Figure 5B Digital Geologic Map of Utah – Utah Geological Survey 2000 – KEY
Figure 6 Generalized Water Balance

Tables

Table 1 Mined & Processed Materials
Table 2 Structures & Facilities
Table 3 Deleterious Materials Analysis
Table 4 Perennial Stream Water Quality
Table 5 Site Acreage Characterization
Table 6 Initial Process Water Pond Details

Appendices

Appendix 1 Phase 1 Environmental Site Assessment
Simon – Bymaster Inc., January 20, 2006
Appendix 2 PSOMAS Hydrology Study, Rev. January 2008
Appendix 3 URS Ecological Baseline Report, Rev. January 2008
Appendix 4 Drill Data (Arizona Fuels and SOHIO)
Appendix 5 Surety Calculations (Reserved)
Appendix 6 Agency Wildlife Coordination
Appendix 7 UDEQ-Division Water Quality
Appendix 8 UDNR-Division Water Rights
Appendix 9 UDNR-Division Dam Safety
Appendix 10 SITLA
Appendix 11 UDEQ-DS&HW
Appendix 12 UDOGM Reclamation Guidelines
Appendix 13 UDOGM Title 40-8-1 & R647

References

Reference 1 Fifield, J.S.. 2001. Designing for Effective Sediment and Erosion Control on Construction Sites
Reference 2 Fifield, J.S.. 2002. Field Manual on Sediment and Erosion Control Best Management Practices for Contractors and Inspectors

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R647. Natural Resources; Oil, Gas and Mining; Non-Coal

R647-4. Large Mining Operations

R647-4-101. Filing Requirements and Review Procedures

R647-4-102. Duration of the Notice of Intention

R647-4-103. Notice of Intention to Commence Large Mining Operations
On behalf of TME Asphalt Ridge, LLC, Ames Construction, Inc. submitted a formal response to the Division's July 26, 2007 Second Review for Permit # M0470089 / UDOGM Task #1749 / TME Asphalt Ridge Mine #1. UDOGM responded January 11, 2008 with their Third Review of Notice of Intention to Commence Large Mining Operations, TME Asphalt Ridge, TME Asphalt Ridge Mine, M0470089, Task 2102, Uintah County, Utah. UDOGM responded March 21, 2008 with their Fourth Review of Notice of Intention to Commence Large Mining Operations, TME Asphalt Ridge. Ames Construction submitted a formal response to the Division's March 21, 2008 comments as Revision 5 and April 30, 2008 comments as Revision 6 on April 15, 2008 and May 7, 2008 respectively. UDOGM's formal Sixth review correspondence was submitted to TME Asphalt Ridge, LLC (via mail)/Ames (via-email) June 12, 2008. This is the seventh (7) revision to date.

R647-4-104. Operator(s), Surface and Mineral Owner(s)
SEE FORM MR-LMO (above)

R647-4-105. Maps, Drawings and Photographs
Topographic base map(s) are submitted with this notice of intention at appropriate scale.

1. The following information is included on the map(s):

1.11. See any/all of the following maps(s) or drawing(s) for property boundaries of surface ownership of all lands which are to be affected by the mining operations:

Drawing 1	Base
Drawing 1(A)	Land Ownership / Lease
Drawing 2	Surface Facilities

1.12. See any/all of the following maps(s) or drawing(s) for perennial streams, springs and other bodies of water, roads, buildings, landing strips, electrical transmission lines, water wells, oil and gas pipelines, existing wells, boreholes, or other existing surface or subsurface facilities within 500 feet of the proposed mining operations:

Drawing 1	Base
Drawing 1(A)	Land Ownership / Lease
Drawing 2	Surface Facilities
Drawing 2(A)	Overall Facilities Grading

1.13. See any/all of the following maps(s) or drawing(s) for the proposed route of access to the mining operations from nearest publicly maintained highway. The map scale will be appropriate to show access:

Drawing 1	Base
Drawing 1(A)	Land Ownership / Lease
Drawing 2	Surface Facilities
Drawing 2(A)	Overall Facilities Grading – Operations

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1.14. See any/all of the following maps(s) or drawing(s) for known areas which have been previously impacted by mining or exploration activities within the proposed disturbed area:

Drawing 1	Base
Drawing 1(A)	Land Ownership / Lease
Drawing 2	Surface Facilities
Drawing 3(A)	Surface Soil Recovery Areas

2. Surface facilities map(s) and/or drawing(s) are provided at appropriate scales. The following information is provided on the surface facilities map(s):

2.11. See any/all of the following maps(s) or drawing(s) for proposed surface facilities, including but not limited to buildings, stationary mining/processing equipment, roads, utilities, power lines, proposed drainage control structures, and, the location of topsoil storage areas, tailings or processed waste facilities, disposal areas for overburden, solid and liquid wastes and wastewater discharge treatment and containment facilities:

Drawing 1	Base
Drawing 1(A)	Land Ownership / Lease
Drawing 2	Surface Facilities
Drawing 2(A)	Overall Facilities Grading – Operations
Drawing 2(B)	Process Facilities Cross-Sections

2.12. See any/all of the following maps(s) or drawing(s) for a border clearly outlining the acreage proposed to be disturbed by mining operations:

Drawing 1	Base
Drawing 1(A)	Land Ownership / Lease
Drawing 2	Surface Facilities
Drawing 2(A)	Overall Facilities Grading – Operations
Drawing 2(B)	Process Facilities Cross-Sections
Drawing 2(C)	Pit Grading Plan – 2.5 Year Pit
Drawing 2(D)	Pit Grading Plan – 5.0 Year Pit
Drawing 2(E)	Pit Grading Plan – 10 Year Pit
Drawing 3	Reclamation Treatments
Drawing 3(A)	Surface Soil Recovery Areas

3. Maps, drawings or cross sections required under this section are provided at appropriate scales.

3.11. See any/all of the following maps(s), drawing(s), or cross-section(s) for re-graded slopes to be left at steeper than 2h:1v:
N/A

3.12. See any/all of the following maps(s), drawing(s), or cross-section(s) for plans, profiles and cross sections of roads, pads or other earthen structures to be left as part of the post-mining land use:

Drawing 3	Reclamation Treatments

3.13. See any/all of the following maps(s), drawing(s), or cross-section(s) for water impounding structures with embankments greater than 20 feet in height from the upstream toe of the embankment or greater than 20 acre feet in storage capacity:
N/A

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3.14. See any/all of the following maps(s), drawing(s), or cross-section(s) for maps identifying surface areas which will be disturbed by the operator but will not be reclaimed, such as solid rock slopes, cuts, roads, or sites of buildings or surface facilities to be left as part of the post-mining land use:

Drawing 2(E)	Pit Grading Plan – 10 Year Pit
Drawing 3	Reclamation Treatments

3.15. See any/all of the following drawing(s) or appendices for sediment ponds, diversion channels, culvert size and locations, and other hydrologic designs and features to be incorporated into the mining and reclamation plan:

Drawing 3	Reclamation Treatments Map
Appendix 2	PSOMAS Hydrology Report

3.16. See any/all of the following drawing(s) or appendices for baseline information maps and drawings including soils, vegetation, watershed(s), geologic formations and structure, contour and other such maps which may be required for determination of existing conditions, operations, reclamation and post-mining land use:

Drawing 1	Base
Drawing 1(A)	Land Ownership / Lease
Drawing 2	Surface Facilities
Drawing 2(A)	Overall Facilities Grading – Operations
Drawing 2(B)	Process Facilities Cross-Sections
Drawing 2(C)	Pit Grading Plan – 2.5 Year Pit
Drawing 2(D)	Pit Grading Plan – 5.0 Year Pit
Drawing 2(E)	Pit Grading Plan – 10 Year Pit
Drawing 3	Reclamation Treatments
Drawing 3(A)	Surface Soil Recovery Areas
Appendix 2	PSOMAS Hydrology Report
Appendix 3	URS Baseline Report

3.17. See any/all of the following drawing(s) for reclamation activities and treatment map to identify the location and the extent of the reclamation work to be accomplished by the operator upon cessation of mining operations. These drawing shall be utilized to determine adequate bonding and reclamation practices for the site:

Drawing 3	Reclamation Treatments
Drawing 2(F)	Pit Grading Plan - 2.5 Year Bond Area
Drawing 2(G)	Pit Grading Plan - 5.0 Year Bond Area
Drawing 2(H)	Pit Grading Plan - 10 Year Bond Area

3.18. No other maps, plans, or cross sections are anticipated.

4. Photographs (prints) of the area sufficient to show existing vegetation and surface are found in Appendix 3. These photographs should show the general appearance and condition of the land to be affected and are clearly marked as to the location, orientation and the date that the pictures were taken.

5. Copies of underground and surface mine development maps are not applicable to this NOI.

R647-4-106. Operation Plan.

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TME is providing hereafter narrative descriptions for the proposed TME-AR Mine #1 operations in Uintah County, Utah. References to drawings, maps, figures and appendices are incorporated.

1. The mineral to be mined is bitumen and oil sand. Exposed areas within the proposed mining site consist of the Asphalt Ridge Sandstone and the overlaying Rim Rock Sandstone (both of the Mesaverde Group (Cretaceous)), and the Duchesne River Formation (Eocene-Oligocene).

2. All Cretaceous deposits are reported to be of a marine origin. At Asphalt Ridge the Duchesne River Formation, containing inter-bedded fluvial sandstones with associated shale's and conglomerates. Most of the oil sands occur in the Duchesne River Formation above the unconformity. The overburden will be in the form of typical conglomerates with both fines and coarse material.

   Normal faulting also complicates the area with the Mesaverde against the Green River.The Asphalt Ridge Sandstone is distinct in that it contains 90% quartz, 7% chert, 2 % orthoclase and plagioclase feldspars, and approximately 1% associated minerals such as tourmaline, zircon, magnetite and garnet. This sandstone is finer grained than the Rim Rock Sandstone with one sixteenth to one quarter millimeter size fractions predominating. Calcite is the principal cementing material and commonly fills the pore spaces completely. The quartz is sub-angular to sub-rounded and shows good to excellent sorting. A generalized geologic cross-section of the Asphalt Ridge area can be found at ***Figure 5***.

3. Type of operations to be conducted, including the mining/processing methods to be used on-site, and the identification of any deleterious or acid forming materials present or to be left on the site as a result of mining or mineral processing.

   The proposed TME Asphalt Ridge Mine #1 (TME AR Mine #1) will be an open pit mining operation and associated processing facilities resulting from the combination and expansion of the existing TME Asphalt Ridge LLC Cameron #1 Project (Small Operations Permit #SO-470036) and the TME AR Lecy Mine (Small Operations Permit #S0-470088).

   Located in Uintah County, the parcels upon which the proposed large mining operation and surrounding areas are situated are zoned MG-1, Mining and Grazing, by the Uintah County Planning & Zoning Department (Reference 1). The parcels are located southwest, south, and southeast of Vernal, Utah along Asphalt Ridge, which trends northwest-southeast. Asphalt Ridge ranges in elevation from approximately 4,871' (southeast part of ridge) to approximately 6,500' (northwest part of ridge) above mean sea level (Appendix 1).

   The term topsoil will be replaced by the term surface soil for purposes of this NOI. Surface soils for re-vegetation will be removed to a nominal depth of 12 inches from undisturbed areas within the proposed permit area and stockpiled (see ***Drawing 3A***). Surface soil stockpiles are anticipated to be approximately 40-45 feet high. Surface soil will be removed by front-end loaders, dozers, scrapers and haulage trucks, and stockpiled, shaped and seeded to prevent erosion and ensure viability. All of the material designated as surface soil will be utilized in reclamation. Previously stockpiled and reclaimed surface soils will be relocated to the new surface soil stockpile areas for management with newly developed surface soils.

   Overburden and ore will be drilled, shot, and excavated by track or rubber tired excavators / dozers. Overburden depth is a nominal 30 foot throughout the proposed mining area with underlying ore to be mined at a nominal depth of 100 feet resulting in a total nominal pit depth throughout the mining area of 130 feet below ground level. During the initial 2.5 years of the large mining operation, overburden will be hauled run-of-mine to the overburden disposal area. During subsequent years 2.5 through 10, overburden exposed during the

course of mining will be direct-hauled to previously mined areas of the pit (initiating in the southeast quadrant) and placed as concurrent pit backfill. Over the life off the mining operations, overburden is anticipated to be co-disposed with un-sold silica sands either in the overburden disposal area or in the pit during concurrent pit backfilling. Please refer to ***Drawing 2(C)***, ***Drawing 2(D),*** and ***Drawing 2(E)*** for typical mine grading plan details pertaining to anticipated pit benching and backfilling.

The overburden disposal area will be managed with run-on and run-off controls (*see* ***Appendix 2***). In addition, the applicant commits to complete reclamation of the overburden disposal area concurrently to the mining during years 2.5 through 10 pursuant to R647-4-110. Reclamation Plan and the UDOGM Reclamation Guidelines (see ***Appendix 12***).

Run-of mine ore (minus 2 feet, typical) will be hauled via 50-100 ton haulage truck to the processing ore stockpile. Stockpiled ore will, through screening to achieve autogenous grinding action (where the predominant grinding mechanism is attrition) be reduced to a nominal 1-inch size fraction for feed into the process plant.

Run-of-mine ore is also a saleable product in and of itself. It is anticipated that the ore stockpile will also serve as a loading stockpile for the sale of native asphaltic materials. Ore not sold as native asphalt will be processed.

The anticipated mining equipment and support infrastructure list for the TME AR Mine #1 includes but is not limited to:

- Bin, ANFO
- Dozer(s)
- Drill(s)
- Excavator, Track
- Explosives, truck
- Grader
- Light plant(s)
- Loader(s)
- Magazine, explosive boosters
- Magazine, explosives caps
- Truck, fuel
- Truck(s), haulage @ 50-100tons each
- Truck, service
- Truck, water
- Vehicle(s), light duty fleet

Please refer also to ***Table 2*** for additional details on mining infrastructure.

At maximum production, it is anticipated that the mining operations will require 2-10 hour shifts daily on an annual basis with a potential for weather-dictated seasonal shut-downs.

Figure 3 Production Module Flowsheet – Typical depicts the standard configuration for all modules proposed for the operation. Each module constructed over time will utilize this same configuration but the component sizes, displacements, and balances will change. Initial Module 1 will be a scale-up of the existing pilot plant and is anticipated to achieve a process rate of 100tph. Modules 2 through 4 will build on the demonstrated success of Module 1 and achieve process rates from 200tph to 400tph.

Processing of the native asphaltic material at the proposed operation involves the mechanical

beneficiation of the one-inch minus ore to release the stored bitumen. (***see Figure 3***) No heat and or chemical treatment of the ore to release the bitumen is proposed. At maximum production, it is anticipated that the processing operations will require 2-10 hour shifts daily on an annual basis with a potential for weather-dictated seasonal shut-downs.

Products from the processing of the native tar sands / asphaltic materials include the primary product bitumen (naturally occurring substances of dark to black color consisting almost entirely of carbon and hydrogen with very little oxygen, nitrogen, and sulfur), and silica sand as a secondary product. Both primary and secondary products are anticipated to be stored onsite awaiting sale and offsite transportation.

Bitumen produced by the modules will be transported via pipeline, after mixing with a small quantity of petroleum distillate (to thin the oil to allow pumping), to tanks at the process storage area from which truck transport to offsite buyers will be completed.

Silica sand produced will be conveyed (or transported via loader and truck) to the sand load-out area. Quantities of silica sand produced are indicated in ***Table 1***. Silica sand is intended to be sold as a secondary product. Silica sand not sold during years 0 – 2.5 will be transported via truck to the overburden disposal area for co-disposal with overburden. Silica sand not sold during years 2.5 – 10 will be transported via truck for co-disposal with overburden and use as concurrent pit backfilling.

Residual process water will be associated with the silica sand as it leaves the process module. This water will be recovered and pumped/piped to the process water pond for recycle.

Most all processing facilities, tanks, buildings, sheds, and associated equipment will be on skids. The structure housing the process modules is anticipated to be a clear-span stressed skin. No excavated foundations are anticipated with any facilities located on surface slabs.

The anticipated onsite facilities will consist of, but not be limited to:

- Conveyors (ore, process)
- Fuel storage area
- Columns, gravity separation
- Cyclones
- Roads – haulage
- Roads, access
- Structure, maintenance facility
- Structures, miscellaneous support
- Storage area , oil / bitumen
- Storage area, sand load-out
- Modules, oil sand processing
- Screen, ore
- Pond, process water
- Transformer yard
- Tank, various
- Sewage, vault & pump

Please refer also to ***Table 2*** for additional details on plant and process facilities infrastructure.

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The process water pond will be lined with a native asphalt material compacted to a nominal thickness of 6" to minimize infiltration loss. Sediments that settle in the pond will be removed

from the pond via pumping at 2 year intervals to maintain pond capacity. Recovered sediments will be processed through the sand cleaning unit.

Process and non-potable water will be supplied from the Green River and either pumped or trucked to the processing facilities. ***Appendix 8*** provides information on the agreement between the Uintah Water Conservancy District, the water rights holder, and TME to ensure the adequacy of the water supply and conveyance for the proposed initial and future operations.

A diversion point located at S2125' E2150' from NW corner S7, T6S, R22E SLBM exists and allows for a pumping station and pipeline. This approximate 1.5 mile long line is currently inactive and requires refurbishment to use it for the proposed mining operations. In the interim, water will be trucked to the site. A right-of-way currently exists from the Green River to the small mining operations which include the inactive pipeline and power line.

Bottled water will be utilized for potable water at the proposed large mining operations.

Domestic sewage will be managed via a buried holding vault & pump system applied for and approved by the Utah Division of Solid & Hazardous Waste. Designs are to be completed with finalization of the plant facilities and approval obtained prior to start-up. Portable toilets will be utilized during construction and/or completion of the office / plant structures that will utilize the domestic sewage system. Septic tanks or portable toilets are not anticipated to be used for the long-term operation of the mining operations.

Deleterious materials are not anticipated as a result of mining ore. The mining and processing of the native asphaltic materials will expose these materials to air, water, weather and microbiological processes. In support of the applicants Groundwater Quality Discharge permit, the applicant conducted sampling and analyses of materials that represent ore and the material to be used for the process pond liner. These data are presented in ***Table 3***.

The exposed asphaltic material is not a deleterious materials and has not demonstrated any condition that would likely produce chemical or physical conditions in the soils or water that are detrimental. These materials are not understood to be acid forming materials. In addition, all areas where ore mining and processing have occurred are scheduled for reclamation and re-vegetation.

The proposed mining operation is located on both impacted and non-impacted surface soils. ***Table 5*** depicts the component breakdown of the existing acreage proposed for the mining operation.

Concurrent reclamation is planned. During years 0 – 2.5, overburden will be removed and deposited in the overburden disposal area. As mining progresses during years 2.5 – 10, overburden will be removed and direct hauled & placed in the 0 – 2.5 year pit excavation as concurrent backfilling.

Concurrent reclamation will proceed when concurrent backfilling is sufficiently advanced. Reclamation methods will follow those described in R647-4-110 Reclamation Plan. Wherever practical during the concurrent reclamation phase (years 2.5-10) surface soils will be salvaged and live hauled and spread over graded overburden. Please note surface soil salvage will not be completed too far in advance of active mining to minimize erosion and exposure of the overburden to precipitation and stormwater runoff.

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Silica sand not sold as a secondary product will be utilized as pit backfill material along with overburden and inter-burden.

Table 1 depicts the anticipated materials balance for the large mining operation.

4. The material to be processed is oil sand. See R647-4-106.1. The principal product produced is bitumen (oil). Silica sand (approximately 20-60 mesh industrial silica sand) will also be produced as a secondary product. In addition, run-of-mine asphalt material may be sold as an additional secondary product. Additional information on material size can be found in ***Appendix 4***.

5. A description of existing soils, according to the Soil Survey of Uintah Area, Utah– Parts of Daggett, Grand, and Uintah Counties (2005), at the mine area indicates it is underlain by soils in the following series (***Appendix 1***):

   - Clapper gravelly loam
   - Hanksville silty clay loam
   - Bandland-Rock outcrop complex
   - Gerst-Rock outcrop complex
   - Abaracon loam
   - Honlu very cobbly sand loam
   - Kilroy loam
   - Nakoy loamy fine sand
   - Nolava loam
   - Reepo-Rock outcrop complex
   - Riemod loam
   - Solirec fine sandy loam
   - Tipperary loamy fine sand
   - Turzo loam
   - Uffens loam
   - Utaline very gravelly sandy loam
   - Firstgap loam
   - Greybull clay loam

   A soil survey of the proposed large mining operation site was Initiated by TME and completed in September 2007 by URS (see ***Table 4, Appendix 3***).

   Soil samples were also obtained to provide additional information at locations shown in the URS report (see ***Table 5 of Appendix 3***).

   Approximately 133 acres within the proposed permit boundary are anticipated to be suitable for surface soils recovery for reclamation to a nominal depth of 12 inches as depicted on ***Drawing 3(A)***. All recovered surface soil is anticipated to be suitable for re-vegetation. Salvaged surface soil will be stockpiled on approximately 3.5 acres and at an anticipated depth of 40-45 feet.

   Typical surface soils are characterized below:

   - Texture (field determination) — Sandy clay & loam, some gravel
   - pH (field determination) — 7-8
   - Depth of surface soil for salvage and stockpiling — 12" nominal[2]

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- Area from which surface soil may be available for salvage 134 acres
- Volume of surface soil to be stockpiled 215 CY / 409 T

[2]*TME anticipated a nominal depth of surface soil recovery from surface soil recovery areas within the proposed disturbance boundary of 12". It should be noted however that previous UDOGM discussions have recognized that surface soils salvageable for re-vegetation may be non-existent to a mere 2 inches even within designated topsoil recovery areas.*

Sub-soils in the traditional sense are not known to exist at the site. Earthen materials underlying the surface soils and above ore are to be considered overburden and consist primarily of shale and siltstone (see ***Appendix 5***). Overburden, inter-burden, and sand mixtures will be evaluated by the applicant as a suitable reclamation soil during the initial 2.5 years of mining.

Problem soils are not believed to exist. In comparing the soil laboratory results with the Soil Suitability Table 3.1 found in the Utah Division of Oil and Gas, Practical Guide to Reclamation in Utah, the soil properties, including conductivity, pH, and SAR, range from good to difficult. Texture results and available water holding capacity were not directly comparable with the suitability table. The results indicate that the samples were mostly sandy soils, which could be interpreted as difficult soils according to the suitability table. All conductivity results were within the "good" range. The pH results at SS1, SS2 and SS2 at 6 inches were within the "good" range. SS1 at 6 inches was within the "difficult" range. SAR for sample location SS1 at 6 inches, SS2, and SS2 at 6 inches was within the "fair" range while SS1 was within the "difficult" range. Based on the ratio of the Acid Generation Potential (AGP) with the Acid Neutralization Potential (ANP) for all the soil samples, it appears that these soils are not acid producing. At the pH value reported for all samples, all soils would be calcareous and would tend to neutralize any acid sources added.

6. A surface water hydrology report was prepared by PSOMAS (see ***Appendix 2***) to assist in design and installation of surface water run-on and run-off. Features addressed include diversion channels, drainage controls, and onsite stormwater retention.

   The applicant plans to implement the POSMAS design recommendations through construction and installation of all primary surface water run-on controls and diversion structures at the onset of large mining operations. Such features will remain for the life of the proposed 10-year mining operation. Secondary features will be constructed as the mining and plant development proceeds.

   Details on surface runoff diversion around the surface soil stockpile can be found at ***Appendix 2***. Stockpiled surface soil will be accessed for concurrent reclamation once this practice is plausible after year 2.5.

   A description of the plan protecting and re-depositing surface soils includes:

   - All salvaged surface soil will be placed in surface soil stockpile area
   - Surface soil will typically be salvaged via dozer and/or loader with the immediate transport to the stockpile location via truck and loader operation
   - The selected location for the surface soil stockpile should allow for minimal re-handling during the life of the mining operation
   - The surface soil stockpile will be shaped to a 3h:1v or less slope
   - Vehicle traffic will not be allowed and the stockpile will be signed to dissuade access
   - Removal of any deleterious materials such as oversize woody plant materials, metals, construction debris, etc. will be accomplished by selective grubbing practices and

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management oversight

- The stockpile will be left in a roughened condition and seeded with a cover crop for stabilization and erosion control. The cover crop will be the same as the reclamation seed mix.
- Evaluation of noxious weed treatment to retain suitable conditions prior to reuse will be conducted
- Best Management Practices including sedimentation barriers (basins, wattle, etc.) as appropriate will be implemented (see ***Appendix 2*** for additional information)

7. Land impacted by mining will be returned to a condition suitable for post-mining land use. Mined land reclamation will be targeted to achieve 70% of pre-mining vegetation ground cover. If this target is deemed unachievable due to a lack of suitable growth medium and/or other obstacles, an exemption will be sought under Rule R647-4-112 Variance.

   A vegetation survey of the proposed large mining operation site was initiated by TME and completed in September 2007 by URS (***Appendix 3***). Table 1 of the URS report depicting species observed by vegetation specialists conducting the field tour of the area is presented below:

   Transects were randomly chosen within the survey area which resulted in a total of 13 transects that covered a representative area of the vegetation at the site. Current disturbed areas were not included. Each transect was approximately 200 feet in length and included 25 vegetation plots within each transect. The vegetation plots were approximately one meter square. For each plot, the plant species were identified and the percent coverage, including bare ground, was estimated. For each transect, this data was analyzed to determine the diversity index, using the Simpson Diversity Index, as well as the average cover for each species.

   In general, the study area is typical of the Colorado Plateau Region with a terrain characterized by broad plateaus and deeply dissected valleys. Because this area is semi-arid, the vegetation will be sparse and, in most cases, the plant communities will be dominated by drought-tolerant species, such as *Atriplex* and *Artemisia* species. Because some of the areas have historical disturbances, some dominating species, such as *Bromus tectorum,* have been able to establish themselves when competition is lacking. A list of vegetation identified during the field work is provided below in ***Appendix 3, Table 1***. Table 1 is a list of species identified during the general field work on the site. These species may not be species that were observed during the vegetation transect surveys; as a result, they may not be included in ***Appendix 3, Table 2***.

   The total percent cover was determined for each individual species per transect by adding the percent over for each species found within each sample plot for that transect. The average percent cover was determined by taking the total percent cover for each species and dividing by the number of sample plots for each transect.

   Also, if large areas of rock were within the sample plot, they were not counted as bare ground so there is the possibility that the average coverage percentage could be less than 100%.

   Given the information described in the URS report, the reclamation requirement of 70% of existing vegetation would result in a value of 19% cover

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8. Per *Appendix 1*, groundwater in the immediate vicinity of the proposed large mining operation, no wells are apparent. Conversations with the Vernal, Utah office of the Utah Department of Natural Resources – Division of Water Rights revealed that no water wells within S31, T5S, R22E. Also, no aquifer is known to exist in the vicinity of the mining operation or known to exist within the mining ore zone depth of 130 feet (see ***Appendix 4***).

   Incidental water does exist intermittently between the overburden and the oil sands and is developed through mining activity. Fractures and fissures exist in the oil sand deposit in stratified lenses of sand, rock and clays. Any developed water will be conveyed to onsite sedimentation basins for evaporation or infiltration and not utilized for any beneficial use.

   Drill holes utilized for previous oil sand deposit discovery and condemnation were reviewed for indications of groundwater. The logs do not show the presence of groundwater being encountered in the permit area. The locations of these holes are shown in ***Drawing 1***. Detailed information on these drill holes can be found in ***Appendix 4***.

   No additional drilling for groundwater evaluation is warranted. Impacts to groundwater as a result of proposed large mining operations are considered deminimis. The Division of Water Quality has completed a through review of existing published information and data base for the area in concert with the drill logs. The Division issued TME a Permit-By-Rule for the proposed facility and modifications thereto as they will have a deminimis actual or potential effect on ground water quality as there is no defined groundwater and therefore no actual or potential effect on ground water quality.

   The head waters for the perennial stream running through the permit area are approximately 0.6 miles north of the permit boundary. The head waters are at approximately 5073 feet above mean sea level, approximately 63 feet above the ground surface elevation of the upper end of phase 1 open pit. Based on published information it appears the yield point is seepage from the Ashley/Brush hydrologic sub units of the Uintah Basin at the boundary of of the Green hydrologic sub unit. This coincides with the Uintah Boundary fault zone. The area consists of multiple interfaces of fissured or fractured sand stone bands and minor coal measures in the geologic zones.

   The intermittent stream runs on the naturally occurring exposed tar sand/asphalt and clay zone surfaces in the confined drainage channel. Observations have shown the stream is confined to the near surface narrow channel system. Past and historic open pit mining operations have been conducted within 20 linear feet of the stream bed with mining some 40 feet below the stream channel elevation. During mining no seepage of water from the stream was observed in the pit high walls. With this fact it is highly unlikely that the intermittent stream will be affected by the planned open pit mining. The surface water is constrained by the low permeable clays and oil sands. In addition the open pit moves further away from the stream channel as the pit progress to the northwest. There is also a major ridge line separating the open pit and the existing stream channel.

   TME commits to construct 3 piezometer wells for monitoring static groundwater levels or the lack thereof. They will be within the permit boundary, two down gradient of the open pit and one up gradient of the phase 1 open pit to a depth of approximately 150 feet below ground surface. The proposed location of piezometer wells are shown on ***Drawings 2C, 2D & 2E.***

9. The proposed location of the ore stockpile is shown on ***Drawing 2***. Approximately 19,000,000 tons of oil sand (ore) will be mined over the projected 10-year mine life (see ***Table 1***).

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The proposed location of the overburden disposal area is shown on ***Drawing 2.*** Overburden will be considered to include traditional overburden and inter-burden (non-ore material lying in lenses within the ore body). Quantities of material designated as overburden are anticipated to be 13,900,000 tons (see ***Table 1***).

The anticipated layout for the process facilities is primarily indicated on ***Drawing 1*** and ***Drawing 2***. The final layout is not complete at this time. The major components of the plant, process, and mine facilities anticipated at this time are identified in ***Table 2***.

10. Information regarding the amount of material (including mineral deposit, topsoil, subsoil, overburden, waste rock, or core hole material) extracted, moved or proposed to be moved is summarized in the following ***Table 1***.

R647-4-107. Operation Practices.
TME-AR Mine #1 commits to operate in a manner consistent with the intent and language of R647-4-107. During operations, should compliance with these operation practices become inappropriate, TME-AR Mine #1 shall apply for a variance to R647-4-107 under the procedures outlined in R647-4-112. Variance.

1. Information regarding TME-AR Mine #1 commits to minimize hazards to the public safety and welfare during operations. Methods anticipated to minimize hazards include but may not be limited to:

1.11 In the unlikely event such a feature is found on the property, the closing or guarding of shafts and tunnels to prevent unauthorized or accidental entry in accordance with UDOGM and/or MSHA regulations To date no such features have been identified within the proposed LMO permit boundary.

1.12. Pending issuance of a Class III landfill permit from the Utah Division of Solid & Hazardous Waste, disposal of trash, scrap metal, scrap wood, and extraneous debris will be disposed of onsite in either constructed cells within the overburden disposal area or the expended pit. In the event an onsite Class III landfill is not permitted, offsite transport and disposal will be arranged for via a third party. Waste management and disposal will be addressed in an Operations Waste Management Plan, a component of the Operations Environmental Management Plan, to be developed at the initiation of operations.

1.13. The plugging or capping of drill, core, or other exploratory holes outside of the mine perimeter and/or concurrent pit backfilling areas shall be completed as set forth in Rule R647-4-108. During operations, should compliance with these operation practices become inappropriate, TME-AR Mine #1 shall apply for a variance to R647-4-108 under the procedures outlined in R647-4-112.Variance.

1.14 TME-AR Mine #1 will post appropriate warning signs in locations where public access to operations is readily available. In addition, all required and/or appropriate impeding measures (berms, fencing, signs) will be installed where public access to operations is readily available, including signs posted at main offices and/or along the property boundaries or access points that could be considered an access or a hazard.

The applicant understands that the requirements for a dam safety permit apply specifically to small dams with embankment heights greater than vertical 10 feet, with capacities less than 20 acre feet, and in areas where downstream hazards are minimal. ***Table 6*** presents process water pond details. No permits are required from the

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Utah Department of Natural Resources Division of Dam Safety for the 6.4 acre-foot process water pond.

1.15. During the course of mining, the construction of berms, fences and/or barriers above high-walls or other excavations required pursuant to standard mining practices and/or MSHA will be installed and maintained.

2. The applicant commits to implement the recommendations and designs found in ***Appendix 2*** as well as other appropriate design and practice necessary to avoid or minimize environmental damage to natural channels to be affected by the mining operation.

The applicant commits to manage the operations to minimize erosion. Major upstream erosion control features represented in ***Appendix 2*** are scheduled to be installed at the onset of large mining operations. These structural features are designed to divert water around the operations and will avoid or minimize erosion damage. Features addressed include designs for diversion channels, channel erosion control features, and onsite stormwater retention basins. Erosion and sedimentation controls are integrated into this plan for other operation features as process areas, surface soil areas, the overburden disposal area, and associated surface facilities.

Additionally, erosion control Best Management Practices will be employed for the site-specific conditions encountered during mining of topography, soil, drainage, water quality or other characteristics.

Specifically, erosion control measures to be applied are anticipated to be designed and implemented as warranted as mining operations progress:

- Paving (with native asphaltic materials) of roadways and parking area
- Roughening and seeding (with a cover crop) of the overburden disposal area pending final seeding
- Roughening and seeding (with a cover crop) of the surface soil area
- Paving (with native asphaltic materials) of access roads and areas around the process facilities and other plant areas (sand storage area, product storage area, etc.)
- Installation of armored water bars along roadways with steeper grades(determined during operations)
- Installation of berms for run-on and run-off control at surface soils storage areas, mine pit areas, mine road shoulders, etc.
- Installation of silt fencing, wattle, berms or other diversions along the perennial stream drainage way

4. The applicant commits to continue assessment as appropriate to identify any deleterious or potentially deleterious material. Currently, no deleterious material is know to or has been demonstrated to be deleterious. In the unlikely event deleterious materials are identified during the course of mining or processing, said materials will be safely removed from the site or kept in an isolated condition such that adverse environmental effects are eliminated or controlled

5. The applicant commits to identifying and recovering all suitable surface soils. Salvaged soil shall be stored in a stable condition so as to be available for reclamation (see ***Drawing 3***).

The applicant also intends to evaluate the use of overburden or overburden/sand mixture as a surface soils replacement in the event a shortfall of surface soils impacts the ability to stabilize the reclaimed surface. The methodology will be as follows:

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- The overburden disposal area will achieve final configuration at approximately the 2.5 year period
- Test areas will then be established on portions of the overburden disposal area utilizing overburden, overburden/sand mixture, overburden/surface soil mixture, or overburden/sand/surface soil mixtures
- Test areas be roughened and seeded with the designed reclamation mix identified in ***Appendix 3***
- Test areas will not be subject to artificial watering or fertilization
- Test areas will be evaluated annually for diversity and cover
- Test area results will be transmitted to the Division for concurrence should the overburden and/or overburden/sand mixture for reclamation in lieu of or as a supplement to surface soils

6. The applicant commits to implement concurrent reclamation as areas are released from further disturbance by the mining operations management except to the extent necessary to preserve evidence of mineralization for proof of discovery. For the mining areas, this practice is anticipated to commence at/around year 2.5 and continue through completion at year 10 (see ***Drawing 2(A)***, ***Drawing 2(C)***, ***Drawing 2(D)***, and ***Drawing 2(E)***. Areas which have been disturbed but are not routinely or currently utilized shall be kept in a safe, environmentally stable condition.

R647-4-108. Hole Plugging Requirements.

Within the permit boundary, no mine production or mine exploration drill holes will be left open at the conclusion of mining and reclamation activities. In the event exploration drilling is conducted outside of the bonded permit boundary the appropriate authorizations will be sought consistent with the Rule. Exploration drilling within the permit bonded area, if necessary will be conducted ahead of mining operations. The applicant anticipates that all mining production and mine exploration drill holes in the anticipated drilling range of 0-200 feet will be dry and non-artesian and thus will be only temporarily plugged with a surface cap to permit the applicant to re-enter the hole for the duration of operations. ***Appendix 4***, coupled with existing small mining operations field experience, documents this anticipated condition. As previously stated, no groundwater exists in the defined mining area to depth demonstrating that adequate protection to the groundwater resources and long term stability of the land is ensured.

In the unlikely event the requirements of this Part are necessary as a result of unanticipated field conditions resulting from mine production drilling or mine exploration drilling the applicant commits to comply with the applicable components of R647-4-108.

Reports of temporary hole plugging activities will be prepared and submitted. Maps depicting locations of holes temporary plugged during any calendar year and those remaining to be closed will be included in the Annual Report of Operations.

1. Surface plugging of drill holes is not anticipated.

1.11. Setting a nonmetallic perma-plug is not anticipated.

1.12. No tilled farmland exists on the proposed mining operations.

2. Drill holes that encounter water, oil, gas or other potential migratory substances and are 2-1/2 inches or greater in surface diameter are not anticipated.

2.11. Artesian flow (i.e., water flowing to the surface from the hole) is not anticipated.

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2.12. Holes that encounter significant amounts of non-artesian water are not anticipated.

2.12.111 N/A

2.12.112 N/A

R647-4-109. Impact Assessment.

The applicant provides the following general narrative description of potential surface and/or subsurface impacts.

1. The applicant projects no significant impacts to surface and groundwater systems. For surface water systems, the area proposed for the large mining operation includes both historically disturbed and previously undisturbed surface drainages which have been integrated into a comprehensive drainage management plan (see ***Appendix 2***). This plan details surface water run-on and run-off measures designed to divert water around the operations to avoid or minimize environmental damage (see also ***Drawing 2***). Features detailed include diversion channels and onsite stormwater retention. Erosion and sedimentation controls are integrated into this plan.

No disturbance or adverse impact is anticipated to the perennial water course that exists within the proposed permit boundary (see ***Drawing 1, et al***). Water quality data obtained from the perennial stream is presented in ***Table 4*** and indicates natural impairment. Installation of silt fencing, wattle, berms or other diversions along the perennial stream will be completed as appropriate pursuant to conditions of the operations stormwater permit. Vegetation existing within the perennial stream (see ***Appendix 3***) will be monitored periodically for changes from baseline species diversity and distribution presented in ***Appendix 3***. Water quality will be monitored annually for changes from baseline.

Re-establishment of traditional surface water conveyance paths through the mining area are not anticipated at the completion of mining. Installed water diversion structural features will remain as post-mining features (see ***Drawing 3***). Diverted flows will be re-united with pre-existing surface drainage systems approximately 1.5 miles downstream of the mine permit boundary but prior to the intersection with the Green River.

An onsite precipitation gauge will be installed and data recorded daily.

No discharge of process waters is proposed. A UPDES permit for process water discharge will not be obtained. A stormwater discharge permit has been applied for with the Utah Department of Environmental Quality Division of Water Quality and can be found in ***Appendix 7***. Management of stormwater will be guided by a site-specific Stormwater Pollution Prevention Plan, a dynamic document designed to adapt to effective stormwater Best Management Practices to changing mine conditions.

No impacts are projected to groundwater systems. As stated earlier in this NOI, groundwater does not exist within the mining property. The Utah Department of Environmental Quality Division of Water Quality has issued a Permit By Rule for the facility.

Documentation with the Utah Department of Environmental Quality Division of Water Quality pertaining to groundwater permitting can be found in ***Appendix 7*** (as applicable).

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2. The applicant projects no significant impacts to state and federal threatened and endangered species or their critical habitats. The present wildlife will be temporarily disturbed and displaced during the mining operation. URS was retained to complete baseline ecological surveys of the project area, including wildlife analysis. The URS report can be found at ***Appendix 3***.

No threatened or endangered plants or animals were identified at the Asphalt Ridge #1 Mine Site. The Uinta Basin Hookless Cactus, a threatened species does have potential to live on site. The White River beardtongue, a federal candidate species has only been observed at 14 sites in Duchesne and Uintah Counties, Utah. No species were observed during the field survey.

Wildlife observed during the URS site visit are presented on ***Table 6, Appendix 3***.

Impacts to wildlife habitat, big game species, waterfowl, and/or Threatened & Endangered Species are anticipated to be deminimis. Process components, such as the process water pond, fuel storage area, or other facilities that may pose a hazard to wildlife will be fenced. Water withdrawal from the Green River affects four species of endangered fish, but water for mine operations will be provided by the Uintah Water Conservation District "UWCD". The UWCD, not TME, will be making the water withdrawal and will be responsible for mitigation measures to be taken in corporation with the Fish and Wildlife Service. UWCD holds the water rights issued by the Utah State Engineer. The Green River intake structure will be designed to protect aquatic species and approved by the Utah Division of Water Resources. Re-vegetation species will be selected to afford benefit to areas wildlife as well as satisfy the applicable reclamation requirements.

Letters of coordination with the Utah Division of Wildlife Resources and the US Fish & Wildlife Service are presented in ***Appendix 6***.

3. The applicant projects no significant impacts of the mining operation on existing soil resources in the vicinity of the mining operation. Impacts will be realized on existing soil and plant resources for areas scheduled for surface soil salvage. URS was retained to complete baseline ecological surveys of the project area. The URS report can be found as ***Appendix 3***.

Impacts to soil and plant resources (not scheduled to be salvaged for future reclamation) are anticipated to be deminimis. Reclamation will achieve suitable soil cover and plant profiles so as to be consistent with surrounding undisturbed areas as well as satisfy the applicable reclamation requirements.

4. The applicant projects no significant impacts of mining operations on slope stability, erosion control, air quality, and public health and safety.

Erosion Control

No adverse impacts are projected for mining operations on surface drainage erosion control. Implementation of the surface drainage and erosion control measures identified in PSOMAS hydrology report (see ***Appendix 2***) as well as the Stormwater Pollution Prevention Plan (SWPPP) to be developed prior to initiation of large mining operations will minimize erosion.

Slope Stability

A review of the geologic information for the mining area available to the applicant indicates no areas of instability that would be problematic from a slope stability perspective. A conservative overall mining slope angle of 63% (or approximate angle of repose) will be used. The steepest mine haulage will be 10% grade. Haulage roads will be constructed with a crowned center, a nominal 50 foot width for running surfaces, and fitted with a safety berm & runoff conveyances. Pit high-walls and process plant pad cuts will stand at the angle of repose for only relatively short

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periods of time before backfilling and shaping to achieve a 3h:1v slope, lessoning further the potential for slope stability problems in these areas. In addition, the pit will be dry avoiding water-enhanced stability issues.

Air Quality

Impacts on air quality are deminimis for mining operations. Air quality will be mitigated and managed utilizing a Fugitive Dust Control Plan (FDCP) developed just prior to large mining operation startup. This Plan will ensure compliance with Utah Division of Air Quality requirements for fugitive dust. Principally this plan will provide best management practices, mechanisms and procedures for minimizing dust from mining, roadways, and stockpiles. Best management practices will include but are not limited to: speed control, watering and paving. The natural surface soils contain a low to moderate level of oil/asphalt and the mined materials contain a heavy oil content, therefore traffic ways and stock piles will be naturally bond by the oil content.

Point source emissions from portable propane-fired oil heating units are anticipated for the process facilities on an intermittent, seasonal basis. The applicant has submitted documentation to the Division of Air Quality (DAQ) addressing its intended utilization of the oil heaters which may or may not qualify the site for a Small Source Exemption Permit. Consequently, a comprehensive analysis to determine permitting is underway. Supplemental plant space heat is not anticipated to require air permitting. The oil recovery process is a non-thermal process which will not require a point source air quality discharge permit.

Point source crushing, screening plants and conveyors will be permitted through the Utah Division Of Air Quality. Again, because of the nature of the ore being oil saturated fugitive dust generated from processing is unlikely.

Public Health and Safety

No adverse impacts on public health and safety are projected for the mining operations. Public safety will be managed with fencing, berms and signage. Visitors and guests to the site are required to complete MSHA Site Orientation Training prior to any onsite activity other than driving to designated parking areas at the plant office area. Extensive onsite visits and/or construction work requires additional levels of MSHA training. These measures, coupled with the relative remoteness of the site and limited public utilization of the surrounding areas are believed to limit the likelihood for impacts to public health and safety.

5. The applicant does not anticipate any significant and substantial actions, outside of the plans, procedures, and compliance provisions referenced elsewhere in this NOI, to be implemented to mitigate any of the above referenced environmental issues or deminimis associated impacts.

R647-4-110. Reclamation Plan

A narrative description of the plan to complete this reclamation is found below.

1. The current land use for the area consists of mining and contiguous wildlife habitat. The applicant has designed the reclamation plan for this large mining operation to be conducive to a post-mining land use as wildlife habitat. This designation will accommodate the unique relationship of the onsite perennial stream as a critical habitat feature.

It is noted that the designated post-mining land use is based on the mining plan submitted and nothing in this plan shall preclude re-mining of the area in the future.

2. The following narrative descriptions depict the general manner and anticipated extent to which roads, high-walls, slopes, impoundments, drainages, pits and ponds, piles, shafts and adits, drill

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holes, and similar structures will be reclaimed:

Pit reclamation

- The pit excavation will be concurrently backfilled during years 2.5 through 10, contoured, and left in a free-draining condition (see highwall reclamation below)
- The drainage course left within the pit basin shall include check dams, curves and stilling pools to control flow velocities and enhance infiltration. The sandy soils will have a high infiltration rate whereby resulting in little runoff except during intense rain events
- Following reclamation, the slopes will have surface soil placement (or suitable material placement) to a nominal depth of 6 inches, roughening, pitting, and re-seeding

Road reclamation

- The applicant commits to road reclamation both during and after operations, including the closure phase
- Roads will be reclaimed through re-grading and slope reduction
- Reclaimed road surfaces will be ripped to a depth of 18-24 inches and readied for surface soil placement (or suitable alternative) to a nominal depth of 6 inches, roughening, pitting, and re-seeding
- Road cut and fill areas will be sloped to achieve an overall slope angle of 3:1 (3h:1v) or less at closure
- Water bars, berms, or other erosion control measures will be designed pursuant to the following references:
  - *Designing for Effective Sediment and Erosion Control on Construction Sites. Fifield, 2001*
  - *Field Manual on Sediment and Erosion Control Best Management Practices for Contractors and Inspectors, Fifield, J.S.2002*

Highwall reclamation

- Concurrent pit backfilling will achieve the contours depicted on ***Drawing 2(C), Drawing 2(D), Drawing 2(E), and Drawing 3***, anticipated to be at a slope of 3h:1v or less
- The ultimate contours will result in no pit high-walls remaining at closure

Slope reclamation

- Overburden slopes are anticipated to be left at an overall slope angle of 3h:1v or less and reclaimed during years 2.5 through 10
- Process area cut slopes and fills are anticipated to be left at an overall slope angle of 3h:1v or less and reclaimed through slope reduction or backfilling against the cut wall
- Following reclamation, the slopes will have surface soil placement (or suitable material placement) to a nominal depth of 6 inches, roughening, pitting, and re-seeding

Impoundment reclamation

- No impoundment will be present at closure

Drainages and natural drainage patterns reclamation

- Design features identified in ***Appendix 2*** (PSOMAS) will remain as permanent post-closure features and have been designed as such
- Stable internal drainage corridors for the mining and process areas will be re-established to provide controlled drainages similar to the pre-existing parameters
- Armoring of internal drainage conveyances is anticipated to be accomplished with imported well graded nominal 4" rock and/or snaked alignments with step pools to minimize excessive erosion

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- Sedimentation will be controlled via accepted construction practices *(Fifield, 2001 & 2002)*
- The perennial stream shall have nominal 2 foot re-vegetated berm barrier installed to minimize sediment from entering the stream

Ponds reclamation

- The reclamation of the approximate 6 acre foot process water pond will be accomplished by draining all excess water, backfilling with overburden or alternate approved material, compressing with earth moving equipment, shaping to conform to the slope of the bench within which it sits, placement of surface soil or approved alternate, roughening, pitting, and seeding.

Overburden disposal area reclamation

The overburden disposal area created during the initial 2.5 years of mining will be fully reclaimed during the 2.5 -10 year period prior to the completion of mining the 10-year pit. Concurrent reclamation will include shaping and grading to achieve an anticipated overall slope angle of 3h:1v, placement of drainage features such as well graded rock drainage or slope velocity break v-ditches, placement of surface soils to a nominal depth of 6 inches (or alternately direct seeding dependent upon reclamation test results), roughening of surface soil surface, pitting and reseeding.

Shafts

- Shafts will not be present.

Adits

- Adits will not be present

Drill holes reclamation

As previously stated, all production drill holes are anticipated to be dry holes and require only temporary plugging pursuant to R647-4-108 until consumed during the course of mining. No production drill holes within the permit boundary are anticipated to exist at the completion of active mining at year 10.

Exploration drill holes are not anticipated outside of the permit boundary under the scope of this NOI.

Stockpiled materials

Stockpiles of ore will be completely processed and will not exist into the post-closure phase.

Stockpiles of process-generated silica sand will either be completely sold as a secondary product or completely utilized during reclamation as pit backfill or other reclamation fill, including backfill for the process water pond.

Stockpiled surface soils will be completely utilized during reclamation and will not exist into the post-closure phase. All areas underlying previous stockpile areas will be shaped with dozers, graded and reclaimed per ***Drawing 3.*** Procedures for this reclamation include ripping previous stockpile areas to a nominal depth of 18-24 inches, placement of surface soils or approved alternate, roughening, pitting and seeding.

Leach pads

Leach pads will not be present.

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Tailing areas
Tailing areas will not be present.

3. The applicant commits to the complete removal of surface facilities at the completion of operations. Surface facilities are anticipated to include those identified on ***Table 2***. No surface facilities are to be left onsite as part of the post-mining land use, including but not limited to buildings, utilities, roads, pads, ponds, pits and surface equipment.

In general facilities removal activities, facilities will be dismantled utilizing equipment onsite during the course of operations. Specialized equipment such as cranes, transports, or other non-operational phase equipment will be utilized as necessary to complete the decommissioning and dismantling work.

A narrative description of the manner and the extent to which surface, process, and ancillary facilities will be reclaimed is as follows:

Process Facilities
Materials remaining at the time of facility dismantling will be salvaged for recycle and/or reuse to the greatest extent practicable. All tanks, stationary equipment and facilities will be removed from the site. Tanks, piping, pumps, sumps, process vessels and other equipment that contained process solutions and/or chemicals will be removed from service and treated as appropriate to decontaminate and clean them prior to transport off site for re-use or proper disposal.

Mobile equipment will be relocated or sold. When no longer needed for decommissioning and closure activities, office and other ancillary facilities will also be removed from the site.

The removal of the process and ancillary facilities is scheduled to be completed within 1 calendar year of the end of processing or approximately 2019.

Ancillary Facilities
All process reagents, chemicals, and chemical products will be inventoried and either returned, recycled or disposed of off-site. All mining explosive components will be inventoried and removed under ATF requirements.

Sub-surface structure foundations are not anticipated for this NOI. However, in the unlikely event subsurface structure foundations are necessary during the course of the operations they will, following removal of the equipment and structures, be broken and removed to at least 3 feet below ultimate ground level. Non-fuel or reagent underground piping (water, electrical, etc.) will be plugged and capped for covering and left at a minimum depth of 3 feet below final surface.

Buried or partially-buried sumps, vaults, and other features that are below grade will be removed, cleaned and the material properly disposed. No underground storage tanks are proposed. However, in the unlikely event any underground storage tanks and associated reagent or fuel piping exist at the time of closure they will be removed and closed according to State regulations.

All fuels or petroleum products (grease, oil, fluids, etc.) will be inventoried and either returned, recycled or disposed of off-site. The fuel storage tank facility will be decommissioned, dismantled, and removed in accordance with state regulations. The ground around the fuel storage tank area foundations will be inspected for evidence of any petroleum and/or chemical contamination. Any soil contamination resulting from a non-indigenous source that is discovered around the facilities will be evaluated and remediated in accordance with an approval plan administered by the Utah Division of Environmental Response & Remediation. If appropriate, the contaminated media and debris

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resulting from non-indigenous contamination associated with these activities will be disposed of off site in permitted recycling, treatment or disposal.

Communication Facilities
The applicant commits to decommission all towers or other communication infrastructure that may exist at the time of final closure.

Water Supply
The applicant commits to decommission, dismantle and reclaim all facilities associated with the operation phase water supply system including but not limited to onsite pipelines, onsite distribution pumps, etc. Process and/or plant fresh water tanks existing at the time of closure will be decommissioned and either transported offsite for re-use or dismantled for salvage or disposal.

Power Lines
The applicant commits to coordinate the de-energizing and decommissioning of all distribution power lines, transformer stations, switchgear, etc. with the local power supplier(s). All power supply and distribution features will be removed. Any required temporary power for final closure activities after these permanent features are required to be removed will be provided by mobile generators.

Landfill
The applicant commits to the proper closure of the onsite Class III landfill cells within the 10-year pit limits after disposal of all closure phase debris. Closure will comply with both UDOGM and UDS&HW guidelines including the placement and compression of cover fill material with mine equipment such as dozers, graders, haulage trucks, and water trucks to a minimum depth of three feet over any cell. Grading over closed cells will be integrated with the overall grading plan for the pit phases.

4. The applicant presents that no deleterious or acid-forming materials have been identified and no deleterious or acid-forming materials are anticipated to remain onsite after closure of the large mining operation is complete.

5. The applicant commits to a planting program as best calculated to revegetate the disturbed area. All proposed broadcast seeding will be coordinated to be completed as soon as practicable after preparation of the seedbed. Current reclamation in planned to occur throughout the mining and operation life. The final regrading and seeding is anticipated to occur in 2019. Final surety release is anticipated to occur in 2023.

The applicant understands and commits to achieve final reclamation and revegetation success including, refers to at a minimum:

- surface configuration
- grading
- surface soil management and handling
- seeding
- land management and monitoring
- abandonment
- bond release

5.11. Regrading and shaping of the disturbed area within the permit boundary is intended to leave the site in a stable condition where reclamation success will ensure surety release and achievement of the designated post-mining land use.

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The applicant understands that engineered drainage will be a critical component to this success and commits to the measures identified in ***Appendix 2***. These details present surface structures that will remain after closure to assure drainage is engineered for proper management. The applicant commits to an ongoing management program of drainage, erosion, and sedimentation control over the life of the mining operations. Such measures will include, but not be limited to, regular monitoring for stability and erosion and implementation of design fixes in the unlikely event such measures are necessary to reestablish proper drainage. In addition to ***Appendix 2***, final regrading and reclamation treatments can be found on ***Drawing 2(C)***, ***Drawing 2(D)***, ***Drawing 2(E)***, and ***Drawing 3***.

The following narrative describes the applicant's plan to complete reclamation through, at a minimum, grading and/or stabilization procedures, surface soil replacement, seed bed preparation, seed mixture(s) and rate(s), and timing of seeding.

Erosion Control

The applicant commits to appropriate erosion control measures ***(Appendix 2 and Fifield, 2001 & 2002)*** to achieve surety release and a stable post-mining land use while realizing no adverse impact to adjacent landowners. It is understood that disturbance of the proposed NOI will result in temporary disruption of the existing distribution, quality, and quantity of water runoff. It is also anticipated that improvements over existing conditions are possible with implementation of Best Management Practices (BMPs) coupled with surface run-on measures depicted in ***Appendix 2*** and stormwater measures to be implemented through the stormwater pollution prevention plan (SWPPP).

The applicant understands that the erosion control technologies proposed will reduce, but not eliminate, soil erosion associated with the project. The applicant further understands that the erosion control measures anticipated will be modified during or after installation and that the proposed erosion control measures discussed hereafter permit maximum flexibility and allow for design and installation modifications.

The general narrative for the applicant's commitment to a suitable erosion control plan is presented in the following discussion:

Soils

- Salvage of surface soils, known to be thin to non-existent (see ***Appendix 3***), will occur to a nominal depth of 6 inches
- Salvaged surface soils will be stockpiled in the surface soil stockpile, ripped, roughened, and seeded with a temporary cover crop within one planting season or as surface soil salvage progresses
- Erosion will be minimized through the close coordination of surface soil salvage to achieve a "just-in-time" result, approximately 60-90 days, thus keeping the disturbed acreage a any given time to a minimum
- Coordination of surface soil placement and seeding will be managed to minimize the duration of time valuable soil will be left exposed but not seeded, during the initial clearing phase, intermediate grading phase, and final reclamation phase. This coordination will include, but not be limited to:
  - Installation of run-on and run-off controls, specifically those identified in ***Appendix 2***.
  - Installation of temporary erosion controls, including but not limited to silt fences, wattle, or gravel check dams, as construction progresses in conjunction with the SWPPP
- For all roads, fills, or stockpile, slope lengths or gradients will be minimized to the greatest extent practicable to minimize erosion potential

Roads

- Existing access roads will be utilized initially and phased out as mining and site preparation evolves.
- All access and haulage roads will be sited and designed to provide for safety, stability, and drainage
- No importation of road building material is anticipated
- Grades for any road on the project shall not exceed 10%
- Roads will be paved at a nominal thickness of 2-4 inches with native asphaltic material whenever possible
- Design cross culverts and ditches to complement natural drainage.
- Run-on controls such as berms, slope drains, and water bars (*Fifield, 2001 & 2002*) will be designed and installed as necessary
- Road drainage features will be engineered and installed at the time of road construction to ensure maximum erosion control
- Road drainage features, such as out-slope design, in-slope design, or road surface crowning to complement the surrounding drainage, will be engineered and installed at the time of road construction to ensure maximum erosion control.
- Drain water conveyances from access or haulage roads will be engineered to achieve a low-energy, un-concentrated flow and installed at the time of road construction to ensure maximum erosion control
- Culverts will be engineered and installed at the time of road construction to ensure maximum erosion control typically at an angle of fifteen to thirty degrees toward the inflow of the ditch and have a minimum one percent slope
- Rock armor, drop inlets, and catch basins will be engineered and installed at the time of road construction to ensure maximum erosion control typically at the culvert inlet to reduce plugging
- Culverts will be engineered and installed at the time of road construction to ensure maximum erosion control typically along the natural slope under the fill in areas
- Rocks or other energy-dissipating materials will be engineered and installed at the time of road construction to ensure maximum erosion control typically placed below the culvert outlet

Road Maintenance

- Asphaltic material-paved roads will be re-surfaced as necessary to maintain drainage and safety
- Dirt roads will be graded as needed
- All drainage features will be checked for debris or failure that limit or remove their effectiveness
- Road surfacing, water, well graded rock or gravel, or other treatments will be evaluated for use on dirt road surfaces in compliance with the developed Fugitive Dust Control Plan
- All culverts or other physical drainage conveyance features will be marked with large painted stakes, flags, or signs

Road Reclamation

- During the operation phase, cut and fill slopes will be ripped, surface soil applied, roughened, and seeded (temporary cover crop seed) within one planting season
- Once final reclamation configuration is achieved, cut and fill slopes will be ripped, surface soil applied, roughened, and seeded (temporary cover crop seed)
- All roads will be reclaimed at the time of closure
- Roads will not be left during the post-closure phase

Drainage

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- Erosion will be minimized within the existing drainage pattern through engineered structures (***Appendix 2)***
- Principal surface structures will be installed at the onset of large mining operations anticipated in 2008 and will remain post mining. The temporary sediment control ponds will be breached once permanent channels reach self maintaining conditions
- The perennial stream channel will be protected, secured, and remain unaltered
- A wetland revegetation plan will be developed in the event a new disturbance occurs within a designated wetland area or if the existing culvert and road is removed and revegetation of the wetland is necessary. In general, willows will be cut and transplanted at 2' centers within the defined wetland limits
- Install engineered sedimentation structures upstream of the perennial stream (***Appendix 2***)
- Install and seed soil berms along the course of the perennial stream within the project site for run-on control before construction begins
- Install sedimentation control BMPs (wattle and/or silt fence, see *Fifield, 2001 or 2002*) along the course of the perennial stream within the project site before construction begins
- Monitor annually the perennial stream for erosion and water quality and repair or replace BMPs as appropriate

Groundwater

- Minimize erosion that could potentially impact or compromise groundwater resources although, as previously indicated in the NOI, groundwater is not known to exist in the area nor is groundwater anticipated to exist in the mining area

Seed Mixture

The selected seed mix reflects the Division's recommendations for species composition observed within the project area prior to mining and the surrounding landscape and/or species not observed, but typically associated with the landscape, soil type, elevation, and precipitation of the project area. The project area naturally consists of a high amount of bare round cover, between 50 and 88.6 percent (see ***Appendix 3***). Native and non-native species for establishing vegetative cover will be utilized. Variances for substitution to the designated seed mix will be applied for by the applicant at the time of re-vegetation should a specific species be unavailable.

The following seed mixture will be utilized for all re-vegetated areas:

Common name	Scientific name	Pounds pure live seed per acre
Fourwing Saltbush	Atriplex canescens	2.0
Siberian wheatgrass	Agropyron sibericum	2.0
Crested wheatgrass	Agropyron desertorum X cristatum	1.0
Indian ricegrass	Oryzopsis hymenoides	2.0
Kochia	Kochia prostrata	0.5
Palmer penstemon	Penstemon palmeri	0.5
Russian wild rye	Elymus junceus	5.0
	TOTAL	**13.0**

Seed Ordering

Seed ordering will utilize a "just-in-time" approach coordinated with the seed supplier and seeding operator.

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Seed Quality and Certified Seed
The applicant commits to utilize only reputable seed suppliers that can provide certified weed-free seed and, to the greatest extent practical, seed with local origination.

Seed Storage
Seed will be brought onsite utilizing a "just-in-time" approach coordinated with the seed supplier and seeding operator. Long-term onsite storage will be minimized.

Seeding Schedule
Final seeding is anticipated to be performed in late October and early November.

Site Preparation
All seedbeds will be prepared by ripping to a nominal depth of 12 inches followed by the placement of surface soils to a nominal depth of 6 inches. Scarifying of the placed surface soils will also be completed to leave a roughened condition to enhance water harvesting, erosion control and re-vegetation success. Compacted surfaces such as roads and pads will be dozer-ripped a minimum of 18 inches prior to surface soil placement.

Seeding Method
Broadcast seeding will be utilized to limit the amount of soil disturbance and to allow soil roughness to be maintained. Broadcast seeding is anticipated to be completed with an equipment mounted cyclone (whirl bird) type seeder. Seeding as soon as practicable after roughening will be scheduled to get seed cover prior to surface crusting. Seedbed covering to achieve a 2" seed depth and/or other seeding techniques may be employed if deemed appropriate at the time of re-vegetation.

Reclamation Monitoring Controls
The applicant commits to control and monitoring on an annual basis of re-vegetation efforts designed to enhance ultimate success and surety release. This effort includes securing access to testing and/or reclaimed areas and utilization of third-party consultants and/or local government or academic reclamation specialists to accurately and appropriately measure the success of any re-vegetative efforts, including re-vegetation of the overburden disposal, the soil supplement test areas on the overburden disposal area, the concurrent pit backfill area, or any other area subject to re-vegetation during the mining operations. The results of these monitoring efforts shall be utilized to make recommendations for improvements in the large scale reclamation and re-vegetation effort to be initiated during the closure phase of the operation.

