utah power
& LIGHT COMPANY
MINING DIVISION
P.O. Box 310
Huntington, Utah 84528

RECEIVED
MAR 23 1990
DIVISION OF
OIL, GAS & MINING

015-019-90

Cottonwood-Wilberg mine

March 20, 1990

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Pamela:

Transmitted herewith please find Utah Power and Light Company's application for an exploration license on Trail Mountain, Emery County, Utah.

If you have questions or require further information, please call me at 220-4621.

Sincerely,

Val Payne

For David Smaldone
Director of Permitting,
Compliance and Services

VP/do
Enclosure

PACIFIC POWER • UTAH POWER

324 South State
P.O. Box 26128
Salt Lake City, Utah 84126-0128

PACIFICORP
ELECTRIC OPERATIONS GROUP

RECEIVED
MAR 23 1990
DIVISION OF
OIL, GAS & MINING

January 12, 1990

Mr. Randy Heuscher, Chief
Mining Law & Solid Minerals
324 South State Street, Suite 301
Salt Lake City, Utah 84111-2303

Dear Mr. Heuscher:

Submitted is Utah Power and Light's application for an exploration license on Trail Mountain, Emery County, Utah. Text and map are included for descriptive purposes. It is planned to conduct drilling operations as soon as possible.

A proposed newspaper advertisement is enclosed. Please call if you have questions.

Sincerely,

David Smaldone
Director of Permitting,
Compliance & Services
Fuel Resources

DS:bb:6358
Enclosure

Proposed Newspaper Notice

Utah Power & Light Company plans to conduct exploration activities in area referenced as follows:

Township 17 South, Range 6 East		Acres
Section 21:	E½, E½W½	480.0
Section 22:	All	640.0
Section 23:	All	579.8
Section 24:	W½W½	160.0
Section 25:	N½NW¼	80.0
Section 26:	W½SW¼NE¼, NW¼, N½SW¼; NW¼SE¼	380.0
Section 27:	N½, N½S½	480.0
Section 28:	All	640.0
Section 29:	E½SE¼	80.0
Section 32:	E½	320.0
Section 33:	All	640.0
	Total	4,479.8

Anyone wishing to participate should notify the following in writing by (insert date).

State Director
BLM
324 South State, Suite 301
Salt Lake City, Utah 84111-2303

David Smaldone
Utah Power and Light - Fuel Resources
324 South State Street
P.O. Box 26128
Salt Lake City, Utah 84126-0128

UTAH POWER & LIGHT COMPANY
FUEL RESOURCES

TRAIL MOUNTAIN EXPLORATION LICENSE - EXPLORATION PLAN
JANUARY 1990

43 CFR Ch. 11 (10-1-88 Edition) Subpart 3482.1(a) - Exploration Plans

Applicant:

Utah Power and Light - Fuel Resources
324 South State Street
P.O. Box 26128
Salt Lake City, Utah 84126-0128

Representative of Applicant:

David Smaldone
Utah Power and Light - Fuel Resources
324 South State Street
P.O. Box 26128
Salt Lake City, Utah 84126-0128

Description of the Proposed Exploration Area and Project:

The following is a legal description of the lands recommended for inclusion in the Exploration License (reference Trail Mountain exploration license map).

Township 17 South, Range 6 East		Acres
Section 21:	E½, E½W½	480.0
Section 22:	All	640.0
Section 23:	All	579.8
Section 24:	W½W½	160.0
Section 25:	N½NW¼	80.0
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	TOTAL	4,479.8

Most of the holes to be completed are located in areas covered by Pinyon Juniper stands which are interspersed with sagebrush and grass covered flats. In addition to the Pinyon Pine and Utah Juniper, prevalent vegetation includes Serviceberry, Mormon Tea and Rabbit Brush. Drill holes TMTN-1, TMTN-2, TMTN-4 and TMTN-5 are all located in areas having this condition and are located adjacent to existing roads.

Drill hole TMTN-3 is located in a grass and sagebrush flat that is situated between stands of Mountain Mahogany and Juniper trees. A trail leads to this hole from drill hole TMTN-2 and will have to be upgraded to a road for access to this site.

Drill hole TMTN-6 is located in a grassy slope on the west side of Cottonwood Canyon. Vegetation in this area includes White Fir, Douglas Fir with Serviceberry, Elderberry, Mountain Snowberry, and Corymbed Eriogonum. Access to the site is through sagebrush flats and stands of aspen trees. A new road, 1½ miles in length, will be required to gain access to this site.

None of the drill holes are located within any eagle nest buffer zones.

A cultural and archeological exploration of the disturbed areas will be done prior to exploration activities.