Weed Prevention and Control
Seeding of the surface soil stockpile will utilize certified weed-free seed. Surface soil stockpiles will be monitored for noxious weed populations on an annual basis and treated as necessary for noxious weed control prior to placement for re-vegetation. Grading and placement of surface soils will be coordinated with seeding so as to minimize the potential for weed infestation. Seeding of re-vegetated area will be performed with cleaned equipment. Re-vegetated areas will be monitored during the establishment phase for noxious weed populations and treated accordingly.

Irrigation
Irrigation will not be utilized.

Re-vegetation with Live Plants
Re-vegetation with live plants is not anticipated.

Fertilization

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Fertilization is not proposed.

Grazing Protection
Protection of re-seeded areas will be monitored to ensure success of the re-vegetation. Seeded areas will be monitored for the presence of unmanaged livestock grazing. Fencing is not anticipated to protect the seeding from trespass livestock but will be considered if livestock owner obligations and actions fail. The Utah Division of Wildlife Resources will be contacted if wildlife becomes a problem on the reclaimed site during the early years.

5.12. The applicant commits to evaluate the utilization of overburden, overburden/sand mixtures, and surface soil / sand mixtures as a supplemental growth medium to surface soil supplement in lieu of certainty that adequate surface soil quantity deficiencies are to be realized. This program will be designed and carried out utilizing reclamation test plots on the overburden disposal area during years 2.5 through 10 as overburden disposal is shifted from this stockpile disposal area to a concurrent pit backfilling. This approach will attempt to ensure that where there is no original protective cover, an alternate practical procedure will be completed to develop an alternate source of reclamation cover to minimize or control erosion or siltation during the post-closure phase of the operation.

6. The applicant commits to completing reclamation of the large mining operation pursuant to R647-4-110.

R647-4-111. Reclamation Practices
The applicant commits to operate in a manner consistent with the intent and language of R647-4-111. During reclamation, the applicant agrees to conform to the following practices unless the Division grants a variance in writing:

1. Public Safety and Welfare – The applicant will minimize hazards to the public safety and welfare following completion of operations. Methods to minimize hazards shall include but not be limited to:

1.11. The permanent sealing of shafts and tunnels in the unlikely event such surface features are discovered

1.12. The proper onsite or offsite disposal of trash, scrap metal and wood, buildings, extraneous debris, and other materials incident to mining

1.13. The plugging of drill, core, or other exploratory holes as set forth in Rule R647-4-108

1.14. The posting of appropriate warning signs in locations where public access to operations is directed or readily available

1.15. The construction of berms, fences and/or barriers above high-walls or other excavations when required by the Division and determined to be consistent with MSHA

2. Drainages – The applicant commits that natural channels will have erosion control and reclamation performed and will be left in a stable condition with respect to actual and reasonably expected water flow so as to avoid or minimize future damage to the hydrologic system.

3. Erosion Control – The applicant commits to the performance of reclamation such that sediment from disturbed areas is adequately controlled during the post-closure phase and that the degree of erosion control is appropriate for the site and regional conditions of post mining

land-use, topography, soil, drainage, water quality or other characteristics.

4. Deleterious Materials – The applicant commits, in the unlikely event deleterious materials are present, to the safe offsite removal or onsite management of deleterious or potentially deleterious material to the extent that adverse environmental effects are eliminated or controlled.

5. Land Use – The applicant commits to leave the on-site area suitable of the designated wildlife habitat post-mining land use.

6. Slopes – The applicant commits to leave overburden disposal, mine pit backfill, process plant benches, access and haulage road cuts and fills, or other cuts or fills in a stable configuration, minimizing safety hazards and erosion while providing for successful re-vegetation.

7. Highwalls – The applicant commits to reclaim and stabilize pit walls and cuts for pads or roadways by backfilling against them and/or by cutting these features back to achieve a slope angle of 3h:1v or less.

8. Roads and Pads – The applicant commits to reclaim on-site roads and pads when they are no longer needed for operations or for future exploration activity (contiguous to the mining operations). The applicant commits to ensure the property will have adequate surface drainage structures and in be in a condition suitable for the designated post-mining land use of wildlife habitat.

9. Dams and Impoundments – The applicant commits that the process water pond will be backfilled and shaped to prevent impounding of water. Surface drainage controls (*see **Drawing 3***) remaining at the conclusion of the mining operation and into the closure and post-closure phases will be reclaimed so as to be:

- self-draining
- mechanically stable
- of sound hydrologic design
- beneficial to the post-mining land use

10. Trenches and Pits – The applicant commits to backfilling and reclamation of any remaining trenches and/or small pits.

11. Structures and Equipment – The applicant commits to completely remove all structures, rail lines, utility connections, equipment, and debris and dispose of or salvage said materials.

12. Topsoil Redistribution – After final grading, the applicant commits that soil materials will be re-distributed on a stable surface is such a manner as to minimize erosion, prevent undue compaction and promote re-vegetation.

13. Re-vegetation – The applicant commits to utilize Division-approved species for re-vegetation seeding and will include adaptable perennial species that will grow on the site, provide basic soil and watershed protection, and support the post-mining land use. The applicant agrees that re-vegetation will be considered accomplished when:

13.11. Re-vegetation has:

- achieved 70 percent of the pre-mining vegetative ground cover, estimated at 19 percent for the proposed mining operation
- survived three growing seasons following the last seeding of a defined area

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13.12. The Division determines that the re-vegetation work has been satisfactorily completed within practical limits.

R647-4-112. Variance

R647-4-113. Surety
A reclamation cost estimate based upon RS MEANS or third-party costs has been developed. Surety will be posted on a phased approach. Phase 1 will include the plant site surface disturbance area complete, one module, access roads, the 2.5 year mining plan with overburden pile and the two permanent drainage diversions. The surety will be modified to incorporate additional phases, 5 and 10 year mining plan and plant or process units prior to their construction. The areas to be phased bonded are depicted on ***Drawings 2F, 2G &2H.*** The following reclamation components will be included in the surety estimate:

- Clean-up and removal of structures
- Backfilling, grading and contouring
- Soil material redistribution and stabilization
- Re-vegetation (preparation, seeding, mulching)
- Safety gates, berms, barriers, signs, etc.
- Demolition, removal or burial of facilities/structures, re-grading / ripping of facilities areas
- Re-grading, ripping of waste dump tops and slopes
- Re-grading / ripping stockpiles, pads and other compacted areas
- Ripping access roads
- Drainage reconstruction
- General site clean up and removal of trash and debris
- Removal / disposal of hazardous materials
- Mobilization/de-mobilization
- Supervision during reclamation
- Profit/overhead
- Escalation factor/contingency
- Post mine monitoring for surety bond release

The areas and treatments included in the reclamation treatments map (***Drawing 2{f}***) correspond with items included in the reclamation cost estimate. Surety calculations can be found in ***Appendix 5***. The calculations are set up in an excel format with tabs for each key element to be reclaimed. Each tab details the elements to be reclaimed with assumptions and reference for costing from a base cost table.

R647-4-114. Failure to Reclaim
R647-4-115. Confidential Information
R647-4-116. Public Notice and Appeals
R647-4-117. Notification of Suspension or Termination of Operations
R647-4-118. Revisions
R647-4-119. Amendments
R647-4-120. Transfer of Notice of Intention
R647-4-121. Reports
R647-4-122. Practices and Procedures; Appeals

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TME Organization Chart

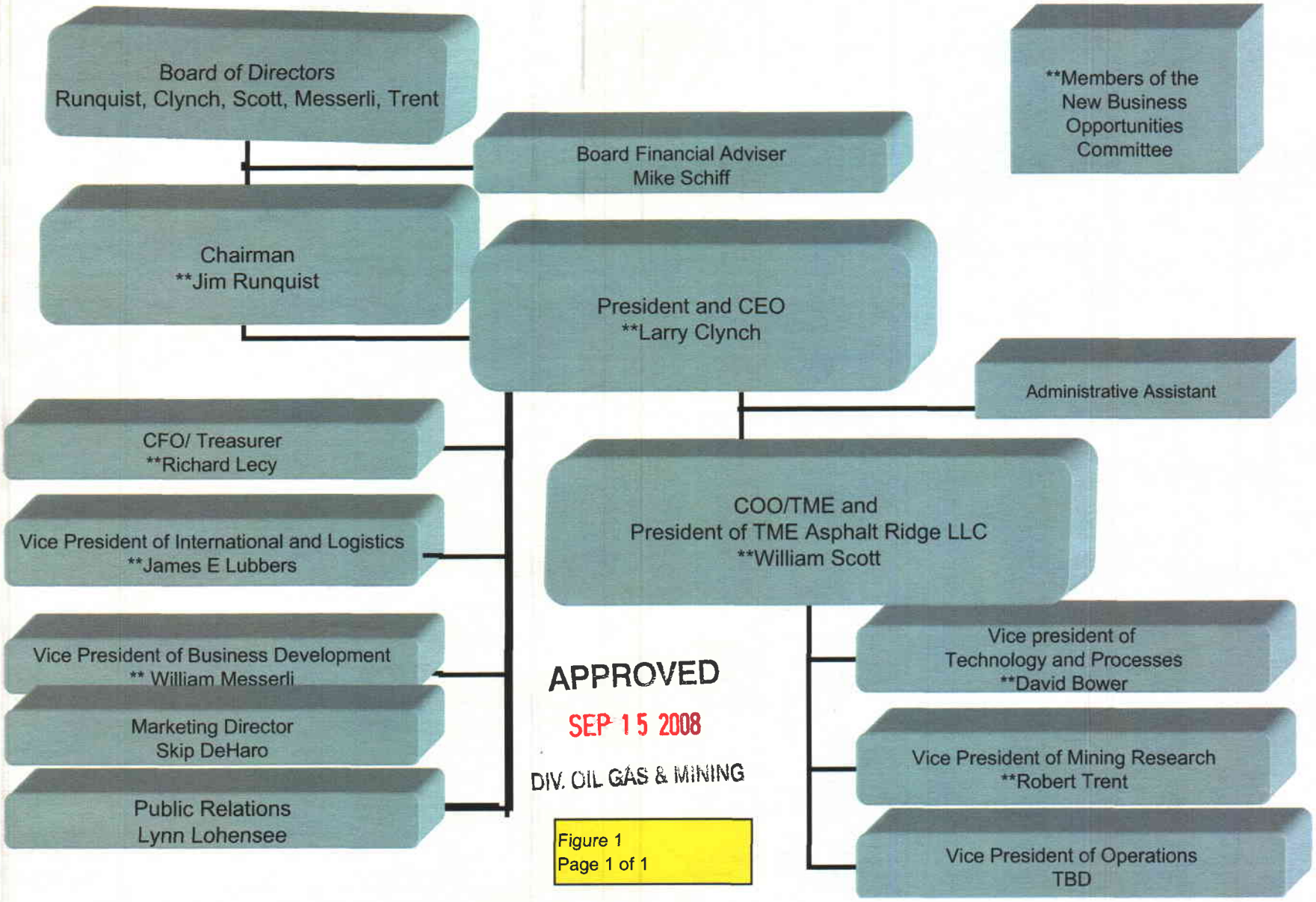

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Figure 1
Page 1 of 1

TME Asphalt Ridge LLC Organization Chart

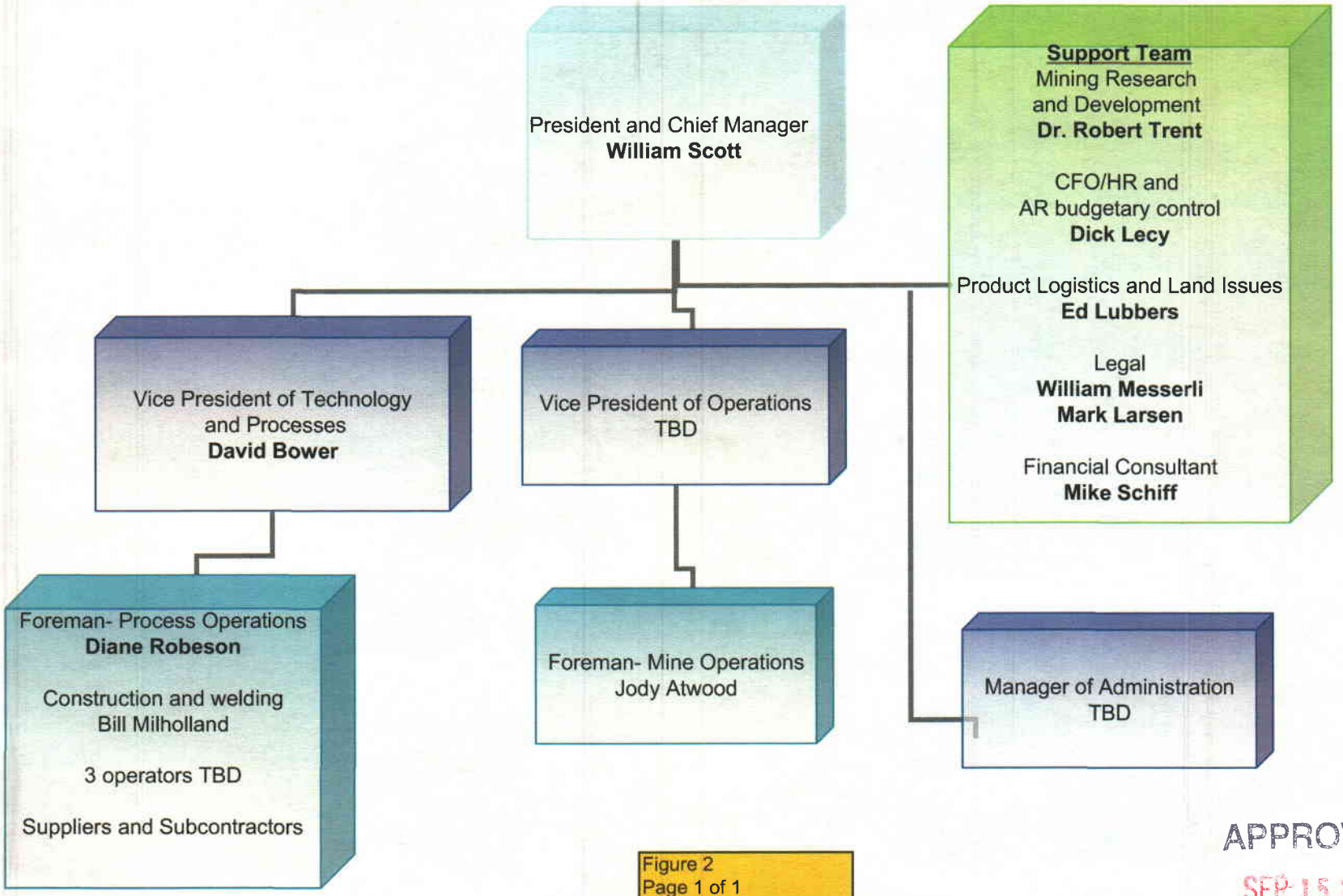

Figure 2
Page 1 of 1

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The process plants would work in a siamese fashion. One reception, one Primary Screen and Crush to feed 2 processes from the wet wash plant.
From the Primary screen and crush, 2 x single wet wash plants (250/400tph units) and subsequent process would be used.

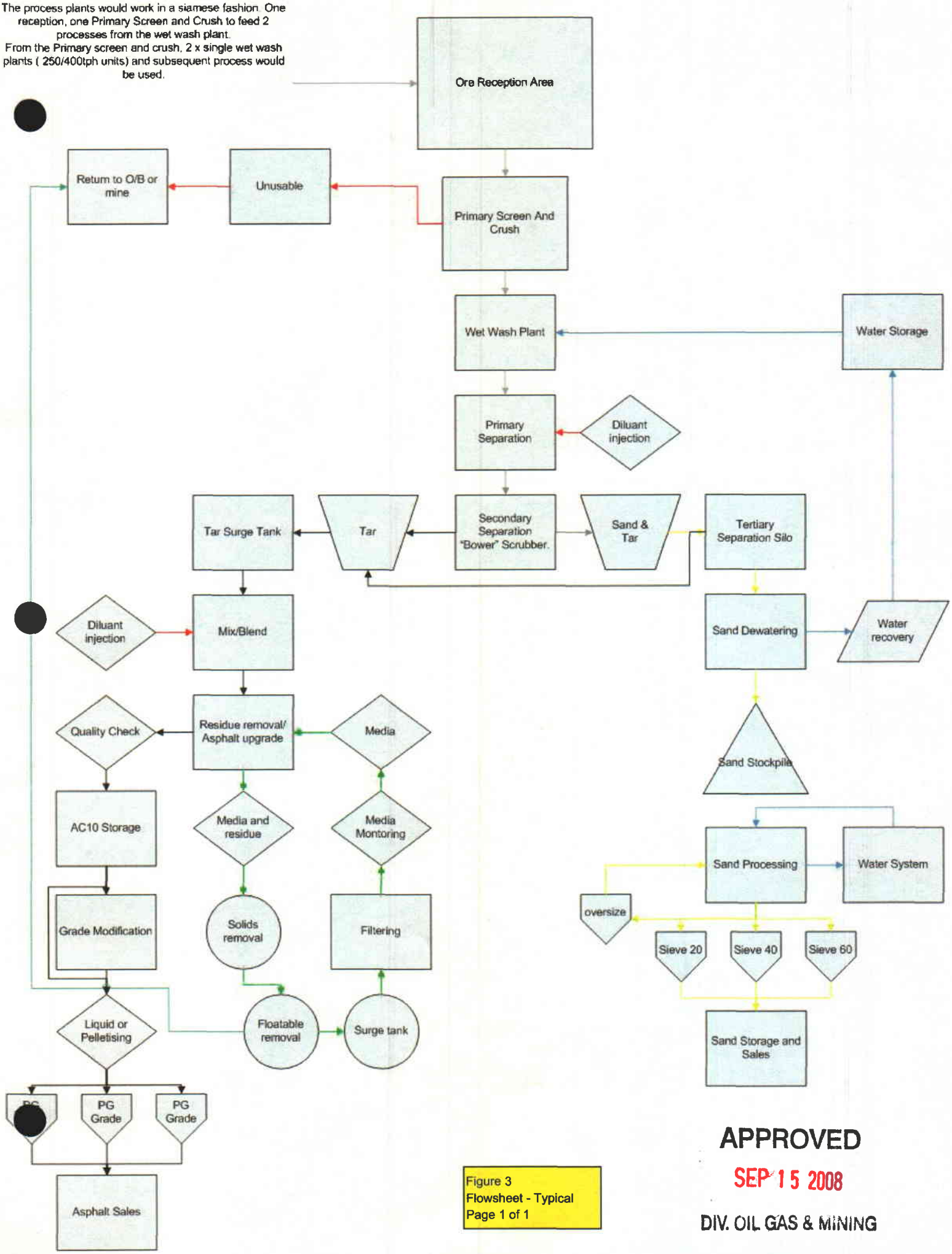

Figure 3
Flowsheet - Typical
Page 1 of 1

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TEMPLE MOUNTAIN ENERGY

ASPHALT RIDGE PROJECT

CORE HOLE LOCATION IN PERMIT AREA

SEC. 31 T5S R22E

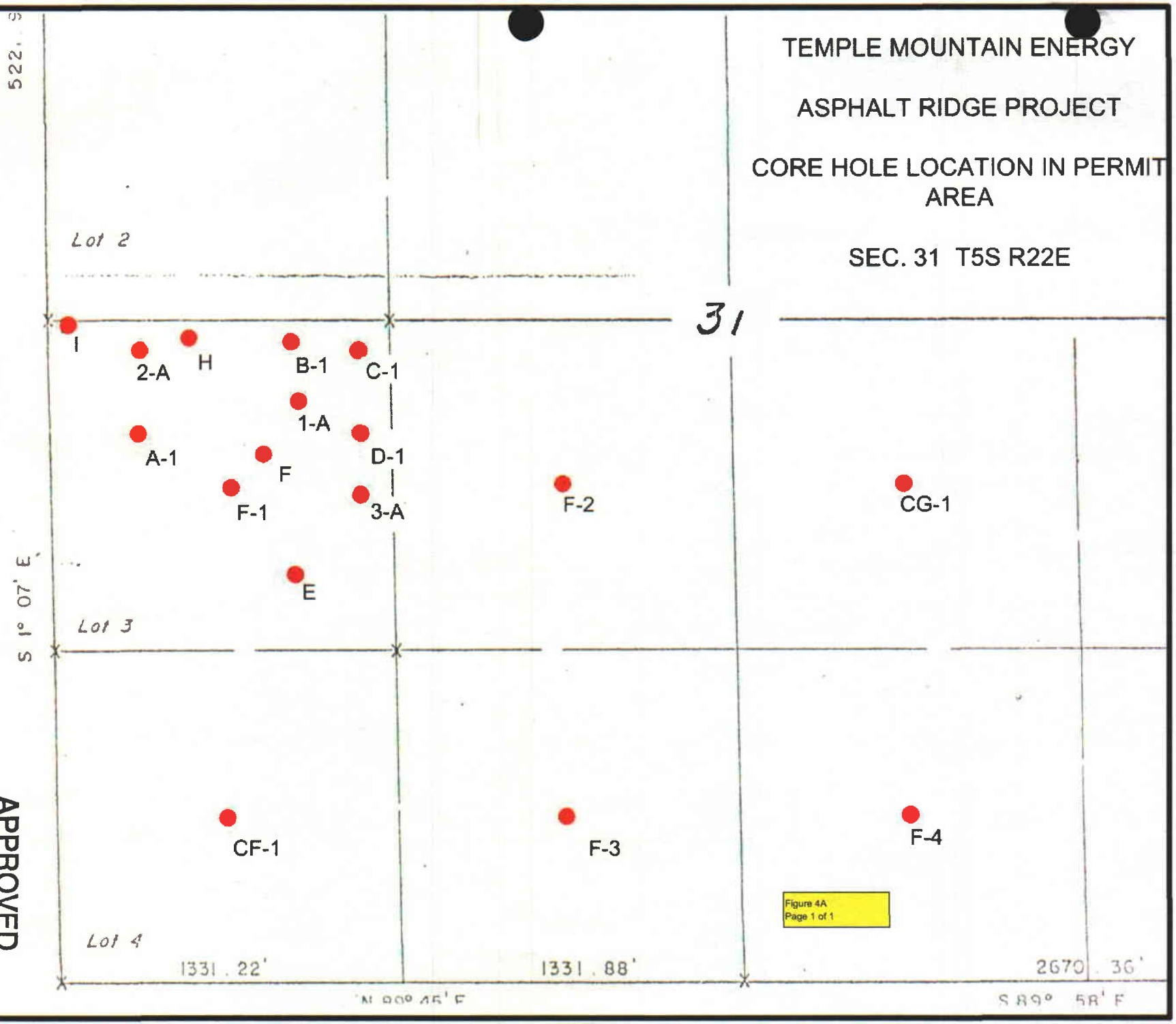

Figure 4A
Page 1 of 1

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Section 31 Asphalt Formation Dip

Legend:
TOS=Top of Sand
BOS=Bottom of Sand

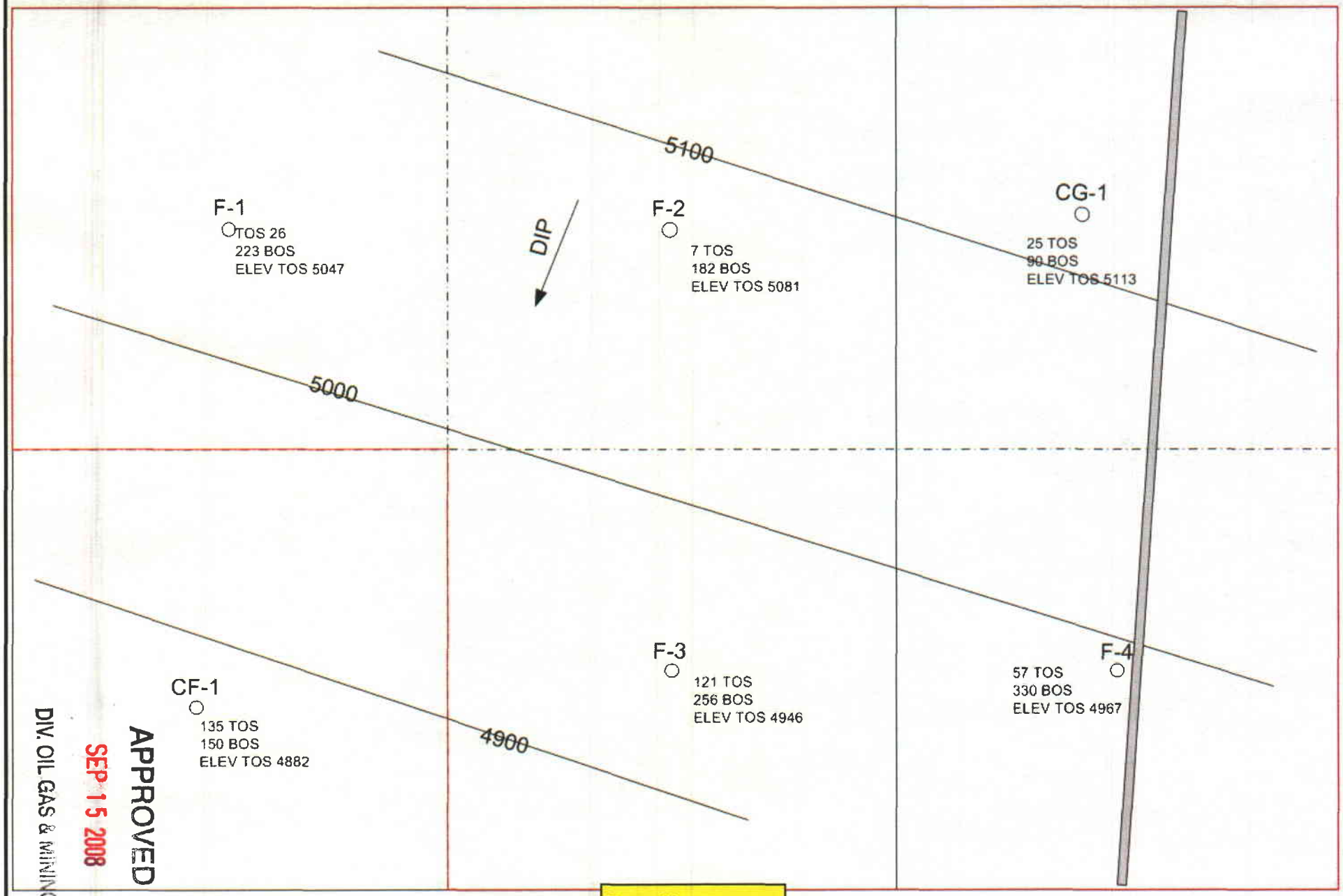

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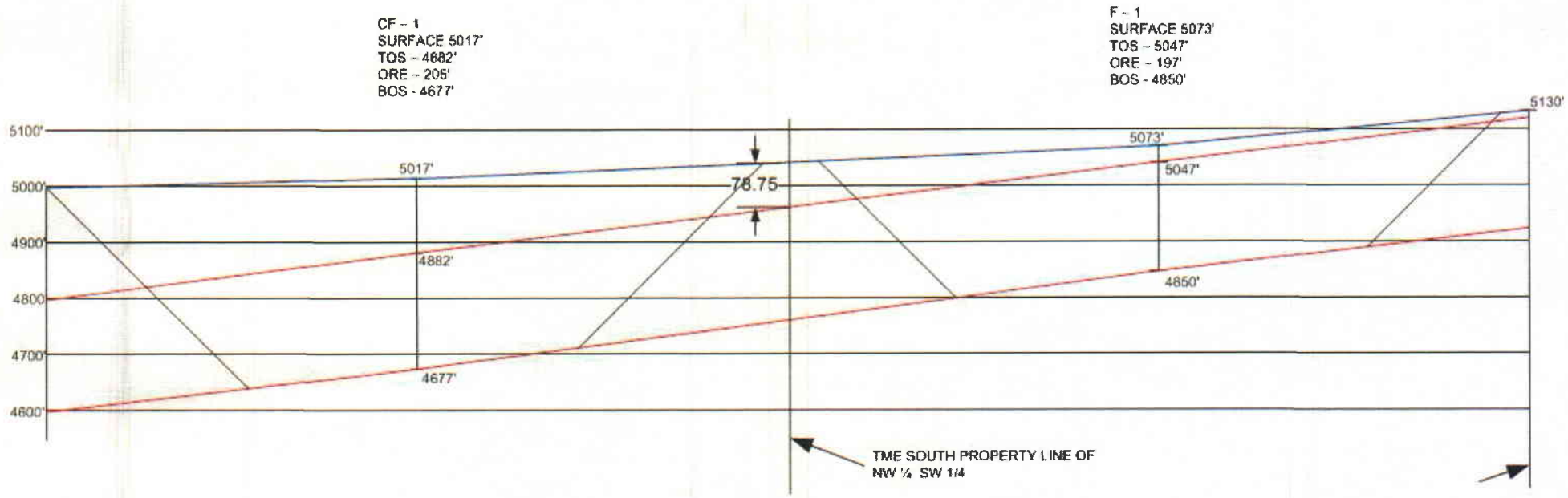
Figure 4B
Page 1 of 1



SECTION A - A'

Figure 4C
Page 1 of 1

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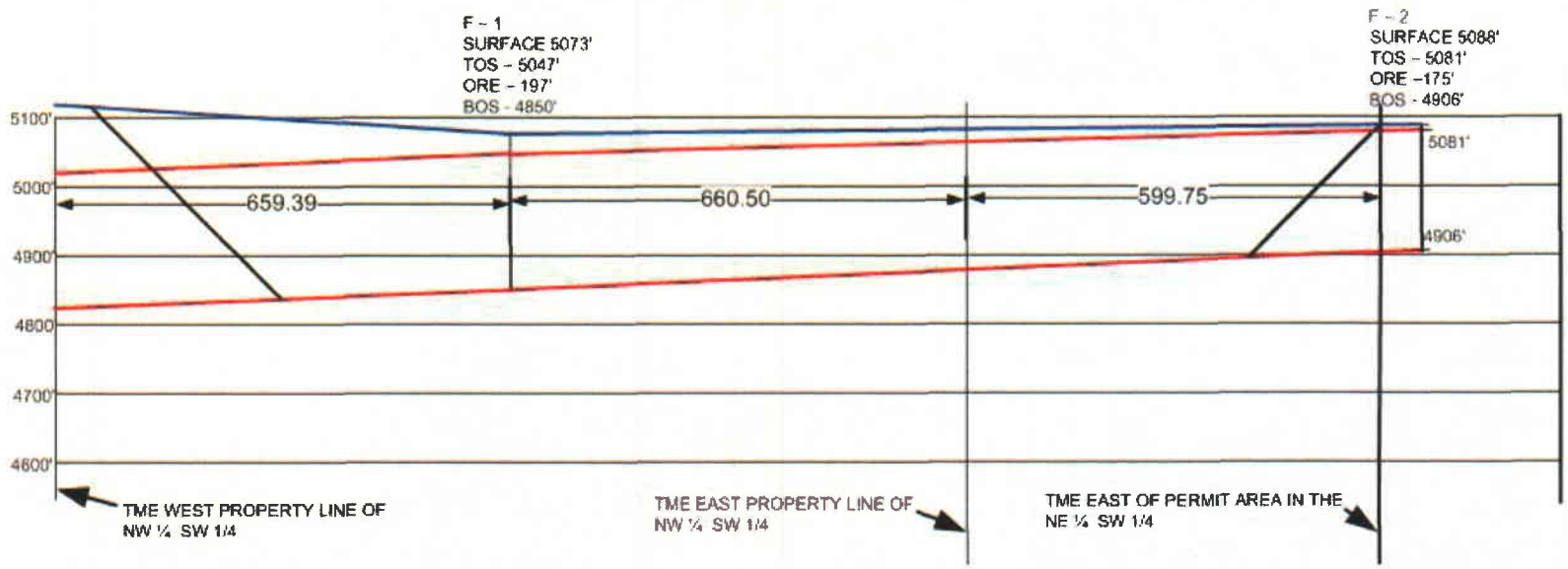

SECTION B - B'

Figure 4D
Page 1 of 1

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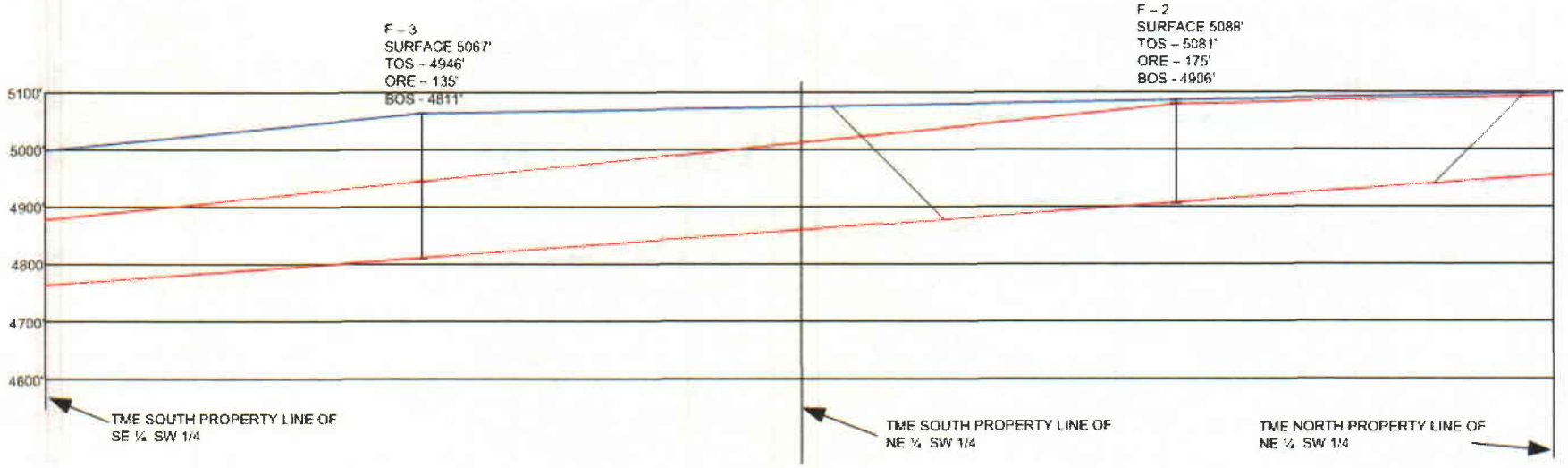

NOTE: CORE HOLES F-2 AND F-3 ARE
50 FT. EAST OF CROSS SECTION

SECTION C - C'

Figure 4E
Page 1 of 1

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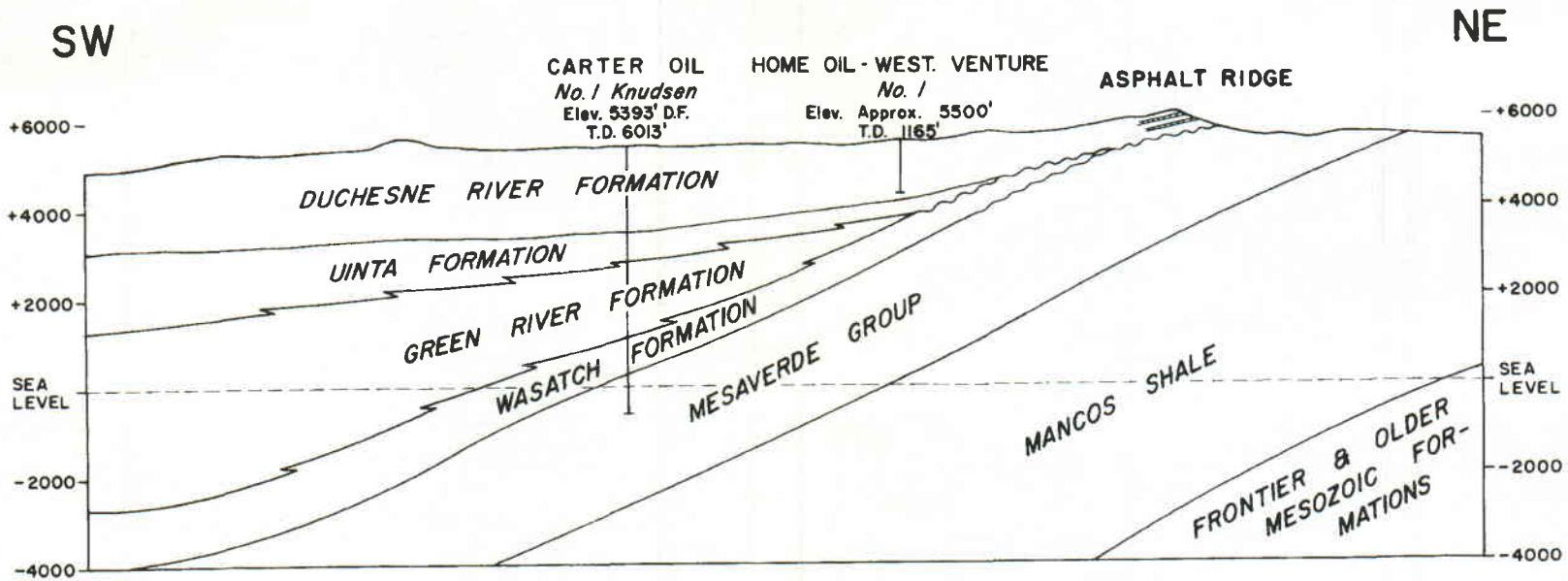

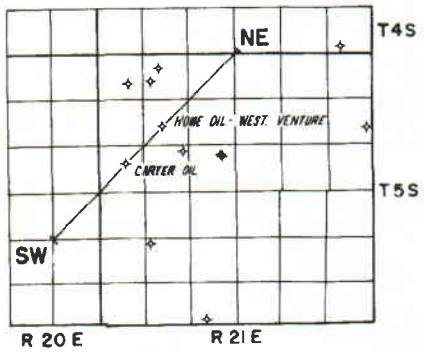

INDEX MAP

GENERALIZED GEOLOGIC SECTION, ASPHALT RIDGE AREA, UINTAH COUNTY, UTAH

Figure 5
Page 1 of 1

File No. 339A

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[illegible] deposits and igneous rocks in all parts of Utah are shown by the symbols to the right. Other map units are identified by symbols shown in the columns below. Refer to small index map to locate the area represented by each column.

SURFICAL DEPOSITS

- Qal Alluvium and colluvium
- Qao Older alluvial deposits
- Qe Eolian deposits
- Qg Glacial deposits
- Ql Lake Bonneville deposits
- Qm Marshes
- Qs Mud and salt flats
- Qls Landslides

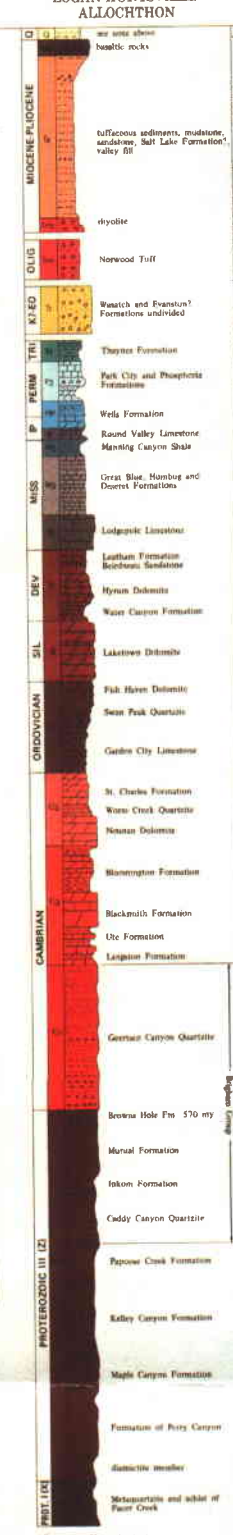
Radiometric age (millions of years)
0 QUATERNARY
2 my PLIOCENE
5 my MIOCENE
24 my OLIGOCENE
38 my

IGNEOUS ROCKS

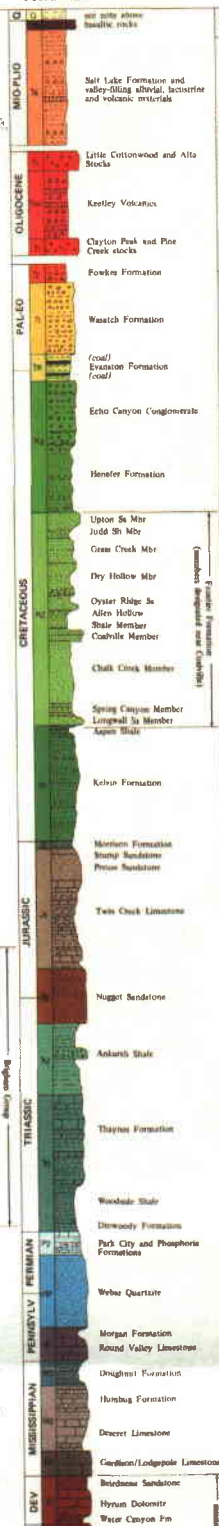
- Basalts
- Basalts
- Basalts
- Rhyolites
- Rhyolites
- Rhyolites
- Andesites
- Miocene volcanic rocks, undivided
- Oligocene volcanic rocks, undivided
- Tvu Tertiary volcanic rocks, undivided
- Tertiary [illegible]
- Jurassic intrusive rocks
- Precambrian intrusive rocks

NORTHWESTERN UTAH

LOGAN-HUNTSVILLE ALLOCHTHON



SALT LAKE CITY-COALVILLE-RANDOLPH



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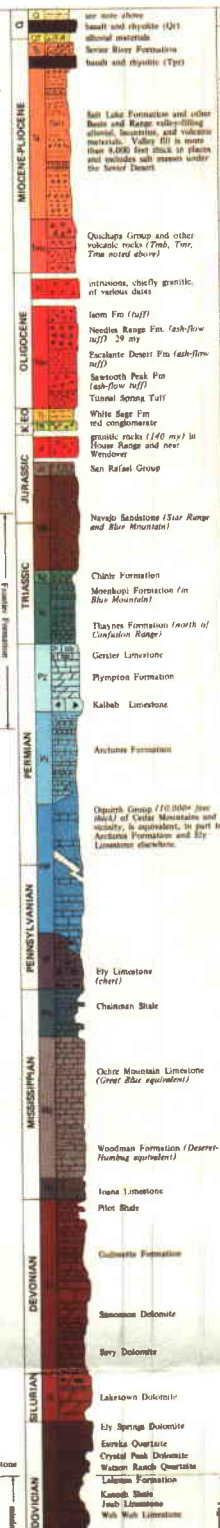

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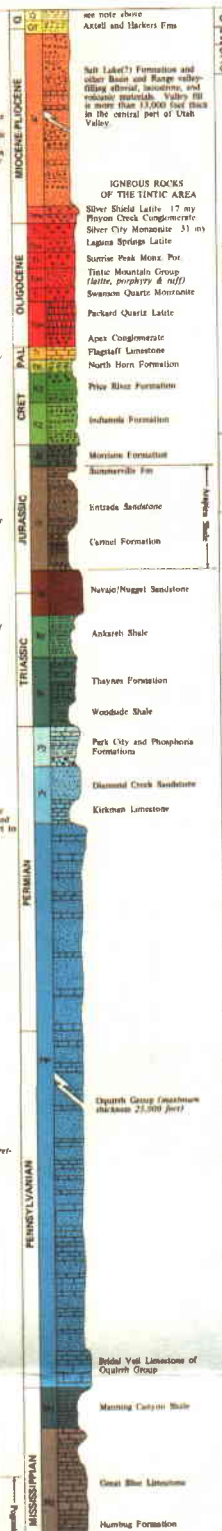
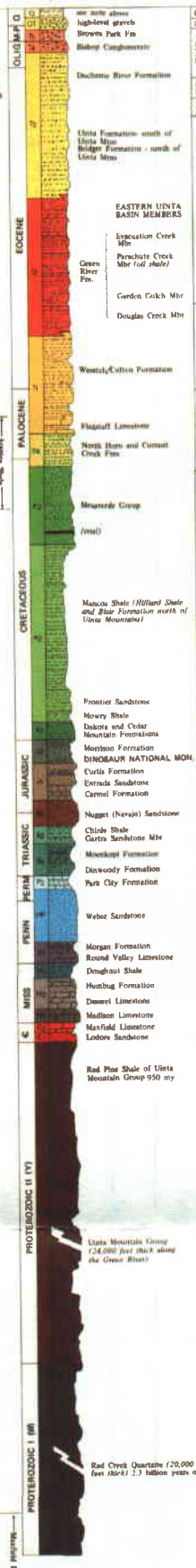
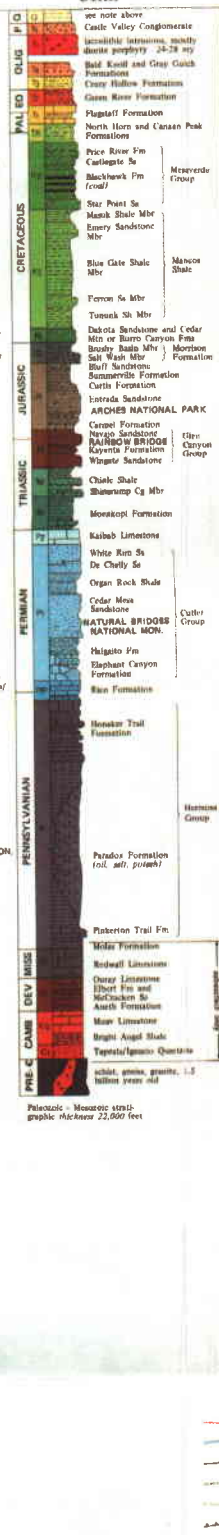


UINTA MOUNTAINS-UINTA BASIN



SOUTHEASTERN UTAH



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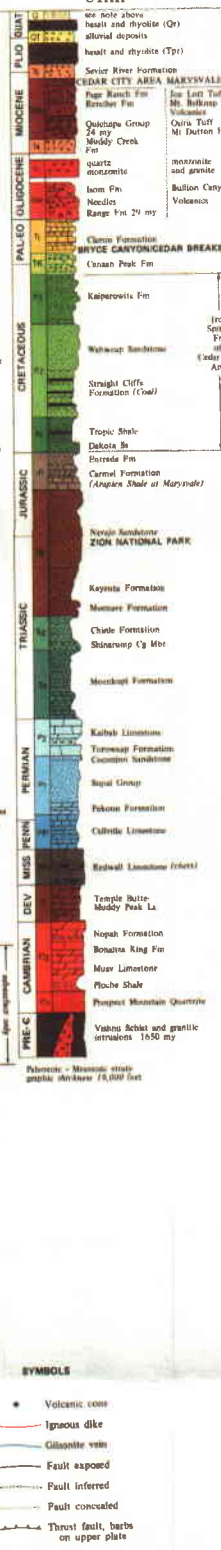
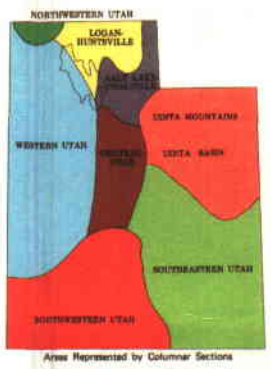




Areas Represented by Columnar Sections

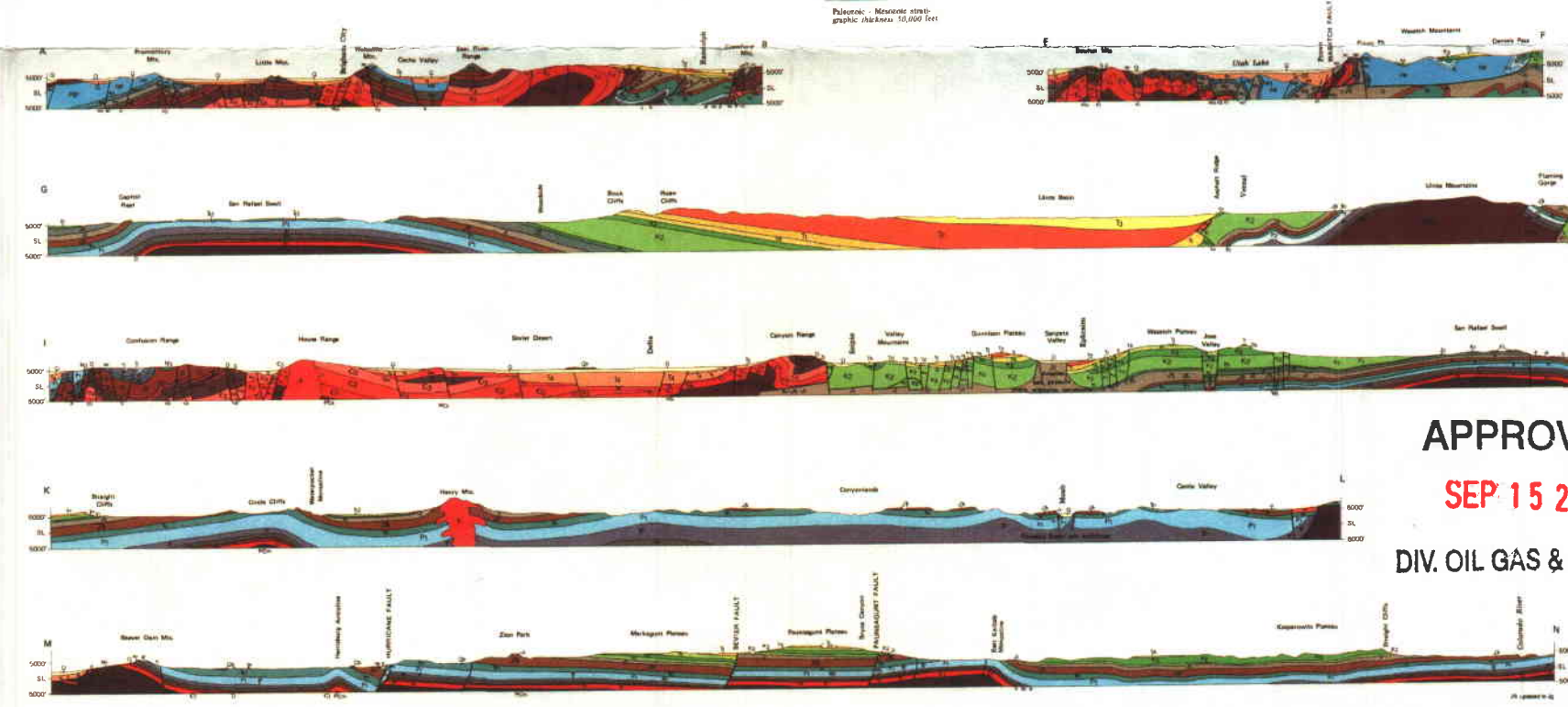
Scale of sections: 5 cm = 1000 m or 0.8 inch = 1000 feet approximately.

Location of Cross Sections

Cross Sections vertical exaggeration ×2

SYMBOLS

- Volcanic cone
- Igneous dike
- Gilsonite vein
- Fault exposed
- Fault inferred
- Fault concealed
- Thrust fault, barbs on upper plate



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Appropriation 018103
Archives Approval 8000344

Figure 5B

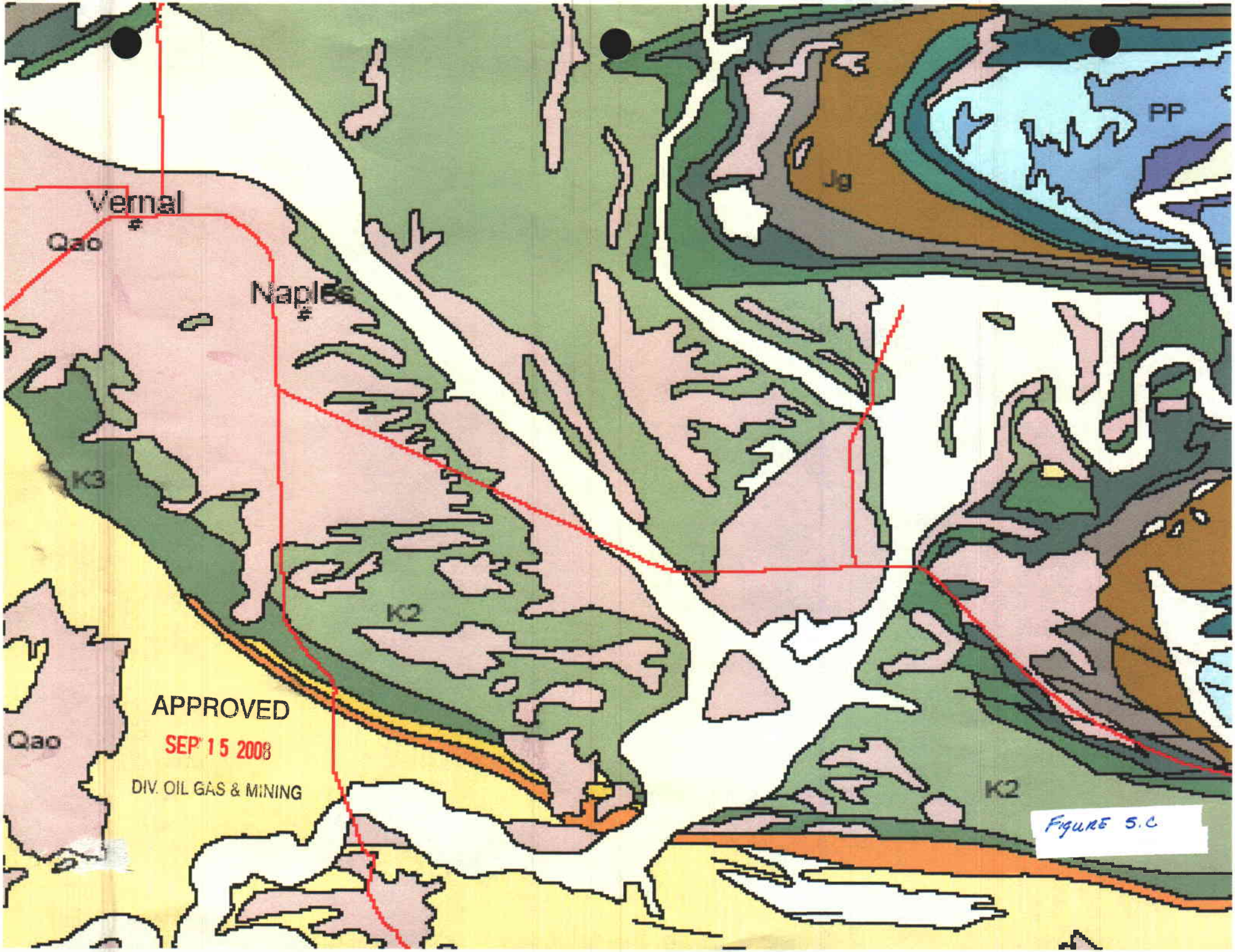
Vernal
Qao
Naples
K3
K2
Qao
Jg
PP
K2
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FIGURE 5.C

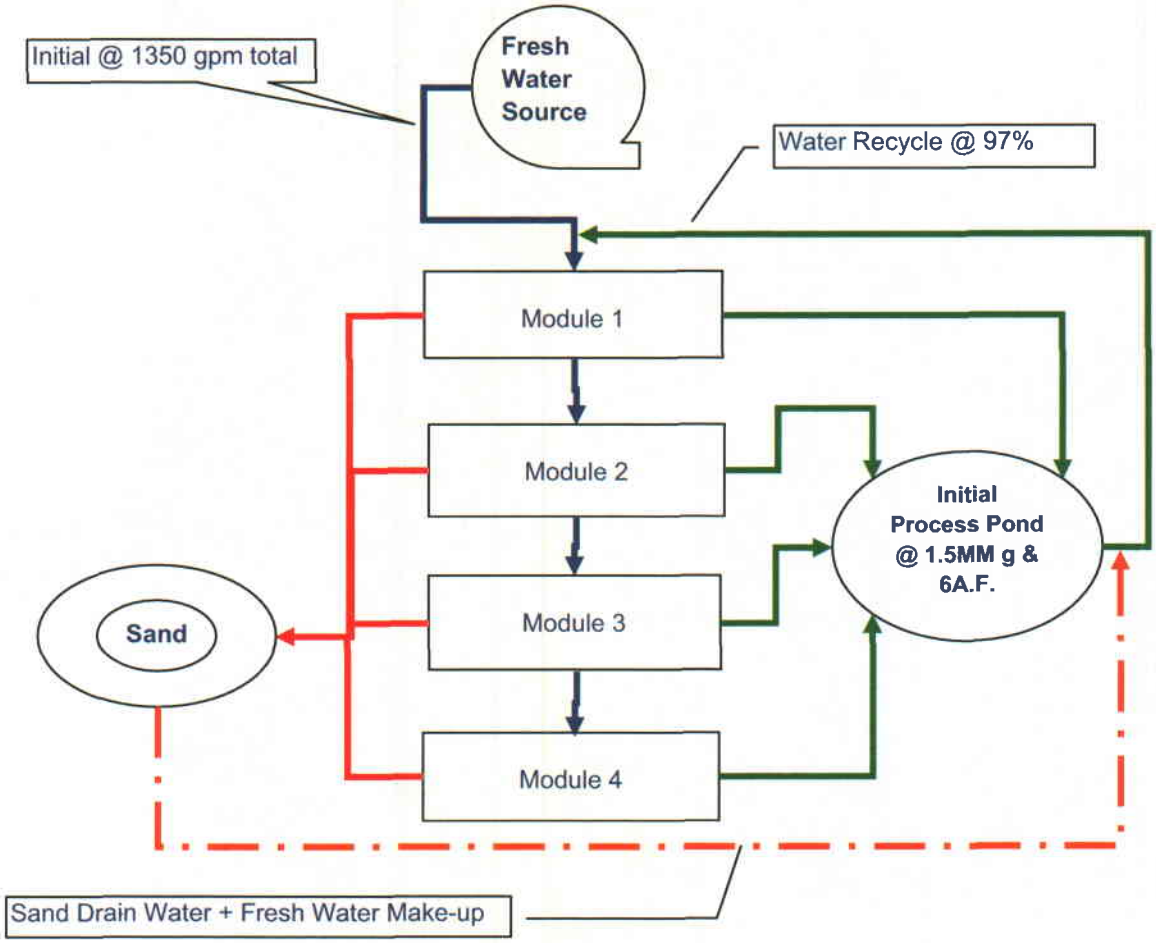

Figure 6
Water Flowsheet - General
Page 1 of 1

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Table 1

Mined &/or Processed Material						
	Material Depth		Years			
			0 - 2.5	2.5 - 5	5 - 10	TOTAL
Material Mined/Processed	Range	Average	CY / T	CY / T	CY / T	CY / T
Overburden mined	0-40'	30'	250,000 / 475,000	250,000 / 475,000	500,000 / 950,000	1,000,000 / 1,900,000
Inter-burden mined	-	-	1,575,000 / 3,000,000	1,575,000 / 3,000,000	3,150,000 / 6,000,000	6,300,000 / 12,000,000
Ore mined	0-100'	100'	2,375,000 / 4,750,000	2,375,000 / 4,750,000	4,750,000 / 9,500,000	9,500,000 / 19,000,000
Ore processed	-	-	2,375,000 / 4,750,000	2,375,000 / 4,750,000	4,50,000 / 9,500,000	9,500,000 / 19,000,000
Silica sand produced	-	-	2,375,000 / 4,512,500	2,375,000 / 4,512,500	4,750,000 / 9,025,000	9,500,000 / 19,000,000
Surface soil salvaged	1-1'	1'				247,000 / 469,000
Pit backfill = 12,600,000 CY						
Overburden stockpile = 4,200,000 CY						

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Table 2

Ref	Structures & Facilities Area	Component	Description	Details
	Ancillary Facilities			
2.1	Mine	Building	Maintenance	300,000CF; no foundation; sprung tent
2.2	Mine	Trailer	Office	24,000CF; no foundation; portable construction trailer
2.3	Plant - General	Trailer	Office	14,400CF; no foundation; portable construction trailer
2.4	Site - General	Access	Building	2,000CF; portable building
2.5	Plant - General	Existing Stream Xing	Culvert - CMP	Leave in place
2.6	Plant - General	Fencing	Transformer yard area	160 LF; chain link, concrete post sets
2.7	Plant - General	Oil heater 7.0MM BTU/hr	Slab	1,800SF; common concrete pad; propane
2.8	Plant - General	Vault / Pump	Domestic Waste	10,000 gallons; anticipate concrete; buried
2.9	Plant - Ore Preparation	Building	Process	60,000CF; no foundation; sprung tent
2.10	Plant - Bitumen Recovery	Building	Oil recovery	96,000CF; no foundation; sprung tent
2.11	Plant - Bitumen Recovery	Pipeline	Bitumen	1,250 LF; steel piping; above ground
2.12	Mine	Silo/Bin	INFO	No foundation; portable steel silo/bin
2.12	Mine	Magazine	Boosters	No foundation; steel, modular
2.12	Mine	Magazine	Caps	No foundation; steel, modular
2.13	Mine	Pump set	Water Source Stand	No foundation; Skid/trailer-mounted
2.14	Plant - General	Fencing	Perimeter	6,000LF; chain link, concrete post sets
3.1-3.3	Plant - General	Pipeline	Water	2,500 LF; buried ground
4.7	Plant - General	Tanks	Propane	2 @ 12,000 G each; vendor supplied; no foundations
5.1-5.3	Plant - General	Poles	Power distribution	1,700 LF; poles and wire. Will be owned by power Co
6.1	Access	Culverts	Temporary Culverts	Remove estimated 10 temporary culverts
7.1-7.2	Plant - General	Lay Down	Storage Area	Misc. solid supplies and materials
	PLANT-ORE PREPARATION			
1.1	Plant - Ore Preparation	Crusher with Hopper	Crushing unit and feed hopper	3,20SF; portable hopper and crusher placed on asphalt surface
1.2	Plant - Ore Preparation	Screen	Rotating Screen	4,80SF; mobile screen placed on asphalt surface
1.3	Plant - Ore Preparation	Conveyors	Conveyors for feed, transfer and stockpiles	7,350SF total - 1,100 LF - screen to modules; 750 LF - modules to sand process transfer; 500 LF sand transfer to Sand Process stockpile; 100 LF sand process - assumed 3' wide
1.4	Plant - Ore Preparation	Process Module	Module pad	9,817SY; concrete slab
1.5	Plant - Ore Preparation	Process Module	Unit	480SF; portable skid mounted
1.6.a	Plant - Ore Preparation	Process Module	Primary Separation	5,000 - 10,000 gallon tank; no foundation; ground anchors; earth berms
1.6.b	Plant - Ore Preparation	Process Module	Secondary Separation	5,000 - 10,000 gallon tank; no foundation; ground anchors; earth berms
1.6.c	Plant - Ore Preparation	Process Module	Tertiary Separation	5,000 - 10,000 gallon tank; no foundation; ground anchors; earth berms
1.6.d	Plant - Ore Preparation	Process Module	Surge Break	5,000 - 10,000 gallon tank; no foundation; ground anchors; earth berms
1.6.e	Plant - Ore Preparation	Process Module	Distillate (diluant) storage	10,000 gallon steel tank; no foundation; ground anchors; earth berms
1.6.f	Plant - Ore Preparation	Process Module	Tar Surge	10,000 gallon steel tank; no foundation; ground anchors; earth berms
1.6.g	Plant - Ore Preparation	Process Module	Piping	750LF; piping conveyance and pumps within modules and to other process components
1.7	Plant - Ore Preparation	Pond	Water Storage Impoundment	6.4 AF; 9' effective berm centerline height; 6" rolled asphalt liner
1.8	Plant - Ore Preparation	Pond	Pump set	Skid mounted return water pump; no foundation. Placed on ground surface.
1.9.a	Sand Processing	Stockpile	Pad	3,000SF; asphalt pad
1.9.b	Sand Processing	Screening & Prep Plant	Unit	320SF; asphalt base; portable
1.10	Plant - Ore Preparation	Building	Control & Generation	6400CF; sprung tent; ground anchors; no foundation
	Mine			
8.1	Open Pit	Earthwork	Backfill & Surface Soil Placement	Refer to Appendix 5
8.2	Mine - General	Earthwork	Ripping and scarifying	Refer to Appendix 5
8.3	Mine - General	Earthwork	Surface grading and profiling	Refer to Appendix 5
8.4	Mine - General	Earthwork	Surface soil replacement	Refer to Appendix 5
8.5	Mine - General	Earthwork	Finish grading/seedbed prep	Refer to Appendix 5
8.6	Mine - General	Earthwork	Road reclamation	Refer to Appendix 5
9.1-9.6	Mine - General	Soil Seeding	Seed application	Refer to Appendix 5
10.1	Mine - General	Drill Holes	Plug drill holes	Refer to Appendix 5

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Ref. ties to Appendix 5 Tables

Table 3			
Deleterious Materials Analysis			
Parameter	**Units**	**#1 Asphalt / Liner**	**#2 Overburden**
[1]Arsenic	mg/l	<0.050	<0.050
[1]Barium	mg/l	<0.050	<0.050
[1]Cadmium	mg/l	<0.010	<0.010
[1]Calcium	mg/l	5.4	90
[1]Chromium	mg/l	<0.010	<0.010
[1]Lead	mg/l	<0.050	<0.050
[1]Magnesium	mg/l	1.5	16
[1]Mercury	mg/l	<0.0010	<0.0010
[1]Potassium	mg/l	1.1	3.8
[1]Selenium	mg/l	<0.050	<0.050
[1]Silver	mg/l	<0.010	<0.010
[1]Sodium	mg/l	24	28
[2]Alkalinity	mg/l	110	68
[3]Chloride	mg/l	1.4	1.5
[4,8]Conductivity	uhmos/cm	460	1300
[5,9]pH	pH Units	8.39	7.96
[3]Sulfate	mg/l	6.4	280
[6]TDS	mg/l	76	440
[7]TRPH	mg/l	3.7	3.9
[1]SPLP Method 1312			
[2]Method 2320B			
[3]Method 300.0			
[4]Method 9050A			
[5]Method 9045D			
[6]Method 160.1			
[7]Method 1664A SGT			

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Table 4

Perennial Stream Water Quality		
Parameter	**Units**	**#3 Upstream WQ (Perennial)**
Arsenic	mg/l	0.0012
Barium	mg/l	0.0092
Cadmium	mg/l	0.014
Calcium	mg/l	180
Chromium	mg/l	<0.010
Lead	mg/l	0.00039
Magnesium	mg/l	66
Mercury	mg/l	<0.00020
Potassium	mg/l	7.2
Selenium	mg/l	0.023
Silver	mg/l	<0.00040
Sodium	mg/l	21
[2]Alkalinity	mg/l	<10
[3]Chloride	mg/l	8.7
[8]Conductivity	uhmos/cm	[8]1500
[9]pH	pH Units	[9]3.13
[3]Sulfate	mg/l	1100
[7]TRPH	mg/l	<3.0
[10]TSS		<3.0
[2]Method 2320B		
[3]Method 300.0		
[4]Method 9050A		
[5]Method 9045D		
[6]Method 160.1		
[7]Method 1664A SGT		
[8]Method 2510B		
[9]Method 4500H+B		
[10]Method 2540D		

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Table 5 Acreage Characterization						
Acreage Balance - Gross			Acreage Balance - Reclamation Component			
Type	**Description**	**Acreage**			**Acreage**	**Acreage**
Area	Disturbed previously, outside pits	2				
Area	Disturbed previously, within pits	19				
Area	Tailing Disposal	0				
Area	Undisturbed, to be disturbed	134				
Area	Undisturbed, to remain undisturbed	60				
	Total Gross Acreage Balance	**215**				
			Area	Undisturbed, to be disturbed	134	
			Area	Disturbed previously, within pits	20	
			Area	Disturbed previously, outside pits	2	
			Area	Overburden disposal		17
			Area	Pits (includes 6.7 acres haulage)		92
			Facilities	Process		37
			Roads	Roads, Access (w/outside pit disturbed)		4
			Roads	Haulage (see Pits)		0
			Stockpile	Ore		5
			Stockpile	Silica Sand		5
			Stockpile	Surface soil		5
					156	**165**

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Table 6					
Process Water Pond					
Bottom Dimensions	746LF (265'x110')				
Side Slope	3:1				
Perimeter Dimensions	860LF (300'x146')				
Surface Area	43493 SF				
Surface Area	1 acre				
Pond Depth	6 LF				
Berm Height	9 LF				
Capacity	1.6 MM Gallons				
Capacity	5 AF				
Note that these dimensions do not include the safety berm, top rim, or catch slopes					
Pond Staging Schedule					
		Volume			
Stage	**Area**	**Increment**	**Cumulative**		
ft	*ft2*	*ft3*	*ft3*	*ac-ft*	*gal*
5054.00	*29053.00*	*0.00*	*0.00*	*0.000*	*0*
5056.00	*33640.00*	*62693.00*	*62693.00*	*1.439*	*468,944*
5058.00	*38453.00*	*72093.00*	*134786.00*	*3.094*	*1,008,199*
5060.00	*43493.00*	*81946.00*	*216732.00*	*4.975*	***1,621,155***

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

PREPARED FOR:

Engineering Services, Inc.
P.O Box 1485
1344 West Highway 40
Vernal, Utah 84078

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SBI Project No.1-05-473

January 20, 2006

Simon • Bymaster Inc.
Geologic, Environmental, and Geotechnical Consultants

1025 East 400 North
Bountiful, Utah 84010
801.943.3100
fax: 801.904.0007

January 20, 2006

Engineering Services, Inc.
Mr. Daren S. Anderson, P.E.
P.O. Box 1485
1344 West Highway 40
Vernal, Utah 84078

Subject: **Phase I Environmental Site Assessment**
Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah
SBI Project No. 1-05-473

Dear Mr. Anderson,

This report presents the findings of a Phase I Environmental Site Assessment performed at the above referenced property. The assessment was performed in accordance with your authorization of November 7, 2005.

If you have any questions please feel free to contact the undersigned. The opportunity to be of service on this project is appreciated.

Very truly yours,

SBI

William D. Bymaster

William D. Bymaster, C.E.M., R.E.A.
Principal

David B. Simon

David B. Simon, P.G.
Principal

WDB/DBS
Dist: 3/Addressee

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TABLE OF CONTENTS

EXECUTIVE SUMMARY i

1.0 INTRODUCTION 1

2.0 SCOPE OF WORK 1
2.1 Records Research 1
2.2 Site Reconnaissance 2
2.3 Interviews 2
2.4 Interpretation and Report Preparation 2

3.0 SITE DESCRIPTION 2
3.1 Current Zoning and Legal Description 2
3.2 Site Vicinity Characteristics 4
3.3 Description of Improvements and Current Utilization of the Site 4
3.4 Previous Environmental Site Assessments 5

4.0 ENVIRONMENTAL SETTING 5
4.1 Geology 5
4.2 Subsurface Hydrology 6
4.3 Surface Water Bodies 6
4.4 Flood Plain Designation 7

5.0 PRIOR SITE USE 7
5.1 Aerial Photograph Review 7
5.2 City Directories 8
5.3 Sanborn Fire Insurance Maps 8

6.0 INTERVIEWS AND REQUESTS FOR INFORMATION 9
6.1 Current and Past Owners and Occupants 9
6.2 Uintah County Offices 9
6.3 State of Utah Division of Oil, Gas, and Mining 9
6.4 United States Departmetn of the Interior, Bureau of Land Management, Division of Lands and Minerals 10
6.5 State of Utah Department of Water Quality 11

7.0 ENVIRONMENTAL DATABASE REVIEW 11
7.1 Federal ASTM Standard Databases 11
7.2 Utah State ASTM Standard Databases 12
7.2.1 UST Database 13
7.2.2 Other Databases 13
7.3 Orphan Sites 13

8.0 SITE RECONNAISSANCE 13
8.1 Underground Storage Tanks 13
8.2 Aboveground Storage Tanks 13

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Table of Contents Continued

8.3 Polychlorinated Biphenyls (PCBs) 14
8.4 Hazardous Substances 14
8.5 Waste Handling Practices 14

9.0 NON-SCOPE CONSIDERATIONS 14

9.1 Asbestos Containing Materials 14
9.2 Radon 15
9.3 Lead-Based Paint 15
9.4 Lead in Drinking Water 15

10.0 CONCLUSIONS 15

11.0 RECOMMENDATIONS 17

12.0 CLOSURE 17

TABLES

Table 1 Aerial Photographs 7
Table 2 Federal ASTM Standard Databases 12
Table 3 Utah State ASTM Standard Databases 12

APPENDICES

APPENDIX A
Figure 1 Location Map
Figures 2 - 5 Topographic Maps
Figures 6 - 10 Aerial Photographs - 1988
Figures 11 - 20 Aerial Photographs - 2004
Figures 21 - 30 Tax Maps
Figures 31 - 34 Mining Patent Maps

APPENDIX B Qualifications of Environmental Professionals
APPENDIX C Sources of Information
APPENDIX D Site Photographs
APPENDIX E Sanborn "No Coverage" Letters
APPENDIX F Bureau of Land Management Records
APPENDIX G Environmental Database Report
APPENDIX H Environmental Database Descriptions

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EXECUTIVE SUMMARY

SBI performed a Phase I Environmental Site Assessment for ten irregularly-shaped non-contiguous parcels of land totaling 1,535.82 acres located south of Vernal, Uintah County, Utah. Conclusions developed during the assessment follow:

1. The groundcover consists of native plants and grasses with exposures of rock formations. Numerous partially improved and unimproved roads cross the parcels. County Road 45 crosses Parcels 8 and 9. Parcels 1, 3, 4, 5, 6, 7, 9, and 10 are largely unimproved

2. A radio tower facility is located in Parcel 2. What appeared to be a former mine adit was observed in the northern section of Parcel 2. The entrance to the adit was framed with wood. The area about the adit was disturbed; however, no significant accumulation of mine tailings was observed about the adit. Sampling and analysis of previously generated mining waste was outside the scope of this assessment.

3. A pad-mounted transformer and associated power poles are located within Parcel 8. Parcel 8 contains an open-pit asphalt mine which is periodically operated. The mine includes an approximately 60 feet wide by 300 feet long by 15 feet deep excavation. Approximately one foot of water was present in the bottom of the excavation. The water appeared to be discolored by naturally occurring petroleum hydrocarbons. Near the excavation were five plastic aboveground storage tanks to contain water, and a roll-off storage shed. The storage shed was locked, preventing access. A limited amount of inert debris, including drill bits, was observed about the mining area.

4. Five plastic aboveground water storage tanks are present in Parcel 8, near the asphalt mining excavation.

5. Other than various limited mining operations, no significant development of the parcels is reported.

6. No current or previous uses of adjoining properties that would be considered recognized environmental conditions to the subject parcels were observed or reported.
7. The subject parcels are not listed in the federal and state environmental databases reviewed for this assessment.

8. The properties listed on the federal and state environmental databases are not considered recognized environmental conditions to the subject parcels.

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9. No indications of underground storage tanks were observed at the subject parcels.

10. Numerous mining patents have been obtained for the subject parcels.

11. Provided mining operations do not cause water to discharge from the subject parcels to waters of the State or to off-site properties, a storm water permit is likely not required.

12. Because the hydrocarbons present at the parcels are naturally occurring and are likely consistent with back-ground levels for the general area, under the current mining operations, no regulatory actions are likely applicable.

13. One pad-mounted transformer is present on Parcel 8. Based on past experience, it is likely the transformer is owned by and is the responsibility of Utah Power and Light. No indications of leaks were observed about the transformer.

14. Based on the scope of work performed for this assessment, it is SBI's professional opinion that no recognized environmental conditions have been identified in connection with the parcels that would warrant further environmental investigation at this time.

Based on the findings of this assessment, SBI recommends no further investigation. It is recommended that the mine adit be properly abandoned if the mine is not operated.

The executive summary is not intended to replace the information presented in the report of which it is an integral part. The executive summary should not be used separately from the report. The executive summary is provided solely as an overview and to summarize the primary recommendations and findings. The executive summary omits a number of details, any one of which could be crucial to the proper interpretation and application of the report and implementation of the recommendations.

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1.0 INTRODUCTION

This report presents the findings of a Phase I Environmental Site Assessment conducted for ten irregularly-shaped, non-contiguous parcels of land totaling 1,535.82 acres located south of Vernal, Uintah County, Utah. The locations of the parcels are shown on Figure 1, Location Map, (figures are presented in Appendix A). Qualifications of SBI personnel involved in the preparation of the assessment are presented in Appendix B.

The objective of this assessment is to identify, to the extent feasible pursuant to the processes prescribed in the ASTM Practice E 1527-00, "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*," recognized environmental conditions in connection with the property. Recognized environmental conditions, as defined by ASTM Practice E 1527-00, consist of:

> "...the presence or likely presence of hazardous substances or petroleum products on the property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

2.0 SCOPE OF WORK

2.1 Records Research

The following information was used to evaluate current and historic land use, the physical setting, and the possible presence of hazardous substances on or near the parcels (see Sources of Information, Appendix C):

- Aerial photographs, published maps, and available unpublished technical reports and site plan(s);
- U.S. Environmental Protection Agency (USEPA) and Utah Department of Environmental Quality (DEQ) databases (EDR, 2005), and applicable local regulatory agency records.

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2.2 Site Reconnaissance

A site reconnaissance was performed to identify recognized environmental conditions in connection with the parcels, specifically the use, treatment, storage, disposal, and/or generation of hazardous substances or petroleum products.

2.3 Interviews

When feasible, current owners and/or occupants and local government officials were interviewed to obtain information regarding recognized environmental conditions in connection with the parcels.

2.4 Interpretation and Report Preparation

Data obtained were evaluated and this report was prepared presenting the findings developed during the assessment.

3.0 SITE DESCRIPTION

Pertinent physical surface features associated with the parcels are shown on Figures 2, 3, 4, and 5, Topographic Maps. The parcels are located southwest, south, and southeast of Vernal, Utah along Asphalt Ridge, which trends northwest-southeast. Asphalt Ridge ranges in elevation from 4,870± feet (southeast part of the ridge) to 6,500± feet (northwest part of the ridge) above mean sea level.

3.1 Current Zoning and Legal Description

According to the Uintah County Planning and Zoning Department, the parcels are currently zoned MG-1, Mining and Grazing. The legal descriptions of the parcels, provided to SBI by Engineering Services, Inc. (Vernal, Utah) and the Uintah County Assessor's Office, are as follows:

Parcel 1

Lots 1 and 2 and the West ½ of the Northeast ¼ of Section 25, Township 4 South, Range 20 East, Salt Lake Base and Meridian, Uintah County, Utah. Enterprise No. 6 patented mining claim. Containing 151.55 acres.

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Parcel 2

Lots 1 and 2, the West ½ of the Northeast ¼ of the Northwest ¼, the Southeast ¼ of the Northeast ¼ of the Northwest ¼, and the Southeast ¼ of the Northwest ¼, of Section 30, Township 4 South, Range 21 East, Salt Lake Base and Meridian, Uintah County, Utah. Enterprise No. 5 patented mining claim. Containing 148.12 acres.

Parcel 3

The Southwest ¼ of the Northwest ¼, the Northwest ¼ of the Southwest ¼, and the East ½ of the Southwest ¼, of Section 4, Township 5 South, Range 21 East, Salt Lake Base and Meridian, Uintah County, Utah. Containing 160 acres.

Parcel 4

The West ½ of the Northwest ¼, the Southeast ¼ of the Northwest ¼, and the Southwest ¼ of the Northeast ¼, of Section 15, Township 5 South, Range 21 East, Salt Lake Base and Meridian, Uintah County, Utah. Containing 160 acres.

Parcel 5

The Southwest ¼ of Section 25, Township 5 South, Range 21 East, Salt Lake Base and Meridian, Uintah County, Utah. Cameron No. 7 patented mining claim. Containing 160 acres.

Parcel 6

Lots 9 and 10 and the West ½ of the Southeast ¼ of Section 25, Township 5 South, Range 21 East, Salt Lake Base and Meridian, Uintah County, Utah. Cameron No. 5 patented mining claim. Containing 160 acres.

Parcel 7

Lots 4 and 5 and the South ½ of the Northwest ¼ of Section 25, Township 5 South, Range 21 East, Salt Lake Base and Meridian, Uintah County, Utah. Cameron No. 8 patented mining claim. Containing 156.23 acres.

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Parcel 8

Lot 3, the Southwest ¼ of the Southeast ¼, and the East ½ of the Southwest ¼ of Section 31, Township 5 South, Range 22 East, Salt Lake Base and Meridian, Uintah County, Utah. Containing 159.92 acres.

Parcel 9

The North ½ of the Southeast ¼ and the Southeast ¼ of the Southeast ¼ of Section 31, Township 5 South, Range 22 East, Salt Lake Base and Meridian, Uintah County, Utah. Cameron No. 1 patented mining claim. Containing 120 acres.

Parcel 10

The Southwest ¼ of Section 32, Township 5 South, Range 22 East, Salt Lake Base and Meridian, Uintah County, Utah. Containing 160 acres.

3.2 Site Vicinity Characteristics

The subject parcels are located in a predominantly undeveloped area and are bordered by unimproved properties.

3.3 Description of Improvements and Current Utilization of the Site

SBI conducted a site reconnaissance on November 16, 2005. Photographs of the parcels are included in Appendix D. At the time of the site reconnaissance, the boundaries of the parcels were not marked. Site reconnaissance consisted of driving to select accessible areas along unimproved roads with a four-wheel drive vehicle and walking in some areas.

The groundcover consists of native plants and grasses with exposures of rock formations. Numerous partially improved and unimproved roads cross the parcels. County Road 45 crosses Parcels 8 and 9. Parcels 1, 3, 4, 5, 6, 7, 9, and 10 are unimproved.

A radio tower facility is located in Parcel 2. What appeared to be a former mine adit was observed in the northern section of Parcel 2. The entrance to the adit was framed

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with wood. The area about the adit was disturbed; however, no significant accumulation of mine tailings was observed about the adit.

A pad-mounted transformer and associated power poles are located within Parcel 8. Parcel 8 contains an open-pit asphalt mine which is periodically operated. The mine includes an approximately 60 feet wide by 300 feet long by 15 feet deep excavation. Approximately one foot of water was present in the bottom of the excavation. The water appeared to be discolored by naturally occurring petroleum hydrocarbons. Near the excavation were five plastic aboveground storage tanks to contain water, and a roll-off storage shed. The storage shed was locked, preventing access. A limited amount of inert debris, including drill bits, was observed about the mining area.

What appeared to be an aboveground water pipeline was observed in parcel 9, along County Road 45.

3.4 Previous Environmental Site Assessments

Previous environmental site assessment reports relevant to the parcels, if available, were not provided to SBI.

4.0 ENVIRONMENTAL SETTING

4.1 Geology

The parcels are located along Asphalt Ridge, south of Vernal, Utah. Asphalt Ridge is underlain primarily by the Brennan Basin Member of the Duchesne River Formation and to a lesser degree by the upper unit of the Mesaverde Group. The Brennan Basin Member consists of lithic sandstone and siltstone with minor amounts of mudstone and conglomerate. The Mesaverde Group consists of moderately resistant lenticular, cross-bedded sandstone with carbonaceous shale and thick coal beds. The areas about the base of Asphalt Ridge are underlain by alluvial sands and gravel (Sprinkel, 2004).

According to the Soil Survey of Uintah Area, Utah - Parts of Daggett, Grand, and Uintah Counties (2005), the subject parcels are underlain by soils of the following series:

- Clapper gravelly loam
- Hanksville silty clay loam
- Bandland-Rock outcrop complex
- Gerst-Rock outcrop complex

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- Abaracon loam
- Honlu very cobbly sandy loam
- Kilroy loam
- Nakoy loamy fine sand
- Nolava loam
- Reepo-Rock outcrop complex
- Riemod loam
- Solirec fine sandy loam
- Tipperary loamy fine sand
- Turzo loam
- Uffens loam
- Utaline very gravelly sandy loam
- Firstgap loam
- Greybull clay loam

4.2 Subsurface Hydrology

Vernal is located within Uinta Basin area which lies in south flank of the Uinta Mountains. Groundwater occurs in both unconsolidated and consolidated sediments and rock of which seven are considered to be of major importance (Hood and Fields, 1978).

No wells were observed during the site reconnaissance; several springs were present, particularly in Parcel 8. The State of Utah Department of Water Rights database was reviewed to obtain information regarding water wells present on the parcels. The database indicated no wells on the parcels.

According to the USEPA Sole Source Aquifer Protection Program, National Summary of Sole Source Aquifer Designations, the parcels do not overlie a sole source aquifer.

4.3 Surface Water Bodies

Several intermittent streams are present within the parcels. The nearest significant surface water body is the Green River, located approximately 6,000 feet to the south of Parcels 8, 9, and 10.

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4.4 Flood Plain Designation

Flood Insurance Rate Maps, published by the Federal Emergency Management Agency (FEMA) were reviewed. According to Panel Number 490147 0014 C, dated February 1, 1986 and Panel Number 490147 0018 B, dated October 10, 1977, the subject parcels are situated in Zone X. Flood Zone X regions consist of areas determined to be outside of the 100 and 500 year flood plains.

5.0 PRIOR SITE USE

Past utilization of the parcels were evaluated by review of historic aerial photographs. Other than various limited mining operations, no significant development of the parcels is reported. According to the Uintah County Assessor's Office, the parcels are owned by Asphalt Ridge, Inc.

5.1 Aerial Photograph Review

Aerial photographs reviewed for this assessment are summarized in Table 1. Photographs were obtained from the Uintah County GIS Department and the Natural Resources Conservation Services (NRCS). The 1988 aerial photographs are presented as Figures 6 through 10; the 2004 aerial photographs are presented as Figures 11 through 20 (Appendix A). 1988 aerial photographs were not available for Parcels 8, 9, and 10.

Table 1 - Aerial Photographs

Year of Photographs	Source	Photograph Nos.	Scale
1988	Uintah County	1988 Series	Varies
2004	Uintah County	2004 Series	Varies
2005	NRCS	2005 Series	1:14,400

Findings of the review follow:

1988 Photographs: Permanent structures were not observed on the parcels; numerous unimproved roads were present throughout the parcels. An area of disturbed soil was observed in the northeast corner of Parcel 1.

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The Vernal NW, Utah topographic quadrangle indicated this area as a gravel pit.

Neighboring parcels were also depicted as largely unimproved. The facilities of an asphalt plant (Crown Asphalt) were present approximately 1,625 feet southeast of the southeast corner of Parcel 2. A water tower was present approximately 500 feet north of the northeast corner of Parcel 4.

2004 Photographs: The subject parcels and adjacent properties were essentially unchanged and similar to conditions noted in the 1988 photographs. County Road 45 was present in Parcels 8 and 9.

2005 Photographs: The subject parcels and adjacent properties were essentially unchanged and similar to conditions noted in the 2004 photographs.

Review of aerial photographs indicates that the parcels have been generally unimproved since at least 1988. No previous uses of adjoining properties that would be considered recognized environmental conditions to the subject parcels were indicated.

5.2 City Directories

City directories identify the name of individuals and/or companies that have occupied a given address. City directories are generally maintained at libraries and provide useful information regarding historic property use. SBI attempted to review city directories at the Uintah County Public Library. The reference librarian indicated that the library does not maintain a collection of city directories.

5.3 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps show the location and use of structures on a property at a given point in time. These maps were widely available for areas that were significantly developed during the late 1800s through the 1950s, though coverage exists for some areas through the 1970s. According to research conducted by Environmental Data Resources, Inc., Sanborn coverage is not available for the subject area. Copies of the "No Coverage" letters are included in Appendix E.

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6.0 INTERVIEWS AND REQUESTS FOR INFORMATION

Individuals or governmental agencies possessing possible information regarding the parcels were interviewed; when information was not immediately available, requests were submitted to obtain the information.

6.1 Current and Past Owners and Occupants

SBI was not provided contact information for current or past owners of the parcels; therefore, no interviews were conducted.

6.2 Uintah County Offices

SBI contacted the following Uintah County offices to obtain information regarding the subject parcels:

- Several phone calls were made to the Fire Chief Dennis Paulson of the Uintah County Volunteer Fire Department. As of the date of this report, Fire Chief Paulson has not returned our phone calls.

- The offices of the Uintah County Assessor and Recorder provided Tax Maps of the subject parcels. Copies of the Tax Maps are presented as Figures 21 through 30.

6.3 State of Utah Division of Oil, Gas, and Mining

The State of Utah Division of Oil, Gas, and Mining was contacted to obtain information regarding mining operations at the parcels. Ms. Joelle Burns indicated that the Division had record of permits at the following locations, which are not necessarily part of the parcels:

- Section 25, Township 4 South, Range 20 East: Permit for Wembco, Inc. This permit has been retired and the file has been archived (file #S/047/039).

- Section 4, Township 5 South, Range 21 East: Proposed application permit from Black Sands Energy (file #S/047/080)

- Section 31, Township 5 South, Range 22 East: Permit for Asphalt Ridge, Inc. (file #S/047/036)

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- Section 32, Township 5 South, Range 22 East: Permit for Ralph Simpson. This permit is for surface rock, not tar sand (file #S/047/078) I don't think I said this.

Mr. Paul Baker of the Division indicated that an abandoned mine inventory of the Vernal area has not been completed. Mr. Baker indicated that he had personal knowledge of the mine adit in the northern section of Parcel 2, but the Division has no record of past operations associated with the mine.

6.4 United States Department of the Interior, Bureau of Land Management, Division of Lands and Minerals

The Bureau of Land Management (BLM) was contacted to obtain available information regarding mining operations at the subject parcels. Mr. Pete Socalatski of the BLM provided the following documents, copies of which are included in Appendix F:

- Utah Enabling Act - July 16, 1894
- Public Land Order 4522, Withdrawal for Oil Shale - September 13, 1968
- Placer Mining Patent (1229921) for Parcel 1, obtained by the Sohio Petroleum Company on December 6, 1962
- Mining Patent (528164) for Parcel 3, obtained by Franklin A. Pope on January 25, 1916
- Mining Patent (43-85-0021) for Parcel 5 (Cameron No. 7), obtained by the Sohio Oil Shale Company on July 3, 1985
- Mining Patent (43-85-0019) for Parcel 6 (Cameron No. 5), obtained by the Sohio Oil Shale Company on July 3, 1985
- Mining Patent (43-85-0020) for Parcel 7 (Cameron No. 8), obtained by the Sohio Oil Shale Company on July 3, 1985
- Mining Patent (537466) for Parcel 8, obtained by John T. Pope on February 10, 1916
- Mining Patent (43-85-0022) for Parcel 9 (Cameron No. 1), obtained by the Sohio Oil Shale Company on July 3, 1985

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The BLM provided copies of maps depicting the patents and associated properties. Copies of the maps are presented as Figures 31 through 34.

6.5 State of Utah Department of Water Quality

The State of Utah Department of Water Quality (DWQ) was contacted to obtain information regarding the presence of natural occurring petroleum hydrocarbons in contact with surface water in the asphalt mining excavation in Parcel 8. Mr. Matt Garn of the DWQ indicated that provided the mining operations do not cause water to discharge from the parcels to waters of the State or to off-site properties, a storm water permit is likely not required.

Because the hydrocarbons present at the parcels are naturally occurring and are likely consistent with back-ground levels for the general area, under the current mining operations, no regulatory action is likely applicable .

7.0 ENVIRONMENTAL DATABASE REVIEW

Environmental databases identify sites that may have impaired the environment due to past or present property use. Federal and Utah State ASTM Standard and Supplemental Databases (EDR, 2005), were reviewed to evaluate whether property use at the site and/or surrounding parcels represent environmental impairments. Search areas are defined in ASTM Practice E 1527-00 and were expanded by one-half mile for this assessment. A total of five searches were necessary to cover the subject parcels. The databases are included in Appendix G. A description of each database is presented in Appendix H.

7.1 Federal ASTM Standard Databases

Table 2 summarizes Federal ASTM Standard databases reviewed, the search area, and the number of sites identified within the particular search radius. No sites were identified in the databases.

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Table 2 - Federal ASTM Standard Databases

Database	Radius Search (miles)	Number of Sites Identified
National Priority List (NPL)	1.0	0
Proposed National Priority List (PNPL)	1.0	0
Delisted National Priority list (DNPL)	1.0	0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	0.5	0
Comprehensive Environmental Response, Compensation, and Liability Information System - No Further Action Planned (CERC-NFRAP)	0.25	0
Corrective Action Sites (CORRACTS)	1.0	0
Resource Conservation and Recovery Act Information System, Treatment, Storage, and Disposal (RCRA-TSD)	0.5	0
Resource Conservation and Recovery Act Information System (RCRA), Large Quantity Generators (LQG)	0.25	0
Resource Conservation and Recovery Act Information System (RCRA), Small Quantity Generators (SQG)	0.25	0
Emergency Response Notification System (ERNS)	Target Property	Not Identified

7.2 Utah State ASTM Standard Databases

Utah ASTM Standard databases evaluated, the search area, and the numbers of sites identified within the particular search radii are presented in Table 3. One site was identified in the databases.

Table 3 - Utah State ASTM Standard Databases

Database	Radius Search (miles)	Number of Sites Identified
Solid Waste Facilities (SWF)/Landfill Sites	0.5	0
Leaking Underground Storage Tanks (LUST)	0.5	0
Underground Storage Tanks (UST)	0.25	1

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7.2.1 UST Database

The State of Utah Underground Storage Tank (UST) database is a summary listing of all registered active and inactive underground storage tanks located within the State of Utah.

The database indicates that one UST site is present within the search radius. The UST facility is identified as U.S. West 673777, with a listed address of four miles southwest of Vernal. The UST site is located approximately 5,500 feet west of Parcel 3. Based on the distance from the subject parcels and because the UST is not identified as a leaking UST facility, the U.S. West 673777 UST site is not considered a recognized environmental condition to the subject parcels.

7.2.2 Other Databases

Other state environmental databases not required by ASTM Practice E- 1527-00 were reviewed (Appendix G). No facilities were identified within the specified search radii.

7.3 Orphan Sites

Orphan sites are facilities for which an exact location could not be determined. SBI reviewed the list of orphan sites and determined that none are located within the specified search radii.

8.0 SITE RECONNAISSANCE

A site reconnaissance was performed to identify recognized environmental conditions in connection with the parcels, specifically the use, treatment, storage, disposal, and/or generation of hazardous substances or petroleum products.

8.1 Underground Storage Tanks

No indications of USTs were observed at the parcels.

8.2 Aboveground Storage Tanks

Two-500 gallon aboveground storage tanks, two-1500 gallon aboveground storage tanks, and a 1700 gallon aboveground storage tank were observed near the asphalt mining excavation in Parcel 8. The tanks are constructed on plastic and are used to

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store water. No indication of hazardous materials or petroleum product storage was associated with the tanks.

8.3 Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls (PCBs) are toxic coolants or lubricating oils that were widely used in electrical transformers, light ballasts, electrical panels, and other similar electrical and hydraulic equipment. The manufacture of PCBs was banned in 1979.

One pad-mounted transformer is present at on Parcel 8. The transformer is contained within a fenced area, which prevented access. Based on past experience, it is likely the transformer is owned by and is the responsibility of Utah Power and Light. No indications of leaks were observed about the transformer. As such, the transformer is not considered a recognized environmental condition to the subject parcels.

8.4 Hazardous Substances

No indications of hazardous substances were observed at the time of site reconnaissance.

8.5 Waste Handling Practices

Waste is not currently generated at the subject parcels. Sampling and analysis of previously generated mining waste was outside the scope of this assessment. Significant quantities of mining waste were not observed during the site reconnaissance.

9.0 NON-SCOPE CONSIDERATIONS

Asbestos, lead-based paint, and lead in drinking water were considered as part of the assessment, although consideration is not required for appropriate inquiry as defined by ASTM Practice E 1527-00. Comprehensive surveys were not conducted.

9.1 Asbestos Containing Materials

Because no permanent structures, with the exception of the radio tower facility located in Parcel 2 and a pad-mounted transformer and associated power poles present in Parcel 8 are present at the site, asbestos containing materials (ACM) are not considered a significant concern at the subject parcels.

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9.2 Radon

According to the U.S. EPA Map of Radon Zones in Utah, the parcels are located in Radon Zone 1, which has a predicted average indoor screening level of greater than 4 picocuries per liter (pCi/L). The USEPA action level for radon is 4 pCi/L. Because no residential structures are present, radon is not considered a significant concern.

9.3 Lead-Based Paint

Because no residential structures are present, lead-based paint is not considered a significant concern.

9.4 Lead in Drinking Water

Drinking water is not currently provided to the subject parcels.

10.0 CONCLUSIONS

Conclusions developed during the assessment follow:

1. The subject property consists of ten irregularly-shaped, non-contiguous parcels of land totaling 1,535.82 acres located southwest, south, and southeast of Vernal, Uintah County, Utah.

2. The groundcover consists of native plants and grasses with exposures of rock formations. Numerous partially improved and unimproved roads cross the parcels. County Road 45 crosses Parcels 8 and 9. Parcels 1, 3, 4, 5, 6, 7, 9, and 10 are largely unimproved.

3. A radio tower facility is located in Parcel 2. What appeared to be a former mine adit was observed in the northern section of Parcel 2. The entrance to the adit was framed with wood. The area about the adit was disturbed; however, no significant accumulation of mine tailings was observed about the adit. Sampling and analysis of previously generated mining waste was outside the scope of this assessment.

4. A pad-mounted transformer and associated power poles are located within Parcel 8. Parcel 8 contains an open-pit asphalt mine which is periodically operated. The mine includes an approximately 60 feet wide by 300 feet long by 15 feet deep excavation. Approximately one foot of water was present in the

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bottom of the excavation. The water appeared to be discolored by naturally occurring petroleum hydrocarbons. Near the excavation were five plastic aboveground storage tanks to contain water, and a roll-off storage shed. The storage shed was locked, preventing access. A limited amount of inert debris, including drill bits, was observed about the mining area.

5. Five plastic aboveground water storage tanks are present in Parcel 8, near the asphalt mining excavation.

6. Other than various limited mining operations, no significant development of the parcels is reported.

7. No current or previous uses of adjoining properties that would be considered recognized environmental conditions to the subject parcels were observed or reported.

8. The subject parcels are not listed in the federal and state environmental databases reviewed for this assessment.

9. The properties listed on the federal and state environmental databases are not considered recognized environmental conditions to the subject parcels.

10. No indications of underground storage tanks were observed at the subject parcels.

11. Numerous mining patents have been obtained for the subject parcels.

12. Provided mining operations do not cause water to discharge from the subject parcels to waters of the State or to off-site properties, a storm water permit is likely not required.

13. Because the hydrocarbons present at the parcels are naturally occurring and are likely consistent with back-ground levels for the general area, under the current mining operations, no regulatory actions are likely applicable.

14. One pad-mounted transformer is present on Parcel 8. Based on past experience, it is likely the transformer is owned by and is the responsibility of Utah Power and Light. No indications of leaks were observed about the transformer.

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15. Based on the scope of work performed for this assessment, it is SBI's professional opinion that no recognized environmental conditions have been identified in connection with the parcels that would warrant further environmental investigation at this time.

11.0 RECOMMENDATIONS

Based on the findings of this assessment, SBI recommends no further investigation. It is recommended that the mine adit be properly abandoned if the mine is not operated.

12.0 CLOSURE

This Environmental Site Assessment was performed in general accordance with the scope and limitations of ASTM Practice E 1527-00 for ten irregularly-shaped, non-contiguous parcels of land totaling 1,535.82 acres located southwest, south, and southeast of Vernal, Uintah County, Utah. Any exceptions to, or deletions from, this practice are described in Section 2.0 of this report, Scope of Services. SBI makes no other warranty, either express or implied.

The records search was limited to information available from public sources; this information is changing continually and is frequently incomplete. Unless SBI has actual knowledge to the contrary, information obtained from interviews or provided to SBI by government agencies has been assumed to be correct and complete. SBI does not assume any liability for misrepresentation of information or for items not visible, accessible, or present on the property at the time of the site visit.

There is no investigation which is thorough enough to preclude the presence of materials at a property which presently, or in the future, may be considered hazardous. Because regulatory evaluation criteria are constantly changing, concentrations of contaminants present and considered to be acceptable may, in the future, become subject to different regulatory standards and require remediation.

Opinions and judgments expressed herein, which are based on SBI's understanding and interpretation of current regulatory standards, should not be construed as legal opinions. This document and the information contained herein have been prepared solely for the use of Engineering Services, Inc. Any reliance on this report by third parties shall be at such person and/or company's sole risk. The opportunity to be of service on this project is appreciated.

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APPENDIX A

FIGURES

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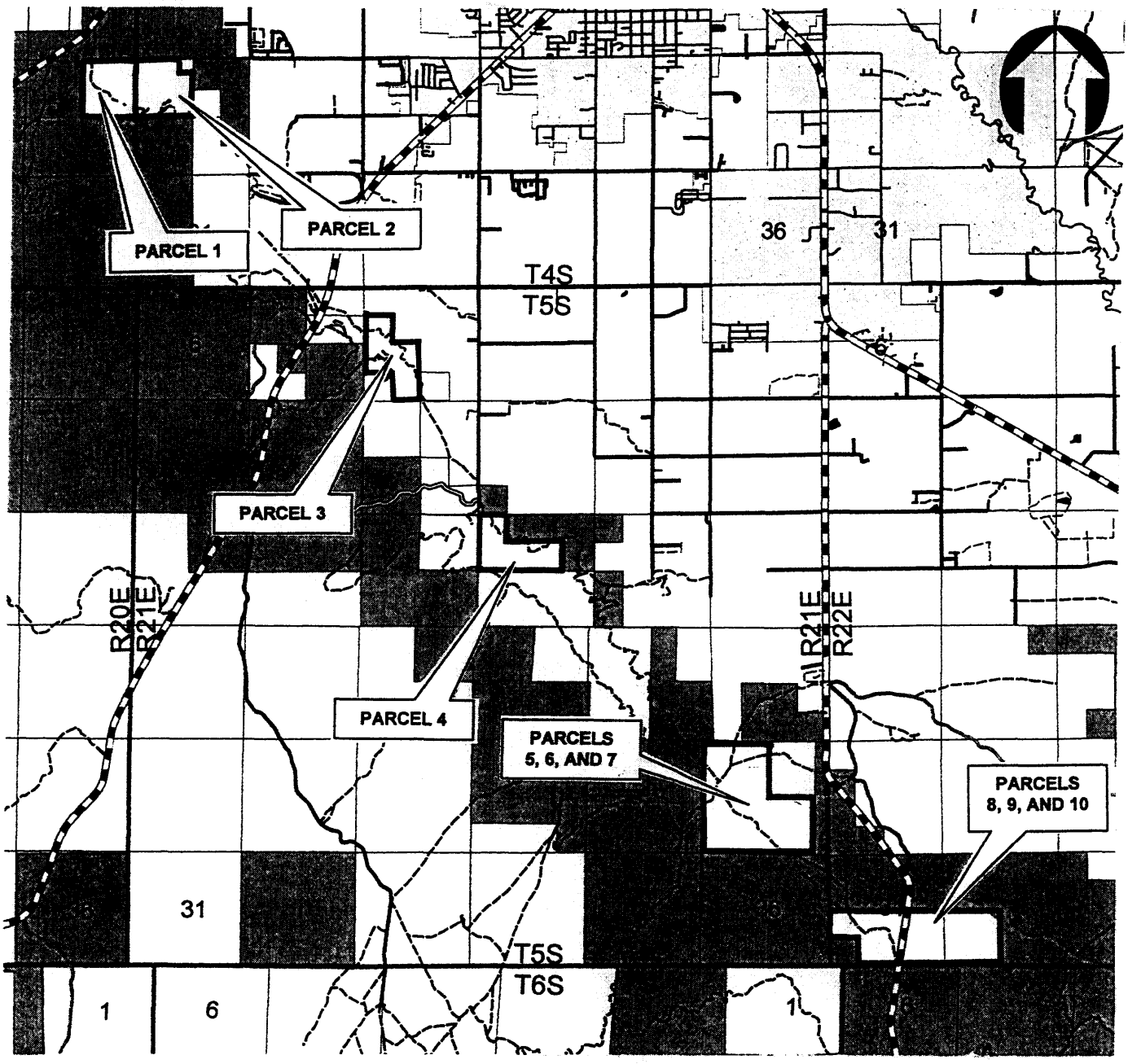

Reference: Uintah County GIS

LOCATION MAP

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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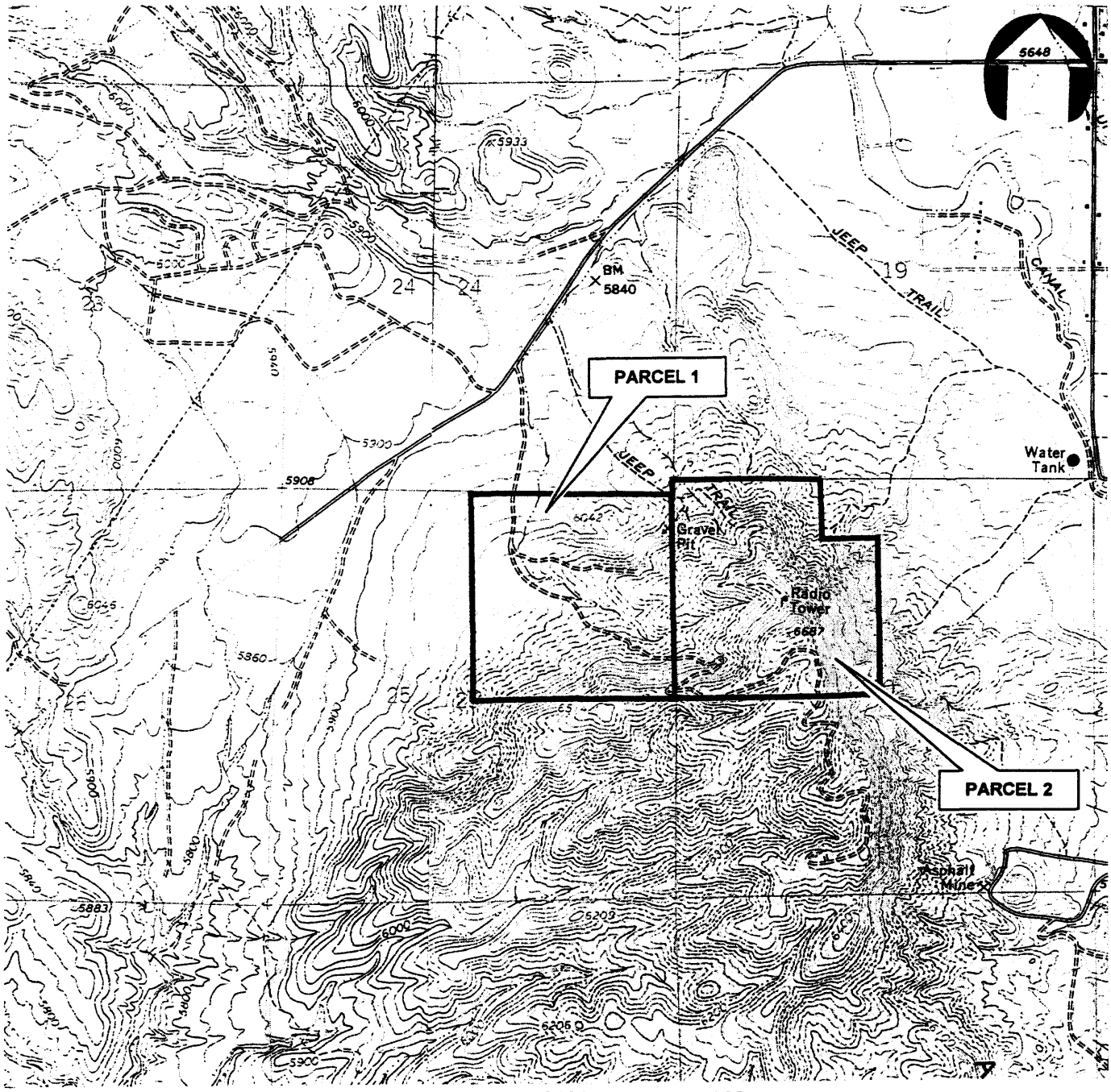
Figure No.
1

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



Reference: Portions of the Vernal NE, Utah (1978) and Vernal NW, Utah (1978) topographic quadrangles

TOPOGRAPHIC MAP - PARCELS 1 AND 2

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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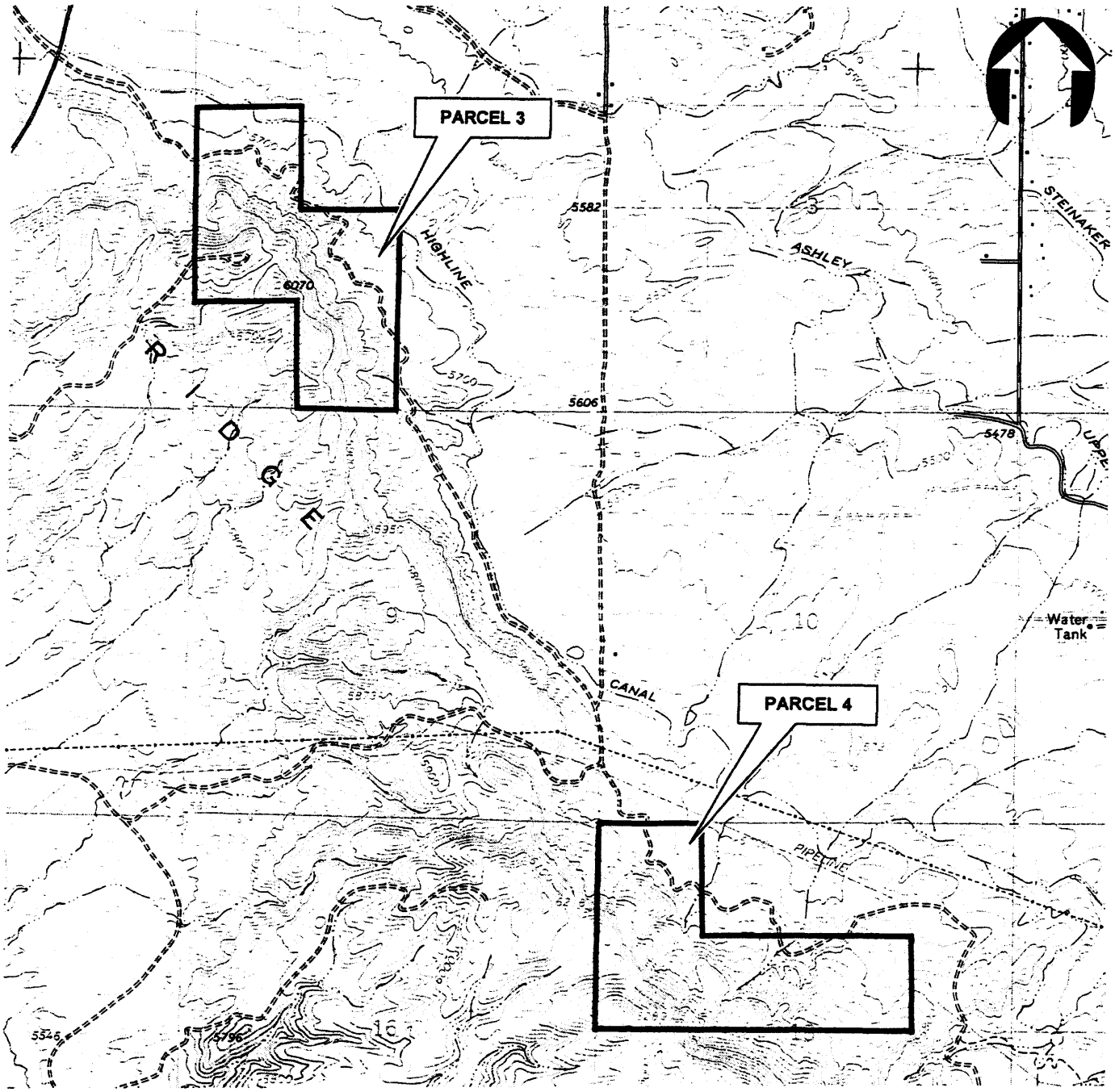
Project No.
1-05-473

Figure No.
2

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



Reference: Portion of the Vernal NE, Utah (1978) topographic quadrangle

TOPOGRAPHIC MAP - PARCELS 3 AND 4

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No. 3

Geologic, Environmental, and Geotechnical Consultants
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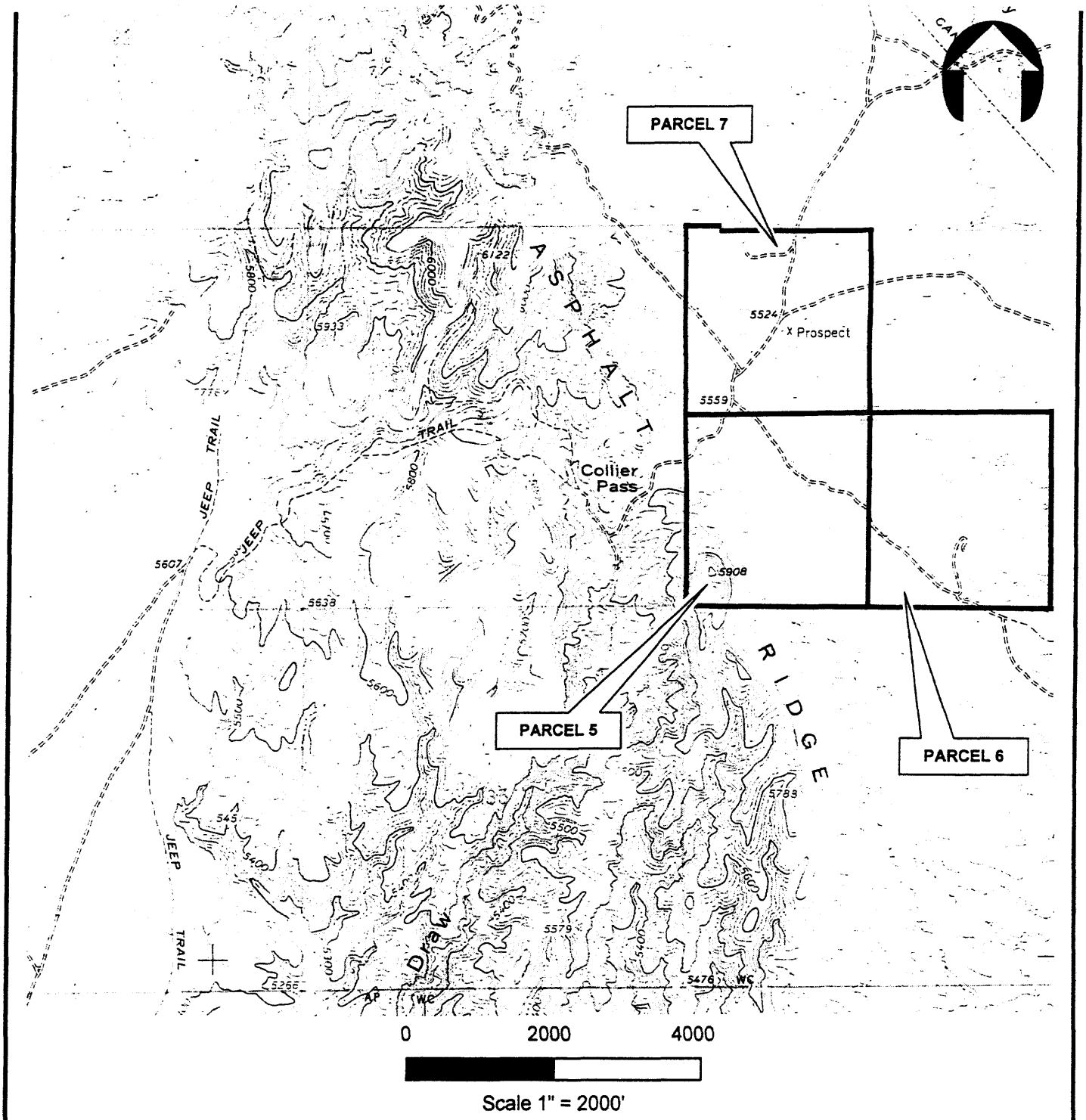

Reference: Portion of the Vernal SE, Utah (1978) topographic quadrangle

TOPOGRAPHIC MAP - PARCELS 5, 6, AND 7

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
4

Geologic, Environmental, and Geotechnical Consultants
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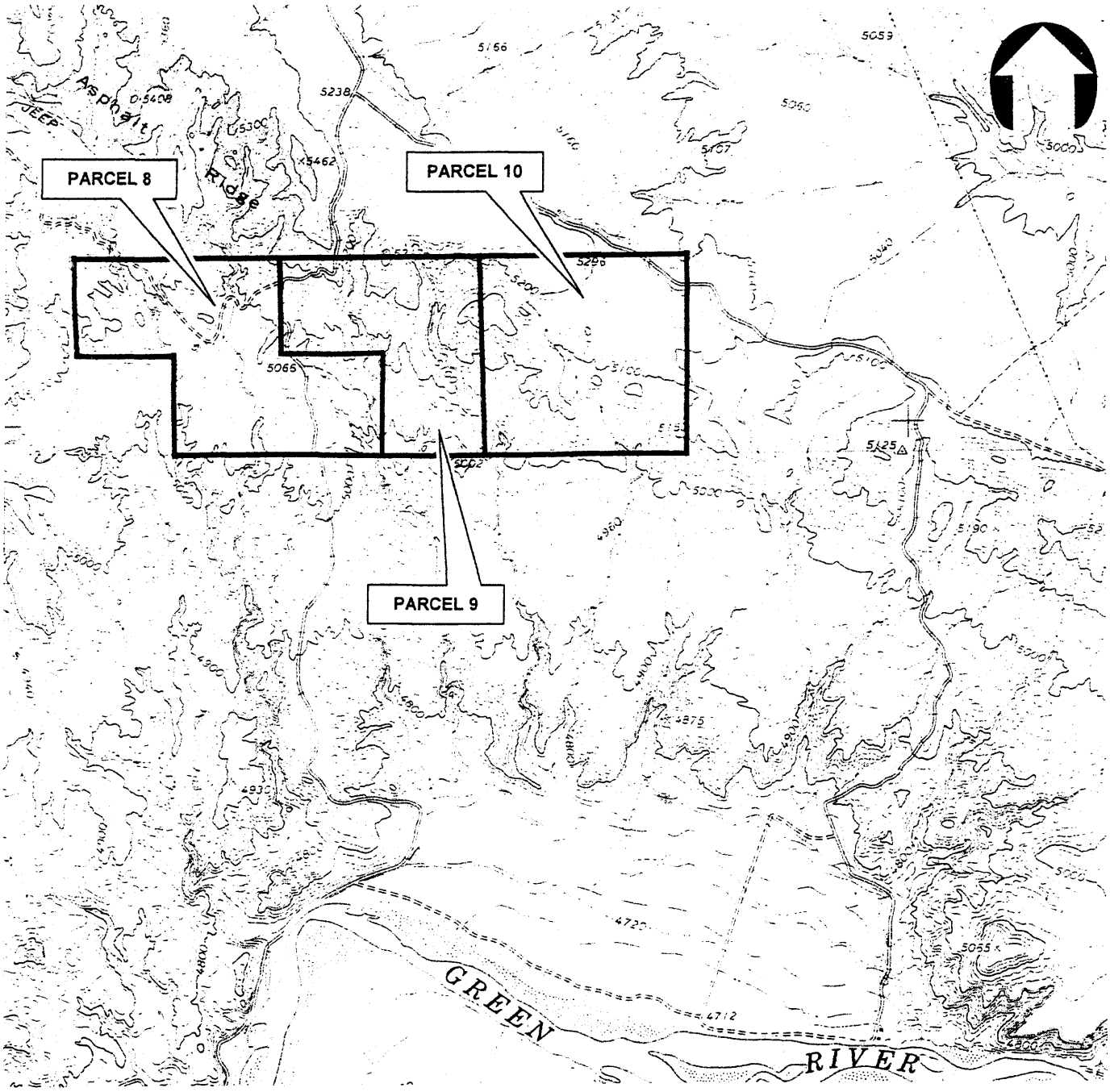

Reference: Portion of the Rasmussen Hollow, Utah (1978) topographic quadrangle

TOPOGRAPHIC MAP - PARCELS 8, 9, AND 10

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
5

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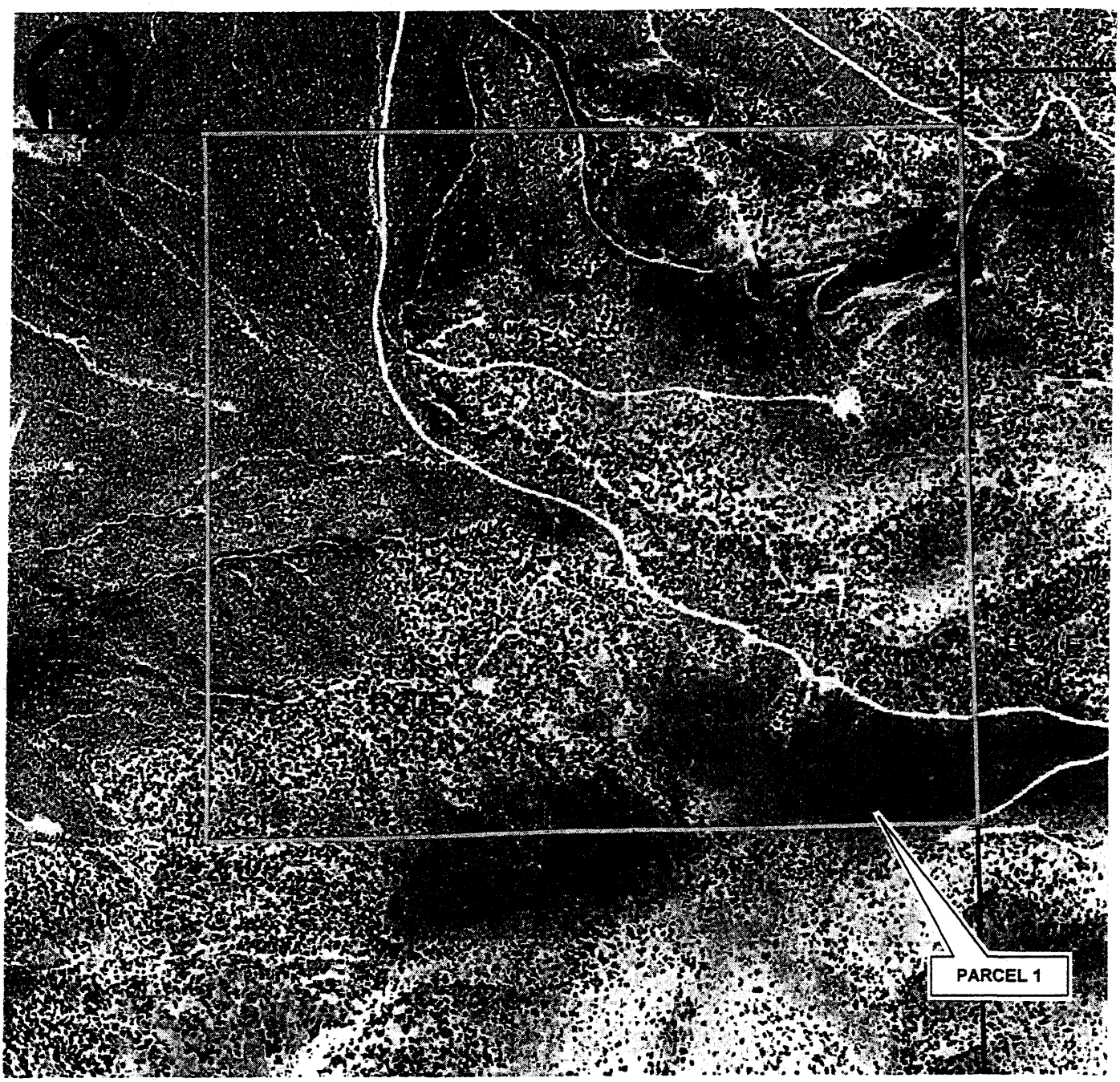

0 500 1000

Scale 1" = 500'

Reference: Uintah County GIS

1988 AERIAL PHOTOGRAPH - PARCEL 1

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Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.

6

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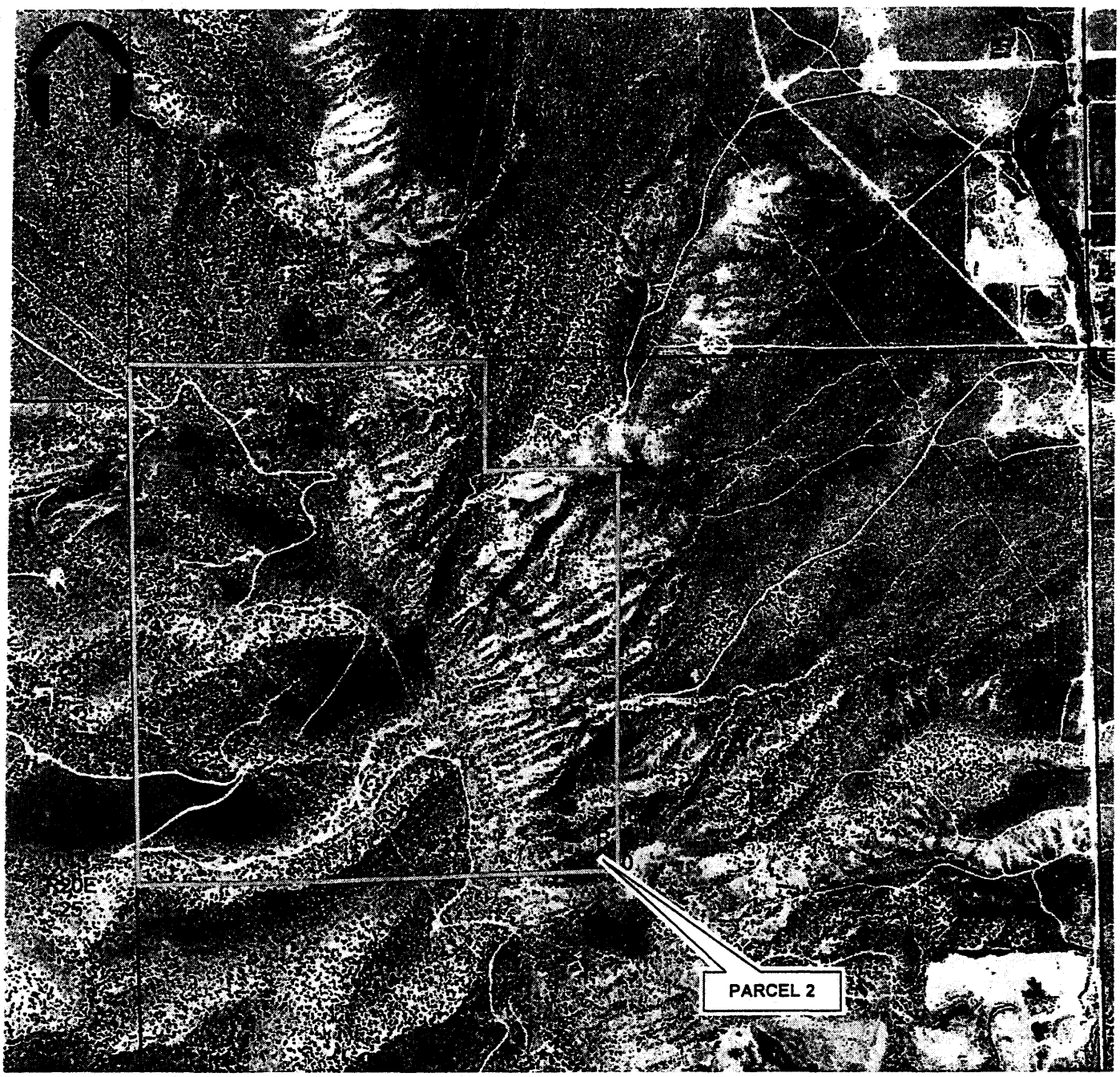
Simon · Bymaster Inc.