Exploration Equipment:

Drill Rig:

1 - Gardner Denver 2000 Style, or equivalent, rotary type drilling

The drilling rig will require supporting vehicles as follows:

1 - Water truck, 80 to 100 barrel capacity
1 - Flat-bed truck for carrying drill pipe and casing
1 - D8H Crawler Tractor
1 - Landscape Tractor/Trailer
1 - Semi-Truck/Flat-Bed Trailer
1 - Logging Truck (Geophysical Probe Truck)
1 - Pickup Trucks (Crew Transportation)
1 - 700 CFM Compressor and Booster

Access roads, pads and mud pits are constructed using a crawler tractor and backhoe. On near flat areas blade work will be minimal, only the low growing brush will be removed by back-blading the surface.

Preservation of topsoil is managed by stripping the drill pads and stockpiling the topsoil adjacent to the drilling site.

Drilling sequence is as follows:

A crawler tractor constructs a minimum width road from the existing road system to the proposed site. This rough construction road is built balancing the cuts and fills. The drill pad, usually 50 x 75 feet is laid out to fit the slope of ground allowing for the least amount of cut.

If the drill site is level the area is back-bladed to remove the vegetation leaving the topsoil in place, otherwise, the site is cleared of brush and topsoil stripped and stockpiled awaiting reclamation work. Mud pits are then excavated. Upon completion of the site the drill rig is driven to the site and set up to begin drilling. Ancillary equipment such as compressors, booster, water truck and flat-bed (drill pipe) trucks are positioned on the pad.

Once drilling has begun it continues until the exploration hole is completed or in the case of a planned core hole, casing is set at the prescribed depth. During the drilling period, drilling materials and cement are delivered to the site awaiting plugging of the hole.

After reaching the planned depth the drill string is removed from the hole and the geophysical logging truck is positioned to probe the hole. Upon recording the necessary data (geophysical logs) the hole is plugged using a two to one cement/water slurry plugging the entire length of the hole drilled. The drilling rig and support equipment are then moved to the next prepared site. The drilling site is cleaned of waste and trash and reclamation of the site will begin as soon as the mud pits have lost their fluids.

Fire Prevention:

In the past fire hazard has not been a major problem. The clearing of drill sites reduces the chance of machine related ignitions and the storing of combustible fuels in a safe area further lessens any fire hazards associated to drilling. Each drilling rig is attended both day and night and if needed, a 3,000 gallon water truck is available for fire suppression.

Soil Erosion:

Short-term soil erosion protection is accomplished by road design, that is, during road construction the roads are designed to the minimum grade possible and out-sloped for drainage.

Reclamation work requires all roads not obliterated to have water bars installed and all disturbed areas will be seeded.

Water Pollution Control Measures:

What little surface water exists on Trail Mountain is found in the form of springs, seeps and small ponds. These waters are used primarily for stock and wildlife and some are developed with tanks and troughs. All access roads and pads located across or adjacent to live or intermittent streams will require culverts or other protective measures to safeguard water quality. Ground water encountered during drilling will be evaluated for monitoring purposes.

Present regulations are specific in monitoring ground water (hydrologic balance) for determining future impacts associated with mining. Measures to protect the migration of ground water will be to cement the hole completely.

Air Pollution:

We anticipate no significant impact to the air quality due to the drilling and other than watering roads for dust suppression no specific measures are planned.

Damage to Fish and Wildlife:

The area of drilling is abundant with wildlife and is known primarily for its deer and elk harvest each Fall. Past experience on nearby lands has proven that wildlife disturbance is minimal.

The drilling period occurs after the calving season and the area of drilling activities is small and isolated.

Fisheries:

There are no major fisheries within the drilling influence zone.

Other Natural Resources:

Of the planned six (6) drill pads and associated access roads, it is estimated that approximately five acres will be disturbed. For the most part, this disturbance will occur on open grass-covered range land. Some aspen and small conifer trees may be removed to provide access and some merchantable timber will be affected. Specific action to reduce this impact will be revegetive seeding and selective routing of the access roads and drill pads.

Public Health and Safety:

Due to the remoteness of the drilling area, public safety involvement is small.

As an operator, Utah Power & Light Company requires by contract that the drilling contractor is knowledgeable and complies with all state and local laws related to his drilling operations and that all equipment used in conjunction with this project meet the safety standards of the federal, state, and local governing agencies.

Method of Plugging Drill Holes:

Upon completion of the drill hole, a proper cement slurry shall be placed in the hole through the open-ended drill pipe using 200 foot segmented lifts for inducing a pressure grout for plugging the drill hole. A hole location marker shall be placed on the surface of the hole to witness its location. This hole plugging procedure is a stipulation of the Bureau of Land Management.

Reclamation Schedule:

It is planned to reclaim each site as soon after completion as possible. We have found from prior drilling in nearby areas that the mud pits require at least two weeks or more to dissipate their fluids. After the reclamation sequence has started it will continue until complete. The average time to drill a 2,000 foot hole in this area is about four days, reclamation work per site will average two days. We are planning to complete the reclamation work during 1990.