0 825 1650

Scale 1" = 825'

Reference: Uintah County GIS

1988 AERIAL PHOTOGRAPH - PARCEL 2

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
7

Geologic, Environmental, and Geotechnical Consultants
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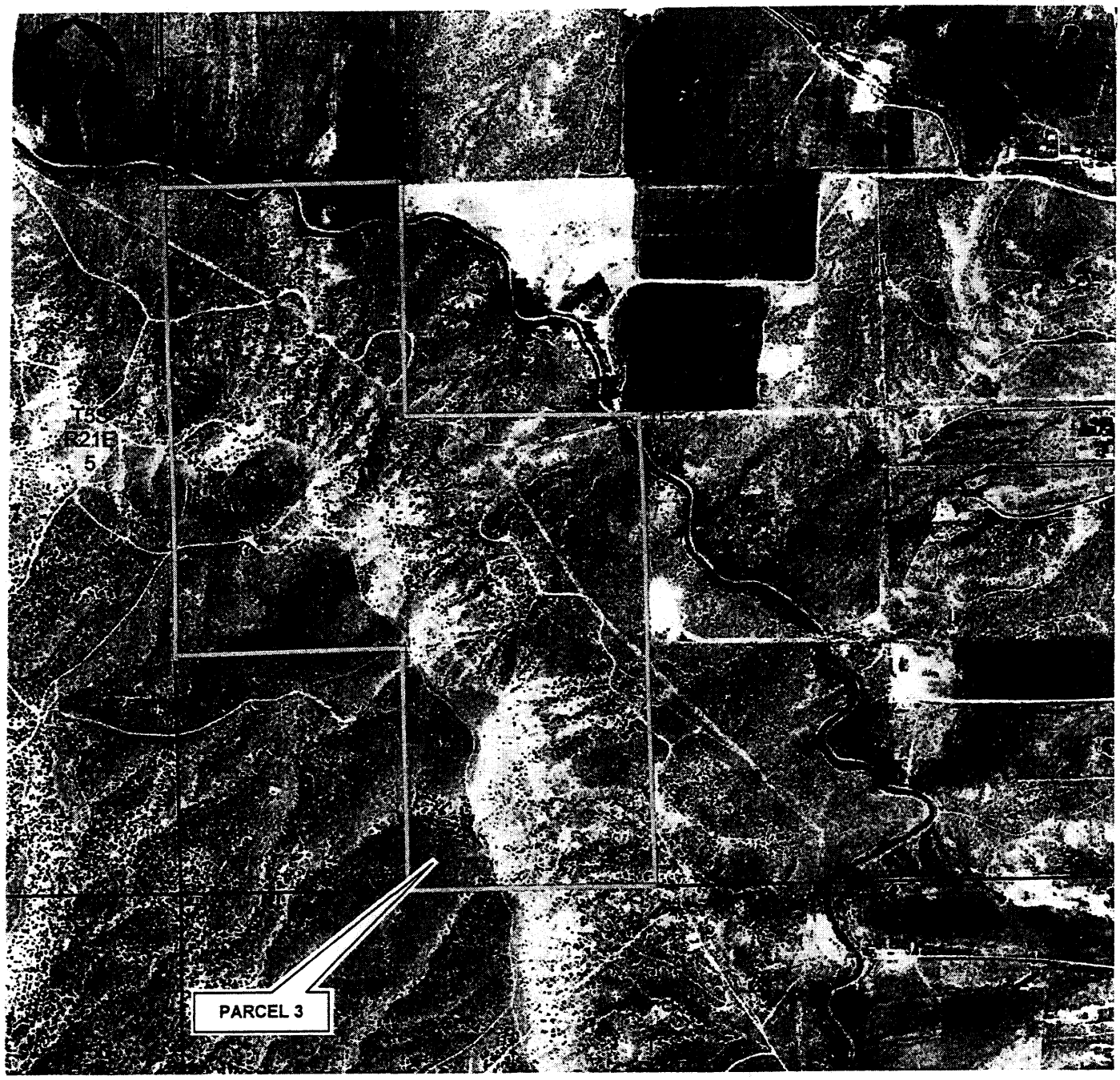

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Scale 1" = 800'

Reference: Uintah County GIS

1988 AERIAL PHOTOGRAPH - PARCEL 3

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
8

Geologic, Environmental, and Geotechnical Consultants
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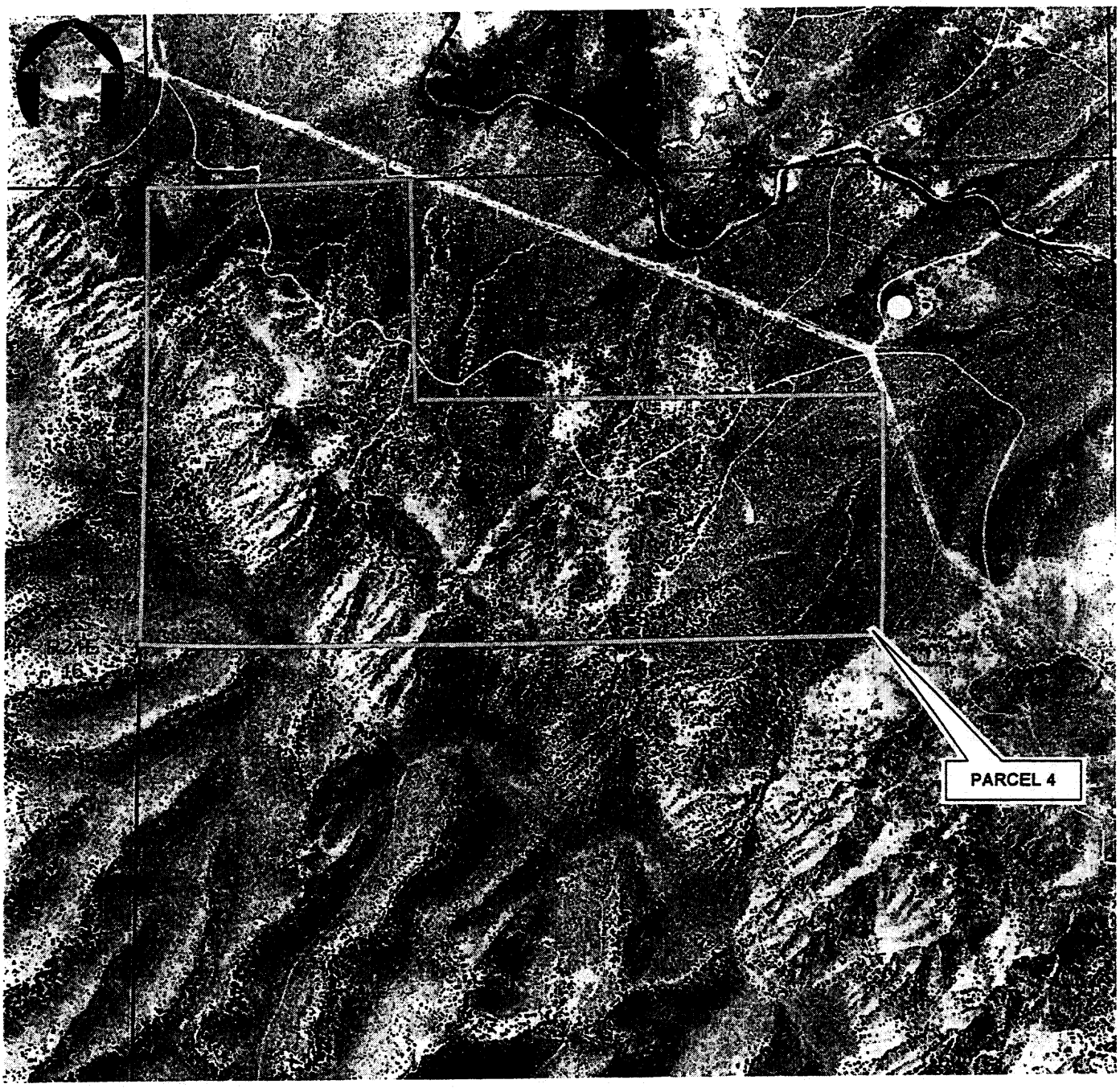

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Scale 1" = 850'

Reference: Uintah County GIS

1988 AERIAL PHOTOGRAPH - PARCEL 4

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
9

Geologic, Environmental, and Geotechnical Consultants
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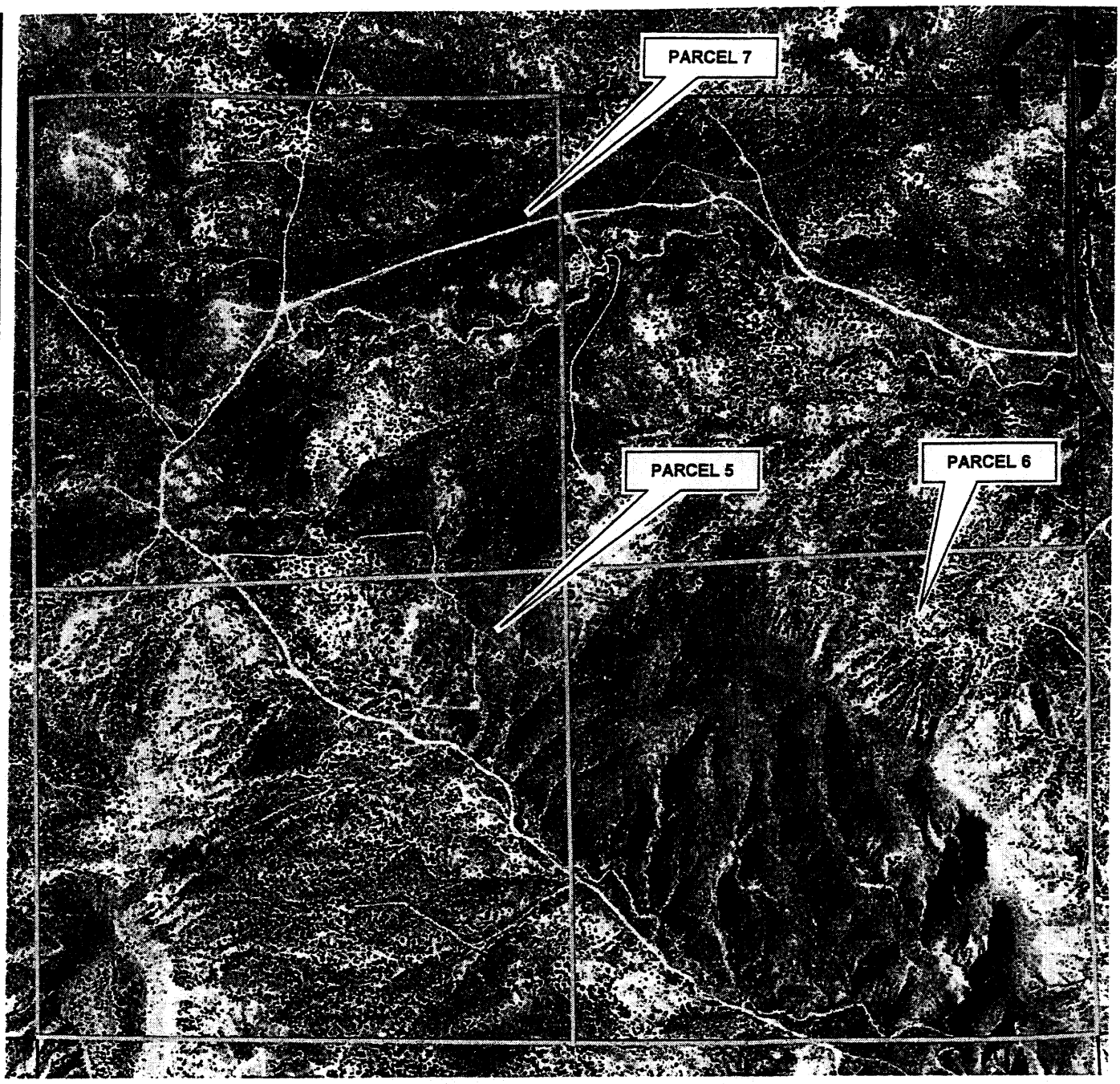

0 725 1450

Scale 1" = 725'

Reference: Uintah County GIS

1988 AERIAL PHOTOGRAPH - PARCELS 5, 6, AND 7

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
10

Geologic, Environmental, and Geotechnical Consultants
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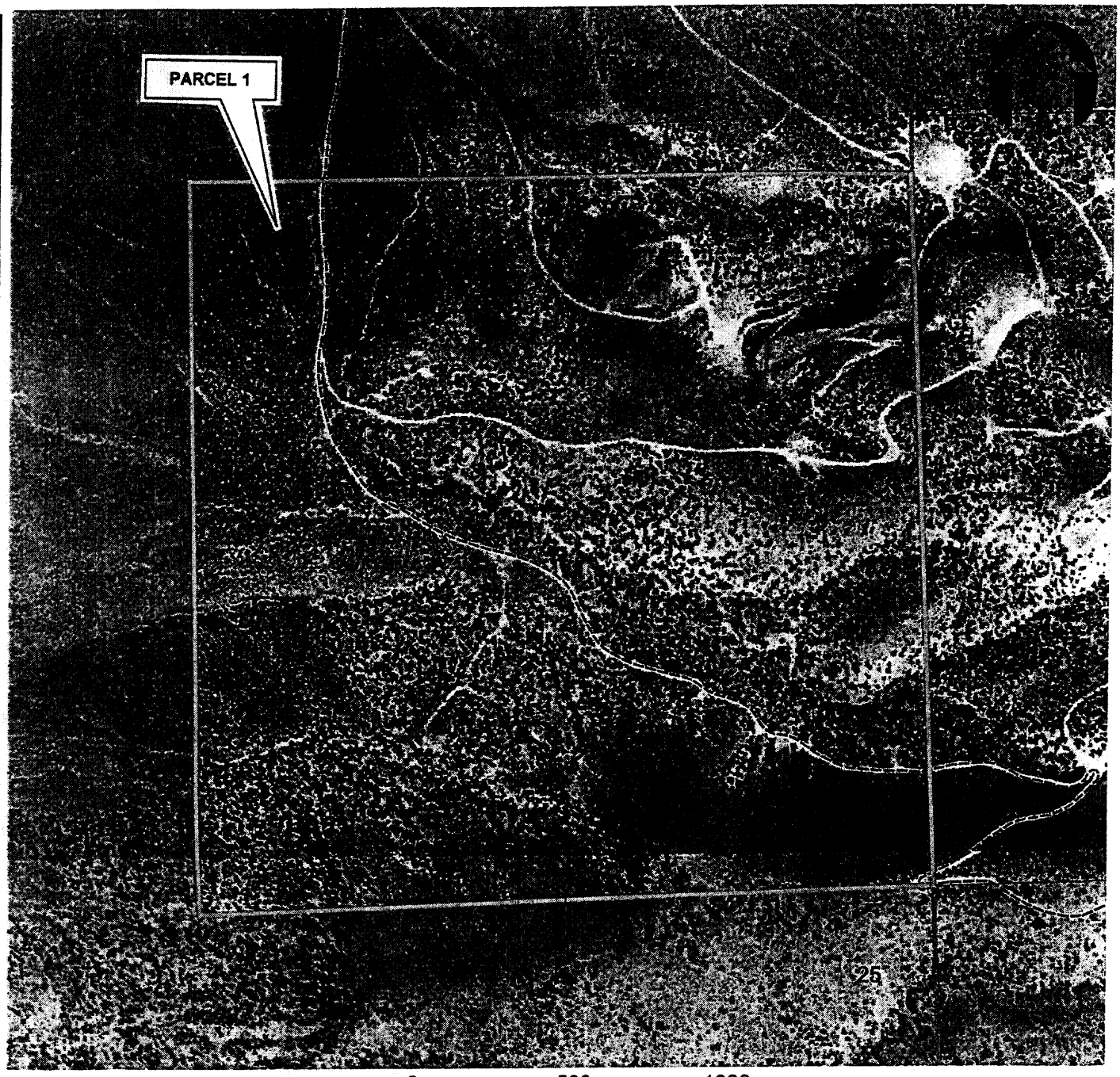

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Scale 1" = 500'

Reference: Uintah County GIS

2004 AERIAL PHOTOGRAPH - PARCEL 1

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
11

Geologic, Environmental, and Geotechnical Consultants
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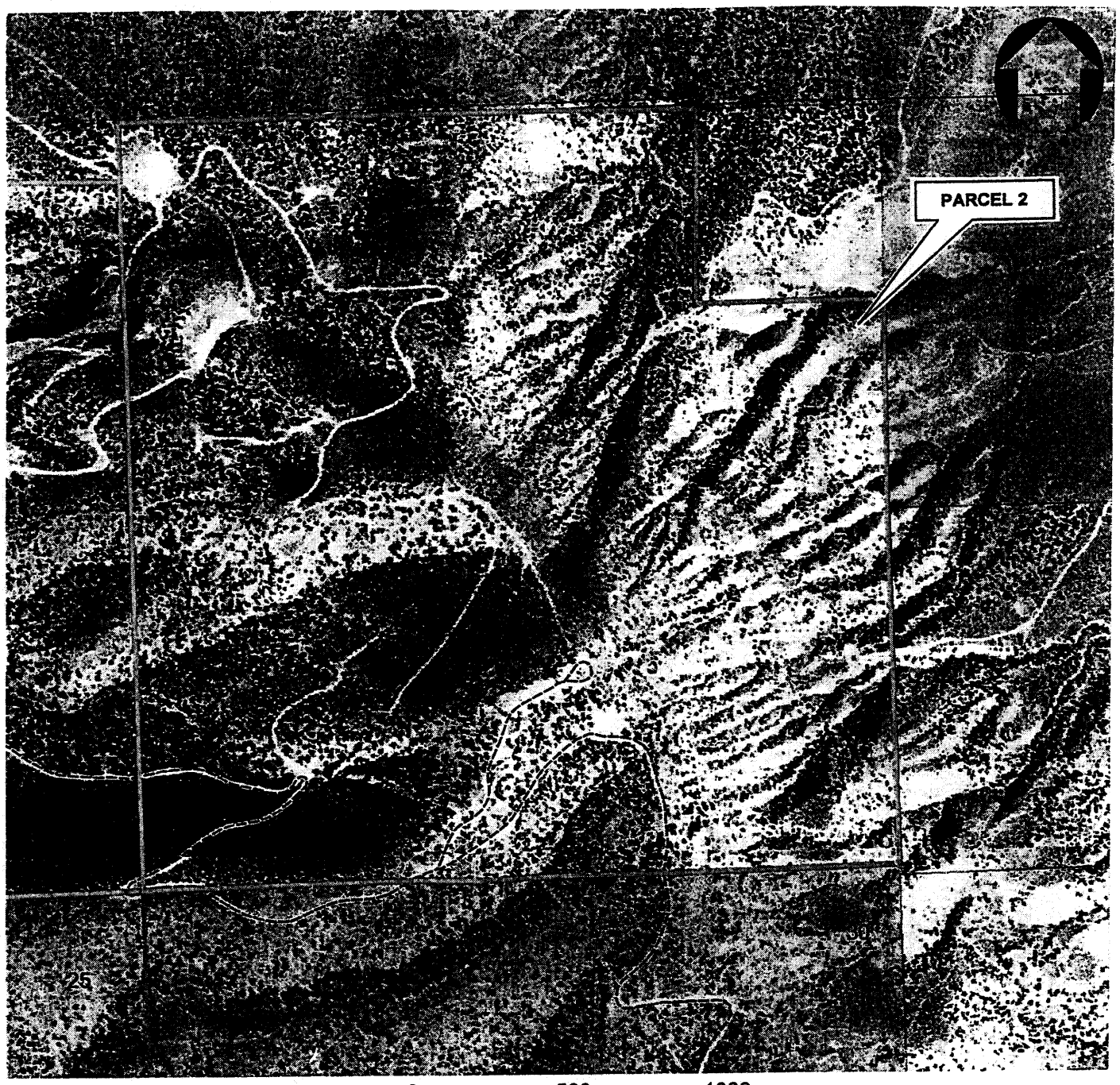

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Scale 1" = 500'

Reference: Uintah County GIS

2004 AERIAL PHOTOGRAPH - PARCEL 2

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
12

Geologic, Environmental, and Geotechnical Consultants
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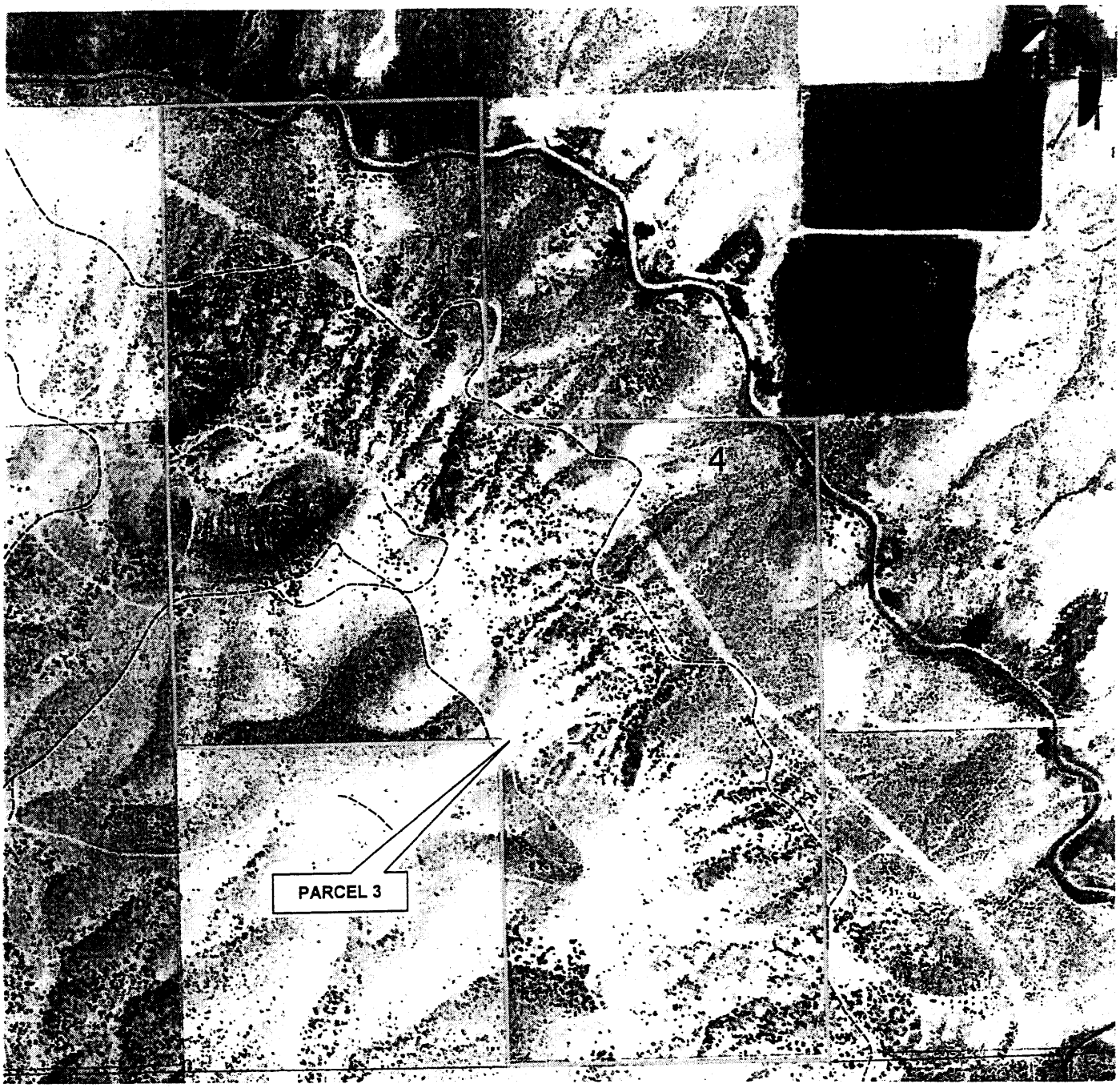

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Scale 1" = 600'

Reference: Uintah County GIS

2004 AERIAL PHOTOGRAPH - PARCEL 3

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
13

Geologic, Environmental, and Geotechnical Consultants
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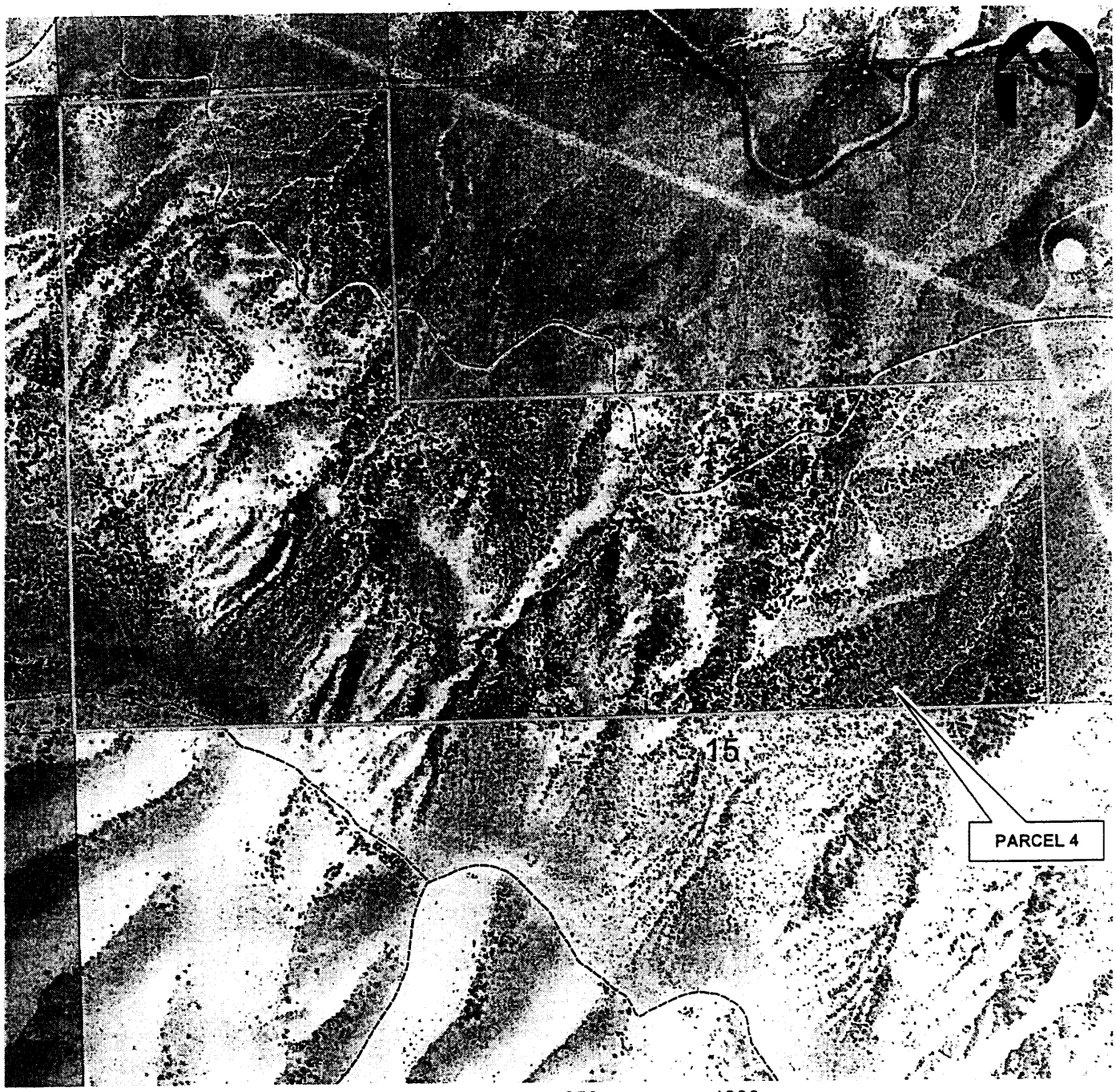

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Scale 1" = 650'

Reference: Uintah County GIS

2004 AERIAL PHOTOGRAPH - PARCEL 4

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
14

Geologic, Environmental, and Geotechnical Consultants
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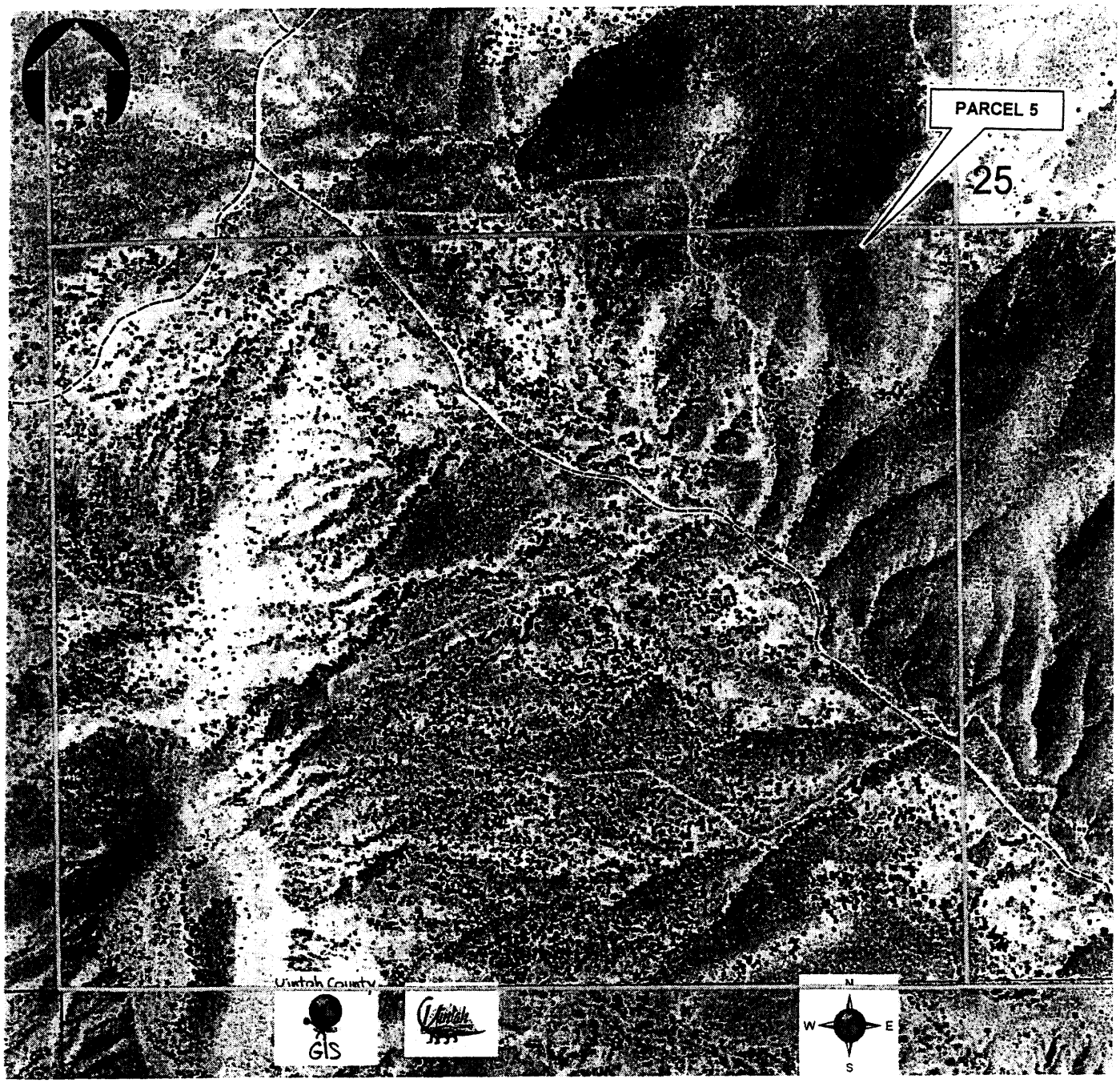

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Scale 1" = 450'

Reference: Uintah County GIS

2004 AERIAL PHOTOGRAPH - PARCEL 5

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Project No.
1-05-473

Figure No.
15

Geologic, Environmental, and Geotechnical Consultants
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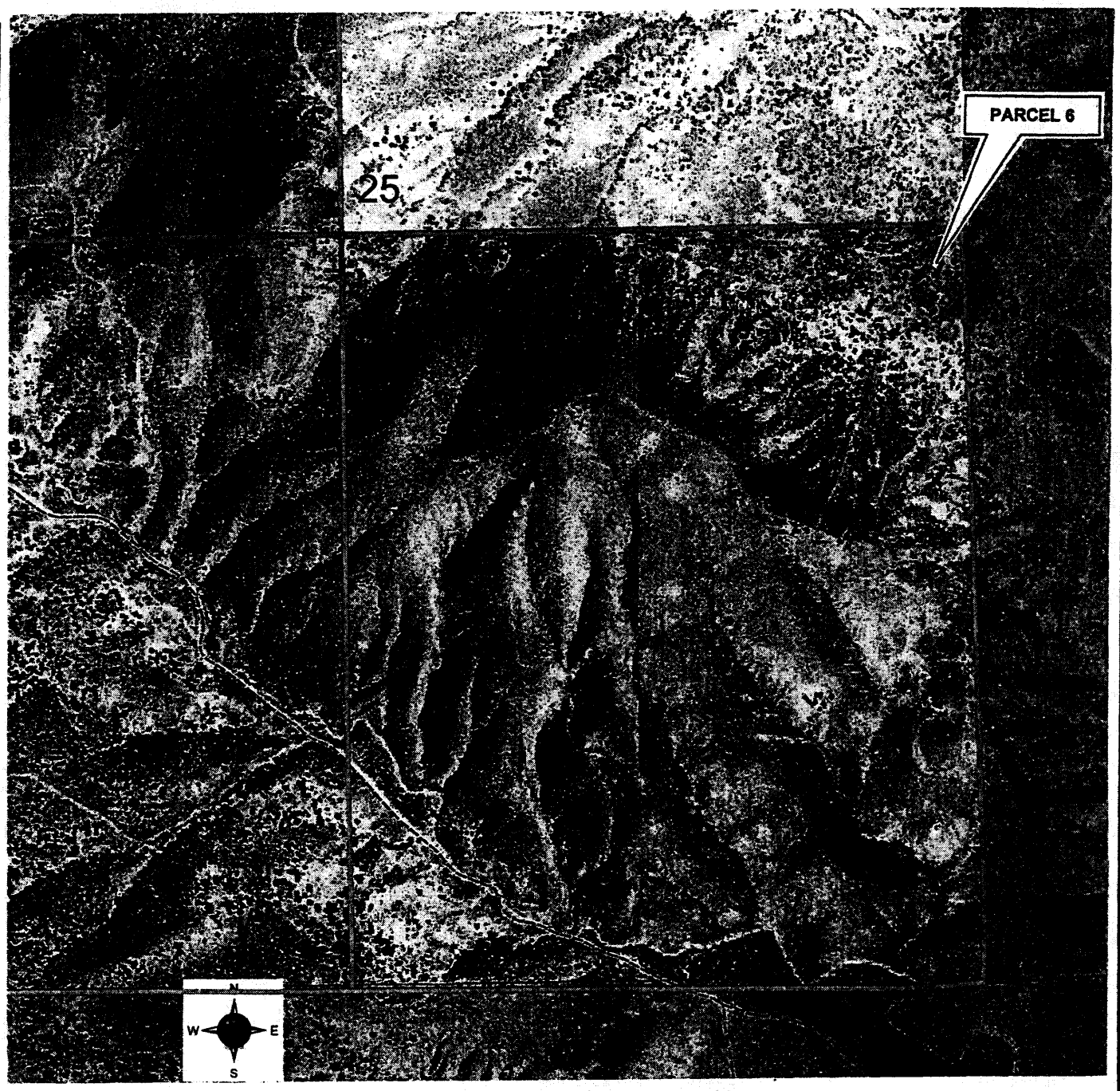

0 450 900

Scale 1" = 450'

Reference: Uintah County GIS

2004 AERIAL PHOTOGRAPH - PORTION OF PARCEL 6

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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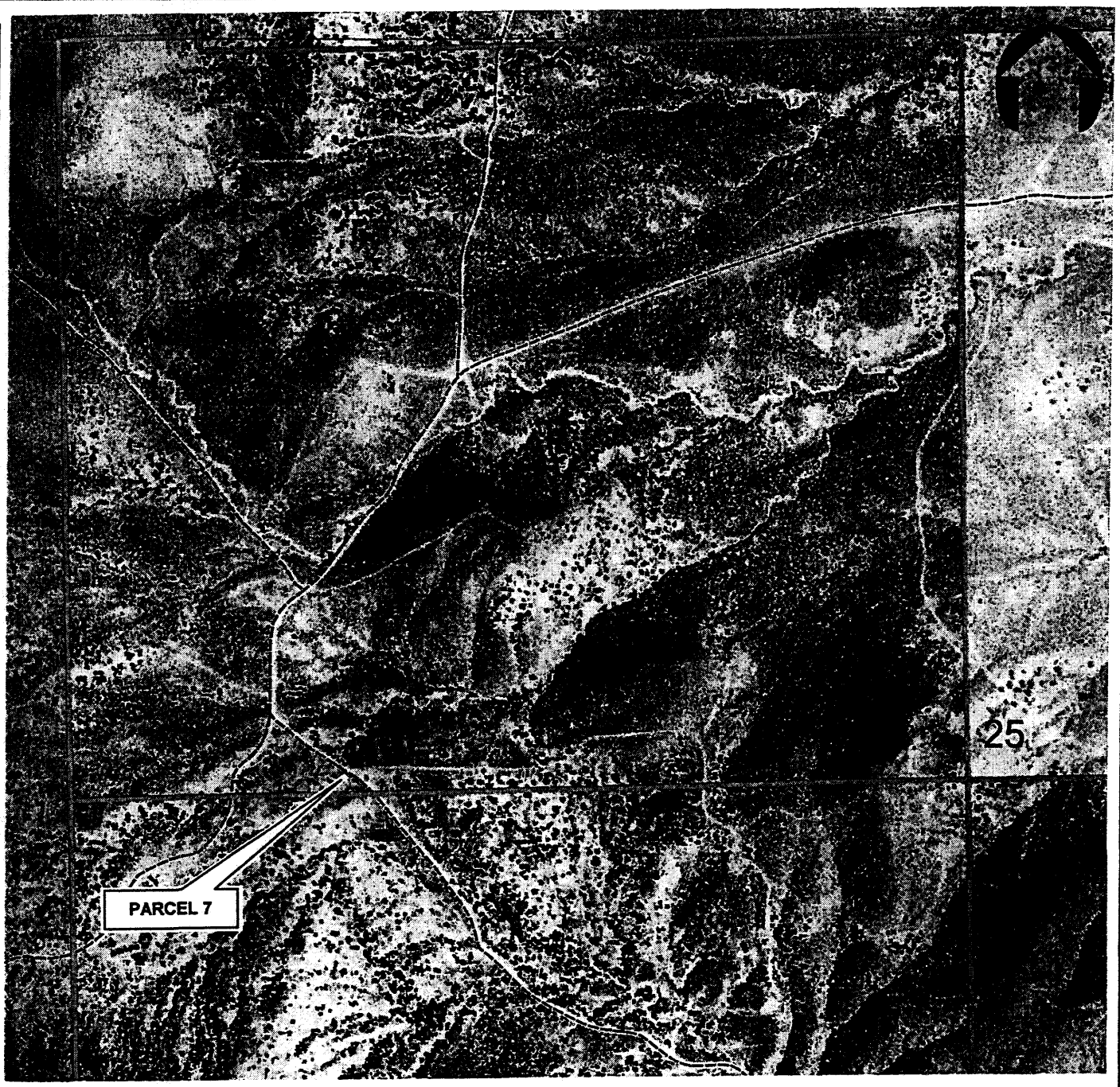
Figure No.
16

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



0 450 900

Scale 1" = 450'

Reference: Uintah County GIS

2004 AERIAL PHOTOGRAPH - PARCEL 7

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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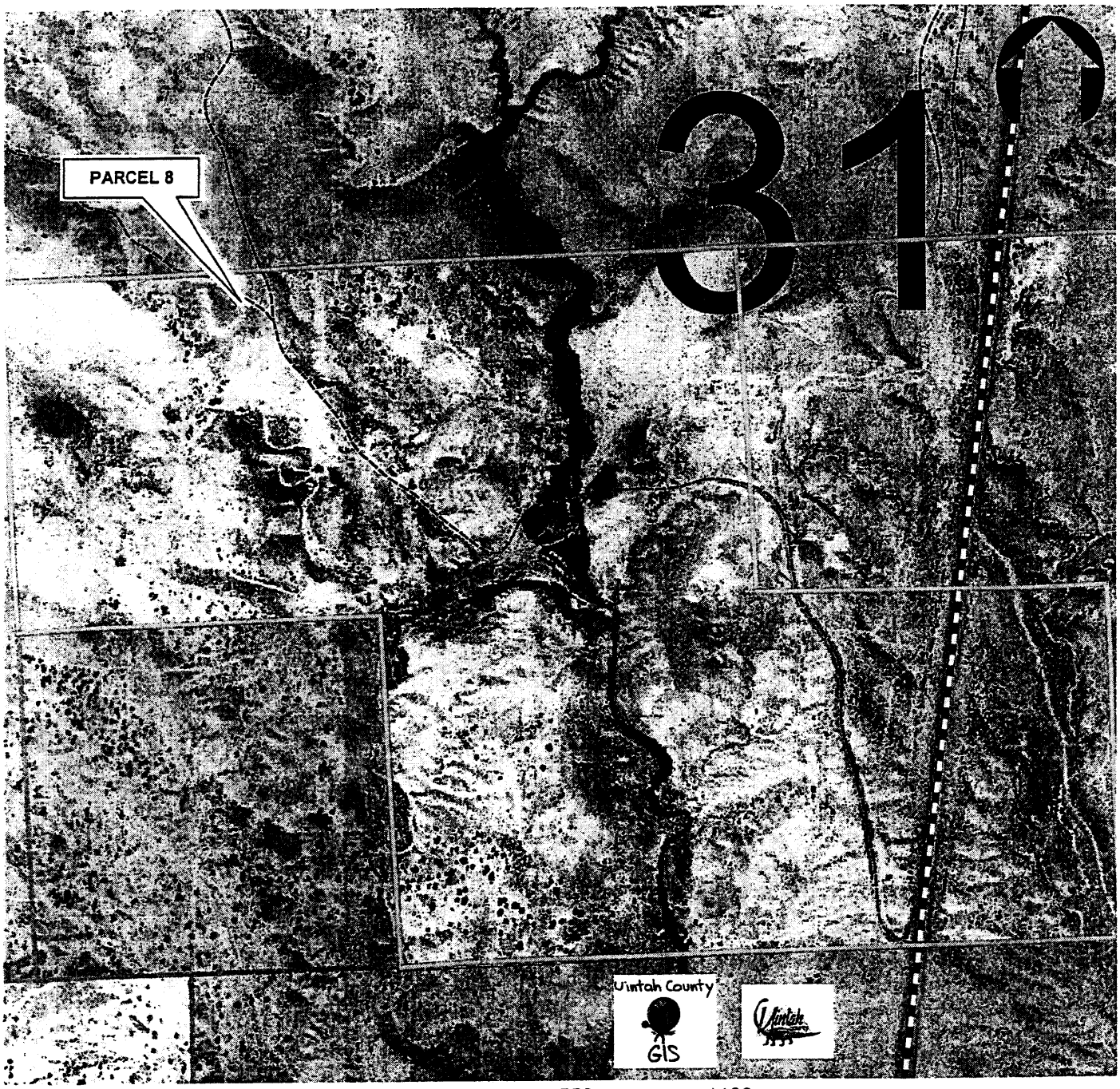
Figure No.
17

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



0 550 1100

Scale 1" = 550'

Reference: Uintah County GIS

2004 AERIAL PHOTOGRAPH - PARCEL 8

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Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

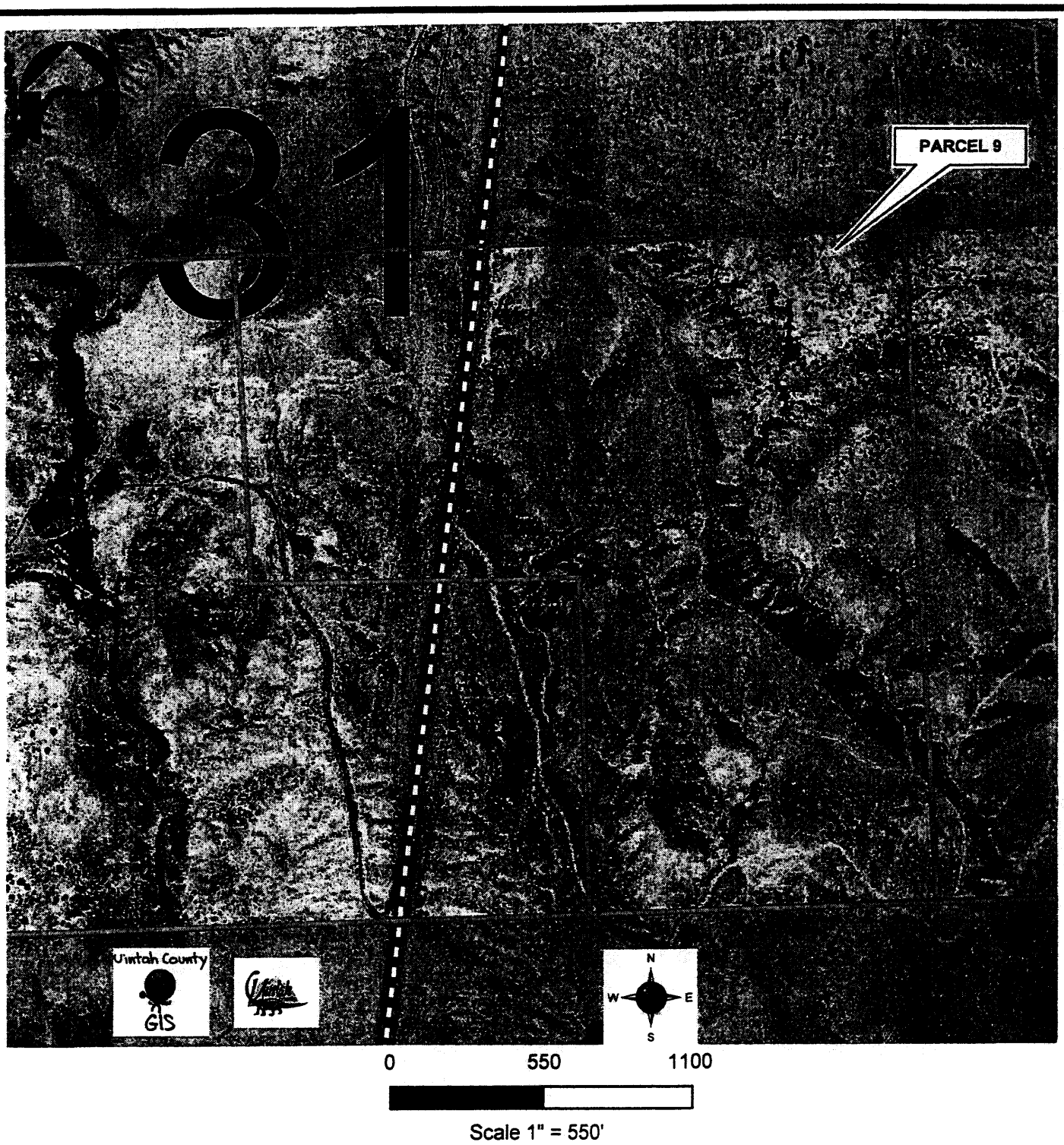
Project No.

1-05-473

Figure No

18

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



Reference: Uintah County GIS

2004 AERIAL PHOTOGRAPH - PARCEL 9

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
19

Geologic, Environmental, and Geotechnical Consultants
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0 550 1100

Scale 1" = 550'

Reference: Uintah County GIS

2004 AERIAL PHOTOGRAPH - PARCEL 10

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Project No.
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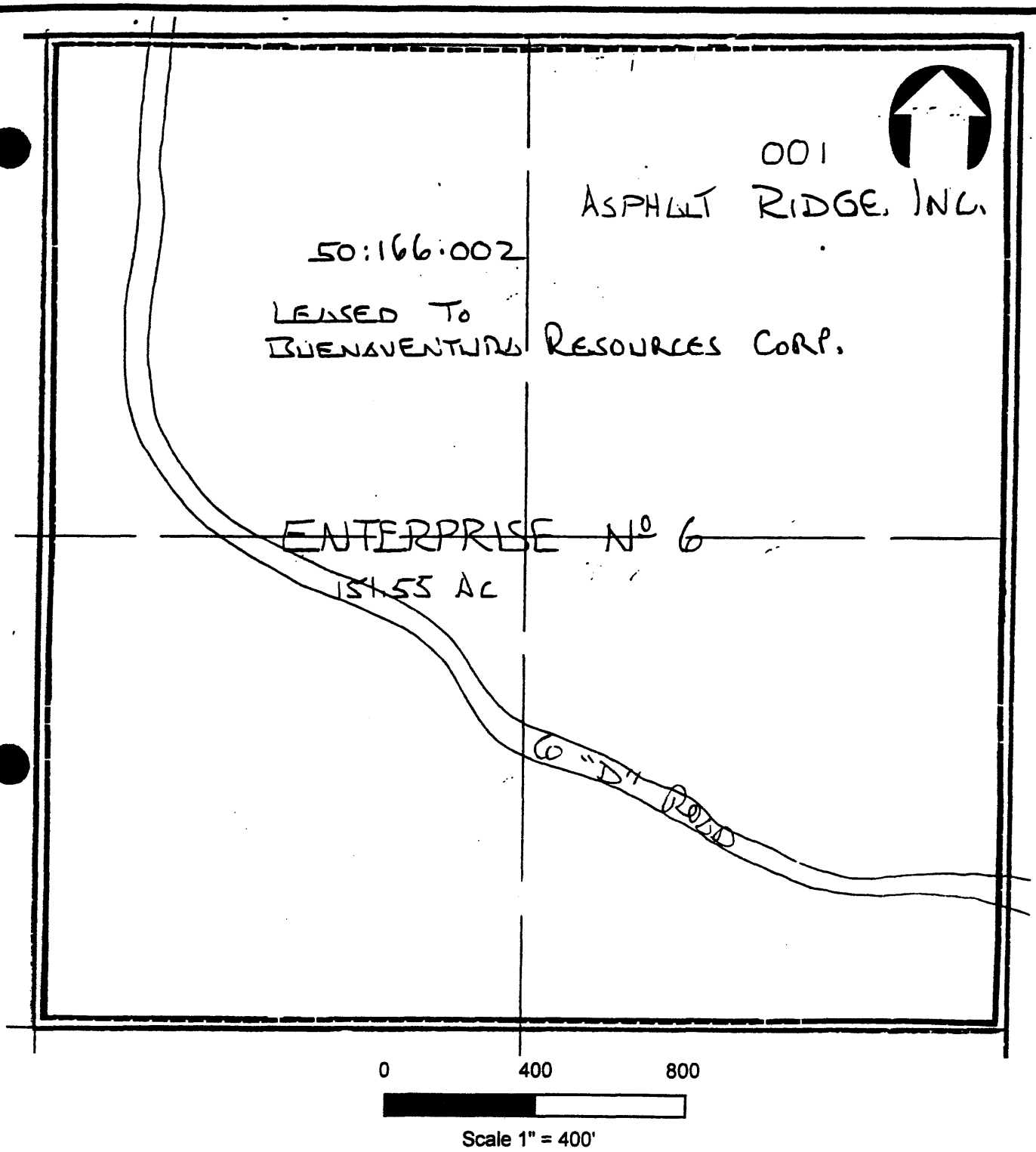
Figure No.
20

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



Reference: Uintah County Assessor and Recorder

TAX MAP - PARCEL 1

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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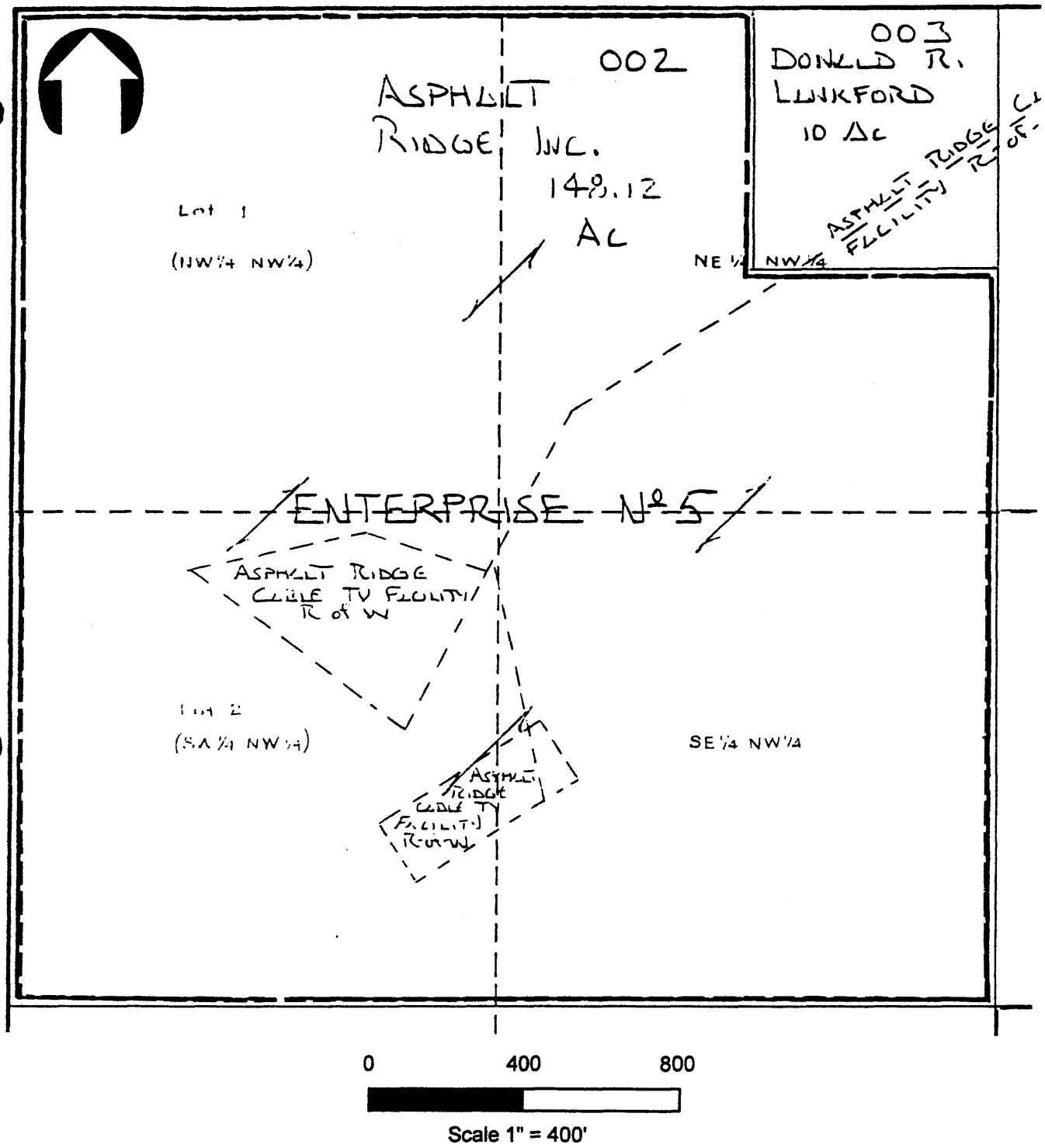
Project No.
1-05-473

Figure No.
21

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



Reference: Uintah County Assessor and Recorder

TAX MAP - PARCEL 2

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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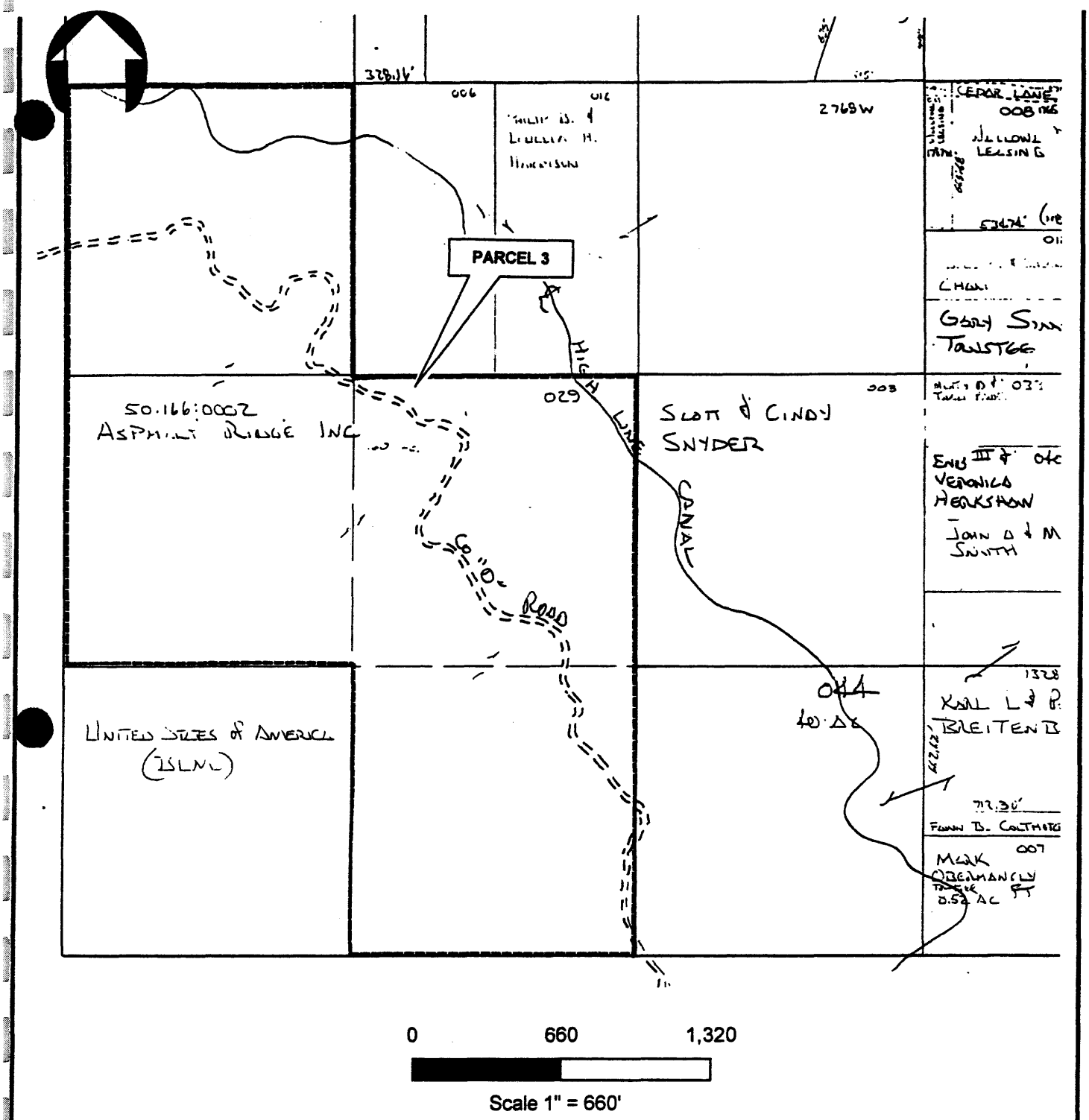
Project No.
1-05-473

Figure No.
22

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



Reference: Uintah County Assessor and Recorder

TAX MAP - PARCEL 3

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Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

Project No.
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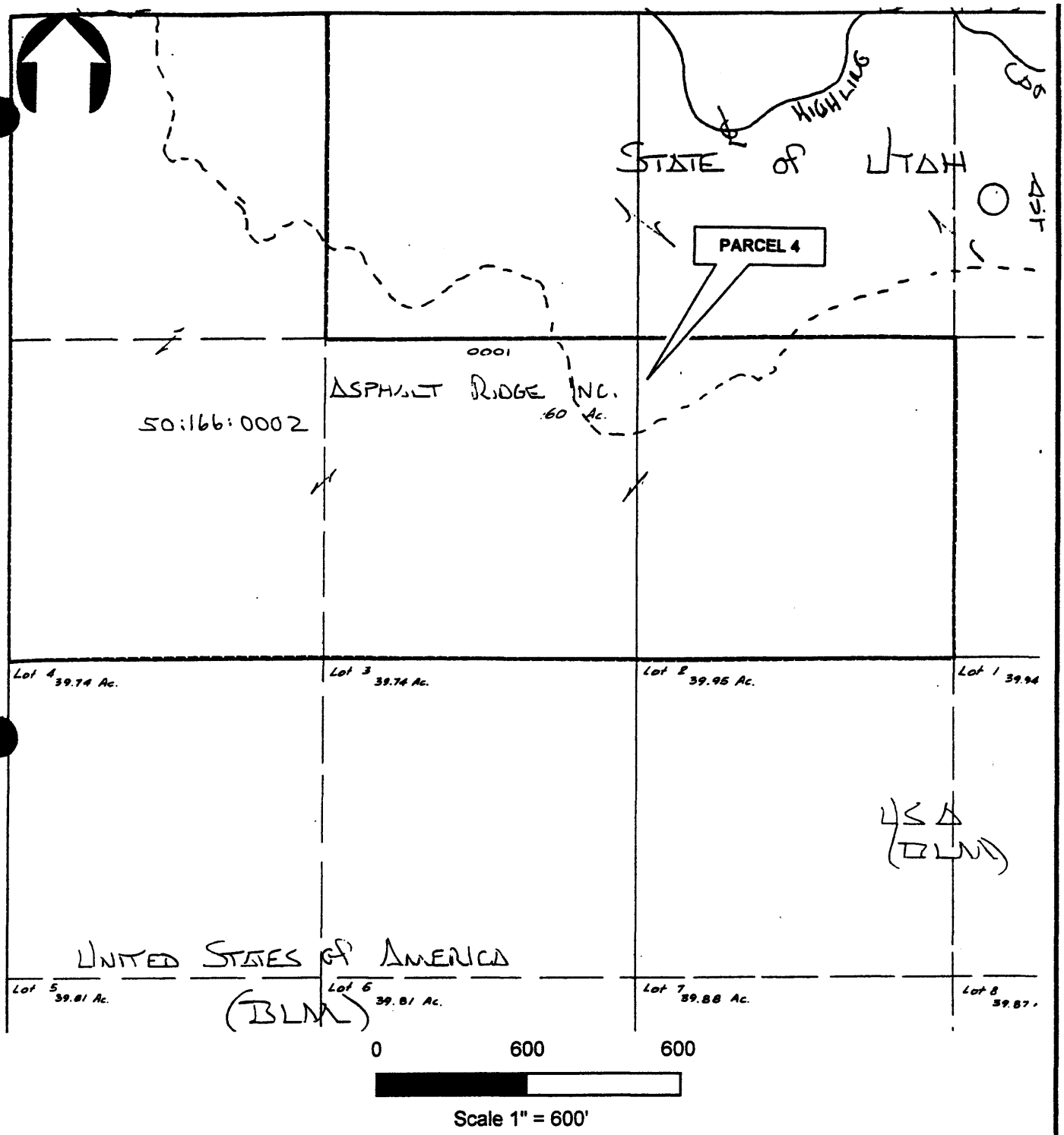
Figure No.
23

Geologic, Environmental, and Geotechnical Consultants
Simon • Bymaster Inc.



Reference: Uintah County Assessor and Recorder

TAX MAP - PARCEL 4

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Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

Project No.

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Figure No.

24

Geologic, Environmental, and Geotechnical Consultants
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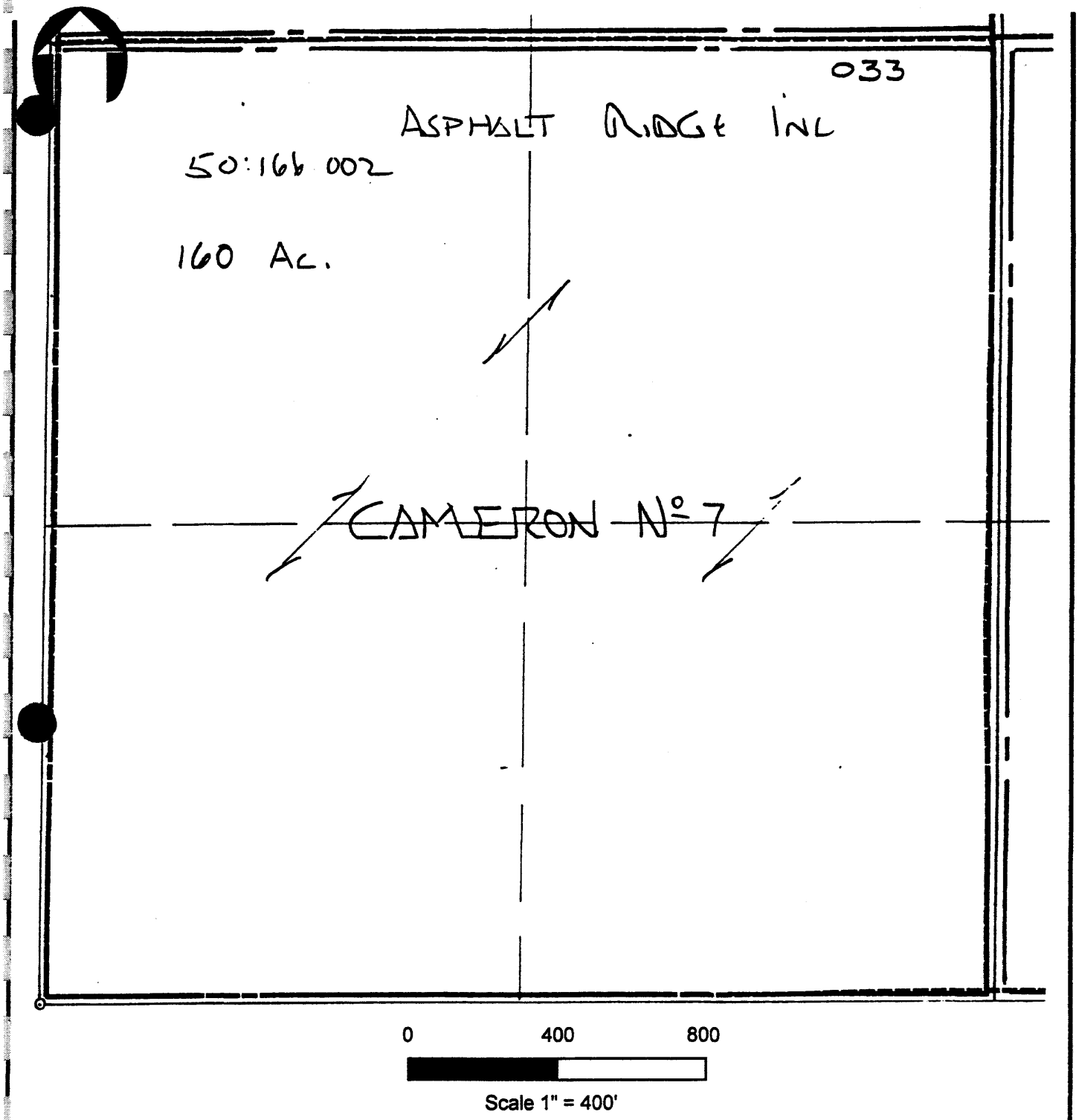

Reference: Uintah County Assessor and Recorder

TAX MAP - PARCEL 5

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
25

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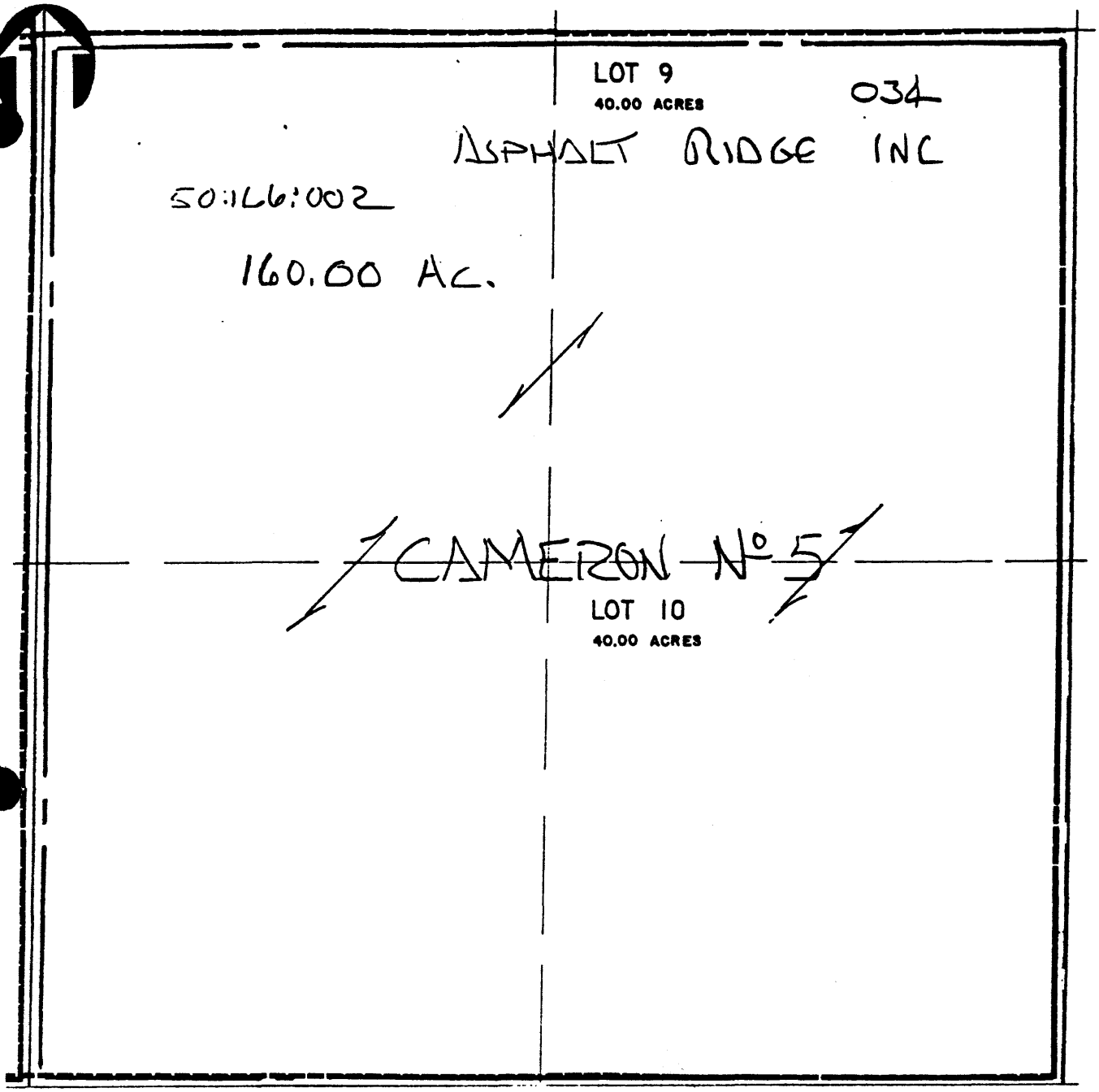

0 400 800

Scale 1" = 400'

Reference: Uintah County Assessor and Recorder

TAX MAP - PARCEL 6

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Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

Project No.

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Figure No.

26

Geologic, Environmental, and Geotechnical Consultants
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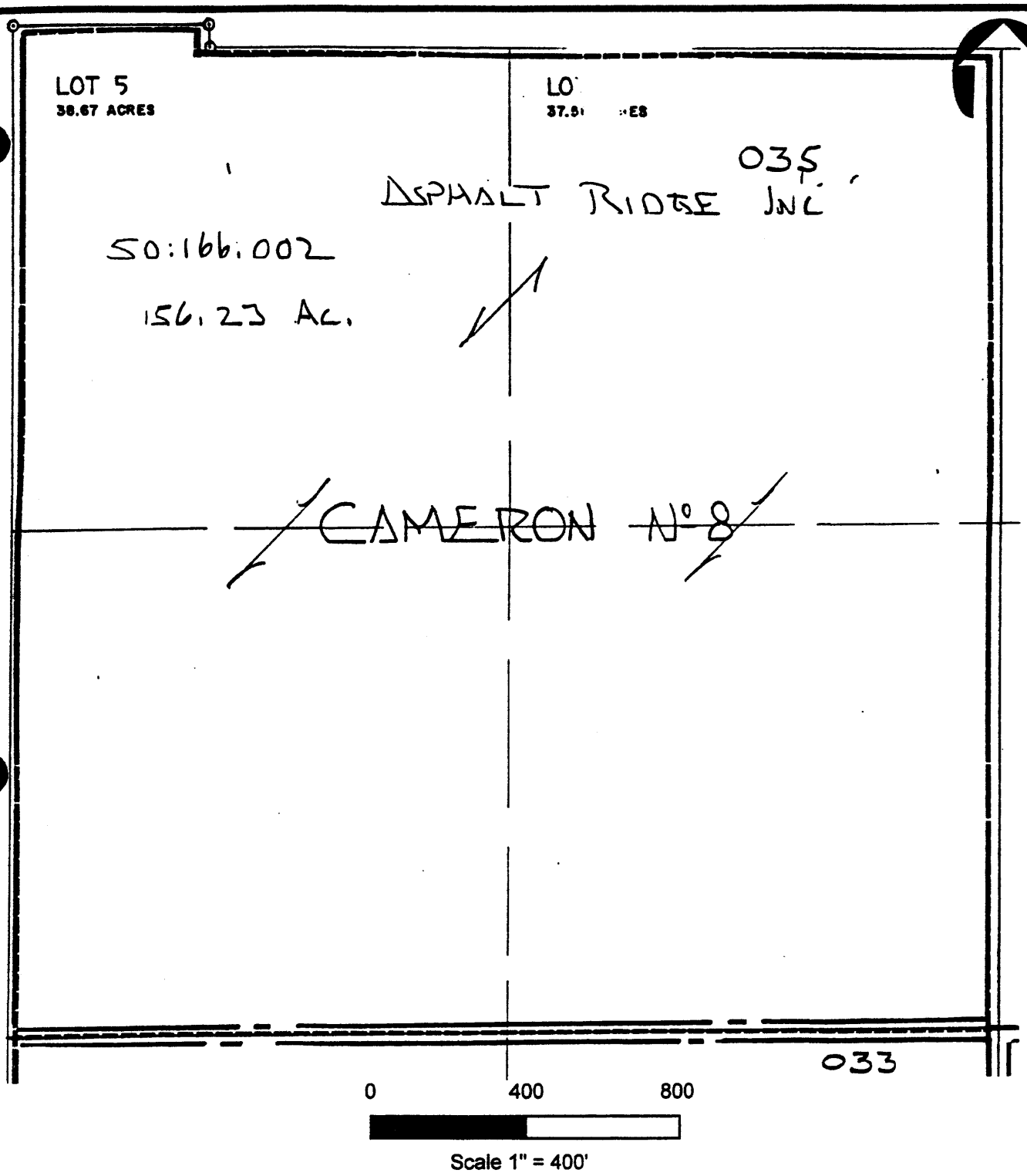

Reference: Uintah County Assessor and Recorder

TAX MAP - PARCEL 7

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No. 27

Geologic, Environmental, and Geotechnical Consultants
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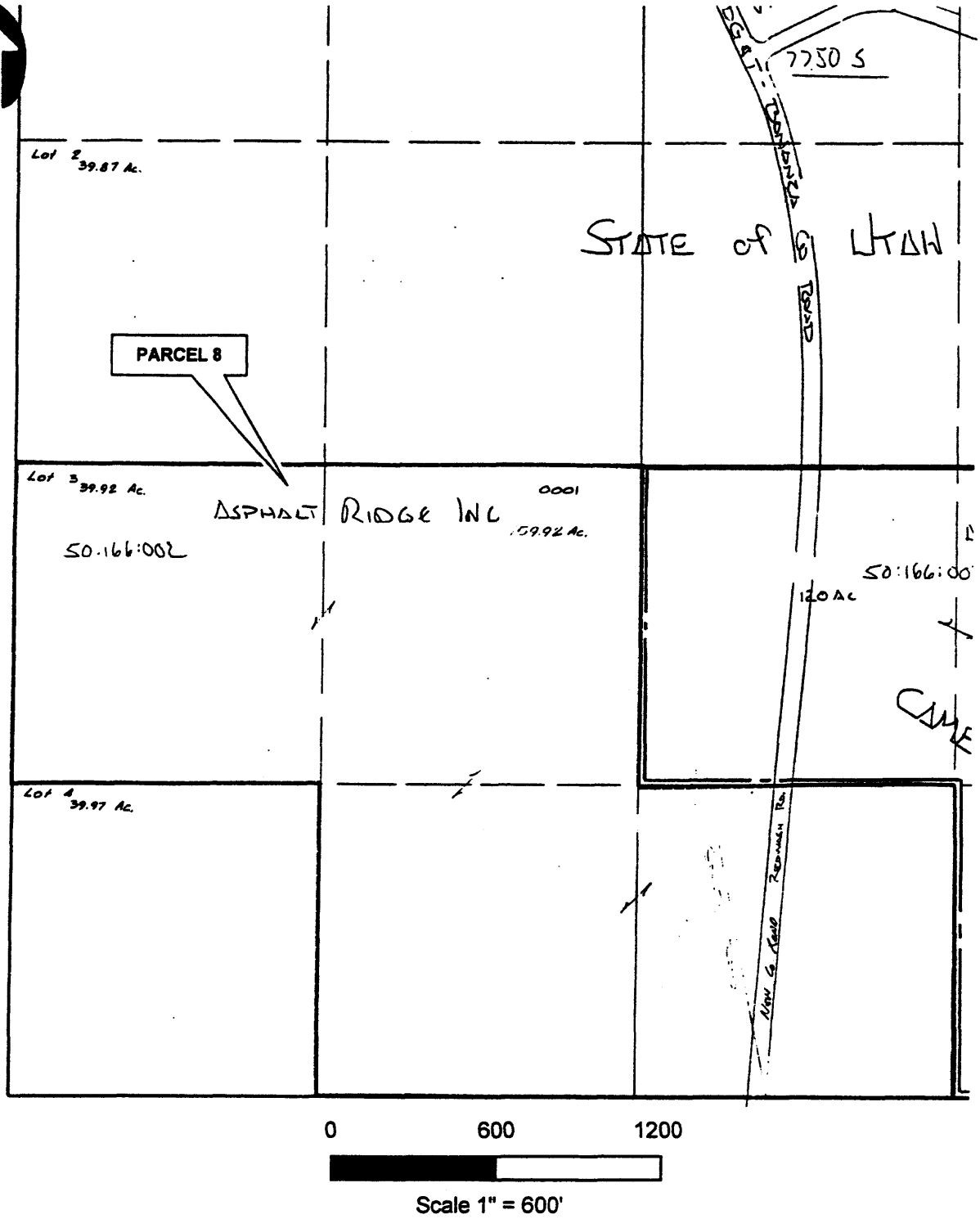

Reference: Uintah County Assessor and Recorder

TAX MAP - PARCEL 8

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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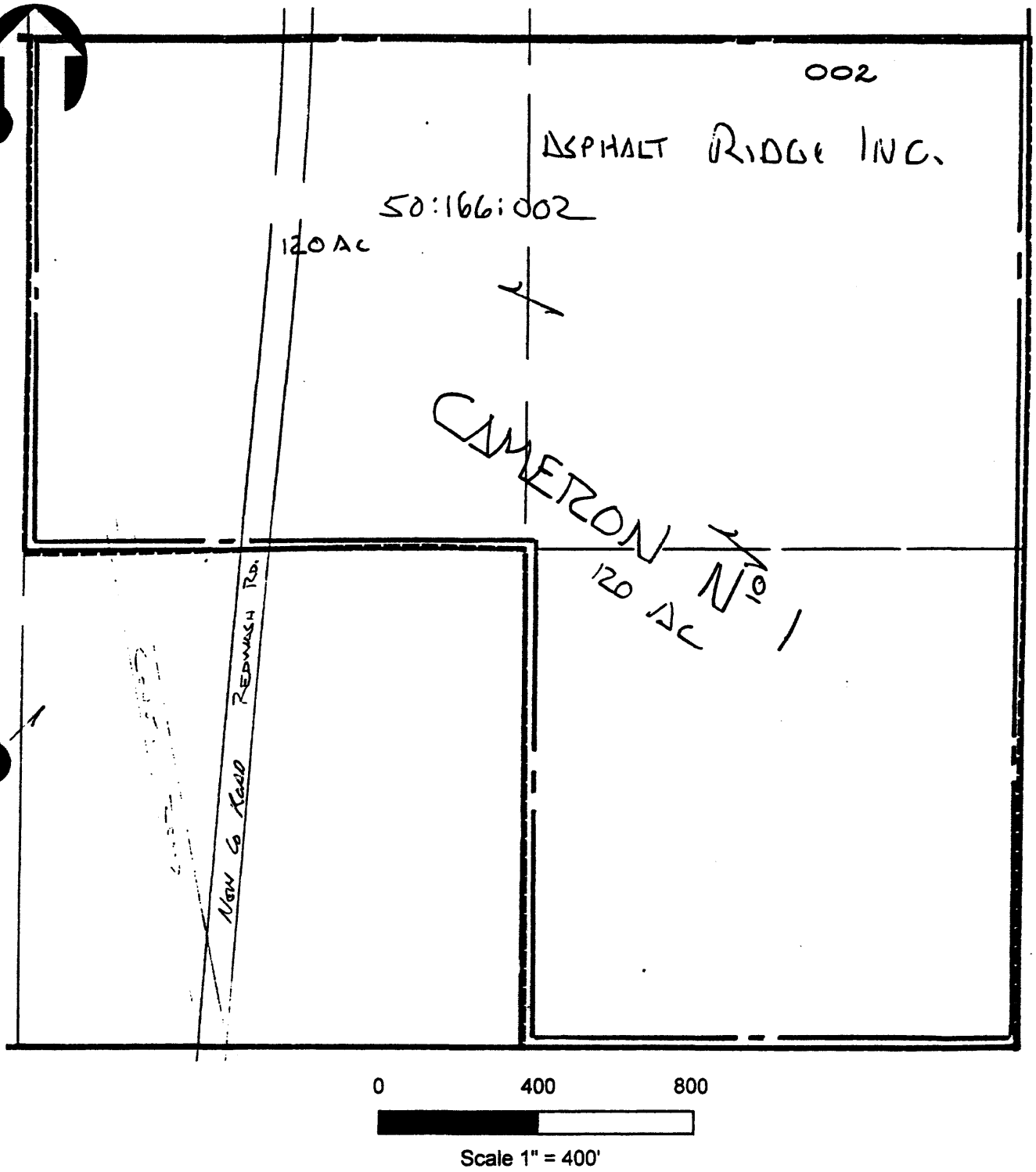
Figure No.
28

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



Reference: Uintah County Assessor and Recorder

TAX MAP - PARCEL 9

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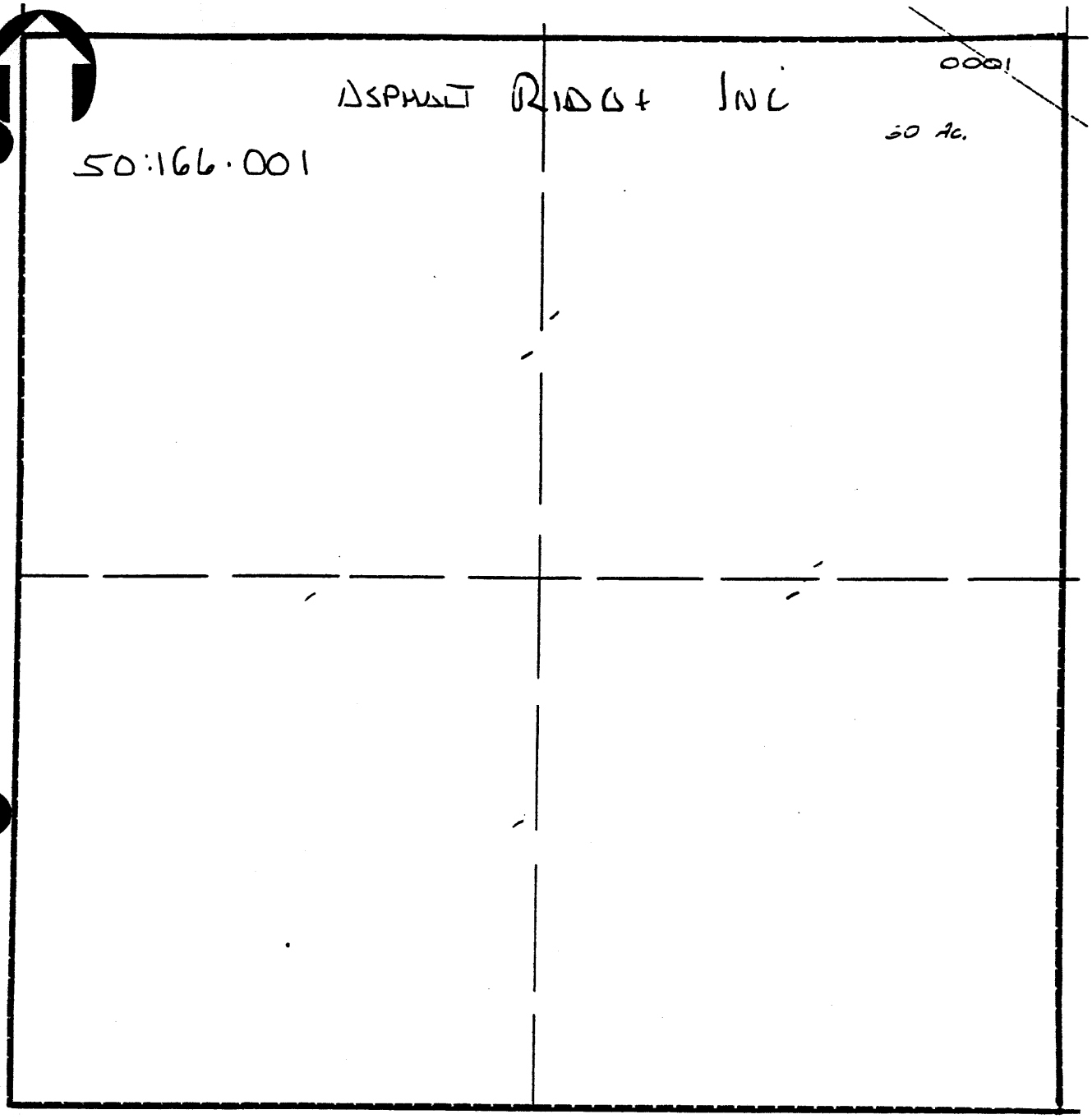
Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

Project No. 1-05-473

Figure No. 29

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



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Scale 1" = 400'

Reference: Uintah County Assessor and Recorder

TAX MAP - PARCEL 10

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
30

Geologic, Environmental, and Geotechnical Consultants
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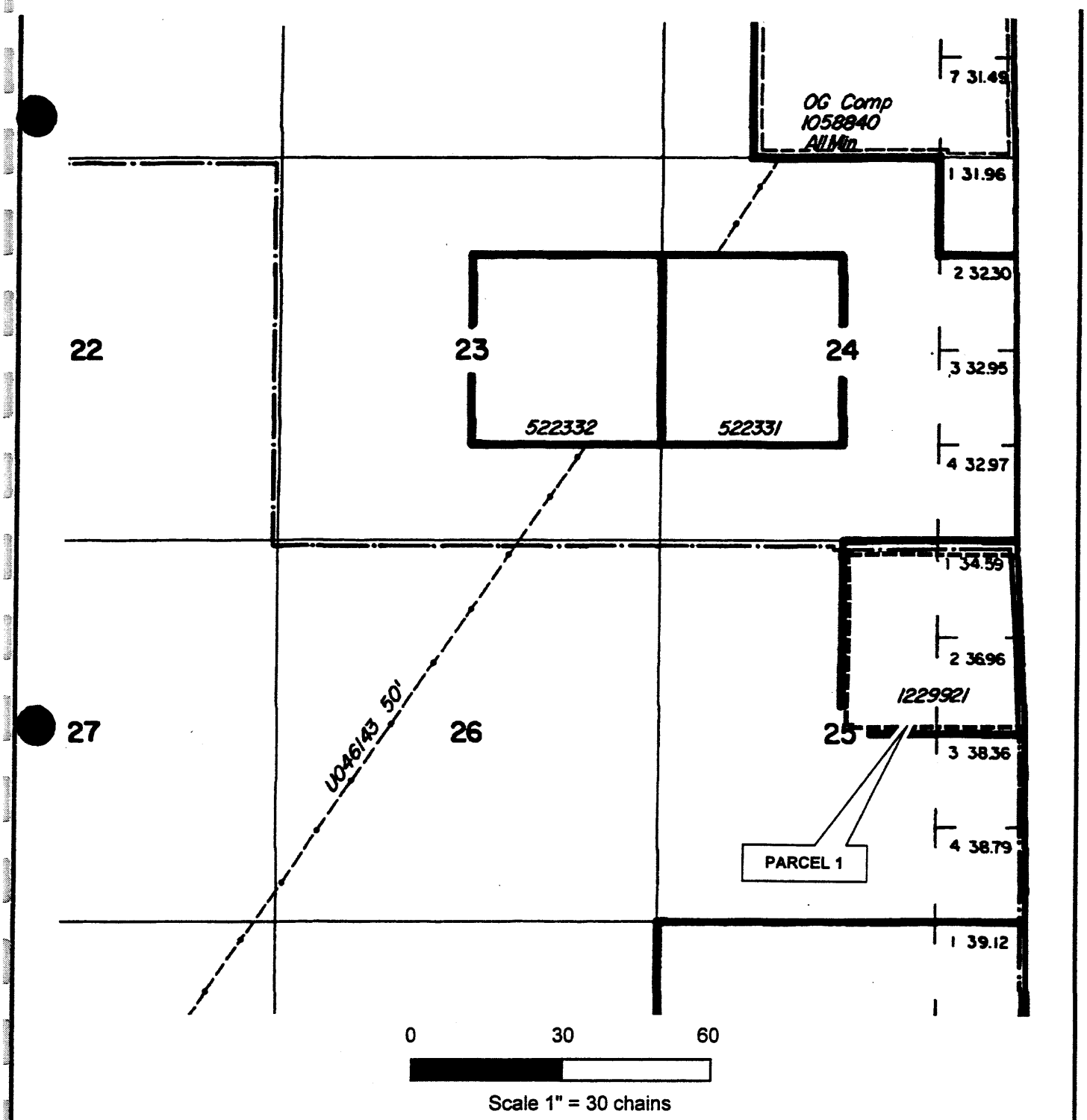

Reference: Bureau of Land Management

MINING PATENT MAP - PARCEL 1

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Figure No.
31

Geologic, Environmental, and Geotechnical Consultants
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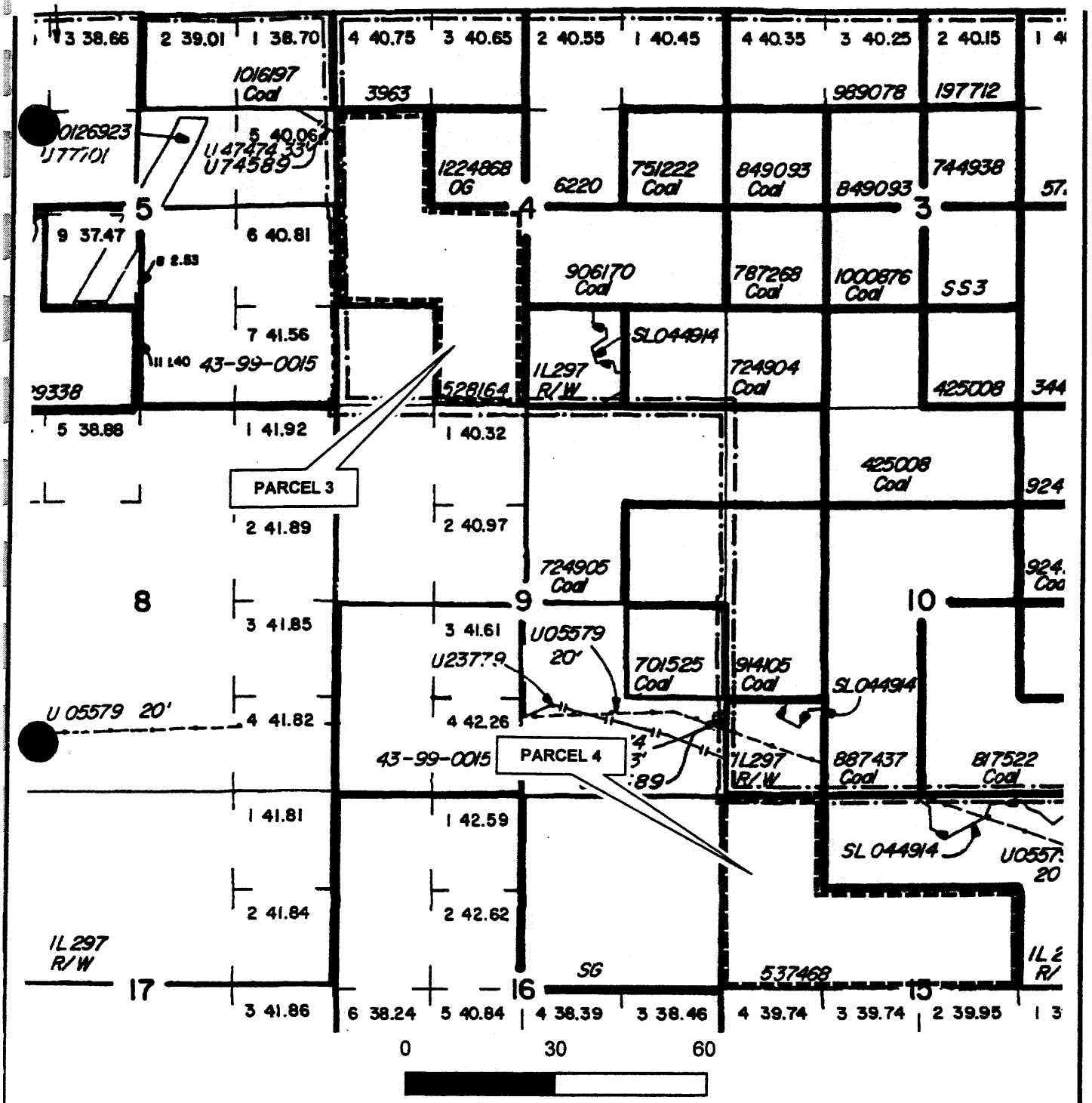

Reference: Bureau of Land Management

MINING PATENT MAP - PARCELS 3 AND 4

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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Project No.
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Figure No.
32

Geologic, Environmental, and Geotechnical Consultants
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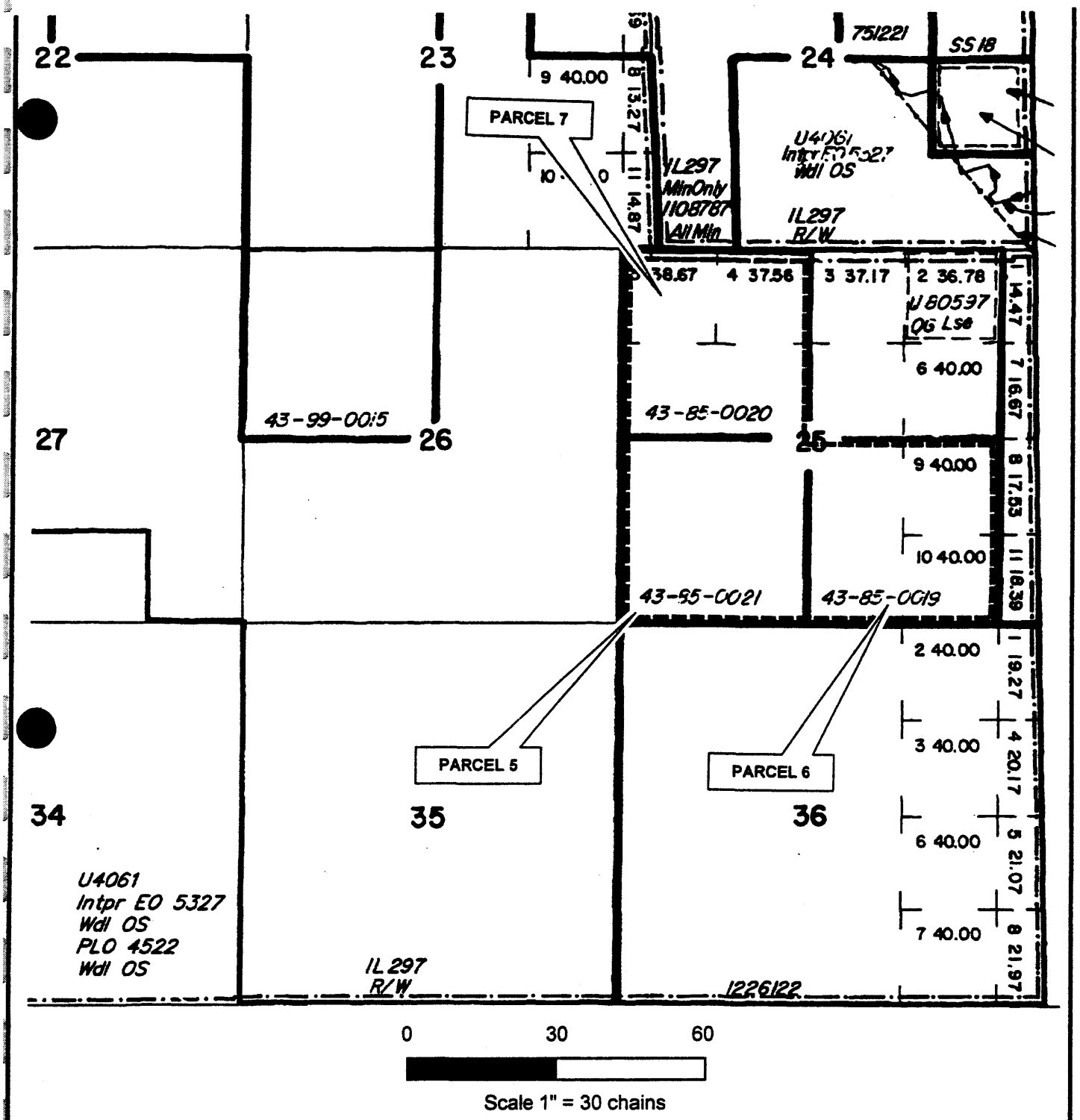

Reference: Bureau of Land Management

MINING PATENT MAP - PARCELS 5, 6, AND 7

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

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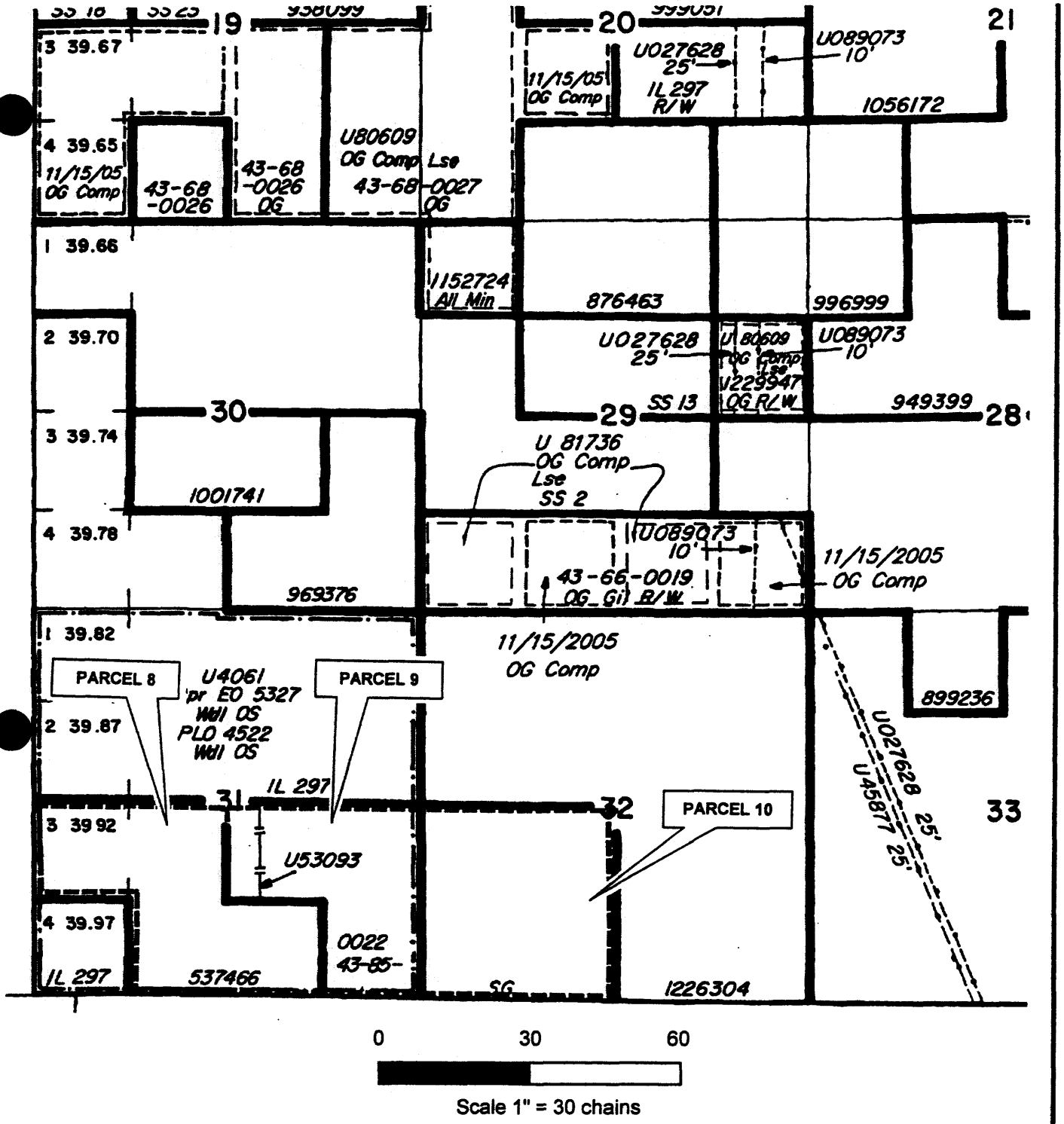
Figure No.
33

Geologic, Environmental, and Geotechnical Consultants
Simon • Bymaster Inc.



Reference: Bureau of Land Management

MINING PATENT MAP - PARCELS 8, 9, AND 10

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Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

Project No.

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Figure No.

34

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.

APPENDIX B

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

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APPENDIX B
QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

- Mr. Bymaster holds a Bachelor of Science degree in Petroleum Engineering and has been employed in the environmental industry since 1988. He is a State of Utah certified Groundwater and Soil Sampler (GS0532), State of Utah UST Certified Consultant (CC0011), State of Nevada Certified Environmental Manager (1819), and State of California Registered Environmental Assessor I.

  Mr. Bymaster has performed over 900 Environmental Site Assessments in the following states: Alaska, Arizona, California, Colorado, Delaware, District of Columbia, Georgia, Idaho, Iowa, Kansas, Maine, Maryland, Minnesota, Missouri, Montana, Nebraska, Nevada, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Virginia, Washington, West Virginia, and Wyoming.

- Mr. Simon holds a Bachelor degree in Geology and has been employed in the environmental industry since 1983. He is a Registered Geologist and Certified Engineering Geologist in California and a licensed Professional Geologist in Utah, Idaho, and Wyoming. Mr. Simon has performed Phase I Environmental Site Assessments in the states of California, Utah, and Wyoming.

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APPENDIX C

SOURCES OF INFORMATION

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APPENDIX C
SOURCES OF INFORMATION

ASTM Practice E 1527-00, Standard practice for environmental site assessments: Phase I Environmental Site Assessment Process.

EDR, 2005, Environmental Data Resources, Inc., The EDR radius map report for T5S R21E Section 15, Vernal, Utah 84078, Inquiry No. 1567664.1s, December 5, 2005.

EDR, 2005, Environmental Data Resources, Inc., The EDR radius map report for T5S R21E Section 25, Vernal, Utah 84078, Inquiry No. 1567665.1s, December 5, 2005.

EDR, 2005, Environmental Data Resources, Inc., The EDR radius map report for T4S R20E Section 25, Lots 1 and 2, Vernal, Utah 84078, Inquiry No. 1567655.1s, December 5, 2005.

EDR, 2005, Environmental Data Resources, Inc., The EDR radius map report for T5S R22E Sections 31 and 32, Vernal, Utah 84078, Inquiry No. 1567666.1s, December 5, 2005.

EDR, 2005, Environmental Data Resources, Inc., The EDR radius map report for T5S R21E Section 4, Vernal, Utah 84078, Inquiry No. 1567666.1s, December 5, 2005.

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map, Panel Number 490147 0014C, dated February 1, 1986.

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map, Panel Number 490147 0018B, dated October 10, 1977.

Garn, M., State of Utah Department of Water Quality, verbal communication, January 17, 2006.

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Paulson, D., Fire Chief, Uintah County Volunteer Fire Department, verbal communication, January 10, 2006.

Sprinkel, D.A., 2004, Progress report geologic map of the Vernal 30' x 60' guadrangle, Utah and Colorado, year 2 of 3: Utah Geological Survey Open-File Report 432, 2 plates. scale: 1:100,000.

State of Utah Division of Oil, Gas, and Mining, mining records search.

Uintah County Assessor and Recorder, Tax Maps.

Uintah County GIS Department, aerial photographs.

USDA, 2005, Soil Survey Uintah Area, Utah - Parts of Daggett, Grand, and Uintah Counties, U.S. Department of Agriculture, Soil Conservation Service.

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Sources of Information Continued

US Department of Interior, Bureau of Land Management, Division of Lands and Minerals, various documents.

USEPA, 2005, Map of Radon Zones of Utah, www.epa.gov/iag/states/utah.

USEPA, Sole Source Aquifer Protection Program, National Summary of Sole Source Aquifer Designations.

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USGS, 1978, Vernal NE, Utah 7.5 minute topographic quadrangle.

USGS, 1978, Vernal NW, Utah 7.5 minute topographic quadrangle.

USGS, 1978, Vernal SE, Utah 7.5 minute topographic quadrangle.

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APPENDIX D

SITE PHOTOGRAPHS

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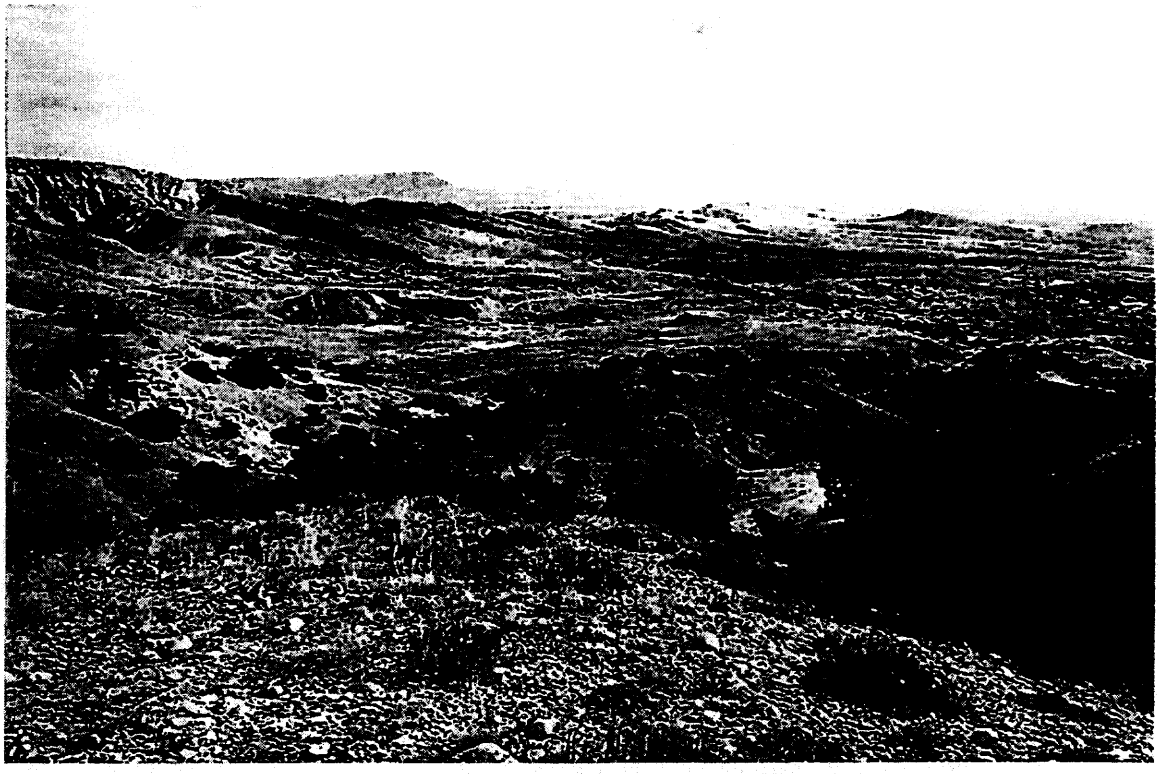
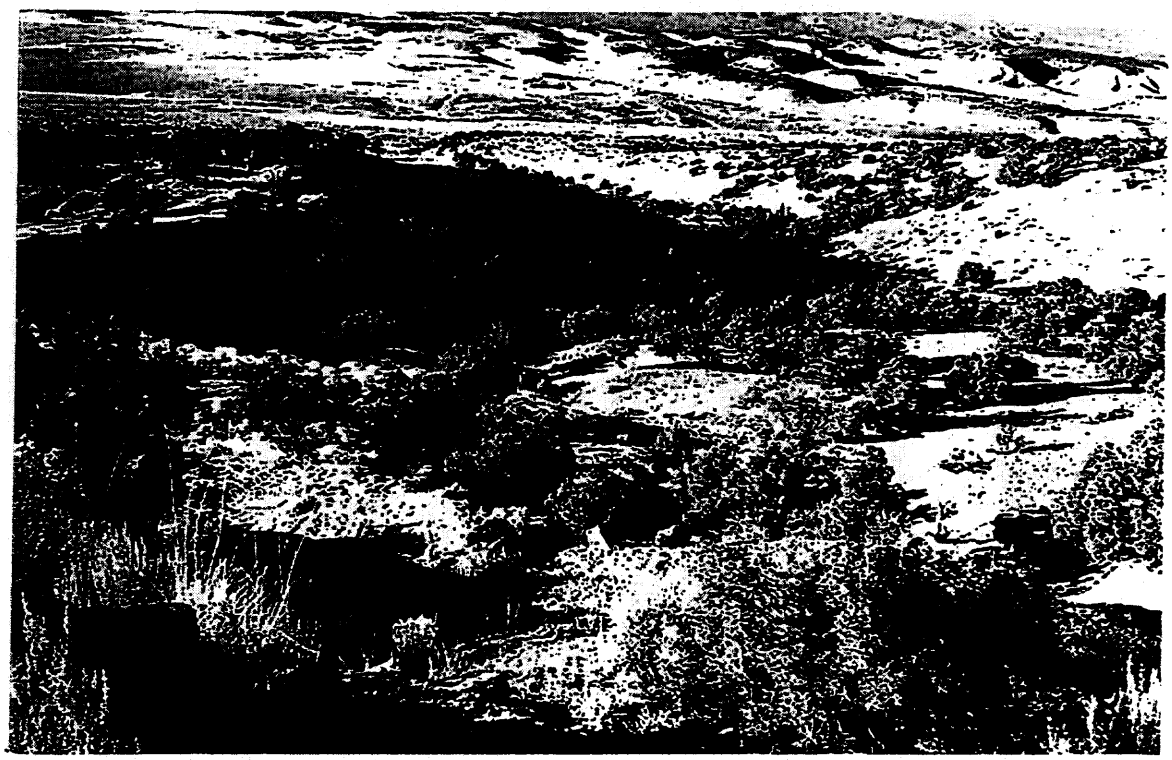


OVERVIEW OF THE SUBJECT PROPERTY.



OVERVIEW OF THE SUBJECT PROPERTY.

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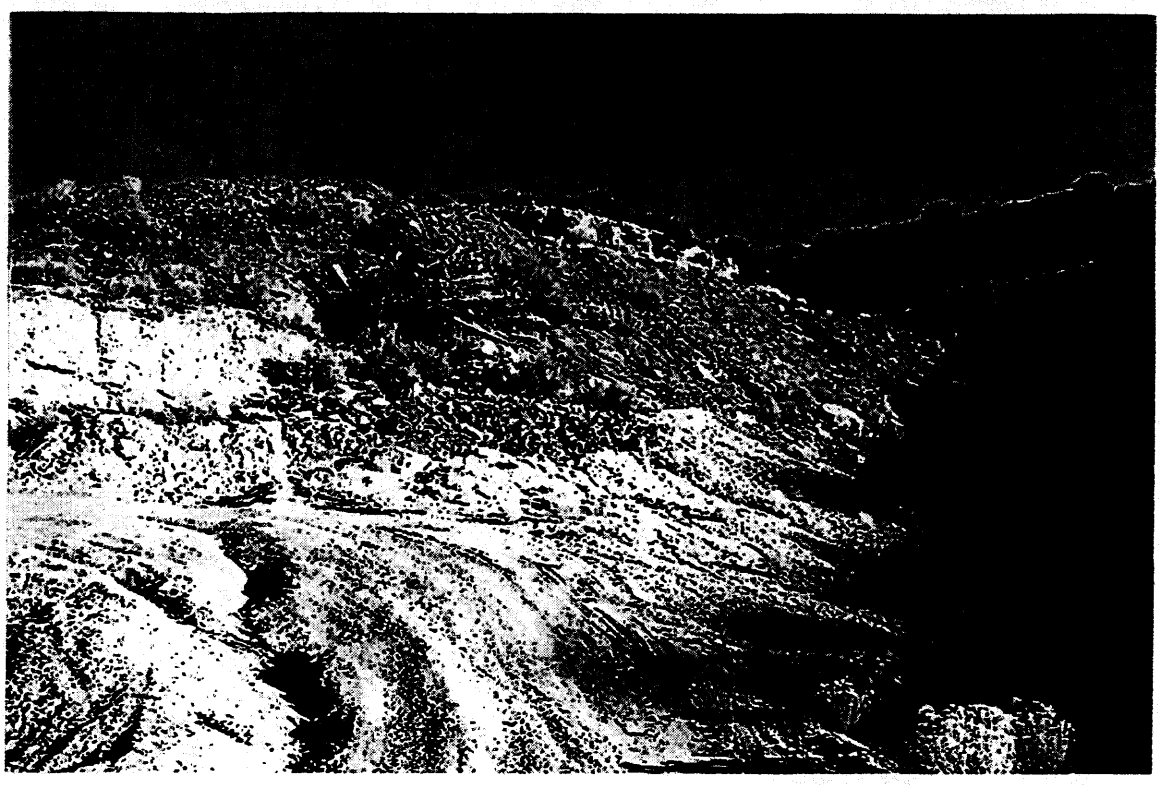
Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

Project No. 1-05-473

Geologic, Environmental, and Geotechnical Consultants
Simon • Bymaster Inc.

Photograph Date:
11/16/05



MINE ADIT IN THE NORTHERN SECTION OF PARCEL 2.

ASPHALT PAVED ROAD IN SOUTHEASTERN SECTION OF PARCEL 8.

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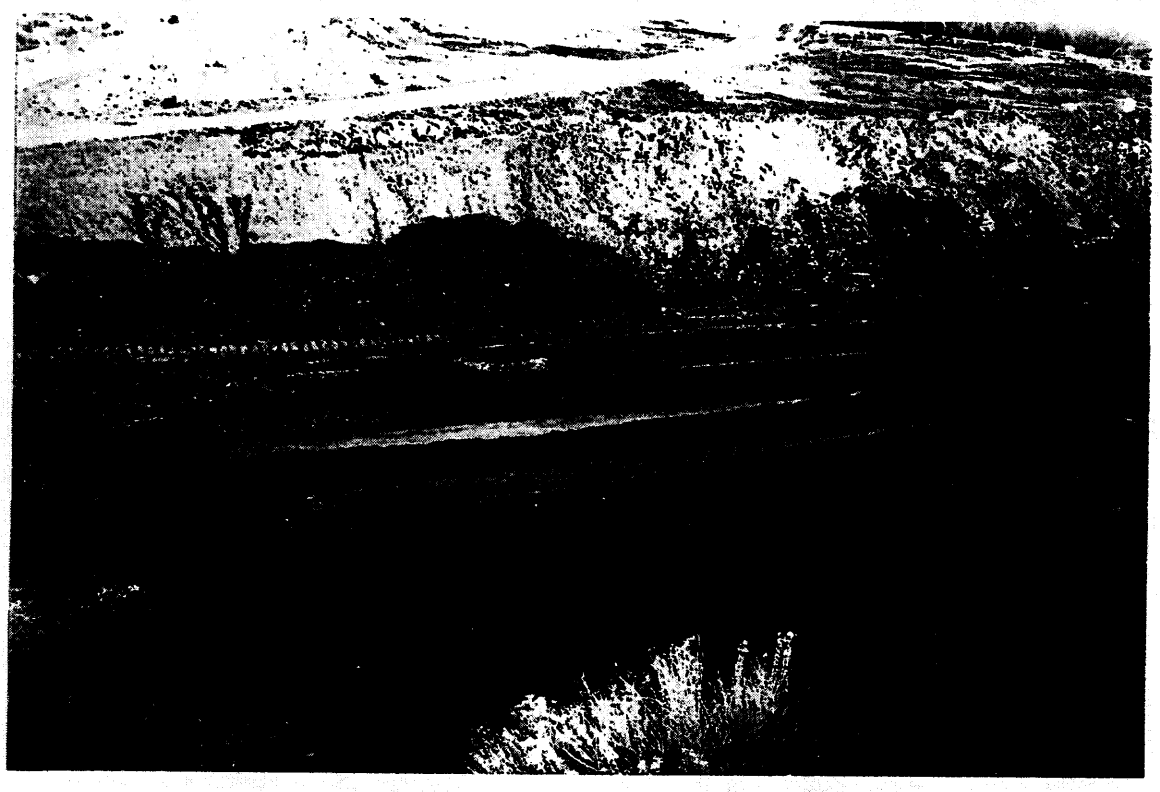
DIV. OIL GAS & MINING

Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

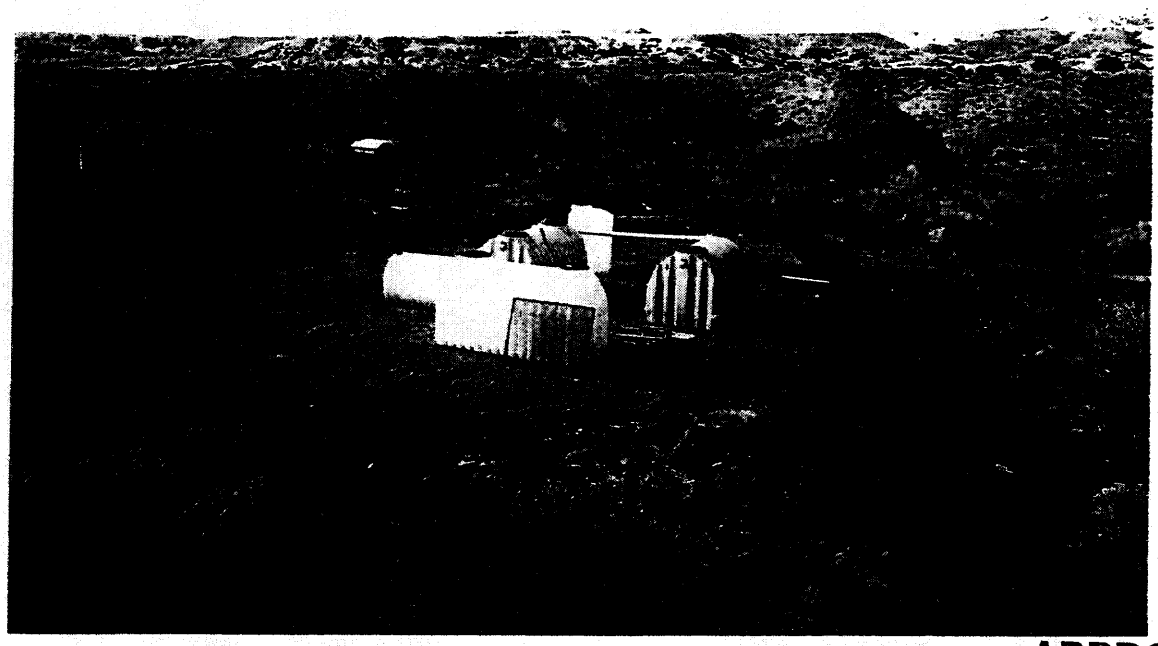
Project No.
1-05-473

Photograph Date:
11/16/05

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



ASPHALT MINING EXCAVATION IN PARCEL 8.



ABOVEGROUND WATER STORAGE TANKS IN PARCEL 8.

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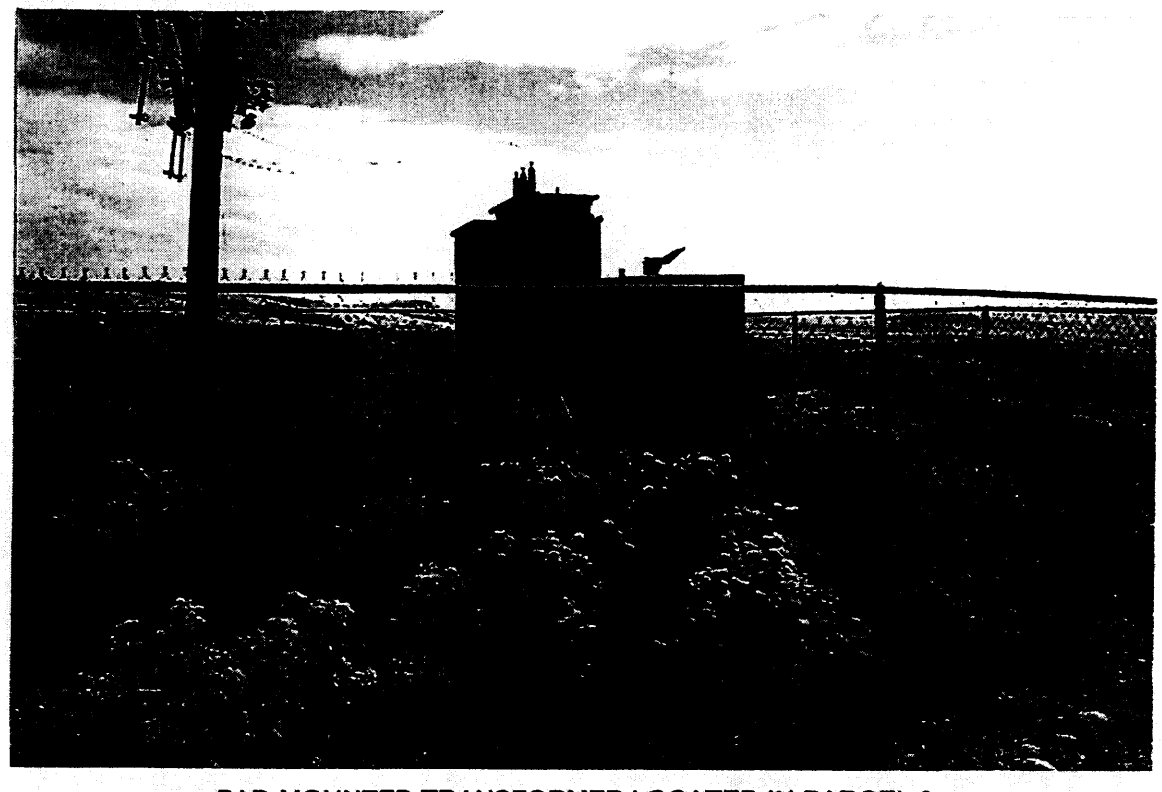
Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

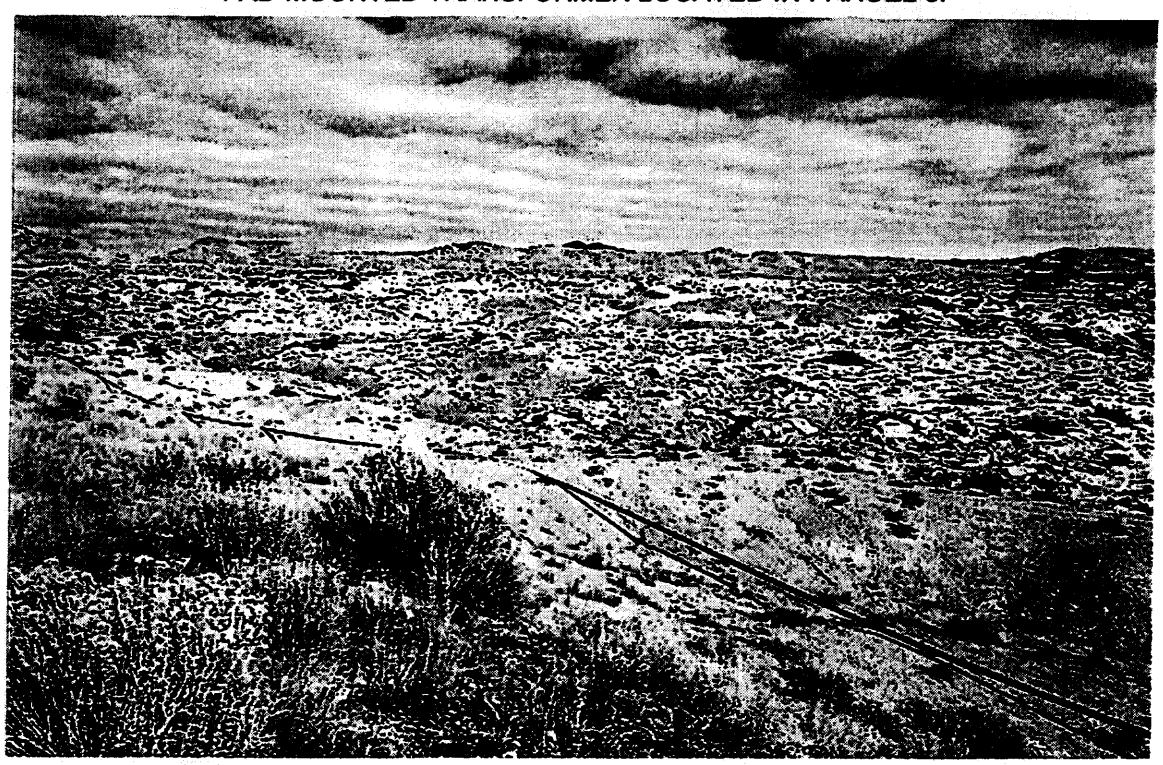
Project No.
1-05-473

Photograph Date:
11/16/05

Geologic, Environmental, and Geotechnical Consultants
Simon · Bymaster Inc.



PAD-MOUNTED TRANSFORMER LOCATED IN PARCEL 8.



OVERVIEW OF THE SECTIONS OF PARCEL 8 AND PARCEL 9 EAST OF COUNTY ROAD 45.

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Temple Mountain Energy
1,500± Acre Unimproved Property
South of Vernal, Utah

Project No.

1-05-473

Photograph Date:

11/16/05

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APPENDIX E

SANBORN "NO COVERAGE LETTER"

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EDR® Environmental Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Report

p To: Bill Bymaster
Simon Bymaster Inc.
1025 East 400 N
Bountiful, UT 84010

Order Date: 12/5/2005 **Completion Date:** 12/5/2005
Inquiry #: 1567666.2
P.O. #: NA
Site Name: T5S R22E Sections 31 and 32
Address: T5S R22E Sections 31 and 32
City/State: Vernal, UT 84078
Cross Streets:

tomer Project: 1-05-473
426MER 801-943-3100

his document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed ed on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

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Sanborn® Map Report

Ship To: Bill Bymaster
Simon Bymaster Inc.
1025 East 400 N
Bountiful, UT 84010

Order Date: 12/5/2005 **Completion Date:** 12/5/2005
Inquiry #: 1567655.2
P.O. #: NA
Site Name: T4S R20E, S25, Lots 1 and 2
Address: T4S R20E, S25, Lots 1 and 2
City/State: Vernal, UT 84078
Cross Streets:

Customer Project: 1-05-473
017426MER 801-943-3100

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o To:	Bill Bymaster	**Order Date:** 12/5/2005	**Completion Date:** 12/5/2005
	Simon Bymaster Inc.	**Inquiry #:** 1567659.2	
	1025 East 400 N	**P.O. #:** NA	
	Bountiful, UT 84010	**Site Name:** T5S R21E Section 4	
		Address: T5S R21E Section 4	
stomer Project:	1-05-473	**City/State:** Vernal, UT 84078	
7426MER	801-943-3100	**Cross Streets:**	

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Sanborn® Map Report

Ship To: Bill Bymaster
Simon Bymaster Inc.
1025 East 400 N
Bountiful, UT 84010

Order Date: 12/5/2005 **Completion Date:** 12/5/2005
Inquiry #: 1567665.2
P.O. #: NA
Site Name: T5S R21E Section 25
Address: T5S R21E Section 25
City/State: Vernal, UT 84078
Cross Streets:

Customer Project: 1-05-473
1017426MER 801-943-3100

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Sanborn® Map Report

Ship To: Bill Bymaster
Simon Bymaster Inc.
1025 East 400 N
Bountiful, UT 84010

Order Date: 12/5/2005 **Completion Date:** 12/5/2005
Inquiry #: 1567664.2
P.O. #: NA
Site Name: T5S R21E Section 15
Address: T5S R21E Section 15
City/State: Vernal, UT 84078
Cross Streets:

Customer Project: 1-05-473
017426MER 801-943-3100

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APPENDIX F

BUREAU OF LAND MANAGEMENT RECORDS

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election for delegates shall be conducted, the returns made, the result ascertained, and the certificate of persons elected to such convention issued in the same manner as is prescribed by the laws of said Territory regulating elections therein of members of the legislature. Persons possessing the qualifications entitling them to vote for delegates under this Act shall be entitled to vote on the ratification or rejection of the constitution, under such rules or regulations as said convention may prescribe, not in conflict with this Act.

SEC. 3. That the delegates to the convention thus elected shall meet at the seat of government of said Territory on the first Monday in March eighteen hundred and ninety-five, and, after organization, shall declare on behalf of the people of said proposed State that they adopt the Constitution of the United States, whereupon the said convention shall be, and is hereby, authorized to form a constitution and State government for said proposed State.

The constitution shall be republican in form, and make no distinction in civil or political rights on account of race or color, except as to Indians not taxed, and not to be repugnant to the Constitution of the United States and the principles of the Declaration of Independence. And said convention shall provide, by ordinance irrevocable without the consent of the United States and the people of said State—

First. That perfect toleration of religious sentiment shall be secured, and that no inhabitant of said State shall ever be molested in person or property on account of his or her mode of religious worship: *Provided*, That polygamous or plural marriages are forever prohibited.

Second. That the people inhabiting said proposed State do agree and declare that they forever disclaim all right and title to the unappropriated public lands lying within the boundaries thereof, and to all lands lying within said limits owned or held by any Indian or Indian tribes; and that until the title thereto shall have been extinguished by the United States, the same shall be and remain subject to the disposition of the United States, and said Indian lands shall remain under the absolute jurisdiction and control of the Congress of the United States; that the lands belonging to citizens of the United States residing without the said State shall never be taxed at a higher rate than the lands belonging to residents thereof; that no taxes shall be imposed by the State on lands or property therein belonging to or which may hereafter be purchased by the United States or reserved for its use; but nothing herein, or in the ordinance herein provided for, shall preclude the said State from taxing, as other lands are taxed, any lands owned or held by any Indian who has severed his tribal relations and has obtained from the United States or from any person a title thereto by patent or other grant, save and except such lands as have been or may be granted to any Indian or Indians under any Act of Congress containing a provision exempting the lands thus granted from taxation; but said ordinance shall provide that all such lands shall be exempt from taxation by said State so long and to such extent as such Act of Congress may prescribe.

Third. That the debts and liabilities of said Territory, under authority of the legislative assembly thereof, shall be assumed and paid by said State.

Fourth. That provision shall be made for the establishment and maintenance of a system of public schools, which shall be open to all the children of said State and free from sectarian control.

SEC. 4. That in case a constitution and State government shall be formed in compliance with the provisions of this Act, the convention forming the same shall provide by ordinance for submitting said constitution to the people of said State for its ratification or rejection, at an election to be held on the Tuesday next after the first Monday in November, eighteen hundred and ninety-five, at which election the qualified voters of said proposed State shall vote directly for or against the proposed constitution, and for or against any provisions separately submitted. The return of said election shall be made to the said Utah

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commission, who shall cause the same to be canvassed, and if a majority of the votes cast on that question shall be for the constitution, shall certify the result to the President of the United States, together with a statement of the votes cast thereon, and upon separate articles or propositions, and a copy of said constitution, articles, propositions, and ordinances. And if the constitution and government of said proposed State are republican in form, and if all the provisions of this Act have been complied with in the formation thereof, it shall be the duty of the President of the United States to issue his proclamation announcing the result of said election, and thereupon the proposed State of Utah shall be deemed admitted by Congress into the Union, under and by virtue of this Act, on an equal footing with the original States, from and after the date of said proclamation.

SEC. 5. That until the next general census, or until otherwise provided by law, said State shall be entitled to one Representative in the House of Representatives of the United States, which Representative in the Fifty-fourth Congress, together with the governor and other officers provided for in said constitution, may be elected on the same day of the election for the adoption of the constitution; and until said State officers are elected and qualified under the provisions of the constitution, and the State is admitted into the Union, the Territorial officers shall continue to discharge the duties of the respective offices in said Territory.

SEC. 6. That upon the admission of said State into the Union, sections numbered two, sixteen, thirty-two, and thirty-six in every township of said proposed State, and where such sections or any parts thereof have been sold or otherwise disposed of by or under the authority of any Act of Congress, other lands equivalent thereto, in legal subdivisions of not less than one quarter section and as contiguous as may be to the section in lieu of which the same is taken, are hereby granted to said State for the support of common schools, such indemnity lands to be selected within said State in such manner as the legislature may provide, with the approval of the Secretary of the Interior: *Provided*, That the second, sixteenth, thirty-second, and thirty-sixth sections embraced in permanent reservations for national purposes shall not, at any time, be subject to the grants nor to the indemnity provisions of this Act, nor shall any lands embraced in Indian, military, or other reservations of any character be subject to the grants or to the indemnity provisions of this Act until the reservation shall have been extinguished and such lands be restored to and become a part of the public domain.

SEC. 7. That upon the admission of said State into the Union, in accordance with the provisions of this Act, one hundred sections of the unappropriated lands within said State to be selected and located in legal subdivisions as provided in section six of this Act, shall be, and are hereby, granted to said State for the purpose of erecting public buildings at the capital of said State, when permanently located, for legislative, executive, and judicial purposes.

SEC. 8. That lands to the extent of two townships in quantity, authorized by the third section of the Act of February twenty-one, eighteen hundred and fifty-five, to be reserved for the establishment of the University of Utah, are hereby granted to the State of Utah for university purposes, to be held and used in accordance with the provisions of this section; and any portions of said lands that may not have been selected by said Territory may be selected by said State. That in addition to the above, one hundred and ten thousand acres of land, to be selected and located as provided in the foregoing section of this Act, and including all saline lands in said State, are hereby granted to said State, for the use of the said university, and two hundred thousand acres for the use of an agricultural college therein. That the proceeds of the sale of said lands, or any portion thereof, shall constitute permanent funds, to be safely invested and held by said State, and the income thereof to be

used exclusively for the purposes of such university and agricultural college respectively.

SEC. 9. That five per centum of the proceeds of the sales of public lands lying within said State, which shall be sold by the United States subsequent to the admission of said State into the Union, after deducting all the expenses incident to the same, shall be paid to the said State, to be used as a permanent fund, the interest of which only shall be expended for the support of the common schools within said State.

SEC. 10. That the proceeds of lands herein granted for educational purposes, except as hereinafter otherwise provided, shall constitute a permanent school fund, the interest of which only shall be expended for the support of said schools, and such land shall not be subject to preemption, homestead entry, or any other entry under the land laws of the United States, whether surveyed or unsurveyed, but shall be surveyed for school purposes only.

SEC. 11. The schools, colleges, and university provided for in this Act shall forever remain under the exclusive control of said State, and no part of the proceeds arising from the sale or disposal of any lands herein granted for educational purposes, or of the income thereof, shall be used for the support of any sectarian or denominational school, college, or university.

SEC. 12. That in lieu of the grant of land for purposes of internal improvement made to new States by the eighth section of the Act of September ninth, eighteen hundred and forty-one, which section is hereby repealed as to said State, and in lieu of any claim or demand by the State of Utah under the Act of September twenty-eighth, eighteen hundred and fifty, and section twenty-four hundred and seventy-nine of the Revised Statutes, making a grant of swamp and overflowed lands to certain States, which grant it is hereby declared is not extended to said State of Utah, the following grants of land are hereby made to said State, for the purposes indicated, namely:

For the establishment of permanent water reservoirs for irrigating purposes, five hundred thousand acres; for the establishment and maintenance of an insane asylum, one hundred thousand acres; for the establishment and maintenance of a school of mines in connection with the university, one hundred thousand acres; for the establishment and maintenance of a deaf and dumb asylum, one hundred thousand acres; for the establishment and maintenance of a reform school, one hundred thousand acres; for establishment and maintenance of State normal schools, one hundred thousand acres; for the establishment and maintenance of an institution for the blind, one hundred thousand acres; for a miners' hospital for disabled miners, fifty thousand acres. The United States penitentiary near Salt Lake City and all lands and appurtenances connected therewith and set apart and reserved therefor are hereby granted to the State of Utah.

The said State of Utah shall not be entitled to any further or other grants of land for any purpose than as expressly provided in this Act, and the lands granted by this section shall be held, appropriated, and disposed of exclusively for the purposes herein mentioned, in such manner as the legislature of the State may provide.

SEC. 13. That all land granted in quantity or as indemnity by this Act shall be selected under the direction of the Secretary of the Interior, from the unappropriated public lands of the United States within the limits of said State of Utah.

SEC. 14. That the State of Utah shall constitute one judicial district, which shall be called the district of Utah, and the circuit and district courts thereof shall be held at the capital of this State for the time being. The judge of said district shall receive a yearly salary of five thousand dollars, payable monthly, and shall reside in his district. There shall be appointed clerks of said courts, who shall keep their offices at the capital of said State. There shall be appointed for said district one district judge, one United States attorney, and one United States marshal. The regular terms of said courts shall be held at the

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place aforesaid on the first Monday in April and the first Monday in November of each year. For judicial purposes, the district of Utah shall be attached to the eighth judicial circuit, and only one grand jury and one petit jury shall be summoned in both of said courts.

SEC. 15. That the circuit and district courts for the district of Utah and the judges thereof respectively, shall possess the same powers and jurisdiction and perform the same duties possessed and required to be performed by the other circuit and district courts and judges of the United States, and shall be governed by the same laws and regulations.

SEC. 16. That the marshal, district attorney, and clerks of the circuit and district courts of the said district of Utah, and all other officers and other persons performing duty in the administration of justice therein, shall severally possess the powers and perform the duties lawfully possessed and required to be performed by similar officers in other districts of the United States, and shall, for the services they may perform, receive the same fees and compensation allowed by law to other similar officers and persons performing similar duties.

SEC. 17. That the convention herein provided for shall have the power to provide, by ordinance, for the transfer of actions, cases, proceedings, and matters pending in the supreme or district courts of the Territory of Utah at the time of the admission of the said State into the Union, to such courts as shall be established under the constitution to be thus formed, or to the circuit or district court of the United States for the district of Utah; and no indictment, action, or proceeding shall abate by reason of any change in the courts, but shall be proceeded with in the State or United States courts according to the laws thereof, respectively. That all cases of appeal or writ of error heretofore prosecuted and now pending in the Supreme Court of the United States upon any record from the supreme court of said Territory, or that may hereafter lawfully be prosecuted upon any record from said court, may be heard and determined by said Supreme Court of the United States; and the mandate of execution or of further proceedings shall be directed by the Supreme Court of the United States to the circuit or district court hereby established within the said State from or to the supreme court of such State, as the nature of the case may require. And the circuit, district, and State courts herein named shall, respectively, be the successors of the supreme court of the Territory as to all such cases arising within the limits embraced within the jurisdiction of such courts, respectively, with full power to proceed with the same, and award mesne or final process therein; and that from all judgments and decrees of the supreme court of the Territory, mentioned in this Act, in any case arising within the limits of the proposed State prior to admission, the parties to such judgment shall have the same right to prosecute appeals and writs of error to the Supreme Court of the United States as they shall have had by law prior to the admission of said State into the Union.

SEC. 18. That the sum of thirty thousand dollars, or so much thereof as may be necessary, is hereby appropriated out of any money in the Treasury not otherwise appropriated, to said Territory for defraying the expenses of said convention and for the payment of the members thereof, under the same rules and regulations and at the same rates as are now provided by law for the payment of the Territorial legislature.

SEC. 19. That the constitutional convention may by ordinance provide for the election of officers for a full State government, including members of the legislature and Representative in the Fifty-fourth Congress, at the time for the election for the ratification or rejection of the constitution; but the said State government shall remain in abeyance until the State shall be admitted into the Union as proposed by this Act. In case the constitution of said State shall be ratified by the people, but not otherwise, the legislature thereof may assemble, organize, and elect two Senators of the United States in the manner now prescribed by the laws of the United States; and the governor

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and secretary of state of the proposed State shall certify the election of the Senators and Representatives in the manner required by law, and when such State is admitted into the Union as provided in this Act, the Senators and Representatives shall be entitled to be admitted to seats in Congress, and to all rights and privileges of Senators and Representatives of other States in the Congress of the United States; and the State government formed in pursuance of said constitution and provided by the constitutional convention, shall proceed to exercise all the functions of State officers; and all laws in force made by said Territory at the time of its admission into the Union shall be in force in said State, except as modified or changed by this Act or by the constitution of the State; and the laws of the United States shall have the same force and effect within the said State as elsewhere within the United States.

SEC. 20. That all Acts or parts of Acts in conflict with the provisions of this Act, whether passed by the legislature of said Territory or by Congress, are hereby repealed.

Approved, July 16, 1894.

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UNITED STATES
DEPARTMENT OF THE INTERIOR

CODE OF FEDERAL REGULATIONS
TITLE 43--PUBLIC LANDS: INTERIOR

CHAPTER II--BUREAU OF LAND MANAGEMENT
APPENDIX--PUBLIC LAND ORDERS

PUBLIC LAND ORDER 4522

(Misc-1375265)

COLORADO - UTAH - WYOMING

WITHDRAWAL FOR OIL SHALE

By virtue of the authority vested in the President and pursuant to Executive Order No. 10355 of May 26, 1952 (17 F.R. 4831), it is ordered as follows:

1. Subject to valid existing rights, the deposits of oil shale and lands containing such deposits, owned by the United States and under the administrative jurisdiction of the Department of the Interior in the following described areas, are hereby withdrawn (1) from appropriation under the United States mining laws relating to metalliferous minerals, and (2) from sodium leasing except as hereafter provided, for protection of the multiple development of the minerals and other resources in the lands:

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Land Office, Salt Lake City, Utah

PL04522
25 pgs.

Vernal

UTAH

Uinta Meridian

T. 1 N., R. 1 E.,
secs. 1 to 36, inclusive.

T. 2 N., R. 1 E.,
secs. 31 to 35, inclusive.

T. 1 N., R. 2 E.,
secs. 6 to 9, inclusive, 14 to 23, inclusive, and 27 to 34, inclusive.

T. 1 N., R. 1 W.,
secs. 1 to 36, inclusive.

T. 2 N., R. 1 W.,
secs. 19, and 25 to 36, inclusive.

T. 1 N., R. 2 W.,
secs. 1 to 36, inclusive.

T. 2 N., R. 2 W.,
secs. 14 to 36, inclusive.

T. 1 N., R. 3 W.,
secs. 1 to 36, inclusive.

T. 2 N., R. 3 W.,
secs. 13 to 15, inclusive, and 20 to 36, inclusive.

T. 1 N., R. 4 W.,
secs. 1 to 3, inclusive, and 8 to 36, inclusive.

T. 2 N., R. 4 W.,
secs. 35 and 36.

T. 1 N., R. 5 W.,
secs. 13, 14, and 20 to 36, inclusive.

T. 1 S., R. 1 E.,
secs. 1 to 36, inclusive.

T. 2 S., R. 1 E.,
secs. 1 to 36, inclusive.

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T. 3 S., R. 1 E.,
secs. 1 to 36, inclusive.

T. 4 S., R. 1 E.,
secs. 1 to 30, inclusive, and 32 to 36, inclusive.

T. 5 S., R. 1 E.,
secs. 1 and 2.

T. 1 S., R. 2 E.,
secs. 3 to 9, inclusive, 16 to 20, inclusive, 30, and 31.

T. 2 S., R. 2 E.,
secs. 5 to 8, inclusive, 16 to 21, inclusive, and 28 to 34, inclusive.

T. 3 S., R. 2 E.,
secs. 3 to 11, inclusive, and 14 to 36, inclusive.

T. 4 S., R. 2 E.,
secs. 1 to 36, inclusive.

T. 5 S., R. 2 E.,
secs. 1 to 12, inclusive, 14 to 17, inclusive, 22, and 23.

T. 4 S., R. 3 E.,
secs. 6, 7, 17 to 20, inclusive, and 28 to 33, inclusive.

T. 5 S., R. 3 E.,
secs. 5 to 8, inclusive.

T. 1 S., R. 1 W.,
secs. 1 to 36, inclusive.

T. 2 S., R. 1 W.,
secs. 1 to 36, inclusive.

T. 3 S., R. 1 W.,
secs. 1 to 36, inclusive.

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Vernal

T. 4 S., R. 1 W.,
secs. 1 to 30, inclusive.

T. 1 S., R. 2 W.,
secs. 1 to 36, inclusive.

T. 2 S., R. 2 W.,
secs. 1 to 36, inclusive.

T. 3 S., R. 2 W.,
secs. 1 to 36, inclusive.

T. 4 S., R. 2 W.,
secs. 1 to 30, inclusive.

T. 1 S., R. 3 W.,
secs. 1 to 36, inclusive.

T. 2 S., R. 3 W.,
secs. 1 to 36, inclusive.

T. 3 S., R. 3 W.,
secs. 1 to 36, inclusive.

T. 4 S., R. 3 W.,
secs. 1 to 36, inclusive.

T. 5 S., R. 3 W.,
secs. 2 to 10, inclusive, 15 to 22, inclusive, and 28 to 33, inclusive.

T. 6 S., R. 3 W.,
secs. 4 to 9, inclusive, 16 to 21, inclusive, 29, and 30.

T. 1 S., R. 4 W.,
secs. 1 to 36, inclusive.

T. 2 S., R. 4 W.,
secs. 1 to 36, inclusive.

T. 3 S., R. 4 W.,
secs. 1 to 36, inclusive.

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T. 4 S., R. 4 W.,
secs. 1 to 36, inclusive.

T. 5 S., R. 4 W.,
secs. 1 to 36, inclusive.

T. 6 S., R. 4 W.,
secs. 1 to 35, inclusive.

T. 7 S., R. 4 W.,
secs. 3 to 10, inclusive, and 15 to 18, inclusive.

T. 1 S., R. 5 W.,
secs. 1 to 36, inclusive.

T. 2 S., R. 5 W.,
secs. 1 to 36, inclusive.

T. 3 S., R. 5 W.,
secs. 1 to 36, inclusive.

T. 4 S., R. 5 W.,
secs. 1 to 36, inclusive.

T. 5 S., R. 5 W.,
secs. 1 to 36, inclusive.

T. 6 S., R. 5 W.,
secs. 1 to 36, inclusive.

T. 7 S., R. 5 W.,
secs. 1 to 7, inclusive, and 9 to 14, inclusive.

T. 1 S., R. 6 W.,
secs. 1 to 5, inclusive, and 7 to 36, inclusive.

T. 2 S., R. 6 W.,
secs. 1 to 36, inclusive.

T. 3 S., R. 6 W.,
secs. 1 to 36, inclusive.

T. 4 S., R. 6 W.,
secs. 1 to 36, inclusive.

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Verial

T. 5 S., R. 6 W.,
secs. 1 to 36, inclusive.

T. 6 S., R. 6 W.,
secs. 1 to 36, inclusive.

T. 7 S., R. 6 W.,
secs. 1 to 6, inclusive, and 8 to 12, inclusive.

T. 1 S., R. 7 W.,
secs. 12 to 14, inclusive, and 20 to 36, inclusive.

T. 2 S., R. 7 W.,
secs. 1 to 36, inclusive.

T. 3 S., R. 7 W.,
secs. 1 to 36, inclusive.

T. 4 S., R. 7 W.,
secs. 1 to 36, inclusive.

T. 5 S., R. 7 W.,
secs. 1 to 36, inclusive.

T. 6 S., R. 7 W.,
secs. 1 to 36, inclusive.

T. 7 S., R. 7 W.,
secs. 1 to 8, inclusive.

T. 1 S., R. 8 W.,
secs. 25 to 27, inclusive, and 34 to 36, inclusive.

T. 2 S., R. 8 W.,
secs. 1 to 36, inclusive.

T. 3 S., R. 8 W.,
secs. 1 to 36, inclusive.

T. 4 S., R. 8 W.,
secs. 1 to 36, inclusive.

T. 5 S., R. 8 W.,
secs. 1 to 36, inclusive.

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T. 6 S., R. 8 W.,
secs. 1 to 36, inclusive.

T. 7 S., R. 8 W.,
secs. 1 to 12, inclusive, and 15 to 18, inclusive.

T. 2 S., R. 9 W.,
secs. 1, 9 to 16, inclusive, and 19 to 36, inclusive.

T. 3 S., R. 9 W.,
secs. 1 to 36, inclusive.

T. 4 S., R. 9 W.,
secs. 1 to 36, inclusive.

T. 5 S., R. 9 W.,
secs. 1 to 36, inclusive.

T. 6 S., R. 9 W.,
secs. 1 to 36, inclusive.

T. 7 S., R. 9 W.,
secs. 1 to 16, inclusive.

T. 2 S., R. 10 W.,
secs. 25 to 27, inclusive, and 33 to 36, inclusive.

T. 3 S., R. 10 W.,
secs. 1 to 36, inclusive.

T. 4 S., R. 10 W.,
secs. 1 to 36, inclusive.

T. 5 S., R. 10 W.,
secs. 1 to 19, inclusive, 21 to 27, inclusive, 30, and 34 to 36, inclusive.

T. 6 S., R. 10 W.,
secs. 1 to 3, inclusive, 11 to 14, inclusive, 23 to 26, inclusive, and 36.

T. 7 S., R. 10 W.,
sec. 1.

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Vernal
SL
Tabure

T. 3 S., R. 11 W.,
secs. 1 to 36, inclusive.

T. 4 S., R. 11 W.,
secs. 1 to 36, inclusive.

T. 5 S., R. 11 W.,
secs. 1 to 35, inclusive.

T. 6 S., R. 11 W.,
secs. 4 to 6, inclusive.

T. 3 S., R. 12 W.,
secs. 1 to 6, inclusive, 8 to 17, inclusive, 20 to 29, inclusive, and 33 to 36, inclusive.

T. 4 S., R. 12 W.,
secs. 1 to 3, inclusive, 10 to 15, inclusive, 22 to 28, inclusive, and 33 to 36, inclusive.

T. 5 S., R. 12 W.,
secs. 1 to 4, inclusive, 9 to 16, inclusive, and 21 to 25, inclusive.

Salt Lake Meridian

T. 14 S., R. 1 W.,
secs. 20, 21, 27 to 29, inclusive, and 31 to 34, inclusive.

T. 15 S., R. 1 W.,
secs. 1 to 36, inclusive.

T. 16 S., R. 1 W.,
secs. 1 to 36, inclusive.

T. 17 S., R. 1 W.,
secs. 1 to 18, inclusive, 20 to 29, inclusive, and 32 to 36, inclusive.

T. 18 S., R. 1 W.,
secs. 1 to 5, inclusive, 8 to 17, inclusive, 20 to 29, inclusive, and 32 to 36, inclusive.

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Fillmore
Richfield

T. 19 S., R. 1 W.,
secs. 1 to 5, inclusive, 8 to 17, inclusive, 20 to 29, inclusive, and 31 to 36, inclusive.

T. 20 S., R. 1 W.,
secs. 1 to 5, inclusive, and 7 to 36, inclusive.

T. 21 S., R. 1 W.,
secs. 1 to 24, inclusive, and 26 to 33, inclusive.

T. 22 S., R. 1 W.,
secs. 6 and 36.

T. 15 S., R. 1½ W.,
secs. 11 to 14, inclusive, 25, 26, 35, and 36.

T. 20 S., R. 1½ W.,
secs. 25 and 36.

T. 20 S., R. 2 W.,
secs. 35 and 36.

T. 21 S., R. 2 W.,
secs. 1 to 5, inclusive, 8 to 17, inclusive, 20 to 29, inclusive, and 32 to 36, inclusive.

T. 22 S., R. 2 W.,
secs. 1 to 5, inclusive, 9 to 11, inclusive, 14 to 16, inclusive, 22, and 27 to 33, inclusive.

T. 23 S., R. 2 W.,
secs. 4 to 8, inclusive, 18, and 19.

T. 23 S., R. 3 W.,
secs. 2, 10, 13 to 15, inclusive, 21 to 29, inclusive, and 32 to 35, inclusive.

T. 15 S., R. 1 E.,
secs. 7, 18, 24, 25, 31 to 33, inclusive, and 36.

T. 16 S., R. 1 E.,
secs. 1, and 3 to 36, inclusive.

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Talmore
Richfield

T. 17 S., R. 1 E.,
secs. 1 to 11, inclusive, and 14 to 36, inclusive.

T. 18 S., R. 1 E.,
secs. 1 to 23, inclusive, and 26 to 35, inclusive.

T. 19 S., R. 1 E.,
secs. 2 to 11, inclusive, 14 to 23, inclusive, and 26 to 35, inclusive.

T. 20 S., R. 1 E.,
secs. 2 to 11, inclusive, 14 to 23, inclusive, 26 to 34, inclusive, and 36.

T. 21 S., R. 1 E.,
secs. 1, 4 to 9, inclusive, 11 to 14, inclusive, 17 to 19, inclusive, 22 to 28, inclusive, and 32 to 35, inclusive.

T. 22 S., R. 1 E.,
secs. 2 to 5, inclusive, 8 to 11, inclusive, 14 to 17, inclusive, and 19 to 36, inclusive.

T. 23 S., R. 1 E.,
secs. 1 to 18, inclusive, 20 to 29, inclusive, and 32 to 36, inclusive.

T. 24 S., R. 1 E.,
secs. 1 to 4, inclusive, 9 to 16, inclusive, and 21 to 24, inclusive.

T. 15 S., R. 2 E.,
secs. 29 to 33, inclusive.

T. 16 S., R. 2 E.,
secs. 5 to 8, inclusive, 17 to 20, inclusive, 24, 25, 29 to 32, inclusive, 35, and 36.

T. 17 S., R. 2 E.,
secs. 1 to 3, inclusive, 5, 6, 10 to 15, inclusive, 19, 22 to 27, inclusive, 30, 31, and 34 to 36, inclusive.

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Filmore

T. 18 S., R. 2 E.,
secs. 1 to 3, inclusive, 5 to 7, inclusive, 10 to 12, inclusive, 15, 21, 22, 27, 28, 33, and 34.

T. 19 S., R. 2 E.,
secs. 4, 5, 8 to 11, inclusive, 14 to 17, inclusive, 20 to 23, inclusive, 26 to 29, inclusive, and 32 to 34, inclusive.

T. 20 S., R. 2 E.,
secs. 3 to 5, inclusive, 8, 9, 16 to 21, inclusive, and 28 to 33, inclusive.

T. 21 S., R. 2 E.,
secs. 5 to 8, inclusive, and 17 to 19, inclusive.

T. 23 S., R. 2 E.,
secs. 6, 7, 18, 19, 30, and 31.

T. 24 S., R. 2 E.,
secs. 6, 7, and 17 to 20, inclusive.

T. 12 S., R. 3 E.,
secs. 24, 25, and 36.

T. 13 S., R. 3 E.,
secs. 1 to 5, inclusive, 8 to 17, inclusive, 22 to 27, inclusive, and 34 to 36, inclusive.

T. 14 S., R. 3 E.,
secs. 1 to 3, inclusive, 9 to 16, inclusive, 21 to 28, inclusive, and 33 to 36, inclusive.

T. 15 S., R. 3 E.,
secs. 1 to 4, inclusive, 9 to 16, inclusive, 21 to 29, inclusive, and 32 to 36, inclusive.

T. 16 S., R. 3 E.,
secs. 1 to 5, inclusive, and 7 to 36, inclusive.

T. 17 S., R. 3 E.,
secs. 2 to 10, inclusive, 15 to 22, inclusive, and 28 to 33, inclusive.

T. 18 S., R. 3 E.,
secs. 5 to 8, inclusive.

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S.L.
Johnson
Price

T. 8 S., R. 4 E.,
secs. 25 and 36.

T. 9 S., R. 4 E.,
secs. 1 to 4, inclusive, 9 to 13, inclusive, and 21 to 28, inclusive.

T. 10 S., R. 4 E.,
secs. 15 to 17, inclusive, 20 to 22, inclusive, 27 to 29, inclusive, and 36.

T. 11 S., R. 4 E.,
secs. 1, 12, and 13.

T. 12 S., R. 4 E.,
secs. 9, 12 to 14, inclusive, and 16 to 35, inclusive.

T. 13 S., R. 4 E.,
secs. 2 to 11, inclusive, 14 to 23, inclusive, and 25 to 36, inclusive.

T. 14 S., R. 4 E.,
secs. 1 to 35, inclusive.

T. 15 S., R. 4 E.,
secs. 2 to 11, inclusive, 15 to 22, inclusive, and 28 to 32, inclusive.

T. 16 S., R. 4 E.,
secs. 6, 7, and 18.

T. 7 S., R. 5 E.,
secs. 1, 2, 10 to 16, inclusive, 20 to 31, inclusive, and 33 to 36, inclusive.

T. 8 S., R. 5 E.,
secs. 1, 2, 4, 8, 9, 12, 13, 16 to 20, inclusive, 30, and 31.

T. 9 S., R. 5 E.,
secs. 11 to 15, inclusive, 21 to 29, inclusive, and 32 to 36, inclusive.

T. 10 S., R. 5 E.,
secs. 1 to 24, inclusive, and 28 to 32, inclusive.

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SL
Falcon
Price

T. 11 S., R. 5 E.,
secs. 6 and 7.

T. 14 S., R. 5 E.,
secs. 18 and 19.

T. 7 S., R. 6 E.,
secs. 4 to 9, inclusive, 16 to 22, inclusive, and 26 to 35, inclusive.

T. 8 S., R. 6 E.,
secs. 2 to 11, inclusive, 14 to 23, inclusive, and 26 to 35, inclusive.

T. 9 S., R. 6 E.,
secs. 3 to 9, inclusive, and 11 to 36, inclusive.

T. 10 S., R. 6 E.,
secs. 1 to 27, inclusive, and 30.

T. 9 S., R. 7 E.,
secs. 19, 24 to 26, inclusive, and 30 to 36, inclusive.

T. 10 S., R. 7 E.,
secs. 1 to 22, inclusive, and 24.

T. 9 S., R. 8 E.,
secs. 15 to 17, inclusive, 19 to 23, inclusive, and 26 to 35, inclusive.

T. 10 S., R. 8 E.,
secs. 2 to 29, inclusive, and 32 to 36, inclusive.

T. 11 S., R. 8 E.,
secs. 1 to 4, inclusive, and 9 to 14, inclusive.

T. 10 S., R. 9 E.,
sec. 31.

T. 11 S., R. 9 E.,
secs. 3 to 28, inclusive.

T. 11 S., R. 10 E.,
secs. 1, and 7 to 36, inclusive.

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Price

T. 10 S., R. 11 E.,
secs. 34 to 36, inclusive.

T. 11 S., R. 11 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 11 E.,
secs. 1 to 4, inclusive, and 11 to 13, inclusive.

T. 10 S., R. 12 E.,
secs. 31 and 32.

T. 11 S., R. 12 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 12 E.,
secs. 1 to 24, inclusive.

T. 10 S., R. 13 E.,
secs. 31 and 34.

T. 11 S., R. 13 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 13 E.,
secs. 1 to 30, inclusive, and 32 to 36, inclusive.

T. 13 S., R. 13 E.,
secs. 1 to 4, inclusive, 9 to 16, inclusive, 21 to 28, inclusive, and 33 to 36, inclusive.

T. 14 S., R. 13 E.,
secs. 1 to 3, inclusive, 10 to 14, inclusive, and 24.

T. 10 S., R. 14 E.,
secs. 24 to 26, inclusive, 35, and 36.

T. 11 S., R. 14 E.,
secs. 1 to 3, inclusive, and 7 to 36, inclusive.

T. 12 S., R. 14 E.,
secs. 1 to 36, inclusive.

T. 13 S., R. 14 E.,
secs. 1 to 36, inclusive.

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Price
Vernal

T. 14 S., R. 14 E.,
secs. 1 to 30, inclusive, and 33 to 36, inclusive.

T. 15 S., R. 14 E.,
secs. 1 to 4, inclusive, 9 to 16, inclusive, 21 to 28, inclusive, and 33 to 36, inclusive.

T. 16 S., R. 14 E.,
sec. 1.

T. 8 S., R. 15 E.,
secs. 24 to 26, inclusive, 35, and 36.

T. 9 S., R. 15 E.,
secs. 1 to 3, inclusive, 10 to 15, inclusive, 22 to 27, inclusive, and 33 to 36, inclusive.

T. 10 S., R. 15 E.,
secs. 1 to 4, inclusive, 9 to 17, inclusive, and 19 to 36, inclusive.

T. 11 S., R. 15 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 15 E.,
secs. 1 to 36, inclusive.

T. 13 S., R. 15 E.,
secs. 1 to 36, inclusive.

T. 14 S., R. 15 E.,
secs. 1 to 36, inclusive.

T. 15 S., R. 15 E.,
secs. 1 to 36, inclusive.

T. 16 S., R. 15 E.,
secs. 1 to 3, inclusive, 5 to 8, inclusive, 11 to 13, inclusive, 17, and 18.

T. 8 S., R. 16 E.,
secs. 13 to 15, inclusive, and 19 to 36, inclusive.

T. 9 S., R. 16 E.,
secs. 1 to 36, inclusive.

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Carbon
Price

T. 10 S., R. 16 E.,
secs. 1 to 36, inclusive.

T. 11 S., R. 16 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 16 E.,
secs. 1 to 36, inclusive.

T. 13 S., R. 16 E.,
secs. 1 to 36, inclusive.

T. 14 S., R. 16 E.,
secs. 1 to 36, inclusive.

T. 15 S., R. 16 E.,
secs. 1 to 36, inclusive.

T. 16 S., R. 16 E.,
secs. 1 to 29, inclusive, and 32 to 36, inclusive.

T. 17 S., R. 16 E.,
secs. 1, 2, and 11 to 13, inclusive.

T. 8 S., R. 17 E.,
secs. 14 to 36, inclusive.

T. 9 S., R. 17 E.,
secs. 1 to 36, inclusive.

T. 10 S., R. 17 E.,
secs. 1 to 36, inclusive.

T. 11 S., R. 17 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 17 E.,
secs. 1 to 24, inclusive, and 27 to 34, inclusive.

T. 13 S., R. 17 E.,
secs. 1, 3 to 9, inclusive, 12, 13, 16 to 22, inclusive,
24, 25, 27 to 33, inclusive, and 36.

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Price
Vernal

T. 14 S., R. 17 E.,
secs. 1, 2, 4 to 8, inclusive, 10 to 15, inclusive, 17 to 20, inclusive, 22 to 28, inclusive, 30, 31, and 33 to 36, inclusive.

T. 15 S., R. 17 E.,
secs. 1 to 4, inclusive, 6, 7, 10 to 15, inclusive, 17 to 20, inclusive, 22 to 27, inclusive, 29 to 32, inclusive, and 34 to 36, inclusive.

T. 16 S., R. 17 E.,
secs. 1, 4 to 9, inclusive, 12, 13, 16 to 21, inclusive, 24, 25, and 28 to 33, inclusive.

T. 17 S., R. 17 E.,
secs. 4 to 7, inclusive.

T. 8 S., R. 18 E.,
secs. 19 to 21, inclusive, and 25 to 36, inclusive.

T. 9 S., R. 18 E.,
secs. 1 to 36, inclusive.

T. 10 S., R. 18 E.,
secs. 1 to 36, inclusive.

T. 11 S., R. 18 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 18 E.,
secs. 1 to 36, inclusive.

T. 13 S., R. 18 E.,
secs. 1 to 36, inclusive.

T. 14 S., R. 18 E.,
secs. 1 to 36, inclusive.

T. 15 S., R. 18 E.,
secs. 1 to 36, inclusive.

T. 16 S., R. 18 E.,
secs. 1 to 5, inclusive, 8 to 17, inclusive, 20 to 29, inclusive, 35, and 36.

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Vernal

T. 17 S., R. 18 E.,
secs. 1 to 3, inclusive, 10 to 14, inclusive, 23 to 26, inclusive, 35, and 36.

T. 4 S., R. 19 E.,
secs. 12 to 14, inclusive, 23 to 26, inclusive, and 34 to 36, inclusive.

T. 5 S., R. 19 E.,
secs. 1 to 3, inclusive, 9 to 17, inclusive, 20 to 29, inclusive, and 32 to 36, inclusive.

T. 6 S., R. 19 E.,
secs. 1 to 5, inclusive, 9 to 16, inclusive, 22 to 27, inclusive, and 34 to 36, inclusive.

T. 7 S., R. 19 E.,
secs. 1, 2, 11 to 13, inclusive, and 24.

T. 8 S., R. 19 E.,
secs. 31 and 32.

T. 9 S., R. 19 E.,
secs. 1, and 4 to 36, inclusive.

T. 10 S., R. 19 E.,
secs. 1 to 36, inclusive.

T. 11 S., R. 19 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 19 E.,
secs. 1 to 36, inclusive.

T. 13 S., R. 19 E.,
secs. 1 to 36, inclusive.

T. 14 S., R. 19 E.,
secs. 1 to 36, inclusive.

T. 15 S., R. 19 E.,
secs. 1 to 36, inclusive.

T. 16 S., R. 19 E.,
secs. 1 to 36, inclusive.

APPROVED
SEP 15 2008
DIV. OIL GAS & MINING

Vernal

T. 17 S., R. 19 E.,
secs. 1 to 17, inclusive, and 20 to 36, inclusive.

T. 18 S., R. 19 E.,
secs. 1 to 6, inclusive, 8 to 17, inclusive, 21 to 28, inclusive, 35, and 36.

T. 19 S., R. 19 E.,
secs. 1 and 2.

T. 4 S., R. 20 E.,
secs. 17 to 22, inclusive, and 25 to 36, inclusive.

T. 5 S., R. 20 E.,
secs. 1 to 36, inclusive.

T. 6 S., R. 20 E.,
secs. 1 to 36, inclusive.

T. 7 S., R. 20 E.,
secs. 1 to 36, inclusive.

T. 8 S., R. 20 E.,
secs. 1 to 6, inclusive, 8 to 17, inclusive, 21 to 28, inclusive, and 32 to 36, inclusive.

T. 9 S., R. 20 E.,
secs. 1 to 36, inclusive.

T. 10 S., R. 20 E.,
secs. 1 to 36, inclusive.

T. 11 S., R. 20 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 20 E.,
secs. 1 to 36, inclusive.

T. 13 S., R. 20 E.,
secs. 1 to 36, inclusive.

T. 14 S., R. 20 E.,
secs. 1 to 36, inclusive.

T. 15 S., R. 20 E.,
secs. 1 to 23, inclusive, and 25 to 36, inclusive.

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Vernal

T. 16 S., R. 20 E.,
secs. 1 to 36, inclusive.

T. 17 S., R. 20 E.,
secs. 1 to 11, inclusive, 14 to 33, inclusive, 35, and 36.

T. 18 S., R. 20 E.,
secs. 1 to 11, inclusive, 13 to 15, inclusive, 17 to 20, inclusive, 22 to 27, inclusive, 30 to 32, inclusive, 34, and 35.

T. 19 S., R. 20 E.,
sec. 6.

T. 4 S., R. 21 E.,
sec. 31.

T. 5 S., R. 21 E.,
secs. 5 to 9, inclusive, 15 to 23, inclusive, and 25 to 36, inclusive.

T. 6 S., R. 21 E.,
secs. 1 to 36, inclusive.

T. 7 S., R. 21 E.,
secs. 1 to 36, inclusive.

T. 8 S., R. 21 E.,
secs. 1 to 36, inclusive.

T. 9 S., R. 21 E.,
secs. 1 to 36, inclusive.

T. 10 S., R. 21 E.,
secs. 1 to 36, inclusive.

T. 11 S., R. 21 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 21 E.,
secs. 1 to 36, inclusive.

T. 13 S., R. 21 E.,
secs. 1 to 9, inclusive, 11 to 14, inclusive, 16 to 21, inclusive, 23, 24, and 28 to 32, inclusive.

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DIV. OIL GAS

Vernal Monticello

T. 14 S., R. 21 E.,
secs. 5 to 8, inclusive, 17 to 19, inclusive, and 22 to 36, inclusive.

T. 15 S., R. 21 E.,
secs. 1 to 36, inclusive.

T. 15½ S., R. 21 E.,
secs. 31 to 36, inclusive.

T. 16 S., R. 21 E.,
secs. 1 to 36, inclusive.

T. 17 S., R. 21 E.,
secs. 1 to 36, inclusive.

T. 18 S., R. 21 E.,
secs. 1 to 24, inclusive, and 26 to 32, inclusive.

T. 5 S., R. 22 E.,
sec. 31.

T. 6 S., R. 22 E.,
secs. 4 to 36, inclusive.

T. 7 S., R. 22 E.,
secs. 1 to 36, inclusive.

T. 8 S., R. 22 E.,
secs. 1 to 36, inclusive.

T. 9 S., R. 22 E.,
secs. 1 to 36, inclusive.

T. 10 S., R. 22 E.,
secs. 1 to 36, inclusive.

T. 11 S., R. 22 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 22 E.,
secs. 1 to 36, inclusive.

T. 13 S., R. 22 E.,
secs. 1 to 30, inclusive, and 32 to 36, inclusive.

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DIV. OIL GAS

Vernal Mont.

T. 14 S., R. 22 E.,
secs. 1 to 4, inclusive, 9 to 15, inclusive, and 22 to 27, inclusive.

T. 15 S., R. 22 E.,
secs. 16 to 23, inclusive, and 26 to 35, inclusive.

T. 15½ S., R. 22 E.,
secs. 31 to 36, inclusive.

T. 16 S., R. 22 E.,
secs. 1 to 36, inclusive.

T. 17 S., R. 22 E.,
secs. 2 to 11, inclusive, 16 to 20, inclusive, 28 to 30, inclusive, 32, and 33.

T. 6 S., R. 23 E.,
secs. 13 to 36, inclusive.

T. 7 S., R. 23 E.,
secs. 1 to 36, inclusive.

T. 8 S., R. 23 E.,
secs. 1 to 36, inclusive.

T. 9 S., R. 23 E.,
secs. 1 to 36, inclusive.

T. 10 S., R. 23 E.,
secs. 1 to 36, inclusive.

T. 11 S., R. 23 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 23 E.,
secs. 1 to 36, inclusive.

T. 13 S., R. 23 E.,
secs. 1 to 30, inclusive, and 34 to 36, inclusive.

T. 14 S., R. 23 E.,
secs. 1 to 3, inclusive, 9 to 16, inclusive, 18, 19, and 24.

APPROVED
SEP 15 2008
DIV. OIL GAS & MINING

Vernal mont.

T. 15½ S., R. 23 E.,
secs. 31 and 32.

T. 16 S., R. 23 E.,
secs. 4 to 9, inclusive, 16 to 21, inclusive, 30, and 31.

T. 6 S., R. 24 E.,
secs. 19 to 23, inclusive, and 25 to 36, inclusive.

T. 7 S., R. 24 E.,
secs. 1 to 36, inclusive.

T. 8 S., R. 24 E.,
secs. 1 to 36, inclusive.

T. 9 S., R. 24 E.,
secs. 1 to 36, inclusive.

T. 10 S., R. 24 E.,
secs. 1 to 36, inclusive.

T. 11 S., R. 24 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 24 E.,
secs. 1 to 36, inclusive.

T. 13 S., R. 24 E.,
secs. 1 to 24, inclusive, and 28 to 31, inclusive.

T. 14 S., R. 24 E.,
secs. 7, 18, and 19.

T. 6 S., R. 25 E.,
secs. 29 to 33, inclusive.

T. 7 S., R. 25 E.,
secs. 5 to 9, inclusive, 15 to 22, inclusive, and 26 to 35, inclusive.

T. 8 S., R. 25 E.,
secs. 1 to 36, inclusive.

T. 9 S., R. 25 E.,
secs. 1 to 36, inclusive.

APPROVED
SEP 15 2008
DIV. OIL GAS & MINING

Vernal

T. 10 S., R. 25 E.,
secs. 1 to 36, inclusive.

T. 11 S., R. 25 E.,
secs. 1 to 36, inclusive.

T. 12 S., R. 25 E.,
secs. 5 to 8, inclusive, 17 to 20, inclusive, 29, and 30.

T. 13 S., R. 25 E.,
secs. 4 to 9, inclusive, 16, and 17.

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2. The lands, or portions thereof, including deposits of trona in Wyoming, may be leased for sodium development where the Secretary of the Interior or his delegate finds that the development of these sodium deposits would not adversely affect the oil shale values of the lands. Any sodium prospecting permit or preference right lease that may issue on these oil shale lands will be restricted to those beds valuable for sodium which the Secretary of the Interior or his delegate determines to be workable without removal of significant amounts of organic matter and without significant damage to oil shale beds. Extractive operations on competitive sodium leases will be restricted to those beds valuable for sodium which the Secretary of the Interior or his delegate determines to be workable without removal of significant amounts of organic matter and without significant damage to oil shale beds.

3. Leases or permits in effect on January 27, 1967, are not affected by this order except that in negotiations of any renewals thereof, the provisions of paragraph 2 of this order will apply.

4. This order supplements but does not otherwise affect the withdrawal for oil shale made by Executive Order 5327 of April 15, 1930, and modifications thereof.

Stewart L. Udall

SEP 1 3 1968

Secretary of the Interior

APPROVED
SEP 15 2008
DIV. OIL GAS & MINING

APPROVED

SEP 15 2008

DIV. OIL GAS & MINING

Copy from

Utah 029004

The United States of America

To all to whom these presents shall come, Greeting:

WHEREAS, In pursuance of the provisions of the Revised Statutes of the United States, Chapter Six, Title Thirty-two, and legislation supplemental thereto, there is now deposited in the Bureau of Land Management of the United States a Certificate of the Land Office at Salt Lake City, Utah, accompanied by other evidence, whereby it appears that

the Sohio Petroleum Company,

did on November 16, 1962 duly enter and pay for that certain mining claim or premises known as the Enterprise No. 6 placer mining claim, situate in Uintah County, Utah, described as follows:

Salt Lake Meridian, Utah.

T. 4 S., R. 20 E.,

Sec. 23, Lots 1 and 2, W½NE¼.

The premises herein granted contain 151.55 acres.

APPROVED

SEP 15 2008

DIV. OIL GAS & MINING

Patent No. 1220921

Utah 029004

NOW KNOW YE, That there is therefore, pursuant to the laws aforesaid, hereby granted by the United States unto the said

Sohio Petroleum Company

and to its successors, the said placer mining premises, hereinbefore described:

TO HAVE AND TO HOLD said mining premises, together with all the rights, privileges, immunities, and appurtenances of whatsoever nature thereunto belonging, unto the said grantee above named and to its successors and assigns forever; subject, nevertheless, to the following conditions and stipulations:

FIRST. That the grant hereby made is restricted in its exterior limits to the boundaries of the said mining premises, and to any veins or lodes of quartz or other rock in place bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, which may have been discovered within said limits subsequent to and which were not known to exist on October 14, 1962.

SECOND. That should any vein or lode of quartz or other rock in place bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, be claimed or known to exist within the above-described premises at said last-named date, the same is expressly excepted and excluded from these presents.

THIRD. That the premises hereby conveyed shall be held subject to any vested and accrued water rights for mining, agricultural, manufacturing, or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local laws, customs, and decisions of the courts. And there is reserved from the lands hereby granted a right-of-way thereon for ditches or canals constructed by the authority of the United States.

FOURTH. That in the absence of necessary legislation by Congress, the Legislature of Utah may provide rules for working the mining claim or premises hereby granted, involving easements, drainage, and other necessary means to the complete development thereof.

APPROVED
SEP 15 2008
DIV. OIL GAS & MINING

IN TESTIMONY WHEREOF, the undersigned authorized officer of the Bureau of Land Management, in accordance with the provisions of the Act of June 17, 1948 (62 Stat. 476), has, in the name of the United States, caused these letters to be made Patent, and the Seal of the Bureau to be hereunto affixed.

GIVEN under my hand, in the District of Columbia, the SIXTH day of DECEMBER in the year of our Lord one thousand nine hundred and SIXTY-TWO and of the Independence of the United States the one hundred and EIGHTY-SEVENTH.

[SEAL]

For the Director, Bureau of Land Management.

By Elizabeth B. Hucke
Chief, Patents Section.

Patent No. 1229921

Vernal 05630.

G-1040-R.

The United States of America,

To all to whom these presents shall come, Greeting:

WHEREAS, in pursuance of the Revised Statutes of the United States, there has been deposited in the General Land Office of the United States a Certificate of the Register of the Land Office at Vernal, Utah, whereby it appears that Franklin A. Pope did, on the twenty-fifth day of January, 1916, enter and pay for the southwest quarter of the northwest quarter, the northwest quarter of the southwest quarter and the east half of the southwest quarter of Section four in Township five south of Range twenty-one east of the Salt Lake Meridian, Utah, containing one hundred sixty acres, as shown by the Official Plat of the Survey of the said Land, returned to the General Land Office by the Surveyor-General:

NOW KNOW YE, That the UNITED STATES OF AMERICA, in consideration of the premises, HAS GIVEN AND GRANTED, and by these presents DOES GIVE AND GRANT, unto the said Franklin A. Pope, and to his heirs, the said tract above described; TO HAVE AND TO HOLD the same, together with all the rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the said Franklin A. Pope, and to his heirs and assigns forever; subject to any vested and accrued water rights for mining, agricultural, manufacturing, or other purposes, and rights to ditches and reservoirs used in connection with such water rights, as may be recognized and acknowledged by the local customs, laws and decisions of courts. And there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States.

APPROVED
SEP 15 2008
DIV OIL GAS & MINING

IN TESTIMONY WHEREOF, I, Woodrow Wilson President of the United States of America, have caused these letters to be made Patent, and the seal of the General Land Office to be hereunto affixed.

GIVEN under my hand, at the City of Washington, the NINTH day of MAY in the year of our Lord one thousand nine hundred and SIXTEEN and of the Independence of the United States the one hundred and FORTIETH.

(SEAL)

By the President: Woodrow Wilson

By M. K. Gulick Assistant

L. L. C. Lam

RECORD OF PATENTS: Patent Number 528164

Form 1860-8
(March 1985)

The United States of America

To all to whom these presents shall come, Greeting:

Serial: U-0142289

WHEREAS,

Sohio Oil Shale Company

did on March 22, 1985, duly enter and pay for a certain mining claim or premises, known as the Cameron No. 7 claim, situated in an Unorganized Mining District, Uintah County, Utah, is entitled to a patent under the General Mining Laws, R. S. 2329, 2331, as amended, 30 U.S.C. 35, for the following described mining claim or premises:

Salt Lake Meridian, Utah
T. 5 S., R. 21 E.,
section 25, SW¼.
Containing 160.00 acres;

NOW KNOW YE, that there is, therefore, granted by the UNITED STATES unto the above named claimant the said placer mining premises, above described; TO HAVE AND TO HOLD the said premises, with all the rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the said claimant, its heirs and assigns, forever;

EXCEPTING AND RESERVING TO THE UNITED STATES:

1. A right-of-way thereon for ditches and canals constructed by the authority of the United States. Act of August 30, 1890, 26 Stat. 391; 43 U.S.C. 945.

SUBJECT TO the following conditions and stipulations:

1. That the grant hereby made is restricted in its exterior limits to the boundaries of the said mining premises, and to any veins or lodes of quartz or other rock in place bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, which may have been discovered within said limits subsequent to and which were not known to exist on August 11, 1964.

2. That should any vein or lode quartz or other rock in place bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, be known to exist within the above described premises at said last-named date, the same is expressly excepted and excluded from this patent (30 U.S.C. 37).

APPROVED
SEP 15 2008
DIV. OIL GAS & MINING

IN TESTIMONY WHEREOF, the undersigned authorized officer of the Bureau of Land Management, in accordance with the provisions of the Act of June 17, 1948 (62 Stat. 476), has, in the name of the United States, caused these letters to be made Patent, and the Seal of the Bureau to be hereunto affixed.

[SEAL]

GIVEN under my hand, in SALT LAKE CITY, UTAH the THIRD day of JULY in the year of our Lord one thousand nine hundred and EIGHTY-FIVE and of the Independence of the United States the two hundred and NINTH

/s/ORVAL L. HADLEY

By _____
Chief, Branch of Lands & Minerals Operations

Patent Number 43-85-0021

Form 1860-8
(March 1985)

The United States of America

To all to whom these presents shall come, Greeting:

Serial: U-0142287

WHEREAS,

Sohio Oil Shale Company

Said on March 22, 1985, duly enter and pay for a certain mining claim or premises, known as the Cameron No. 5 claim, situated in an Unorganized Mining District, Uintah County, Utah, is entitled to a patent under the General Mining Laws, R. S. 2329, 2331, as amended, 30 U.S.C. 35, for the following described mining claim or premises:

Salt Lake Meridian, Utah
T. 5 S., R. 21 E.,
section 25, lots 9, 10, W½SE¼.
Containing 160.00 acres;

NOW KNOW YE, that there is, therefore, granted by the UNITED STATES unto the above named claimant the said placer mining premises, above described; TO HAVE AND TO HOLD the said premises, with all the rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the said claimant, its heirs and assigns, forever;

EXCEPTING AND RESERVING TO THE UNITED STATES:

1. A right-of-way thereon for ditches and canals constructed by the authority of the United States. Act of August 30, 1890, 26 Stat. 391; 43 U.S.C. 945.

SUBJECT TO the following conditions and stipulations:

1. That the grant hereby made is restricted in its exterior limits to the boundaries of the said mining premises, and to any veins or lodes of quartz or other rock in place bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, which may have been discovered within said limits subsequent to and which were not known to exist on August 11, 1964.

2. That should any vein or lode quartz or other rock in place bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, be known to exist within the above described premises at said last-named date, the same is expressly excepted and excluded from this patent (30 U.S.C. 37).

APPROVED
SEP 15 2008
DIV. OIL GAS & MINING

IN TESTIMONY WHEREOF, the undersigned authorized officer of the Bureau of Land Management, in accordance with the provisions of the Act of June 17, 1948 (62 Stat. 476), has, in the name of the United States, caused these letters to be made Patent, and the Seal of the Bureau to be hereunto affixed.

[SEAL]

GIVEN under my hand, in SALT LAKE CITY, UTAH the THIRD day of JULY in the year of our Lord one thousand nine hundred and EIGHTY FIVE and of the Independence of the United States the two hundred and NINTH

/s/ORVAL L. HADLEY

By _____
Chief, Branch of Lands & Minerals

Patent Number 43-85-0019

Form 1860-8
(March 1985)

The United States of America

To all to whom these presents shall come, Greeting:

Serial: U-0142208

WHEREAS,

Sohio Oil Shale Company

did on March 22, 1985, duly enter and pay for a certain mining claim or premises, known as the Cameron No. 8 claim, situated in an Unorganized Mining District, Uintah County, Utah, is entitled to a patent under the General Mining Laws, R. S. 2329, 2331, as amended, 30 U.S.C. 35, for the following described mining claim or premises:

Salt Lake Meridian, Utah
T. 5 S., R. 21 E.,
section 25, lots 4, 5, SWNW¼.
Containing 156.23 acres;

NOW KNOW YE, that there is, therefore, granted by the UNITED STATES unto the above named claimant the said placer mining premises, above described; TO HAVE AND TO HOLD the said premises, with all the rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the said claimant, its heirs and assigns, forever;

EXCEPTING AND RESERVING TO THE UNITED STATES:

1. A right-of-way thereon for ditches and canals constructed by the authority of the United States. Act of August 30, 1890, 26 Stat. 391; 43 U.S.C. 945.

SUBJECT TO the following conditions and stipulations:

1. That the grant hereby made is restricted in its exterior limits to the boundaries of the said mining premises, and to any veins or lodes of quartz or other rock in place bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, which may have been discovered within said limits subsequent to and which were not known to exist on August 11, 1964.

2. That should any vein or lode quartz or other rock in place bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, be known to exist within the above described premises at said last-named date, the same is expressly excepted and excluded from this patent (30 U.S.C. 37).

APPROVED
SEP 15 2008
DIV. OIL GAS & MINING

IN TESTIMONY WHEREOF, the undersigned authorized officer of the Bureau of Land Management, in accordance with the provisions of the Act of June 17, 1948 (62 Stat. 476), has, in the name of the United States, caused these letters to be made Patent, and the Seal of the Bureau to be hereunto affixed.

[SEAL]

GIVEN under my hand, in SALT LAKE CITY, UTAH the THIRD day of JULY in the year of our Lord one thousand nine hundred and EIGHTY-FIVE and of the Independence of the United States the two hundred and NINTH

/s/ORVAL L. HADLEY

By _____
Chief, Branch of Lands & Minerals Operations

Patent Number 43-85-0020

Vernal 06620.

The United States of Amer[illegible]a

To all to whom these presents shall come, Greeting:

WHEREAS, in pursuance of the Revised Statutes of t[illegible] United States, there has been deposited in the General Land Of[illegible]ce of the United States a Certificate of the Register of the Land [illegible]ffice at Vernal, Utah, whereby it appears that John T. Pope did, [illegible] the tenth day of February, 1916, enter and pay for the Lot [illegible]ree, the northeast quarter of the southwest quarter, the southe[illegible] quarter of the southwest quarter and the southwest quarter of [illegible] southeast quarter of Section thirty-one in Township five south o[illegible]ange twenty-two east of the Salt Lake Meridian, Utah, containing o[illegible]ndred fifty-nine and ninety-two-hundredths acres, as shown by t[illegible] Official Plat of the Survey of the said Land, returned to the G[illegible]ral Land Office by the Surveyor-General:

NOW KNOW YE, That the UNITED STATES OF AMERICA, in consideration of the premises, HAS GIVEN AND GRANTED, and by these presents DOES GIVE AND GRANT, unto the said John T. Pope, and to his heirs, the said tract above described; TO HAVE AND TO HOLD the same, together with all the rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the said John T. Pope, and to his heirs and assigns forever; subject to any vested and accrued water rights for mining, agricultural, manufacturing, or other purposes, and rights to ditches and reservoirs used in connection with such water rights, as may be recognized and acknowledged by the local customs, laws and decisions of courts. And there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States.

IN TESTIMONY WHEREOF, I, Woodrow Wilson

President of the United States of America, have caused these letters to be made Patent, and the seal of the General Land Office to be hereunto affixed.

GIVEN under my hand, at the City of Washington, the TENTH day of JULY in the year of our Lord one thousand nine hundred and SIXTEEN and of the Independence of the United States the one hundred and FORTY-FIRST.

(SEAL)

By the President: Woodrow Wilson

By M. P. Le Roy, Secretary

L. R. C. Lamar

Recorder of the General Land Office

APPROVED

SEP 15 2008

DIV. OIL GAS & MINING

RECORD OF PATENTS: Patent Number 537466

Form 1860-8
(March 1985)

The United States of America

To all to whom these presents shall come, Greeting:

Serial: U-0143734

WHEREAS,

Sohio Oil Shale Company

did on March 22, 1985, duly enter and pay for a certain mining claim or premises, known as the Cameron No. 1 claim, situated in an Unorganized Mining District, Uintah County, Utah, is entitled to a patent under the General Mining Laws, R. S. 2329, 2331, as amended, 30 U.S.C. 35, for the following described mining claim or premises:

Salt Lake Meridian, Utah
T. 5 S., R. 22 E.,
section 31, N½SE¼, SE¼SE¼.
Containing 120.00 acres;

NOW KNOW YE, that there is, therefore, granted by the UNITED STATES unto the above named claimant the said placer mining premises, above described; TO HAVE AND TO HOLD the said premises, with all the rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the said claimant, its heirs and assigns, forever;

EXCEPTING AND RESERVING TO THE UNITED STATES:

1. A right-of-way thereon for ditches and canals constructed by the authority of the United States. Act of August 30, 1890, 26 Stat. 391; 43 U.S.C. 945.

SUBJECT TO the following conditions and stipulations:

1. That the grant hereby made is restricted in its exterior limits to the boundaries of the said mining premises, and to any veins or lodes of quartz or other rock in place bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, which may have been discovered within said limits subsequent to and which were not known to exist on November 2, 1964.

2. That should any vein or lode quartz or other rock in place bearing gold, silver, cinnabar, lead, tin, copper, or other valuable deposits, be known to exist within the above described premises at said last-named date, the same is expressly excepted and excluded from this patent (30 U.S.C. 37).

APPROVED
SEP 15 2008
DIV. OIL GAS & MINING

IN TESTIMONY WHEREOF, the undersigned authorized officer of the Bureau of Land Management, in accordance with the provisions of the Act of June 17, 1948 (62 Stat. 476), has, in the name of the United States, caused these letters to be made Patent, and the Seal of the Bureau to be hereunto affixed.

[SEAL]

GIVEN under my hand, in SALT LAKE CITY, UTAH the THIRD day of JULY in the year of our Lord one thousand nine hundred and EIGHTY FIVE and of the Independence of the United States the two hundred and NINTH

Patent Number 43-85-0022

/s/ORVAL L. HADLEY
By
Chief, Branch of Lands & Minerals Operations

Vernal 05645

4-1040-R

The United States of America,

To all to whom these presents shall come, Greeting:

WHEREAS, in pursuance of the Revised Statutes of the United States, there has been deposited in the General Land Office of the United States a Certificate of the Register of the Land Office at Vernal, Utah, whereby it appears that Minnie M. Pope did, on the tenth day of February, 1916, enter and pay for the southwest quarter of the northeast quarter, the south half of the northwest quarter and the northwest quarter of the northwest quarter of Section fifteen in Township five south of Range twenty-one east of the Salt Lake Meridian, Utah, containing one hundred sixty acres, as shown by the Official Plat of the Survey of the said Land, returned to the General Land Office by the Surveyor-General:

NOW KNOW YE, That the UNITED STATES OF AMERICA, in consideration of the premises, HAS GIVEN AND GRANTED, and by these presents DOES GIVE AND GRANT, unto the said Minnie M. Pope, and to her heirs, the said tract above described; TO HAVE AND TO HOLD the same, together with all the rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the said Minnie M. Pope, and to her heirs and assigns forever; subject to any vested and accrued water rights for mining, agricultural, manufacturing, or other purposes, and rights to ditches and reservoirs used in connection with such water rights, as may be recognized and acknowledged by the local customs, laws and decisions of courts. And there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States.

APPROVED
SEP 15 2008
DIV. OIL GAS & MINING

IN TESTIMONY WHEREOF, I, Woodrow Wilson President of the United States of America, have caused these letters to be made Patent, and the seal of the General Land Office to be hereunto affixed.

GIVEN under my hand, at the City of Washington, the TENTH day of JULY in the year of our Lord one thousand nine hundred and SIXTEEN and of the Independence of the United States the one hundred and FORTY-FIRST.

(SEAL)

By the President: Woodrow Wilson

By M. P. LeRoy Secretary

L. Q. C. Lamar
Recorder of the General Land Office

7120229

RECORD OF PATENTS: Patent Number 537468

Form 1274-2
(March 1965)
(formerly 4-954)

SERIAL REGISTER PAGE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Legal Reference	File Code	Serial Number
Exec. Order 5327 Oil Shale Withdrawal	23.1	U 4061

Name and Mailing Address

U. S. Dept. of the Interior, Geological Survey, Washington, D. C. 20242

Description of Land

Interpretation Oil Shale Withdrawal dated 3-1-67

DATE OF ACTION	ACTION TAKEN
10-13-67	Map from Geological Survey, Washington, D. C., dated 3-1-67 outlines area affected by Exec. Order 5327. vd

APPROVED
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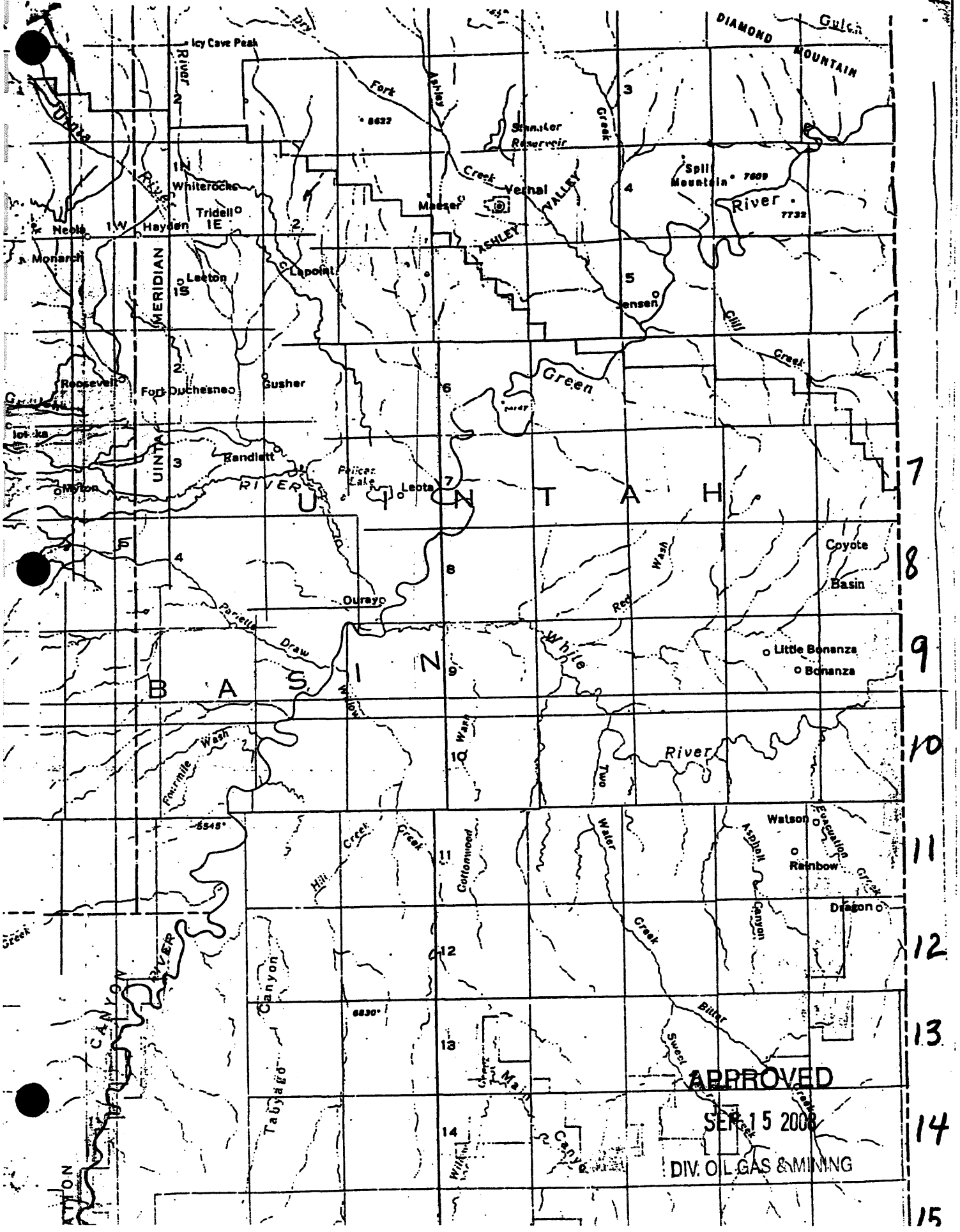
Icy Cave Peak
Dry
Fork
Ashley
Creek
DIAMOND
MOUNTAIN
Gulch
Schmuker Reservoir
Spill Mountain
7609
7732
Vernal
VALLEY
ASHLEY
Maeser
Whiterocks
Tridell
Hayden
Neola
Monarch
Leeton
Lapoint
Jensen
Gilll
Green
River
Roosevelt
Fort Duchesne
Gusher
Randlett
Pelican Lake
Lapita
Myton
UINTAH
RIVER
U I N T A H
B A S I N
Coyote
Basin
Red
Wash
Ouray
Pariette
Draw
White
Little Bonanza
Bonanza
Willow
Wash
Fourmile
Wash
River
Two
Water
Creek
Watson
Rainbow
Asphalt
Canyon
Evacuation
Dragon
Hill
Creek
Cottonwood
Canyon
Tabyago
Billet
Sweet
Creek
Mail
Canyon
Willow
CANYON
RIVER
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APPENDIX G

ENVIRONMENTAL DATABASE REPORT

SBI Project No. 1-05-473

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The EDR Radius Map™ Report

T5S R21E Section 15
T5S R21E Section 15
Vernal, UT 84078

Inquiry Number: 1567664.1s

December 05, 2005

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	7
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the minimum government records search requirements of EPA's Standards and Practices for All Appropriate Inquiries, 40 CFR Part 312 (AAI) and the ASTM Standard Practice for Environmental Site Assessments, E 1527-05. Search distances are per AAI and ASTM standards or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

T5S R21E SECTION 15
VERNAL, UT 84078

COORDINATES

Latitude (North):	40.383300 - 40' 22' 59.9"
Longitude (West):	109.550000 - 109' 32' 60.0"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	623082.1
UTM Y (Meters):	4471099.5
Elevation:	5913 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40109-D5 VERNAL NE, UT
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available "reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL Liens..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information

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EXECUTIVE SUMMARY

RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODL	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
SWF/LF	List of Landfills
LUST	Sites with Leaking Underground Storage Tanks
UST	List of Sites with Underground Storage Tanks
LAST	Leaking Aboveground Storage Tank Sites
AST	Listing of Aboveground Storage Tanks
SPILLS	Spills Data
INST CONTROL	Sites with Institutional Controls
VCP	Voluntary Cleanup Sites List
DRYCLEANERS	Registered Drycleaners
BROWNFIELDS	Brownfields Assessment Sites

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Coal Gas	Coal Gas

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

Unmappable (orphan) sites are not considered in the foregoing analysis.

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EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SF PHOSPHATES, LTD.CO.	FTTS INSP
NAPLES TRUCK STOP	LAST
TOP STOP SINCLAIR	LAST
UINTAH CO./LAPOINT	SWF/LF, SPILLS
WEST END LAUNDROMAT & CLEANERS	DRYCLEANERS
VERNAL BARRELS	CERC-NFRAP
TOP STOP CONOCO	CERC-NFRAP
DALBO ENVIRONMENTAL, INC.	SWF/LF
D G & T CO-OP (BONANZA, UT PLANT)	INDIAN UST
UTAH NATIONAL GUARD SMALL ARMS FIRING RANGE	VCP
NAPLES TRUCK STOP	AST
TOP STOP SINCLAIR	AST
LAVERNE & SHIRLEY'S CONOCO	AST
VACANT LAND	AST
SW QTR OF SE QTR, SEC 16, R21E, T8S	ERNS
SECTION 21, TOWNSHIP 4 SOUTH, RANGE 22 EAST	ERNS
GYP HILLS 15	FINDS
GH #15 WELL (UIC CLASS 2)	FINDS

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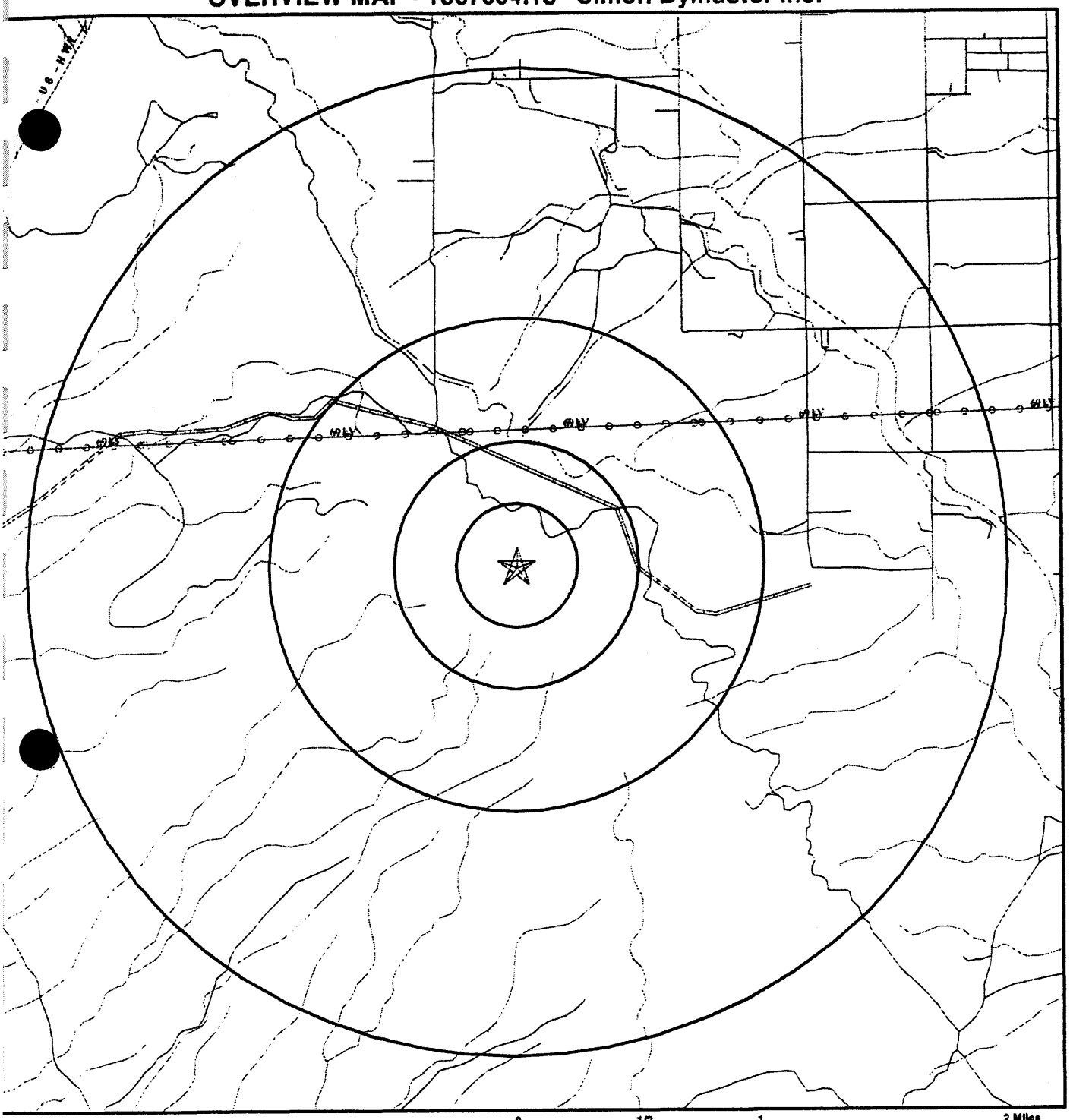
OVERVIEW MAP - 1567664.1s - Simon Bymaster Inc.



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines

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ARGET PROPERTY:	T5S R21E Section 15	CUSTOMER:	Simon Bymaster Inc.
DDRESS:	T5S R21E Section 15	CONTACT:	Bill Bymaster
TY/STATE/ZIP:	Vernal UT 84078	INQUIRY #:	1567664.1s
AT/LONG:	40.3833 / 109.5500	DATE:	December 05, 2005 2:11 pm

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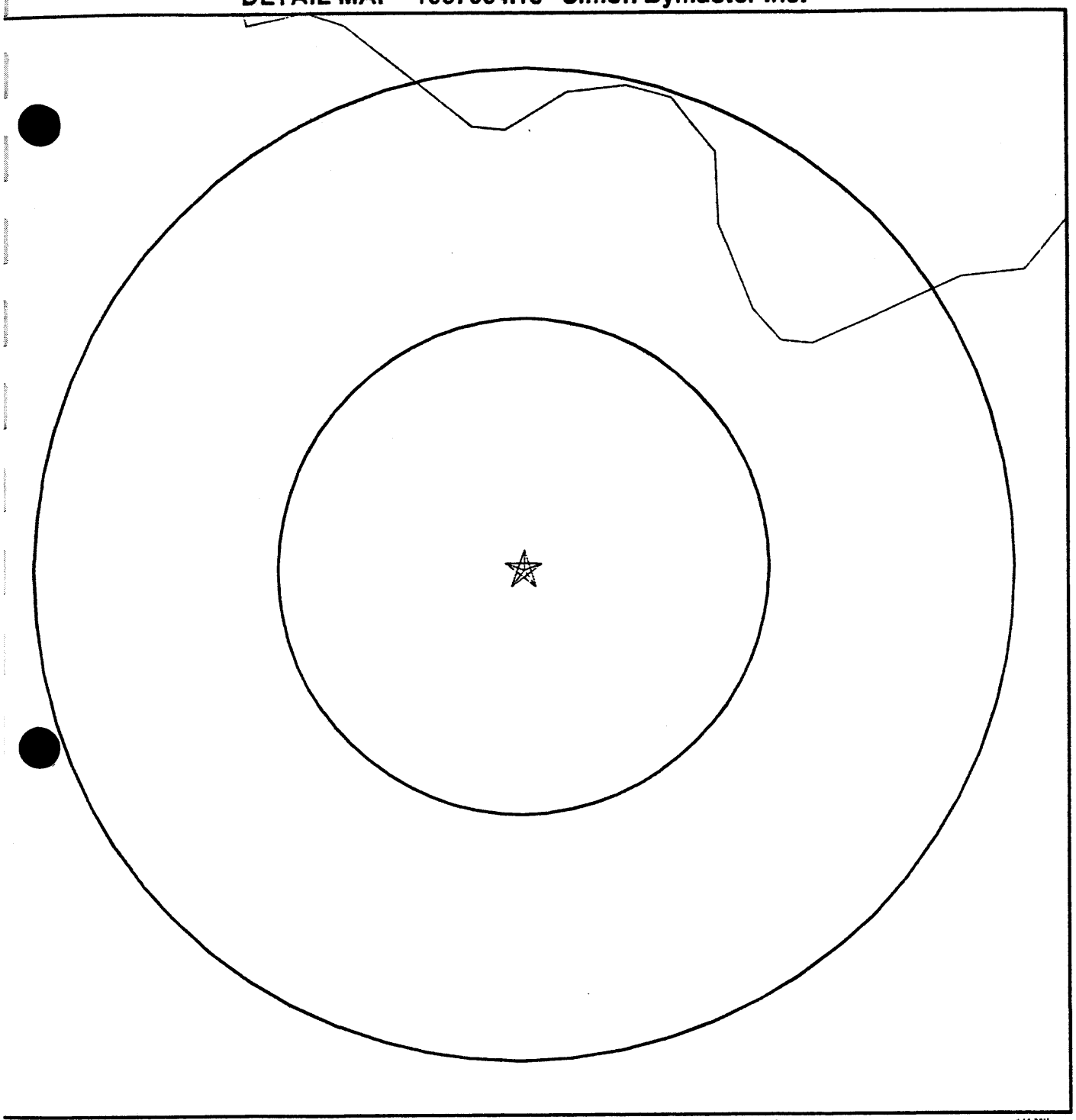
DETAIL MAP - 1567664.1s - Simon Bymaster Inc.



0 1/16 1/8 1/4 Miles

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

Sensitive Receptors

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

N

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ARGET PROPERTY:	T5S R21E Section 15	CUSTOMER:	Simon Bymaster Inc.
DDRESS:	T5S R21E Section 15	CONTACT:	Bill Bymaster
ITY/STATE/ZIP:	Vernal UT 84078	INQUIRY #:	1567664.1s
AT/LONG:	40.3833 / 109.5500	DATE:	December 05, 2005 2:11 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.500	0	0	0	0	0	0
Proposed NPL		1.500	0	0	0	0	0	0
Delisted NPL		1.500	0	0	0	0	0	0
NPL Liens		0.500	0	0	0	NR	NR	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		1.000	0	0	0	0	NR	0
CORRACTS		1.500	0	0	0	0	0	0
RCRA TSD		1.000	0	0	0	0	NR	0
RCRA Lg. Quan. Gen.		0.750	0	0	0	0	NR	0
RCRA Sm. Quan. Gen.		0.750	0	0	0	0	NR	0
ERNS		0.500	0	0	0	NR	NR	0
HMIRS		0.500	0	0	0	NR	NR	0
US ENG CONTROLS		1.000	0	0	0	0	NR	0
US INST CONTROL		1.000	0	0	0	0	NR	0
DOD		1.500	0	0	0	0	0	0
FUDS		1.500	0	0	0	0	0	0
US BROWNFIELDS		1.000	0	0	0	0	NR	0
CONSENT		1.500	0	0	0	0	0	0
ROD		1.500	0	0	0	0	0	0
UMTRA		1.000	0	0	0	0	NR	0
ODI		1.000	0	0	0	0	NR	0
TRIS		0.500	0	0	0	NR	NR	0
TSCA		0.500	0	0	0	NR	NR	0
FTTS		0.500	0	0	0	NR	NR	0
SSTS		0.500	0	0	0	NR	NR	0
PADS		0.500	0	0	0	NR	NR	0
MLTS		0.500	0	0	0	NR	NR	0
MINES		0.750	0	0	0	0	NR	0
FINDS		0.500	0	0	0	NR	NR	0
RAATS		0.500	0	0	0	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
State Landfill		1.000	0	0	0	0	NR	0
LUST		1.000	0	0	0	0	NR	0
UST		0.750	0	0	0	0	NR	0
LAST		1.000	0	0	0	0	NR	0
AST		0.750	0	0	0	0	NR	0
SPILLS		0.500	0	0	0	NR	NR	0
INST CONTROL		1.000	0	0	0	0	NR	0
VCP		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.750	0	0	0	0	NR	0
BROWNFIELDS		1.000	0	0	0	0	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.500	0	0	0	0	0	0

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		1.000	0	0	0	0	NR	0
INDIAN UST		0.750	0	0	0	0	NR	0
EDR PROPRIETARY RECORDS								
COAL GAS		1.500	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

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MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

NO SITES FOUND

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ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NAPLES	A100208565	NAPLES TRUCK STOP	1551 S 1500 E U S HWY 40	84078	AST
NAPLES	S106560700	NAPLES TRUCK STOP	1551 S 1500 E U S HWY 40	84078	LAST
UINTAH-OURAY RESERVA	1006875808	GYP HILLS 15	N/A	84078	FINDS
UINTAH-OURAY RESERVA	1005611160	GH #15 WELL (UIC CLASS 2)	SWSW S20, T08S, R21E	84078	FINDS
VERNAL	S106616298	D G & T CO-OP (BONANZA, UT PLANT)	12500 EAST 25500 SOUTH, UTAH HWY. 45	84078	INDIAN UST
VERNAL	1003877610	VERNAL BARRELS	1500 EAST 335 SOUTH	84078	CERC-NFRAP
VERNAL	1003877592	TOP STOP CONOCO	4805 SOUTH E HIGHWAY 40	84078	CERC-NFRAP
VERNAL	A100208553	TOP STOP SINCLAIR	1355 E HWY 40	84078	AST
VERNAL	A100208573	LAVERNE & SHIRLEY'S CONOCO	1175 E HWY 40	84078	AST
VERNAL	A100208574	VACANT LAND	1030 W HWY 40	84078	AST
VERNAL	S106560677	TOP STOP SINCLAIR	1355 E HWY 40	84078	LAST
VERNAL	S104534609	UINTAH CO./LAPOINT	9401 NORTH HWY 191		SWF/LF, SPILLS
VERNAL	1007293426	SF PHOSPHATES, LTD.CO.	9401 MP/ HWY. 191	84078	FTTS INSP
VERNAL	S105855136	UTAH NATIONAL GUARD SMALL ARMS FIRING RANGE	5 MILES WEST OF VERNAL ON ST. RTE. 121		VCP
VERNAL	92261230	SW QTR OF SE QTR, SEC 16, R21E, T8S	SW QTR OF SE QTR, SEC 16, R21E, T8S		ERNS
VERNAL	871570	SECTION 21, TOWNSHIP 4 SOUTH, RANGE 22 EAST	SECTION 21, TOWNSHIP 4 SOUTH, RANGE 22 EAST		ERNS
VERNAL	S106515321	WEST END LAUNDROMAT & CLEANERS	933 WEST US HWY 40	84078	DRYCLEANERS
VERNAL, UT	S104995636	DALBO ENVIRONMENTAL, INC.	P. O. BOX 1168	84078	SWF/LF

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/01/05
Date Data Arrived at EDR: 08/03/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/27/05
Date Data Arrived at EDR: 05/04/05
Date Made Active in Reports: 05/16/05
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 08/05/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/01/05
Date Data Arrived at EDR: 08/03/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Date Data Arrived at EDR: 02/02/94
Date Made Active in Reports: 03/30/94
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/22/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 10/21/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 6

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/22/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 37

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/28/05
Date Data Arrived at EDR: 07/05/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/11/05
Date Data Arrived at EDR: 08/23/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/23/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 01/27/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 09/01/05
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/22/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/05
Date Data Arrived at EDR: 08/12/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 10/03/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 04/06/05
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03	Source: USGS
Date Data Arrived at EDR: 11/12/03	Telephone: 703-692-8801
Date Made Active in Reports: 11/21/03	Last EDR Contact: 08/09/05
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/07/05
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/04	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 06/29/05	Telephone: 202-528-4285
Date Made Active in Reports: 08/08/05	Last EDR Contact: 06/29/05
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/03/05
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 08/18/05	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/18/05	Telephone: 202-566-2777
Date Made Active in Reports: 10/06/05	Last EDR Contact: 08/11/05
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/12/05
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/05	Telephone: Varies
Date Made Active in Reports: 04/25/05	Last EDR Contact: 07/25/05
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/24/05
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/08/05	Source: EPA
Date Data Arrived at EDR: 07/11/05	Telephone: 703-416-0223
Date Made Active in Reports: 08/08/05	Last EDR Contact: 07/06/05
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/03/05
	Data Release Frequency: Annually

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UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04
Date Data Arrived at EDR: 01/07/05
Date Made Active in Reports: 03/14/05
Number of Days to Update: 66

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Date Data Arrived at EDR: 08/09/04
Date Made Active in Reports: 09/17/04
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 05/23/95
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 07/13/05
Date Made Active in Reports: 08/17/05
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Date Data Arrived at EDR: 04/27/04
Date Made Active in Reports: 05/21/04
Number of Days to Update: 24

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

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Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 01/03/05
Date Made Active in Reports: 01/25/05
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 08/30/05
Date Data Arrived at EDR: 09/13/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 44

Source: EPA
Telephone: 202-564-3887
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 31

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/12/05
Date Data Arrived at EDR: 09/27/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 48

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/27/05
Next Scheduled EDR Contact: 12/26/05
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/29/05
Date Data Arrived at EDR: 10/04/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 41

Source: EPA
Telephone: N/A
Last EDR Contact: 09/29/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Date Data Arrived at EDR: 07/03/95
Date Made Active in Reports: 08/07/95
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 06/17/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/12/01
Date Data Arrived at EDR: 09/24/01
Date Made Active in Reports: 10/16/01
Number of Days to Update: 22

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Quarterly

SWF/LF: List of Landfills

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/04
Date Data Arrived at EDR: 05/18/04
Date Made Active in Reports: 07/07/04
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: 801-538-6170
Last EDR Contact: 08/08/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

LUST: Sites with Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/07/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 08/26/05
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 801-536-4115
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: List of Sites with Underground Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/07/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 08/30/05
Number of Days to Update: 13

Source: Department of Environmental Quality
Telephone: 801-536-4115
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites
A listing of leaking aboveground storage tank locations.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 11/08/05
Number of Days to Update: 49

Source: Department of Environmental Quality
Telephone: 801-536-4141
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

AST: Listing of Aboveground Storage Tanks

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 11/09/05
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

SPILLS: Spills Data
Incidents reported to the Division of Environmental Response and Remediation

Date of Government Version: 08/09/05
Date Data Arrived at EDR: 08/10/05
Date Made Active in Reports: 08/26/05
Number of Days to Update: 16

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INST CONTROL: Sites with Institutional Controls
Sites included on the Brownfields Sites listing that have institutional controls in place.

Date of Government Version: 01/13/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/02/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

VCP: Voluntary Cleanup Sites List

Date of Government Version: 09/02/05
Date Data Arrived at EDR: 09/02/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaners
A listing of registered drycleaners.

Date of Government Version: 03/31/05
Date Data Arrived at EDR: 03/31/05
Date Made Active in Reports: 04/19/05
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: 801-536-4437
Last EDR Contact: 08/15/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Varies

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BROWNFIELDS: Brownfields Assessment Sites

Date of Government Version: 01/13/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/02/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/21/05
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/02/05
Date Data Arrived at EDR: 06/03/05
Date Made Active in Reports: 06/28/05
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/25/05
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 04/18/05
Date Data Arrived at EDR: 05/16/05
Date Made Active in Reports: 06/02/05
Number of Days to Update: 17

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Provider List
Source: Department of Health
Telephone: 801-538-9299

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

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STREET AND ADDRESS INFORMATION

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The EDR Radius Map™ Report

T5S R21E Section 25
T5S R21E Section 25
Vernal, UT 84078

Inquiry Number: 1567665.1s

December 05, 2005

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

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TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	7
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the minimum government records search requirements of EPA's Standards and Practices for All Appropriate Inquiries, 40 CFR Part 312 (AAI) and the ASTM Standard Practice for Environmental Site Assessments, E 1527-05. Search distances are per AAI and ASTM standards or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

T5S R21E SECTION 25
VERNAL, UT 84078

COORDINATES

Latitude (North):	40.350300 - 40' 21' 1.1"
Longitude (West):	109.513100 - 109' 30' 47.2"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	626276.1
UTM Y (Meters):	4467488.5
Elevation:	5513 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40109-C5 VERNAL SE, UT
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available "reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL Liens..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information

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EXECUTIVE SUMMARY

RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODL	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
SWF/LF	List of Landfills
LUST	Sites with Leaking Underground Storage Tanks
UST	List of Sites with Underground Storage Tanks
LAST	Leaking Aboveground Storage Tank Sites
AST	Listing of Aboveground Storage Tanks
SPILLS	Spills Data
INST CONTROL	Sites with Institutional Controls
VCP	Voluntary Cleanup Sites List
DRYCLEANERS	Registered Drycleaners
BROWNFIELDS	Brownfields Assessment Sites

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Coal Gas	Coal Gas

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

Unmappable (orphan) sites are not considered in the foregoing analysis.

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EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SF PHOSPHATES, LTD.CO.	FTTS INSP
NAPLES TRUCK STOP	LAST
TOP STOP SINCLAIR	LAST
UINTAH CO./LAPOINT	SWF/LF, SPILLS
WEST END LAUNDROMAT & CLEANERS	DRYCLEANERS
VERNAL BARRELS	CERC-NFRAP
TOP STOP CONOCO	CERC-NFRAP
DALBO ENVIRONMENTAL, INC.	SWF/LF
D G & T CO-OP (BONANZA, UT PLANT)	INDIAN UST
UTAH NATIONAL GUARD SMALL ARMS FIRING RANGE	VCP
NAPLES TRUCK STOP	AST
TOP STOP SINCLAIR	AST
LAVERNE & SHIRLEY'S CONOCO	AST
VACANT LAND	AST
SW QTR OF SE QTR, SEC 16, R21E, T8S	ERNS
RED WASH UNIT 25 MILE SE OF VERNAL ON BONANZA HWY	ERNS
SEC 21, T22E, R7S/25 MILES SE OF VERNAL, UT	ERNS
SECTION 21, TOWNSHIP 4 SOUTH, RANGE 22 EAST	ERNS
RED WASH 25 (23-23B-L) WELL, UIC CLASS II	FINDS

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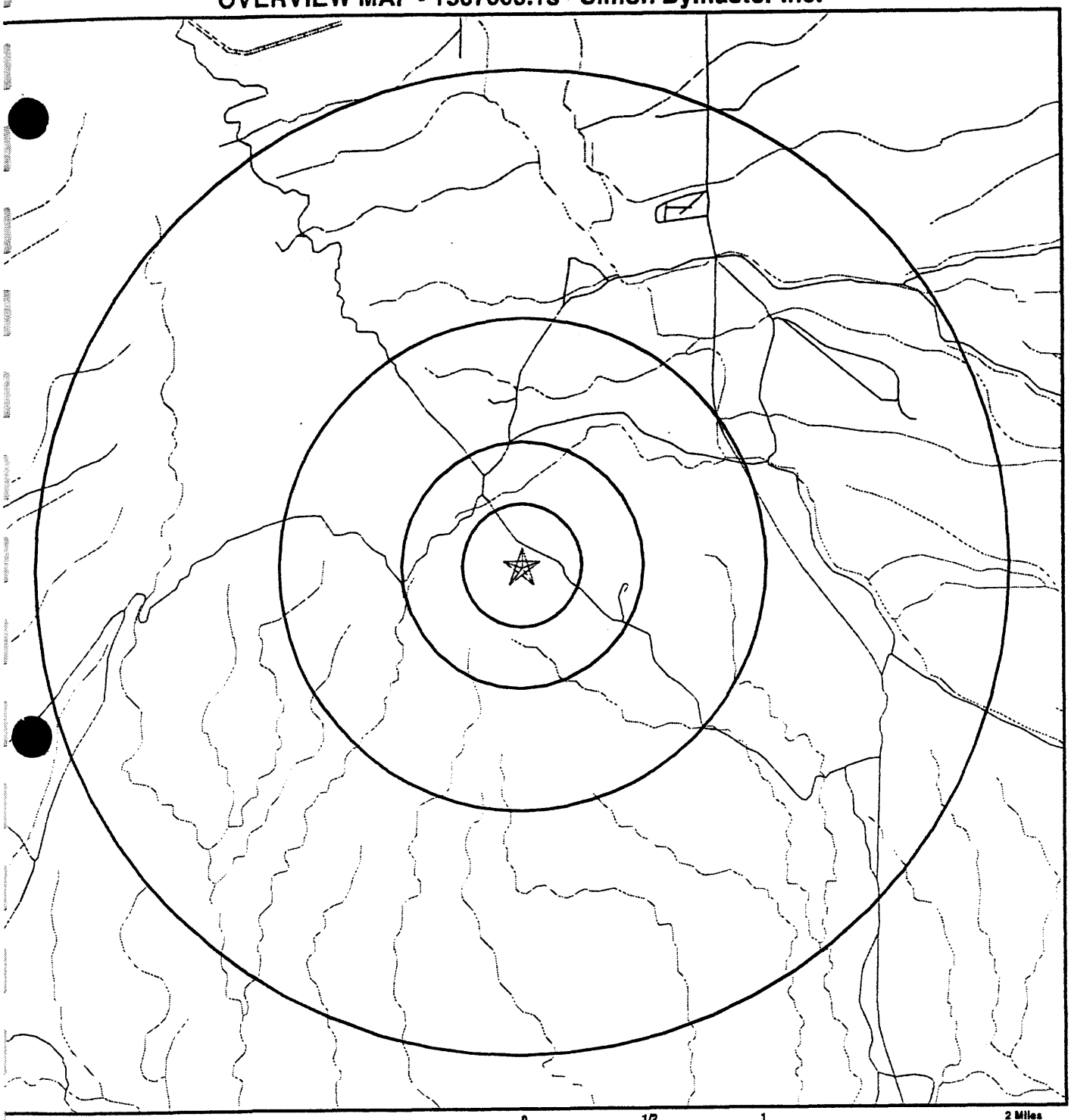
OVERVIEW MAP - 1567665.1s - Simon Bymaster Inc.



0 1/2 1 2 Miles

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

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TARGET PROPERTY:	T5S R21E Section 25	CUSTOMER:	Simon Bymaster Inc.
ADDRESS:	T5S R21E Section 25	CONTACT:	Bill Bymaster
CITY/STATE/ZIP:	Vernal UT 84078	INQUIRY #:	1567665.1s
LAT/LONG:	40.3503 / 109.5131	DATE:	December 05, 2005 2:06 pm

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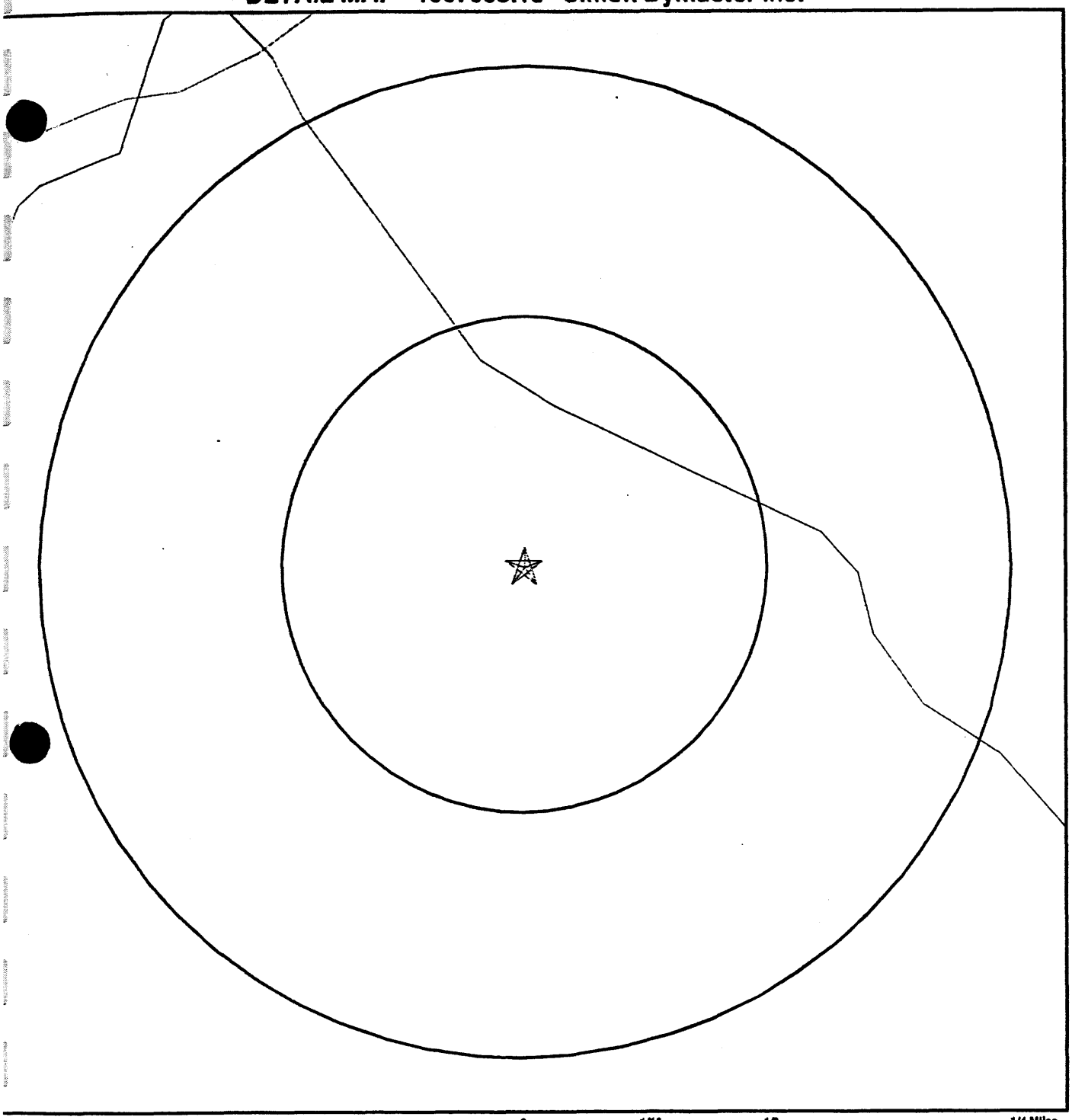
DETAIL MAP - 1567665.1s - Simon Bymaster Inc.



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

Sensitive Receptors

National Priority List Sites

Landfill Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Oil & Gas pipelines

N

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ARGET PROPERTY:	T5S R21E Section 25	CUSTOMER:	Simon Bymaster Inc.
ADDRESS:	T5S R21E Section 25	CONTACT:	Bill Bymaster
CITY/STATE/ZIP:	Vernal UT 84078	INQUIRY #:	1567665.1s
AT/LONG:	40.3503 / 109.5131	DATE:	December 05, 2005 2:06 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.500	0	0	0	0	0	0
Proposed NPL		1.500	0	0	0	0	0	0
Delisted NPL		1.500	0	0	0	0	0	0
NPL Liens		0.500	0	0	0	NR	NR	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		1.000	0	0	0	0	NR	0
CORRACTS		1.500	0	0	0	0	0	0
RCRA TSD		1.000	0	0	0	0	NR	0
RCRA Lg. Quan. Gen.		0.750	0	0	0	0	NR	0
RCRA Sm. Quan. Gen.		0.750	0	0	0	0	NR	0
ERNS		0.500	0	0	0	NR	NR	0
HMIRS		0.500	0	0	0	NR	NR	0
US ENG CONTROLS		1.000	0	0	0	0	NR	0
US INST CONTROL		1.000	0	0	0	0	NR	0
DOD		1.500	0	0	0	0	0	0
FUDS		1.500	0	0	0	0	0	0
US BROWNFIELDS		1.000	0	0	0	0	NR	0
CONSENT		1.500	0	0	0	0	0	0
ROD		1.500	0	0	0	0	0	0
UMTRA		1.000	0	0	0	0	NR	0
ODI		1.000	0	0	0	0	NR	0
TRIS		0.500	0	0	0	NR	NR	0
TSCA		0.500	0	0	0	NR	NR	0
FTTS		0.500	0	0	0	NR	NR	0
SSTS		0.500	0	0	0	NR	NR	0
PADS		0.500	0	0	0	NR	NR	0
MLTS		0.500	0	0	0	NR	NR	0
MINES		0.750	0	0	0	0	NR	0
FINDS		0.500	0	0	0	NR	NR	0
RAATS		0.500	0	0	0	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
State Landfill		1.000	0	0	0	0	NR	0
LUST		1.000	0	0	0	0	NR	0
UST		0.750	0	0	0	0	NR	0
LAST		1.000	0	0	0	0	NR	0
AST		0.750	0	0	0	0	NR	0
SPILLS		0.500	0	0	0	NR	NR	0
INST CONTROL		1.000	0	0	0	0	NR	0
VCP		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.750	0	0	0	0	NR	0
BROWNFIELDS		1.000	0	0	0	0	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.500	0	0	0	0	0	0

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		1.000	0	0	0	0	NR	0
INDIAN UST		0.750	0	0	0	0	NR	0
EDR PROPRIETARY RECORDS								
COAL GAS		1.500	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

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Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

NO SITES FOUND

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ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NAPLES	A100208565	NAPLES TRUCK STOP	1551 S 1500 E U S HWY 40	84078	AST
NAPLES	S106560700	NAPLES TRUCK STOP	1551 S 1500 E U S HWY 40	84078	LAST
UINTAH-OURAY RESERVA	1006300808	RED WASH 25 (23-23B-L) WELL, UIC CLASS II	NESW 23 07S 23E	84078	FINDS
VERNAL	S106616298	D G & T CO-OP (BONANZA, UT PLANT)	12500 EAST 25500 SOUTH, UTAH HWY. 45	84078	INDIAN UST
VERNAL	1003877610	VERNAL BARRELS	1500 EAST 335 SOUTH	84078	CERC-NFRAP
VERNAL	1003877592	TOP STOP CONOCO	4805 SOUTH E HIGHWAY 40	84078	CERC-NFRAP
VERNAL	A100208553	TOP STOP SINCLAIR	1355 E HWY 40	84078	AST
VERNAL	A100208573	LAVERNE & SHIRLEY'S CONOCO	1175 E HWY 40	84078	AST
VERNAL	A100208574	VACANT LAND	1030 W HWY 40	84078	AST
VERNAL	S106560677	TOP STOP SINCLAIR	1355 E HWY 40	84078	LAST
VERNAL	S104534609	UINTAH CO./LAPOINT	9401 NORTH HWY 191		SWF/LF, SPILLS
VERNAL	1007293426	SF PHOSPHATES, LTD.CO.	9401 MP/ HWY. 191	84078	FTTS INSP
VERNAL	S105855136	UTAH NATIONAL GUARD SMALL ARMS FIRING RANGE	5 MILES WEST OF VERNAL ON ST. RTE. 121		VCP
VERNAL	92261230	SW QTR OF SE QTR, SEC 16, R21E, T8S	SW QTR OF SE QTR, SEC 16, R21E, T8S		ERNS
VERNAL	89109290	RED WASH UNIT 25 MILE SE OF VERNAL ON BONANZA HWY	RED WASH UNIT 25 MILE SE OF VERNAL ON BONANZA HWY		ERNS
VERNAL	92273742	SEC 21, T22E, R7S/25 MILES SE OF VERNAL, UT	SEC 21, T22E, R7S/25 MILES SE OF VERNAL, UT		ERNS
VERNAL	871570	SECTION 21, TOWNSHIP 4 SOUTH, RANGE 22 EAST	SECTION 21, TOWNSHIP 4 SOUTH, RANGE 22 EAST		ERNS
VERNAL	S106515321	WEST END LAUNDROMAT & CLEANERS	933 WEST US HWY 40	84078	DRYCLEANERS
VERNAL, UT	S104995636	DALBO ENVIRONMENTAL, INC.	P. O. BOX 1168	84078	SWF/LF

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/01/05	Source: EPA
Date Data Arrived at EDR: 08/03/05	Telephone: N/A
Date Made Active in Reports: 08/22/05	Last EDR Contact: 08/03/05
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/31/05
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1 Telephone 617-918-1143	EPA Region 6 Telephone: 214-655-6659
EPA Region 3 Telephone 215-814-5418	EPA Region 8 Telephone: 303-312-6774
EPA Region 4 Telephone 404-562-8033	

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/27/05	Source: EPA
Date Data Arrived at EDR: 05/04/05	Telephone: N/A
Date Made Active in Reports: 05/16/05	Last EDR Contact: 08/05/05
Number of Days to Update: 12	Next Scheduled EDR Contact: 10/31/05
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/01/05	Source: EPA
Date Data Arrived at EDR: 08/03/05	Telephone: N/A
Date Made Active in Reports: 08/22/05	Last EDR Contact: 08/03/05
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/31/05
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Date Data Arrived at EDR: 02/02/94
Date Made Active in Reports: 03/30/94
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/22/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 10/21/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 6

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/22/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 37

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/28/05
Date Data Arrived at EDR: 07/05/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/11/05
Date Data Arrived at EDR: 08/23/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/23/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 01/27/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 09/01/05
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/22/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/05
Date Data Arrived at EDR: 08/12/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 10/03/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 04/06/05
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03	Source: USGS
Date Data Arrived at EDR: 11/12/03	Telephone: 703-692-8801
Date Made Active in Reports: 11/21/03	Last EDR Contact: 08/09/05
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/07/05
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/04	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 06/29/05	Telephone: 202-528-4285
Date Made Active in Reports: 08/08/05	Last EDR Contact: 06/29/05
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/03/05
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 08/18/05	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/18/05	Telephone: 202-566-2777
Date Made Active in Reports: 10/06/05	Last EDR Contact: 08/11/05
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/12/05
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/05	Telephone: Varies
Date Made Active in Reports: 04/25/05	Last EDR Contact: 07/25/05
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/24/05
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/08/05	Source: EPA
Date Data Arrived at EDR: 07/11/05	Telephone: 703-416-0223
Date Made Active in Reports: 08/08/05	Last EDR Contact: 07/06/05
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/03/05
	Data Release Frequency: Annually

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UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04
Date Data Arrived at EDR: 01/07/05
Date Made Active in Reports: 03/14/05
Number of Days to Update: 66

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Date Data Arrived at EDR: 08/09/04
Date Made Active in Reports: 09/17/04
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 05/23/95
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 07/13/05
Date Made Active in Reports: 08/17/05
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Date Data Arrived at EDR: 04/27/04
Date Made Active in Reports: 05/21/04
Number of Days to Update: 24

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

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Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 01/03/05
Date Made Active in Reports: 01/25/05
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 08/30/05
Date Data Arrived at EDR: 09/13/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 44

Source: EPA
Telephone: 202-564-3887
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 31

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/12/05
Date Data Arrived at EDR: 09/27/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 48

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/27/05
Next Scheduled EDR Contact: 12/26/05
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/29/05
Date Data Arrived at EDR: 10/04/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 41

Source: EPA
Telephone: N/A
Last EDR Contact: 09/29/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Date Data Arrived at EDR: 07/03/95
Date Made Active in Reports: 08/07/95
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 06/17/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/12/01
Date Data Arrived at EDR: 09/24/01
Date Made Active in Reports: 10/16/01
Number of Days to Update: 22

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Quarterly

SWF/LF: List of Landfills

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/04
Date Data Arrived at EDR: 05/18/04
Date Made Active in Reports: 07/07/04
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: 801-538-6170
Last EDR Contact: 08/08/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

LUST: Sites with Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/07/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 08/26/05
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 801-536-4115
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Quarterly

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UST: List of Sites with Underground Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/07/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 08/30/05
Number of Days to Update: 13

Source: Department of Environmental Quality
Telephone: 801-536-4115
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites
A listing of leaking aboveground storage tank locations.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 11/08/05
Number of Days to Update: 49

Source: Department of Environmental Quality
Telephone: 801-536-4141
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

AST: Listing of Aboveground Storage Tanks

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 11/09/05
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

SPILLS: Spills Data
Incidents reported to the Division of Environmental Response and Remediation

Date of Government Version: 08/09/05
Date Data Arrived at EDR: 08/10/05
Date Made Active in Reports: 08/26/05
Number of Days to Update: 16

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INST CONTROL: Sites with Institutional Controls
Sites included on the Brownfields Sites listing that have institutional controls in place.

Date of Government Version: 01/13/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/02/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

VCP: Voluntary Cleanup Sites List

Date of Government Version: 09/02/05
Date Data Arrived at EDR: 09/02/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaners
A listing of registered drycleaners.

Date of Government Version: 03/31/05
Date Data Arrived at EDR: 03/31/05
Date Made Active in Reports: 04/19/05
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: 801-536-4437
Last EDR Contact: 08/15/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields Assessment Sites

Date of Government Version: 01/13/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/02/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/21/05
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/02/05
Date Data Arrived at EDR: 06/03/05
Date Made Active in Reports: 06/28/05
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/25/05
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 04/18/05
Date Data Arrived at EDR: 05/16/05
Date Made Active in Reports: 06/02/05
Number of Days to Update: 17

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Provider List
Source: Department of Health
Telephone: 801-538-9299

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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The EDR Radius Map™ Report

T4S R20E, S25, Lots 1 and 2
T4S R20E, S25, Lots 1 and 2
Vernal, UT 84078

Inquiry Number: 1567655.1s

December 05, 2005

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	7
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the minimum government records search requirements of EPA's Standards and Practices for All Appropriate Inquiries, 40 CFR Part 312 (AAI) and the ASTM Standard Practice for Environmental Site Assessments, E 1527-05. Search distances are per AAI and ASTM standards or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

T4S R20E, S25, LOTS 1 AND 2
VERNAL, UT 84078

COORDINATES

Latitude (North):	40.443900 - 40' 26' 38.0"
Longitude (West):	109.621700 - 109' 37' 18.1"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	616890.8
UTM Y (Meters):	4477729.0
Elevation:	6055 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40109-D5 VERNAL NE, UT
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available "reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL Liens..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information

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EXECUTIVE SUMMARY

RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
SWF/LF	List of Landfills
LUST	Sites with Leaking Underground Storage Tanks
UST	List of Sites with Underground Storage Tanks
LAST	Leaking Aboveground Storage Tank Sites
AST	Listing of Aboveground Storage Tanks
SPILLS	Spills Data
INST CONTROL	Sites with Institutional Controls
VCP	Voluntary Cleanup Sites List
DRYCLEANERS	Registered Drycleaners
BROWNFIELDS	Brownfields Assessment Sites

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Coal Gas	Coal Gas

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

Unmappable (orphan) sites are not considered in the foregoing analysis.

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EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SF PHOSPHATES, LTD.CO.	FTTS INSP
NAPLES TRUCK STOP	LAST
TOP STOP SINCLAIR	LAST
UINTAH CO./LAPOINT	SWF/LF, SPILLS
WEST END LAUNDROMAT & CLEANERS	DRYCLEANERS
TOP STOP CONOCO	CERC-NFRAP
DALBO ENVIRONMENTAL, INC.	SWF/LF
D G & T CO-OP (BONANZA, UT PLANT)	INDIAN UST
UTAH NATIONAL GUARD SMALL ARMS FIRING RANGE	VCP
NAPLES TRUCK STOP	AST
TOP STOP SINCLAIR	AST
LAVERNE & SHIRLEY'S CONOCO	AST
VACANT LAND	AST
NW 1/4, SE 1/4, SEC 33, R23E, T4S/3.8 MILES N OF JENSEN, UTA	ERNS
SE 1/4, NE 1/4, SEC 3, R20E, T11S / ON BLM (BUREAU LAND MNGT	ERNS
JONAH 6-7, UIC CLASS 2 WELL	FINDS
FEDERAL 22-8H WELL UIC CLASS 2	FINDS
BALCRON MONUMENT FEDERAL 33-8 UIC CLASS 2 WELL	FINDS
MONUMENT FEDERAL #33-6 WELL UIC CLASS 2	FINDS
FEDERAL 31-8H UIC CLASS 2 WELL	FINDS
UTE FEDERAL #1 WELL (UIC CLASS 2)	FINDS
MONUMENT BUTTE FED. 44-8-9-17B WELL(UIC CLASS 2	FINDS
FEDERAL 24-9H WELL UIC CLASS 2	FINDS
AMERADA GUINAND FEDERAL 1 WELL (UIC CLASS 2)	FINDS
PEARL BROADHURST #2 WELL (UIC CLASS 2)	FINDS
RED WASH 2 (14-24B) WELL, UIC CLASS II	FINDS
MCDONALDS 2	FINDS
NATURAL BUTTES FIELD - SITE 2	FINDS
NATURAL BUTTES FIELD - SITE 1	FINDS
RED WASH HEATER STATION #2	FINDS
ALTA WELL NUMBER 5 2 C	FINDS
HORSESHOE BEND PROSPECT WELL ALTA NUMBER 5 1 B	FINDS
UNITED UTILITIES/T.E. HALL 1,2 & 5S TANK BATTERY	FINDS

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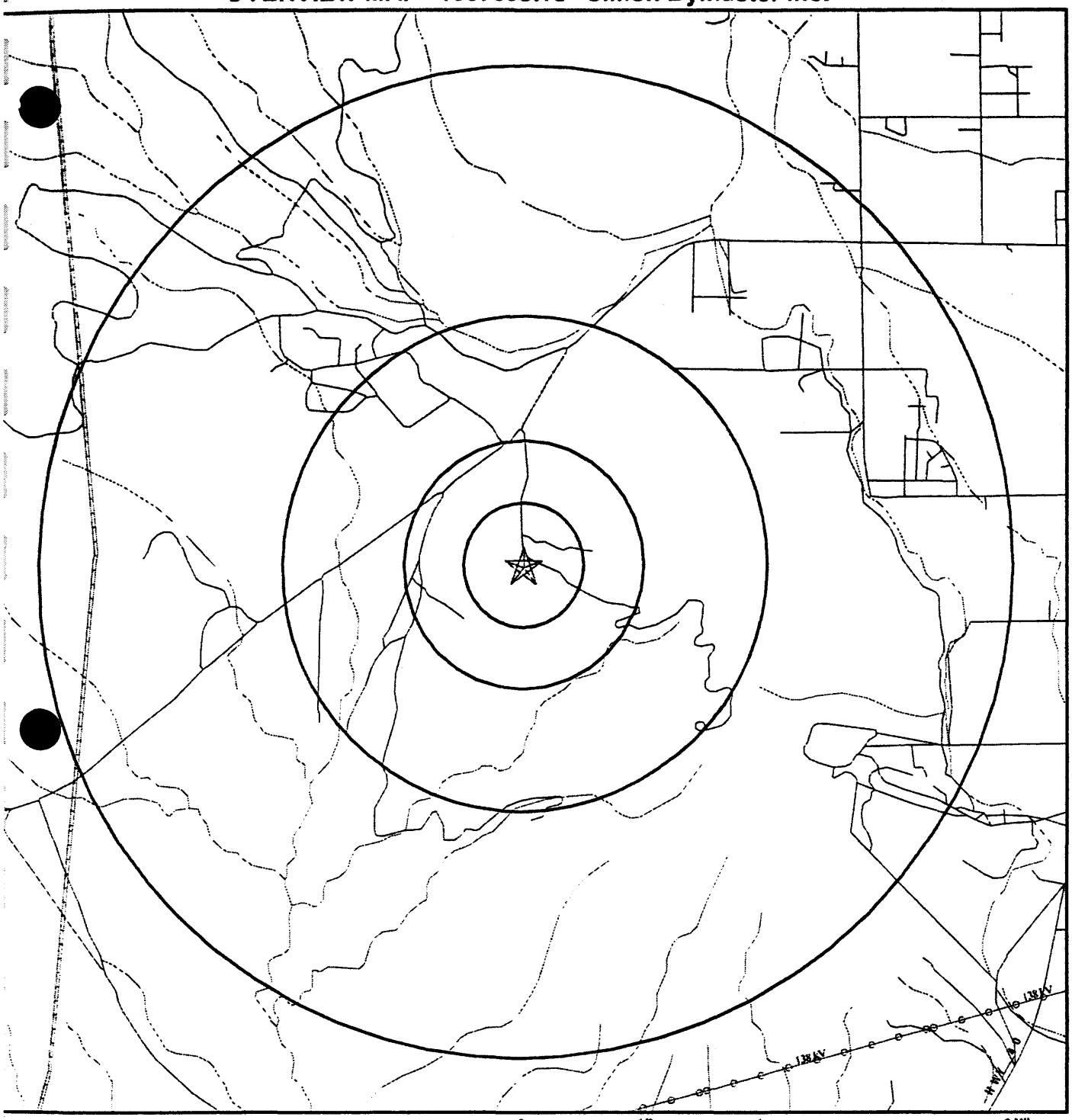
OVERVIEW MAP - 1567655.1s - Simon Bymaster Inc.



0 1/2 1 2 Miles

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines

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ARGET PROPERTY:	T4S R20E, S25, Lots 1 and 2	CUSTOMER:	Simon Bymaster Inc.
DDRESS:	T4S R20E, S25, Lots 1 and 2	CONTACT:	Bill Bymaster
ITY/STATE/ZIP:	Vernal UT 84078	INQUIRY #:	1567655.1s
AT/LONG:	40.4439 / 109.6217	DATE:	December 05, 2005 2:06 pm

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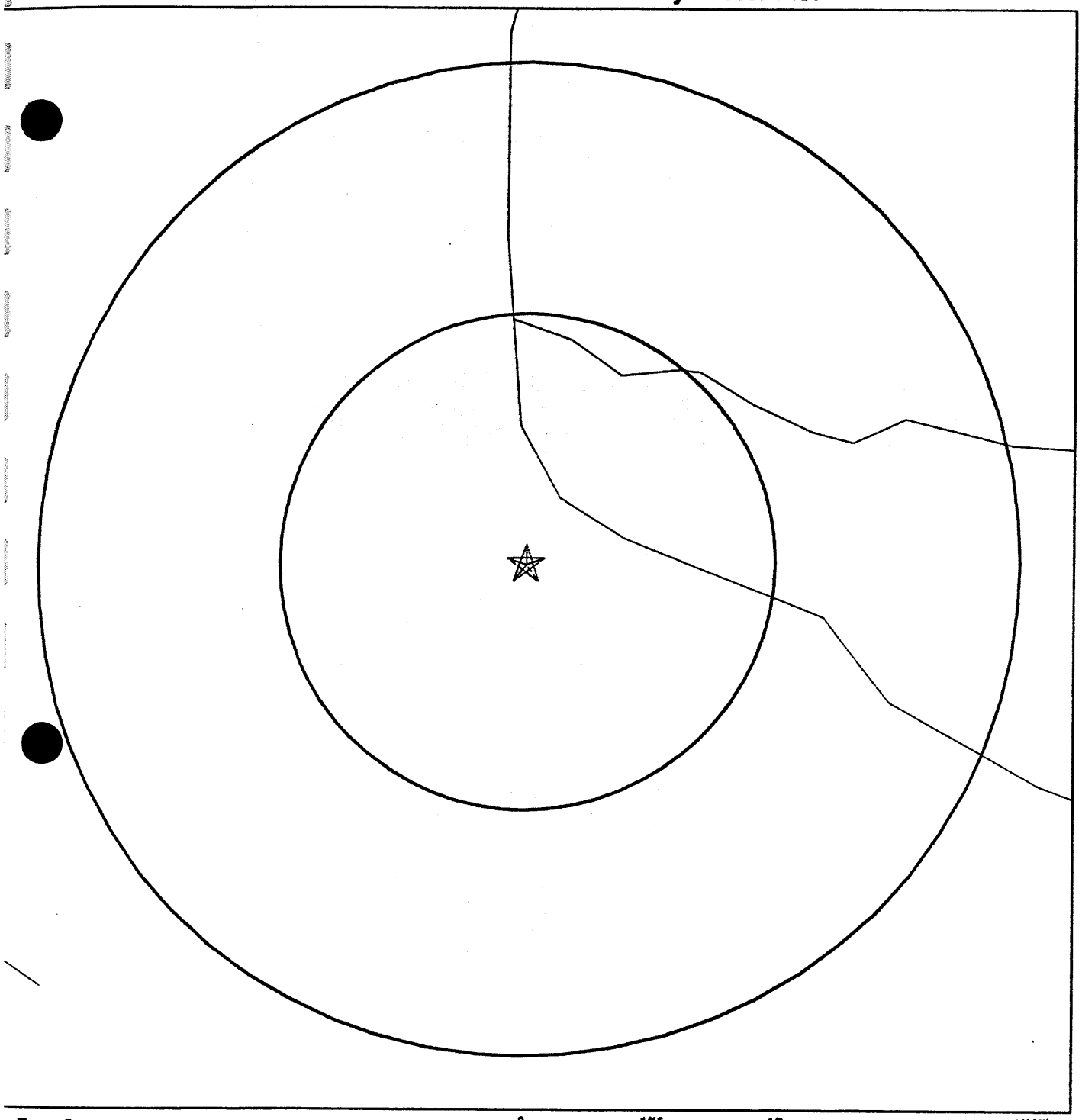
DETAIL MAP - 1567655.1s - Simon Bymaster Inc.



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

Sensitive Receptors

National Priority List Sites

Landfill Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Oil & Gas pipelines

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ARGET PROPERTY:	T4S R20E, S25, Lots 1 and 2	CUSTOMER:	Simon Bymaster Inc.
DDRESS:	T4S R20E, S25, Lots 1 and 2	CONTACT:	Bill Bymaster
TY/STATE/ZIP:	Vernal UT 84078	INQUIRY #:	1567655.1s
T/LONG:	40.4439 / 109.6217	DATE:	December 05, 2005 2:06 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.500	0	0	0	0	0	0
Proposed NPL		1.500	0	0	0	0	0	0
Delisted NPL		1.500	0	0	0	0	0	0
NPL Liens		0.500	0	0	0	NR	NR	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		1.000	0	0	0	0	NR	0
CORRACTS		1.500	0	0	0	0	0	0
RCRA TSD		1.000	0	0	0	0	NR	0
RCRA Lg. Quan. Gen.		0.750	0	0	0	0	NR	0
RCRA Sm. Quan. Gen.		0.750	0	0	0	0	NR	0
ERNS		0.500	0	0	0	NR	NR	0
HMIRS		0.500	0	0	0	NR	NR	0
US ENG CONTROLS		1.000	0	0	0	0	NR	0
US INST CONTROL		1.000	0	0	0	0	NR	0
DOD		1.500	0	0	0	0	0	0
FUDS		1.500	0	0	0	0	0	0
US BROWNFIELDS		1.000	0	0	0	0	NR	0
CONSENT		1.500	0	0	0	0	0	0
ROD		1.500	0	0	0	0	0	0
UMTRA		1.000	0	0	0	0	NR	0
ODI		1.000	0	0	0	0	NR	0
TRIS		0.500	0	0	0	NR	NR	0
TSCA		0.500	0	0	0	NR	NR	0
FTTS		0.500	0	0	0	NR	NR	0
SSTS		0.500	0	0	0	NR	NR	0
PADS		0.500	0	0	0	NR	NR	0
MLTS		0.500	0	0	0	NR	NR	0
MINES		0.750	0	0	0	0	NR	0
FINDS		0.500	0	0	0	NR	NR	0
RAATS		0.500	0	0	0	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
State Landfill		1.000	0	0	0	0	NR	0
LUST		1.000	0	0	0	0	NR	0
UST		0.750	0	0	0	0	NR	0
LAST		1.000	0	0	0	0	NR	0
AST		0.750	0	0	0	0	NR	0
SPILLS		0.500	0	0	0	NR	NR	0
INST CONTROL		1.000	0	0	0	0	NR	0
VCP		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.750	0	0	0	0	NR	0
BROWNFIELDS		1.000	0	0	0	0	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.500	0	0	0	0	0	0

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		1.000	0	0	0	0	NR	0
INDIAN UST		0.750	0	0	0	0	NR	0
EDR PROPRIETARY RECORDS								
COAL GAS		1.500	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

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MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

NO SITES FOUND

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ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
JENSEN	92278636	NW 1/4, SE 1/4, SEC 33, R23E, T4S/3.8 MILES N OF JENSEN, UTA	NW 1/4, SE 1/4, SEC 33, R23E, T4S/3.8 MILES N OF JENSEN, UTA	84078	ERNS
NAPLES	A100208565	NAPLES TRUCK STOP	1551 S 1500 E U S HWY 40	84078	AST
NAPLES	S106560700	NAPLES TRUCK STOP	1551 S 1500 E U S HWY 40	84078	LAST
UINTAH COUNTY	1006301321	JONAH 6-7, UIC CLASS 2 WELL	SEBW 07 09S 17E	84078	FINDS
UINTAH COUNTY	1006301640	FEDERAL 22-8H WELL UIC CLASS 2	SENW 08 19S 17E	84078	FINDS
UINTAH OURAY RESERVA	1006302138	BALCRON MONUMENT FEDERAL 33-8 UIC CLASS 2 WELL	NWSE 08 09S 17E	84078	FINDS
UINTAH RESERVATION	1006301077	MONUMENT FEDERAL #33-6 WELL UIC CLASS 2	NWSE 06 09S 17E	84078	FINDS
UINTAH-OURAY RESERVA	1006301645	FEDERAL 31-8H UIC CLASS 2 WELL	NWNE 08 09S 17E	84078	FINDS
UINTAH-OURAY RESERVA	1006300372	UTE FEDERAL #1 WELL (UIC CLASS 2)	NWNW S18, T03S, R06W	84078	FINDS
UINTAH-OURAY RESERVA	1006301100	MONUMENT BUTTE FED. 44-8-9-17B WELL(UIC CLASS 2	SESE S08, T09S, R17E	84078	FINDS
UINTAH-OURAY RESERVA	1006301643	FEDERAL 24-9H WELL UIC CLASS 2	SWNE 09 09S 17E	84078	FINDS
UINTAH-OURAY RESERVA	1006302185	AMERADA GUINAND FEDERAL 1 WELL (UIC CLASS 2)	SWNW S07, T08S, R25E	84078	FINDS
UINTAH-OURAY RESERVA	1006300978	PEARL BROADHURST #2 WELL (UIC CLASS 2)	SWNW S10, T07S, R23E	84078	FINDS
UINTAH-OURAY RESERVA	1006300854	RED WASH 2 (14-24B) WELL, UIC CLASS II	SWSW 24 07S 23E	84078	FINDS
VERNAL	94378848	SE 1/4, NE 1/4, SEC 3, R20E, T11S / ON BLM (BUREAU LAND MNGT	SE 1/4, NE 1/4, SEC 3, R20E, T11S / ON BLM (BUREAU LAND MNGT		ERNS
VERNAL	S106616298	D G & T CO-OP (BONANZA, UT PLANT)	12500 EAST 25500 SOUTH, UTAH HWY. 45	84078	INDIAN UST
VERNAL	1003877592	TOP STOP CONOCO	4805 SOUTH E HIGHWAY 40	84078	CERC-NFRAP
VERNAL	1005816086	MCDONALDS 2	1020 W HWY 40	84078	FINDS
VERNAL	A100208553	TOP STOP SINCLAIR	1355 E HWY 40	84078	AST
VERNAL	A100208573	LAVERNE & SHIRLEY'S CONOCO	1175 E HWY 40	84078	AST
VERNAL	A100208574	VACANT LAND	1030 W HWY 40	84078	AST
VERNAL	S106560677	TOP STOP SINCLAIR	1355 E HWY 40	84078	LAST
VERNAL	S104534609	UINTAH CO./LAPOINT	9401 NORTH HWY 191		SWF/LF, SPILLS
VERNAL	1007293426	SF PHOSPHATES, LTD.CO.	9401 MP/ HWY. 191	84078	FTTS INSP
VERNAL	S105855136	UTAH NATIONAL GUARD SMALL ARMS FIRING RANGE	5 MILES WEST OF VERNAL ON ST. RTE. 121		VCP
VERNAL	1005850827	NATURAL BUTTES FIELD - SITE 2	SW OF SE SECTION 4, TOWNSHIP 10S, RANGE 22E	84078	FINDS
VERNAL	1005850826	NATURAL BUTTES FIELD - SITE 1	SW OF NE SECTION 16, TOWNSHIP 10S, RANGE 21E	84078	FINDS
VERNAL	1005850848	RED WASH HEATER STATION #2	SE QUARTER OF SW CORNER SCTION 22, TOWNSHIP 8S, RA	84078	FINDS
VERNAL	1005814262	ALTA WELL NUMBER 5 2 C	SECION 5, TOWNSHIP 7S, RANGE 21 E	84078	FINDS
VERNAL	1005795830	HORSESHOE BEND PROSPECT WELL ALTA NUMBEF 1 B	SECTION 5, TOWNSHIP 7S, RANGE 21E	84078	FINDS
VERNAL	1006300388	UNITED UTILITIES/T.E. HALL 1,2 & 5S TANK BATTERY	UNKNOWN	84078	FINDS
VERNAL	S106515321	WEST END LAUNDROMAT & CLEANERS	933 WEST US HWY 40	84078	DRYCLEANERS
VERNAL, UT	S104995636	DALBO ENVIRONMENTAL, INC.	P. O. BOX 1168	84078	SWF/LF

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/01/05	Source: EPA
Date Data Arrived at EDR: 08/03/05	Telephone: N/A
Date Made Active in Reports: 08/22/05	Last EDR Contact: 08/03/05
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/31/05
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1 Telephone 617-918-1143	EPA Region 6 Telephone: 214-655-6659
EPA Region 3 Telephone 215-814-5418	EPA Region 8 Telephone: 303-312-6774
EPA Region 4 Telephone 404-562-8033	

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/27/05	Source: EPA
Date Data Arrived at EDR: 05/04/05	Telephone: N/A
Date Made Active in Reports: 05/16/05	Last EDR Contact: 08/05/05
Number of Days to Update: 12	Next Scheduled EDR Contact: 10/31/05
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/01/05	Source: EPA
Date Data Arrived at EDR: 08/03/05	Telephone: N/A
Date Made Active in Reports: 08/22/05	Last EDR Contact: 08/03/05
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/31/05
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Date Data Arrived at EDR: 02/02/94
Date Made Active in Reports: 03/30/94
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/22/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 10/21/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 6

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/22/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 37

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/28/05
Date Data Arrived at EDR: 07/05/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/11/05
Date Data Arrived at EDR: 08/23/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/23/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 01/27/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 09/01/05
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/22/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/05
Date Data Arrived at EDR: 08/12/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 10/03/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 04/06/05
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03	Source: USGS
Date Data Arrived at EDR: 11/12/03	Telephone: 703-692-8801
Date Made Active in Reports: 11/21/03	Last EDR Contact: 08/09/05
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/07/05
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/04	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 06/29/05	Telephone: 202-528-4285
Date Made Active in Reports: 08/08/05	Last EDR Contact: 06/29/05
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/03/05
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 08/18/05	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/18/05	Telephone: 202-566-2777
Date Made Active in Reports: 10/06/05	Last EDR Contact: 08/11/05
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/12/05
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/05	Telephone: Varies
Date Made Active in Reports: 04/25/05	Last EDR Contact: 07/25/05
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/24/05
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/08/05	Source: EPA
Date Data Arrived at EDR: 07/11/05	Telephone: 703-416-0223
Date Made Active in Reports: 08/08/05	Last EDR Contact: 07/06/05
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/03/05
	Data Release Frequency: Annually

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UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04
Date Data Arrived at EDR: 01/07/05
Date Made Active in Reports: 03/14/05
Number of Days to Update: 66

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Date Data Arrived at EDR: 08/09/04
Date Made Active in Reports: 09/17/04
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 05/23/95
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 07/13/05
Date Made Active in Reports: 08/17/05
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Date Data Arrived at EDR: 04/27/04
Date Made Active in Reports: 05/21/04
Number of Days to Update: 24

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

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Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 01/03/05
Date Made Active in Reports: 01/25/05
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 08/30/05
Date Data Arrived at EDR: 09/13/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 44

Source: EPA
Telephone: 202-564-3887
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 31

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/12/05
Date Data Arrived at EDR: 09/27/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 48

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/27/05
Next Scheduled EDR Contact: 12/26/05
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/29/05
Date Data Arrived at EDR: 10/04/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 41

Source: EPA
Telephone: N/A
Last EDR Contact: 09/29/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Date Data Arrived at EDR: 07/03/95
Date Made Active in Reports: 08/07/95
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 06/17/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/12/01
Date Data Arrived at EDR: 09/24/01
Date Made Active in Reports: 10/16/01
Number of Days to Update: 22

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Quarterly

SWF/LF: List of Landfills

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/04
Date Data Arrived at EDR: 05/18/04
Date Made Active in Reports: 07/07/04
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: 801-538-6170
Last EDR Contact: 08/08/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

LUST: Sites with Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/07/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 08/26/05
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 801-536-4115
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: List of Sites with Underground Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/07/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 08/30/05
Number of Days to Update: 13

Source: Department of Environmental Quality
Telephone: 801-536-4115
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites
A listing of leaking aboveground storage tank locations.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 11/08/05
Number of Days to Update: 49

Source: Department of Environmental Quality
Telephone: 801-536-4141
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

AST: Listing of Aboveground Storage Tanks

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 11/09/05
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

SPILLS: Spills Data
Incidents reported to the Division of Environmental Response and Remediation

Date of Government Version: 08/09/05
Date Data Arrived at EDR: 08/10/05
Date Made Active in Reports: 08/26/05
Number of Days to Update: 16

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INST CONTROL: Sites with Institutional Controls
Sites included on the Brownfields Sites listing that have institutional controls in place.

Date of Government Version: 01/13/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/02/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

VCP: Voluntary Cleanup Sites List

Date of Government Version: 09/02/05
Date Data Arrived at EDR: 09/02/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaners
A listing of registered drycleaners.

Date of Government Version: 03/31/05
Date Data Arrived at EDR: 03/31/05
Date Made Active in Reports: 04/19/05
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: 801-536-4437
Last EDR Contact: 08/15/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Varies

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BROWNFIELDS: Brownfields Assessment Sites

Date of Government Version: 01/13/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/02/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/21/05
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/02/05
Date Data Arrived at EDR: 06/03/05
Date Made Active in Reports: 06/28/05
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/25/05
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 04/18/05
Date Data Arrived at EDR: 05/16/05
Date Made Active in Reports: 06/02/05
Number of Days to Update: 17

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Provider List
Source: Department of Health
Telephone: 801-538-9299

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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The EDR Radius Map™ Report

T5S R22E Sections 31 and 32
T5S R22E Sections 31 and 32
Vernal, UT 84078

Inquiry Number: 1567666.1s

December 05, 2005

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	7
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the minimum government records search requirements of EPA's Standards and Practices for All Appropriate Inquiries, 40 CFR Part 312 (AAI) and the ASTM Standard Practice for Environmental Site Assessments, E 1527-05. Search distances are per AAI and ASTM standards or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

T5S R22E SECTIONS 31 AND 32
VERNAL, UT 84078

COORDINATES

Latitude (North):	40.333600 - 40' 20' 1.0"
Longitude (West):	109.481700 - 109' 28' 54.1"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	628974.6
UTM Y (Meters):	4465680.0
Elevation:	5023 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40109-C4 RASMUSSEN HOLLOW, UT
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available "reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL Liens..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information

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EXECUTIVE SUMMARY

RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODL	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
SWF/LF	List of Landfills
LUST	Sites with Leaking Underground Storage Tanks
UST	List of Sites with Underground Storage Tanks
LAST	Leaking Aboveground Storage Tank Sites
AST	Listing of Aboveground Storage Tanks
SPILLS	Spills Data
INST CONTROL	Sites with Institutional Controls
VCP	Voluntary Cleanup Sites List
DRYCLEANERS	Registered Drycleaners
BROWNFIELDS	Brownfields Assessment Sites

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Coal Gas	Coal Gas

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

Unmappable (orphan) sites are not considered in the foregoing analysis.

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EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SF PHOSPHATES, LTD.CO.	FTTS INSP
NAPLES TRUCK STOP	LAST
TOP STOP SINCLAIR	LAST
UINTAH CO./LAPOINT	SWF/LF, SPILLS
WEST END LAUNDROMAT & CLEANERS	DRYCLEANERS
TOP STOP CONOCO	CERC-NFRAP
DALBO ENVIRONMENTAL, INC.	SWF/LF
D G & T CO-OP (BONANZA, UT PLANT)	INDIAN UST
UTAH NATIONAL GUARD SMALL ARMS FIRING RANGE	VCP
NAPLES TRUCK STOP	AST
TOP STOP SINCLAIR	AST
LAVERNE & SHIRLEY'S CONOCO	AST
VACANT LAND	AST
WVU FED #31 WELL (UIC CLASS 2)	FINDS
WHU #31 WELL (UIC CLASS 2)	FINDS
COWDEN WELL NUMBER 31 3 C	FINDS
FEDERAL 31 9H LEASE	FINDS
COASTAL OIL & GAS/CIGE #31	FINDS

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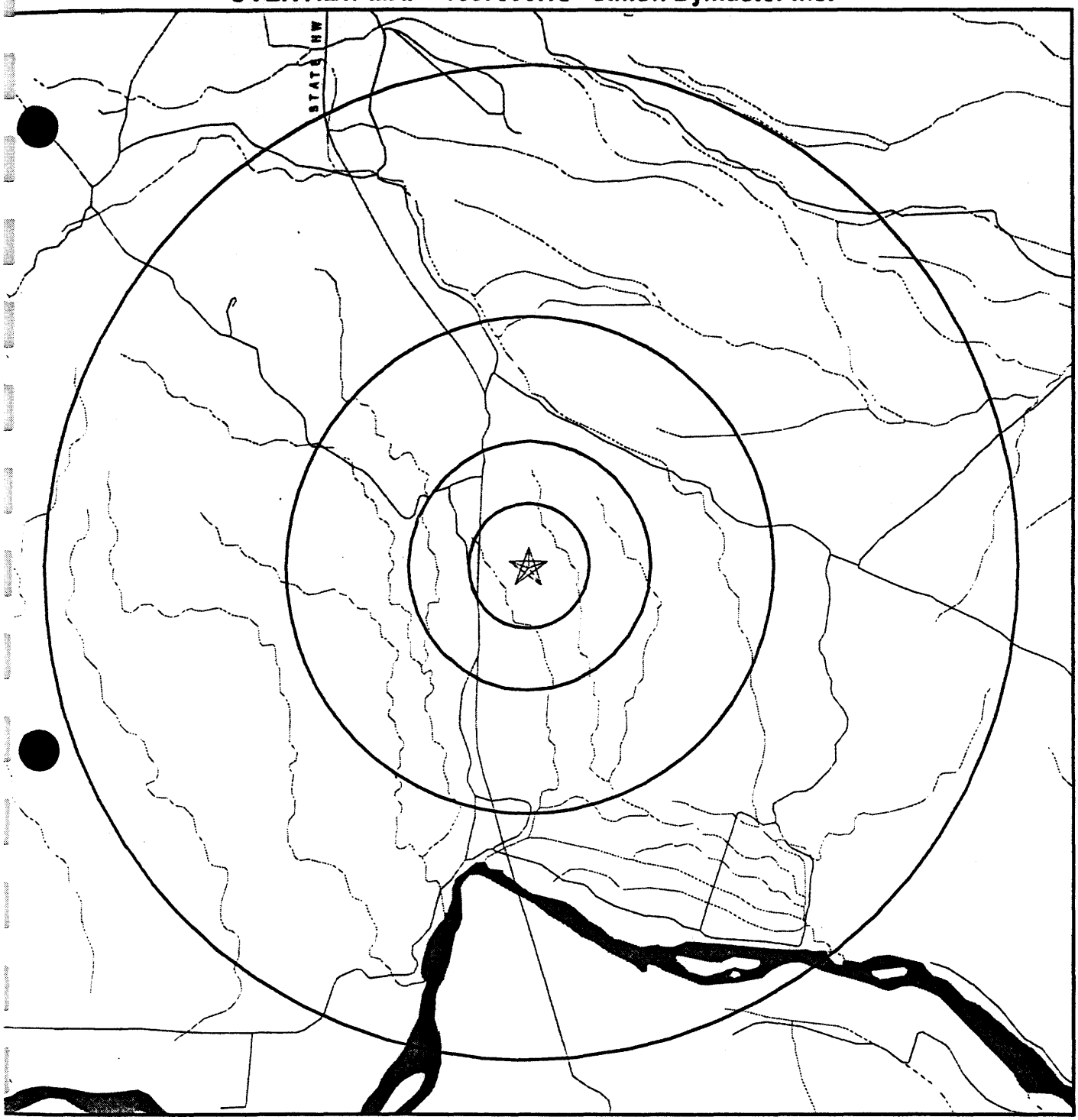
OVERVIEW MAP - 1567666.1s - Simon Bymaster Inc.



0 1/2 1 2 Miles

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

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ARGET PROPERTY:	T5S R22E Sections 31 and 32	CUSTOMER:	Simon Bymaster Inc.
DDRESS:	T5S R22E Sections 31 and 32	CONTACT:	Bill Bymaster
ITY/STATE/ZIP:	Vernal UT 84078	INQUIRY #:	1567666.1s
AT/LONG:	40.3336 / 109.4817	DATE:	December 05, 2005 1:58 pm

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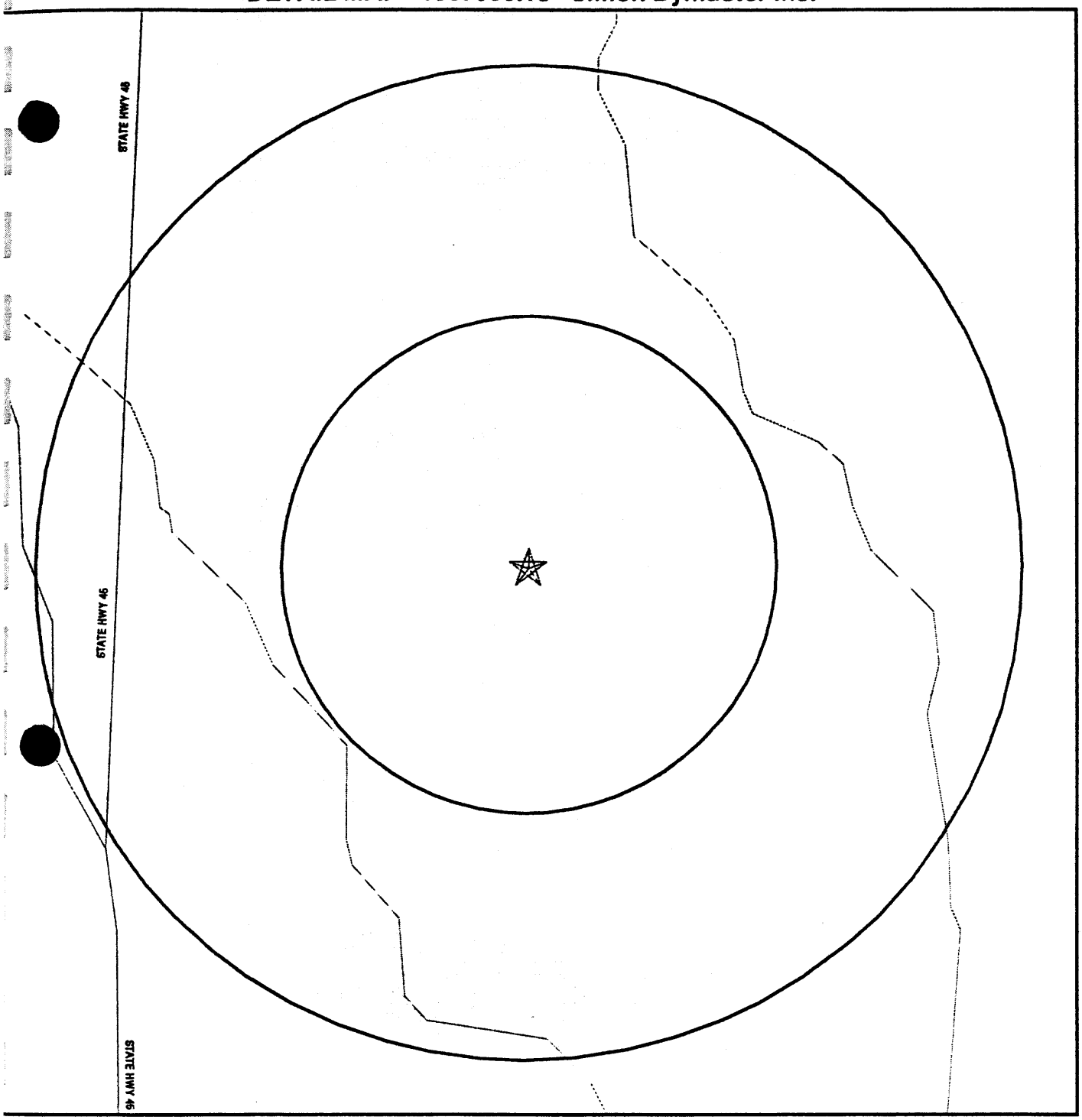
DETAIL MAP - 1567666.1s - Simon Bymaster Inc.



0 1/16 1/8 1/4 Miles

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

Sensitive Receptors

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

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ARGET PROPERTY:	T5S R22E Sections 31 and 32	CUSTOMER:	Simon Bymaster Inc.
DDRESS:	T5S R22E Sections 31 and 32	CONTACT:	Bill Bymaster
TY/STATE/ZIP:	Vernal UT 84078	INQUIRY #:	1567666.1s
AT/LONG:	40.3336 / 109.4817	DATE:	December 05, 2005 1:58 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.500	0	0	0	0	0	0
Proposed NPL		1.500	0	0	0	0	0	0
Delisted NPL		1.500	0	0	0	0	0	0
NPL Liens		0.500	0	0	0	NR	NR	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		1.000	0	0	0	0	NR	0
CORRACTS		1.500	0	0	0	0	0	0
RCRA TSD		1.000	0	0	0	0	NR	0
RCRA Lg. Quan. Gen.		0.750	0	0	0	0	NR	0
RCRA Sm. Quan. Gen.		0.750	0	0	0	0	NR	0
ERNS		0.500	0	0	0	NR	NR	0
HMIRS		0.500	0	0	0	NR	NR	0
US ENG CONTROLS		1.000	0	0	0	0	NR	0
US INST CONTROL		1.000	0	0	0	0	NR	0
DOD		1.500	0	0	0	0	0	0
FUDS		1.500	0	0	0	0	0	0
US BROWNFIELDS		1.000	0	0	0	0	NR	0
CONSENT		1.500	0	0	0	0	0	0
ROD		1.500	0	0	0	0	0	0
UMTRA		1.000	0	0	0	0	NR	0
ODI		1.000	0	0	0	0	NR	0
TRIS		0.500	0	0	0	NR	NR	0
TSCA		0.500	0	0	0	NR	NR	0
FTTS		0.500	0	0	0	NR	NR	0
SSTS		0.500	0	0	0	NR	NR	0
PADS		0.500	0	0	0	NR	NR	0
MLTS		0.500	0	0	0	NR	NR	0
MINES		0.750	0	0	0	0	NR	0
FINDS		0.500	0	0	0	NR	NR	0
RAATS		0.500	0	0	0	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
State Landfill		1.000	0	0	0	0	NR	0
LUST		1.000	0	0	0	0	NR	0
UST		0.750	0	0	0	0	NR	0
LAST		1.000	0	0	0	0	NR	0
AST		0.750	0	0	0	0	NR	0
SPILLS		0.500	0	0	0	NR	NR	0
INST CONTROL		1.000	0	0	0	0	NR	0
VCP		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.750	0	0	0	0	NR	0
BROWNFIELDS		1.000	0	0	0	0	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.500	0	0	0	0	0	0

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		1.000	0	0	0	0	NR	0
INDIAN UST		0.750	0	0	0	0	NR	0
EDR PROPRIETARY RECORDS								
COAL GAS		1.500	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

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Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

NO SITES FOUND

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ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NAPLES	A100208565	NAPLES TRUCK STOP	1551 S 1500 E U S HWY 40	84078	AST
NAPLES	S106560700	NAPLES TRUCK STOP	1551 S 1500 E U S HWY 40	84078	LAST
UINTAH-OURAY RESERVA	1006300150	WVU FED #31 WELL (UIC CLASS 2)	NENW S14, T08S, R21E	84078	FINDS
UINTAH-OURAY RESERVA	1006300212	WHU #31 WELL (UIC CLASS 2)	NESWNE S09, T07S, R24E	84078	FINDS
VERNAL	S106616298	D G & T CO-OP (BONANZA, UT PLANT)	12500 EAST 25500 SOUTH, UTAH HWY. 45	84078	INDIAN UST
VERNAL	1003877592	TOP STOP CONOCO	4805 SOUTH E HIGHWAY 40	84078	CERC-NFRAP
VERNAL	A100208553	TOP STOP SINCLAIR	1355 E HWY 40	84078	AST
VERNAL	A100208573	LAVERNE & SHIRLEY'S CONOCO	1175 E HWY 40	84078	AST
VERNAL	A100208574	VACANT LAND	1030 W HWY 40	84078	AST
VERNAL	S106560677	TOP STOP SINCLAIR	1355 E HWY 40	84078	LAST
VERNAL	S104534609	UINTAH CO./LAPOINT	9401 NORTH HWY 191		SWF/LF, SPILLS
VERNAL	1007293426	SF PHOSPHATES, LTD.CO.	9401 MP/ HWY. 191	84078	FTTS INSP
VERNAL	S105855136	UTAH NATIONAL GUARD SMALL ARMS FIRING RANGE	5 MILES WEST OF VERNAL ON ST. RTE. 121		VCP
VERNAL	1005814263	COWDEN WELL NUMBER 31 3 C	SECTION 31, TOWNSHIP 6S, RANGE 21E	84078	FINDS
VERNAL	1005795777	FEDERAL 31 9H LEASE	SECTION 9, TOWNSHIP 9S, RANGE 17E	84078	FINDS
VERNAL	S106515321	WEST END LAUNDROMAT & CLEANERS	933 WEST US HWY 40	84078	DRYCLEANERS
VERNAL	1006301896	COASTAL OIL & GAS/CIGE #31	616 52150 W,	84078	FINDS
VERNAL, UT	S104995636	DALBO ENVIRONMENTAL, INC.	P. O. BOX 1168	84078	SWF/LF

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/01/05
Date Data Arrived at EDR: 08/03/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/27/05
Date Data Arrived at EDR: 05/04/05
Date Made Active in Reports: 05/16/05
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 08/05/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/01/05
Date Data Arrived at EDR: 08/03/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

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Date of Government Version: 10/15/91
Date Data Arrived at EDR: 02/02/94
Date Made Active in Reports: 03/30/94
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/22/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 10/21/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 6

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/22/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 37

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/28/05
Date Data Arrived at EDR: 07/05/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/11/05
Date Data Arrived at EDR: 08/23/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/23/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 01/27/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 09/01/05
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/22/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/05
Date Data Arrived at EDR: 08/12/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 10/03/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 04/06/05
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 06/29/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 40

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/29/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 08/18/05
Date Data Arrived at EDR: 08/18/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/11/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04
Date Data Arrived at EDR: 02/15/05
Date Made Active in Reports: 04/25/05
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/08/05
Date Data Arrived at EDR: 07/11/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 28

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Annually

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04
Date Data Arrived at EDR: 01/07/05
Date Made Active in Reports: 03/14/05
Number of Days to Update: 66

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Date Data Arrived at EDR: 08/09/04
Date Made Active in Reports: 09/17/04
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 05/23/95
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 07/13/05
Date Made Active in Reports: 08/17/05
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Date Data Arrived at EDR: 04/27/04
Date Made Active in Reports: 05/21/04
Number of Days to Update: 24

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

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Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 01/03/05
Date Made Active in Reports: 01/25/05
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 08/30/05
Date Data Arrived at EDR: 09/13/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 44

Source: EPA
Telephone: 202-564-3887
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 31

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/12/05
Date Data Arrived at EDR: 09/27/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 48

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/27/05
Next Scheduled EDR Contact: 12/26/05
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/29/05
Date Data Arrived at EDR: 10/04/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 41

Source: EPA
Telephone: N/A
Last EDR Contact: 09/29/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Date Data Arrived at EDR: 07/03/95
Date Made Active in Reports: 08/07/95
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 06/17/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/12/01
Date Data Arrived at EDR: 09/24/01
Date Made Active in Reports: 10/16/01
Number of Days to Update: 22

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Quarterly

SWF/LF: List of Landfills

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/04
Date Data Arrived at EDR: 05/18/04
Date Made Active in Reports: 07/07/04
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: 801-538-6170
Last EDR Contact: 08/08/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

LUST: Sites with Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/07/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 08/26/05
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 801-536-4115
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: List of Sites with Underground Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/07/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 08/30/05
Number of Days to Update: 13

Source: Department of Environmental Quality
Telephone: 801-536-4115
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites
A listing of leaking aboveground storage tank locations.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 11/08/05
Number of Days to Update: 49

Source: Department of Environmental Quality
Telephone: 801-536-4141
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

AST: Listing of Aboveground Storage Tanks

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 11/09/05
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

SPILLS: Spills Data
Incidents reported to the Division of Environmental Response and Remediation

Date of Government Version: 08/09/05
Date Data Arrived at EDR: 08/10/05
Date Made Active in Reports: 08/26/05
Number of Days to Update: 16

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INST CONTROL: Sites with Institutional Controls
Sites included on the Brownfields Sites listing that have institutional controls in place.

Date of Government Version: 01/13/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/02/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

VCP: Voluntary Cleanup Sites List

Date of Government Version: 09/02/05
Date Data Arrived at EDR: 09/02/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaners
A listing of registered drycleaners.

Date of Government Version: 03/31/05
Date Data Arrived at EDR: 03/31/05
Date Made Active in Reports: 04/19/05
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: 801-536-4437
Last EDR Contact: 08/15/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields Assessment Sites

Date of Government Version: 01/13/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/02/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/21/05
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/02/05
Date Data Arrived at EDR: 06/03/05
Date Made Active in Reports: 06/28/05
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/25/05
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 04/18/05
Date Data Arrived at EDR: 05/16/05
Date Made Active in Reports: 06/02/05
Number of Days to Update: 17

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Provider List
Source: Department of Health
Telephone: 801-538-9299

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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The EDR Radius Map™ Report

T5S R21E Section 4
T5S R21E Section 4
Vernal, UT 84078

Inquiry Number: 1567659.1s

December 05, 2005

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	7
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the minimum government records search requirements of EPA's Standards and Practices for All Appropriate Inquiries, 40 CFR Part 312 (AAI) and the ASTM Standard Practice for Environmental Site Assessments, E 1527-05. Search distances are per AAI and ASTM standards or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

T5S R21E SECTION 4
VERNAL, UT 84078

COORDINATES

Latitude (North):	40.410600 - 40' 24' 38.2"
Longitude (West):	109.572800 - 109' 34' 22.1"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	621097.8
UTM Y (Meters):	4474098.5
Elevation:	5975 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40109-D5 VERNAL NE, UT
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available "reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL Liens	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information

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EXECUTIVE SUMMARY

RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODL	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
SWF/LF	List of Landfills
LUST	Sites with Leaking Underground Storage Tanks
LAST	Leaking Aboveground Storage Tank Sites
AST	Listing of Aboveground Storage Tanks
SPILLS	Spills Data
INST CONTROL	Sites with Institutional Controls
VCP	Voluntary Cleanup Sites List
DRYCLEANERS	Registered Drycleaners
BROWNFIELDS	Brownfields Assessment Sites

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Coal Gas	Coal Gas

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

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STATE AND LOCAL RECORDS

UST:The Underground Storage Tank database contains a listing of Facility, Owner, Location & Tanks not Closed or Removed. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Facilities with at Least One Non-exempt Tank.

A review of the UST list, as provided by EDR, and dated 07/07/2005 has revealed that there is 1 UST site within approximately 0.75 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
U.S.WEST 673777	4 MI SOUTHWEST OF VERNA	1/2 - 1 W	1	6

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EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
SF PHOSPHATES, LTD.CO.	FTTS INSP
NAPLES TRUCK STOP	LAST
TOP STOP SINCLAIR	LAST
UINTAH CO./LAPOINT	SWF/LF, SPILLS
WEST END LAUNDROMAT & CLEANERS	DRYCLEANERS
VERNAL BARRELS	CERC-NFRAP
TOP STOP CONOCO	CERC-NFRAP
DALBO ENVIRONMENTAL, INC.	SWF/LF
D G & T CO-OP (BONANZA, UT PLANT)	INDIAN UST
UTAH NATIONAL GUARD SMALL ARMS FIRING RANGE	VCP
NAPLES TRUCK STOP	AST
TOP STOP SINCLAIR	AST
LAVERNE & SHIRLEY'S CONOCO	AST
VACANT LAND	AST
NW 1/4, SE 1/4, SEC 33, R23E, T4S/3.8 MILES N OF JENSEN, UTA	ERNS
SE 1/4, NE 1/4, SEC 3, R20E, T11S / ON BLM (BUREAU LAND MNGT	ERNS
SW QTR OF SE QTR, SEC 16, R21E, T8S	ERNS
SECTION 21, TOWNSHIP 4 SOUTH, RANGE 22 EAST	ERNS
UINTAH/OURAY RESERVATION LAND - HWY 121, 10 MILES N OF HWY 4	ERNS
UTE TRIBAL #4 WELL (UIC CLASS 2)	FINDS
WHU #4 WELL (UIC CLASS 2)	FINDS

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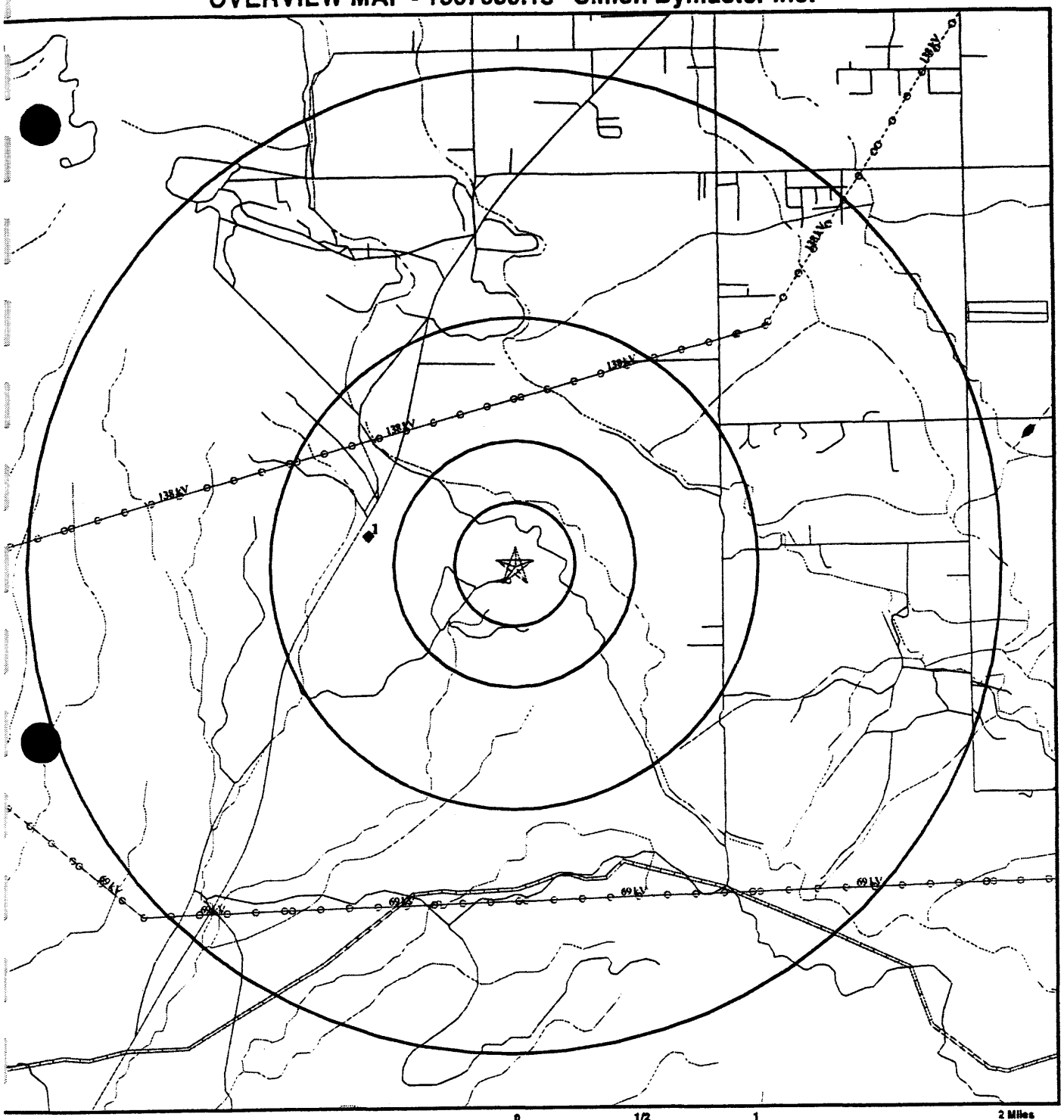
OVERVIEW MAP - 1567659.1s - Simon Bymaster Inc.



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines

N

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RGET PROPERTY:	T5S R21E Section 4	CUSTOMER:	Simon Bymaster Inc.
DDRESS:	T5S R21E Section 4	CONTACT:	Bill Bymaster
TY/STATE/ZIP:	Vernal UT 84078	INQUIRY #:	1567659.1s
T/LONG:	40.4106 / 109.5728	DATE:	December 05, 2005 2:06 pm

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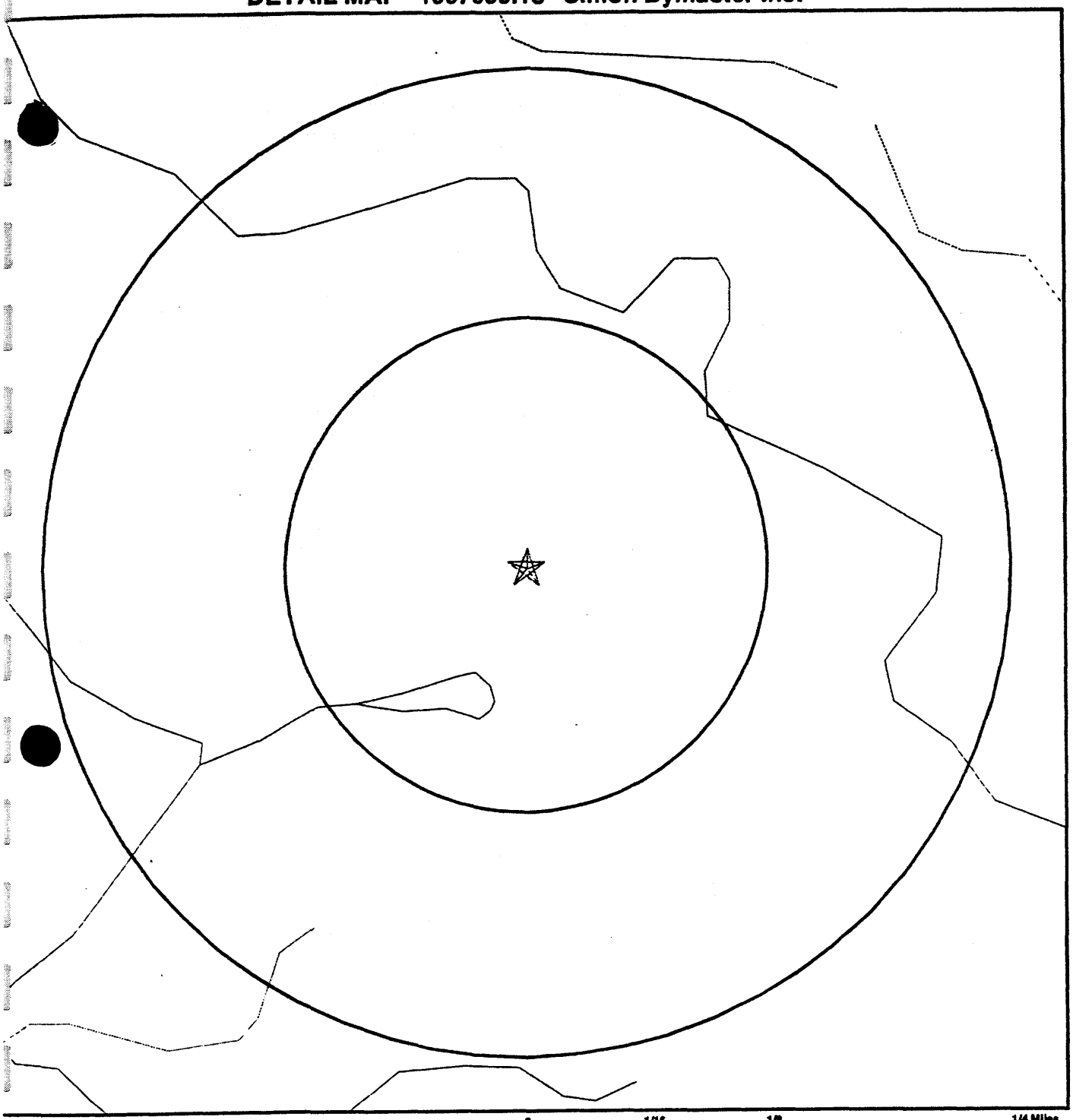
DETAIL MAP - 1567659.1s - Simon Bymaster Inc.



0 1/16 1/8 1/4 Miles

Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites

Sensitive Receptors

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

Oil & Gas pipelines

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TARGET PROPERTY:	T5S R21E Section 4	CUSTOMER:	Simon Bymaster Inc.
ADDRESS:	T5S R21E Section 4	CONTACT:	Bill Bymaster
CITY/STATE/ZIP:	Vernal UT 84078	INQUIRY #:	1567659.1s
LAT/LONG:	40.4106 / 109.5728	DATE:	December 05, 2005 2:06 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.500	0	0	0	0	0	0
Proposed NPL		1.500	0	0	0	0	0	0
Delisted NPL		1.500	0	0	0	0	0	0
NPL Liens		0.500	0	0	0	NR	NR	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		1.000	0	0	0	0	NR	0
CORRACTS		1.500	0	0	0	0	0	0
RCRA TSD		1.000	0	0	0	0	NR	0
RCRA Lg. Quan. Gen.		0.750	0	0	0	0	NR	0
RCRA Sm. Quan. Gen.		0.750	0	0	0	0	NR	0
ERNS		0.500	0	0	0	NR	NR	0
HMIRS		0.500	0	0	0	NR	NR	0
US ENG CONTROLS		1.000	0	0	0	0	NR	0
US INST CONTROL		1.000	0	0	0	0	NR	0
DOD		1.500	0	0	0	0	0	0
FUDS		1.500	0	0	0	0	0	0
US BROWNFIELDS		1.000	0	0	0	0	NR	0
CONSENT		1.500	0	0	0	0	0	0
ROD		1.500	0	0	0	0	0	0
UMTRA		1.000	0	0	0	0	NR	0
ODI		1.000	0	0	0	0	NR	0
TRIS		0.500	0	0	0	NR	NR	0
TSCA		0.500	0	0	0	NR	NR	0
FTTS		0.500	0	0	0	NR	NR	0
SSTS		0.500	0	0	0	NR	NR	0
PADS		0.500	0	0	0	NR	NR	0
MLTS		0.500	0	0	0	NR	NR	0
MINES		0.750	0	0	0	0	NR	0
FINDS		0.500	0	0	0	NR	NR	0
RAATS		0.500	0	0	0	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
State Landfill		1.000	0	0	0	0	NR	0
LUST		1.000	0	0	0	0	NR	0
UST		0.750	0	0	0	1	NR	1
LAST		1.000	0	0	0	0	NR	0
AST		0.750	0	0	0	0	NR	0
SPILLS		0.500	0	0	0	NR	NR	0
INST CONTROL		1.000	0	0	0	0	NR	0
VCP		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.750	0	0	0	0	NR	0
BROWNFIELDS		1.000	0	0	0	0	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.500	0	0	0	0	0	0

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		1.000	0	0	0	0	NR	0
INDIAN UST		0.750	0	0	0	0	NR	0
EDR PROPRIETARY RECORDS								
COAL GAS		1.500	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

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Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

---

1 **West** **1/2-1** **3240 ft.**	**U.S.WEST 673777** **4 MI SOUTHWEST OF VERNAL** **VERNAL, UT 84078**	**UST**	**U002264311** **N/A**

Relative:
Lower

Actual:
5731 ft.

UST:

Facility ID:	9000062
Total Tanks:	1
Closed Tanks:	1
Owner:	QWEST COMMUNICATIONS
Owner Address:	SALT LAKE CITY, UT 84111
Owner Phone:	(801) 237-3006
Total Tanks:	1

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ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
JENSEN	92278636	NW 1/4, SE 1/4, SEC 33, R23E, T4S/3.8 MILES N OF JENSEN, UTA	NW 1/4, SE 1/4, SEC 33, R23E, T4S/3.8 MILES N OF JENSEN, UTA	84078	ERNS
NAPLES	A100208565	NAPLES TRUCK STOP	1551 S 1500 E U S HWY 40	84078	AST
NAPLES	S106560700	NAPLES TRUCK STOP	1551 S 1500 E U S HWY 40	84078	LAST
UINTAH-OURAY RESERVA	1005619837	UTE TRIBAL #4 WELL (UIC CLASS 2)	NESW S16, T04S, R04W	84078	FINDS
UINTAH-OURAY RESERVA	1006300225	WHU #4 WELL (UIC CLASS 2)	SWSE S12, T07S, R23E	84078	FINDS
VERNAL	94378848	SE 1/4, NE 1/4, SEC 3, R20E, T11S / ON BLM (BUREAU LAND MNGT	SE 1/4, NE 1/4, SEC 3, R20E, T11S / ON BLM (BUREAU LAND MNGT		ERNS
VERNAL	S106616298	D G & T CO-OP (BONANZA, UT PLANT)	12500 EAST 25500 SOUTH, UTAH HWY. 45	84078	INDIAN UST
VERNAL	1003877610	VERNAL BARRELS	1500 EAST 335 SOUTH	84078	CERC-NFRAP
VERNAL	1003877592	TOP STOP CONOCO	4805 SOUTH E HIGHWAY 40	84078	CERC-NFRAP
VERNAL	A100208553	TOP STOP SINCLAIR	1355 E HWY 40	84078	AST
VERNAL	A100208573	LAVERNE & SHIRLEY'S CONOCO	1175 E HWY 40	84078	AST
VERNAL	A100208574	VACANT LAND	1030 W HWY 40	84078	AST
VERNAL	S106560677	TOP STOP SINCLAIR	1355 E HWY 40	84078	LAST
VERNAL	S104534609	UINTAH CO./LAPOINT	9401 NORTH HWY 191		SWF/LF, SPILLS
VERNAL	1007293426	SF PHOSPHATES, LTD.CO.	9401 MP/ HWY. 191	84078	FTTS INSP
VERNAL	S105855136	UTAH NATIONAL GUARD SMALL ARMS FIRING RANGE	5 MILES WEST OF VERNAL ON ST. RTE. 121		VCP
VERNAL	92261230	SW QTR OF SE QTR, SEC 16, R21E, T8S	SW QTR OF SE QTR, SEC 16, R21E, T8S		ERNS
VERNAL	871570	SECTION 21, TOWNSHIP 4 SOUTH, RANGE 22 EAST	SECTION 21, TOWNSHIP 4 SOUTH, RANGE 22 EAST		ERNS
VERNAL	S106515321	WEST END LAUNDROMAT & CLEANERS	933 WEST US HWY 40	84078	DRYCLEANERS
VERNAL, UT	S104995636	DALBO ENVIRONMENTAL, INC.	P. O. BOX 1168	84078	SWF/LF
WHITE ROCKS (NEARBY)	93320196	UINTAH/OURAY RESERVATION LAND - HWY 121, 10 MILES N OF HWY 4	UINTAH/OURAY RESERVATION LAND - HWY 121, 10 MILES N OF HWY 4	84078	ERNS

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/01/05
Date Data Arrived at EDR: 08/03/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/27/05
Date Data Arrived at EDR: 05/04/05
Date Made Active in Reports: 05/16/05
Number of Days to Update: 12

Source: EPA
Telephone: N/A
Last EDR Contact: 08/05/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/01/05
Date Data Arrived at EDR: 08/03/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 19

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

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Date of Government Version: 10/15/91
Date Data Arrived at EDR: 02/02/94
Date Made Active in Reports: 03/30/94
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/22/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 10/21/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 6

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/22/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 37

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/28/05
Date Data Arrived at EDR: 07/05/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/11/05
Date Data Arrived at EDR: 08/23/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/23/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 01/27/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/27/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 09/01/05
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/22/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/05
Date Data Arrived at EDR: 08/12/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 10/03/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 04/06/05
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 06/29/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 40

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/29/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 08/18/05
Date Data Arrived at EDR: 08/18/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 49

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 08/11/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/04
Date Data Arrived at EDR: 02/15/05
Date Made Active in Reports: 04/25/05
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/08/05
Date Data Arrived at EDR: 07/11/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 28

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 07/06/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Annually

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UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04
Date Data Arrived at EDR: 01/07/05
Date Made Active in Reports: 03/14/05
Number of Days to Update: 66

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Date Data Arrived at EDR: 08/09/04
Date Made Active in Reports: 09/17/04
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 05/23/95
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 07/13/05
Date Made Active in Reports: 08/17/05
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Date Data Arrived at EDR: 04/27/04
Date Made Active in Reports: 05/21/04
Number of Days to Update: 24

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

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Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 01/03/05
Date Made Active in Reports: 01/25/05
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 08/30/05
Date Data Arrived at EDR: 09/13/05
Date Made Active in Reports: 10/27/05
Number of Days to Update: 44

Source: EPA
Telephone: 202-564-3887
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/14/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 31

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/12/05
Date Data Arrived at EDR: 09/27/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 48

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/27/05
Next Scheduled EDR Contact: 12/26/05
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/29/05
Date Data Arrived at EDR: 10/04/05
Date Made Active in Reports: 11/14/05
Number of Days to Update: 41

Source: EPA
Telephone: N/A
Last EDR Contact: 09/29/05
Next Scheduled EDR Contact: 01/02/06
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Date Data Arrived at EDR: 07/03/95
Date Made Active in Reports: 08/07/95
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 06/17/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 07/12/01
Date Data Arrived at EDR: 09/24/01
Date Made Active in Reports: 10/16/01
Number of Days to Update: 22

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Quarterly

SWF/LF: List of Landfills

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/04
Date Data Arrived at EDR: 05/18/04
Date Made Active in Reports: 07/07/04
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: 801-538-6170
Last EDR Contact: 08/08/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

LUST: Sites with Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/07/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 08/26/05
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 801-536-4115
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Quarterly

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: List of Sites with Underground Storage Tanks
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/07/05
Date Data Arrived at EDR: 08/17/05
Date Made Active in Reports: 08/30/05
Number of Days to Update: 13

Source: Department of Environmental Quality
Telephone: 801-536-4115
Last EDR Contact: 08/17/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites
A listing of leaking aboveground storage tank locations.

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 11/08/05
Number of Days to Update: 49

Source: Department of Environmental Quality
Telephone: 801-536-4141
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

AST: Listing of Aboveground Storage Tanks

Date of Government Version: 09/19/05
Date Data Arrived at EDR: 09/20/05
Date Made Active in Reports: 11/09/05
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

SPILLS: Spills Data
Incidents reported to the Division of Environmental Response and Remediation

Date of Government Version: 08/09/05
Date Data Arrived at EDR: 08/10/05
Date Made Active in Reports: 08/26/05
Number of Days to Update: 16

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INST CONTROL: Sites with Institutional Controls
Sites included on the Brownfields Sites listing that have institutional controls in place.

Date of Government Version: 01/13/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/02/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

VCP: Voluntary Cleanup Sites List

Date of Government Version: 09/02/05
Date Data Arrived at EDR: 09/02/05
Date Made Active in Reports: 10/06/05
Number of Days to Update: 34

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 08/29/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

DRYCLEANERS: Registered Drycleaners
A listing of registered drycleaners.

Date of Government Version: 03/31/05
Date Data Arrived at EDR: 03/31/05
Date Made Active in Reports: 04/19/05
Number of Days to Update: 19

Source: Department of Environmental Quality
Telephone: 801-536-4437
Last EDR Contact: 08/15/05
Next Scheduled EDR Contact: 11/14/05
Data Release Frequency: Varies

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS: Brownfields Assessment Sites

Date of Government Version: 01/13/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 801-536-4100
Last EDR Contact: 09/02/05
Next Scheduled EDR Contact: 11/28/05
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-Annually

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/21/05
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/02/05
Date Data Arrived at EDR: 06/03/05
Date Made Active in Reports: 06/28/05
Number of Days to Update: 25

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 09/08/05
Date Data Arrived at EDR: 09/09/05
Date Made Active in Reports: 10/25/05
Number of Days to Update: 46

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

INDIAN UST: Underground Storage Tanks on Indian Land

Date of Government Version: 04/18/05
Date Data Arrived at EDR: 05/16/05
Date Made Active in Reports: 06/02/05
Number of Days to Update: 17

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

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EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Provider List
Source: Department of Health
Telephone: 801-538-9299

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

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STREET AND ADDRESS INFORMATION

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APPENDIX H

ENVIRONMENTAL DATABASE DESCRIPTIONS

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APPENDIX H
Environmental Database Descriptions

Federal ASTM Standard Databases

NPL Database
The National Priorities List (NPL) is the U.S. Environmental Protection Agency (USEPA) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remediation. The Proposed NPL database identifies sites for which the USEPA has proposed for NPL status. The Delisted NPL database identifies sites that have been removed from the NPL because no further response is appropriate. The NPL Liens database identifies sites for which the USEPA has filed liens in order to recover remedial action expenditures or when the property owner has received notification of potential liability.

CERCLIS Database
The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list is a compilation by the USEPA of known or suspected uncontrolled or abandoned hazardous waste sites, which the USEPA has investigated, or is currently investigating for a release or threatened release of hazardous substances pursuant to the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA, Superfund Act). The CERC-NFRAP database identifies CERCLIS sites where no further remedial action is planned.

RCRIS Database
The Resource Conservation and Recovery Information System (RCRIS), identifies and tracks hazardous waste from the point of generation to the point of disposal. The database includes sites which have filed notification forms with the U.S. Environmental Protection Agency (EPA) in accordance with RCRIS requirements regarding the generation, storage, transportation, treatment, or disposal of hazardous waste.

CORRACTS Database
The Corrective Action Sites (CORRACTS) database identifies waste handlers with RCRIS corrective activity. This database indicates nationally-defined corrective action core events associated with each waste handler that has record of corrective action activity.

ERNS Database
The Emergency Response Notification System (ERNS) is a national database that is used to store information concerning the sudden and/or accidental release of hazardous substances, including petroleum, into the environment.

State ASTM Standard Databases

HWS Database
The Hazardous Waste Site (HWS) database includes information on known or suspected uncontrolled or abandoned hazardous waste sites. Because the State of Utah does not maintain a formal "State Superfund" program, the USEPA CERCLIS database is considered to be the equivalent of the HWS database.

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SWF/Landfill Database
The Solid Waste Facilities (SWF)/Landfill Sites database includes information on both active and inactive landfills in the State of Utah and is released on an annual basis by the Utah Department of Environmental Quality.

LUST Database
The State of Utah Leaking Underground Storage Tank (LUST) database is a comprehensive listing of all registered active and inactive sites (within the state of Utah), reported as having, at some time, a leaking underground storage tank(s).

UST Database
The State of Utah Underground Storage Tank (UST) database is a summary listing of all registered active and inactive underground storage tanks located within the State of Utah.

Indian LUST Database
The Indian LUST database is a comprehensive listing of all registered active and inactive sites (on Indian lands), reported as having, at some time, a leaking underground storage tank(s).

Indian UST Database
The Indian UST database is a summary listing of all registered active and inactive underground storage tanks located on Indian lands.

Federal ASTM Supplemental Databases

CONSENT Database
The Superfund Consent Decrees (CONSENT) database indicates where major legal settlements have established responsibility and cleanup standards for NPL sites.

RODS Database
The Records of Decision (ROD) database identifies NPL sites where a permanent remedy has been mandated. The ROD documents contain technical and health information to assist in site remediation.

FINDS Database
The Facility Index System (FINDS) database is a computerized inventory of all facilities that are regulated or tracked by the USEPA. These facilities are assigned an identification number that serves as a cross-reference for other databases in the USEPA's program system. The appearance of a site in the FINDS system does not, in itself, indicate an environmental concern.

HMIRS Database
The Hazardous Materials Information Reporting System (HMIRS) contains hazardous material spill incidents reported to the Department of Transportation.

MLTS Database
The Material Licensing Tracking System (MLTS) database is maintained by the Nuclear Regulatory Commission (NRC) and contains a list of sites which posses or use radioactive materials and are subject to NRC licensing requirements.

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MINES Database
The Mines Master Index File (MINES) database is compiled by the Department of Labor, Mine Safety and Health Administration and identifies active and inactive mines.

PADS Database
The PCB Activity Database System (PADS) identifies generators, transporters, commercial scorers and/or brokers and disposers of PCBs that are required to notify the USEPA of such activities.

DOD Database
The Department of Defense (DOD) database consists of federally owned or administered lands, administered by the DOD, that have area equal to or greater than 640 acres.

UMTRA Database
The Uranium Mill Tailings (UMTRA) database identifies sites targeted by the Department of Energy for cleanup.

ODI Database
The Open Dump Inventory (ODI) database identifies disposal facilities that do not comply with Part 257 or 258 of Subtitle D criteria.

FUDS Database
The Formerly Used Defense Sites (FUDS) database includes locations of department of defense properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

RAATS Database
The Resource Conservation and Recovery Information System, Administrative Action Tracking System (RAATS) contains records based on enforcement actions issued under RCRIS pertaining to major violators and includes administrative and civil actions brought by the USEPA.

TRIS Database
The Toxic Release Inventory System (TRIS) contains information regarding facilities which manufacture, process or import toxic chemicals.

TSCA Database
The Toxic Substances Control Act Inventory (TSCA) includes the locations of processors and manufacturers of chemicals. The database is no longer released by the USEPA but is useful to identify previous processing and manufacturing plants.

FTTS Database
The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)/Toxic Substances Control Act (TSCA) Tracking System (FTTS) is maintained by the USEPA and includes locations of processors and manufacturers of pesticides.

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BROWNFIELDS Databases

The USEPA's Targeted Brownfields Assessment program is designed to help states, tribes, and municipalities minimize the uncertainties of contamination often associated with impacted properties. Under the program, the USEPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under the USEPA's Brownfields Initiative to promote cleanup and redevelopment of the properties.

Indian Reservations Database

The Indian Reservations Database is a listing of Indian administered lands that have an area equal to or greater than 640 acres.

State ASTM Supplemental Databases

State ASTM supplemental databases include Aboveground Storage Tanks (AST), Leaking Aboveground Storage Tanks (LAST), SPILLS incidents, and Dry Cleaners . The databases are maintained by the DERR and include registered ASTs, leaking ASTs, incidents reported to the Utah Department of Environmental Quality, and registered dry cleaning facilities.

EDR Proprietary Historical Databases

EDR proprietary historical databases reviewed were limited to Former Manufactured Gas (Coal Gas) sites. The database identifies former locations of coal gas manufacturing facilities.

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