Grading and Backfilling:

Road removal will be in accordance with the U. S. Forest Service stipulations attached to the surface management agency's approval.

Using a crawler tractor, mud pits will be filled in, the drill pad bladed, contoured to its original shape and the previously stockpiled topsoil spread evenly over the disturbed area.

The main access roads will be completely removed. Where the road has grades in excess of 12% or side slopes too steep to safely work a crawler tractor will require a backhoe to pull back the fill areas.

Method of Soil Preparation and Fertilizer Application:

There is no special soil preparation planned excepting harrowing the disturbed areas after seeding. No fertilizer is planned.

Type and Mixture of Grass Seed:

	Per Acre
Intermediate Wheatgrass	8 lbs.
Smooth Brome	6 lbs
Yellow Sweet Clover	4 lbs

Method of Planting and Quantity:

All grass seeds are broadcast by a hand-held rotary broadcaster. Areas seeded are cultivated and raked with a tractor-drawn tooth harrow. The rate of application is approximately 18 pounds per acre.

Estimated Timetable and Completion Date for Reclamation Work:

Once reclamation of a drill site begins all phases are continuous, that is, cat work, spreading topsoil, ditching,

seeding, and harrowing. All drill sites and access roads will be reclamated as soon as possible after the hole has been completed.

Completion is scheduled by November 15, 1990, or sooner, contingent on the drilling success and the starting drilling date anticipated at March 1, 1990.

Included in this submittal is a topographical and land status map showing existing roads, major drainages, and the proposed drilling sites with proposed access roads.

1990 Proposed Drill Holes

Hole No.	Location	Proposed Depth
TMTN-1	NW¼, Sec. 28, T17S, R6E	2,370
TMTN-2	NE¼, Sec. 23, T17S, R6E	1,960
TMTN-3	SW¼, Sec. 33, T17S, R6E	1,950
TMTN-4	NE¼, Sec. 21, T17S, R6E	2,260
TMTN-5	NE¼, Sec. 27, T17S, R6E	2,530
TMTN-6	NW¼, Sec. 23, T17S, R6E	1,910
	Total	12,980

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324 South State
P.O. Box 26128
Salt Lake City, Utah 84126-0128

PACIFICORP
ELECTRIC OPERATIONS GROUP

RECEIVED
APR 26 1990
DIVISION OF
OIL, GAS & MINING

April 24, 1990

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: **RESPONSE TO TECHNICAL MEMORANDUM, NOTICE OF INTENT TO EXPLORE, TRAIL MOUNTAIN, UP&LCO, COTTONWOOD/WILBERG MINE, ACT/015/019-900, FOLDER #2, EMERY COUNTY, UTAH**

Dear Ms. Grubaugh-Littig:

In response to your letter dated March 29, 1990, the following is provided to answer your concerns:

1. The proposed amount of coal to be taken during the exploration of the planned six holes amounts to less than 100 lbs. The only coal extracted is that which is associated with coring each hole. A 5-inch O.D. core barrel will be used to penetrate the approximate 10' coal seam whereby producing a 3" O.D. core sample.

2. The representative(s) to be present on-site during drilling are Arden Taylor, Dale Wilson and Don Shurtz.

3. Enclosed is an updated map reflecting the additional topographic lines.

4. In response to drainage design on sloped areas, the applicant will be drilling its hole on or adjacent to existing roads. Where necessary, water bars and/or culverts may be utilized to control drainage. The determination of water bar or culvert placement will be decided at the site. Where holes 1 thru 5 are located on existing roads, it is planned to utilize existing controls (i.e., berms, water bars, drainages ditches, etc.) and modify where needed as field conditions warrant.

5. Applicant's intent was not to cause more disturbance than was necessary. In any event topsoil will be stripped and stockpiled at each site.

6. During the reclamation phase each mud pit is allowed to dry while working other aspects of the drilling project. As the mud pit dries and dissipates, the pit is backfilled with the earthen material originally excavated to aid in the drying process. Past experience has proven to be effective without need for fencing. Should the Forest Service require fencing then this will be incorporated into our plan.

7. The seed mix as proposed is simply in reference to prior drilling such as this. When the Forest Service stipulates its desired seed mixture a copy will be forwarded to your office.

8. In the event any reclaimed slopes are greater than 33%, applicant will mulch and construct water diversion structures.

If you need further information, please call me at 220-4612.

Sincerely,

Scott M. Child
Senior Compliance Land
Status Analyst
Fuel Resources

SMC:bb:6427

cc: Steve Falk - BLM, Price

PACIFIC POWER • UTAH POWER

324 South State
P.O. Box 26128
Salt Lake City, Utah 84126-0128

PACIFICORP
ELECTRIC OPERATIONS GROUP

MAY 24 199

May 23, 1990

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ms. Grubaugh-Littig:

Re: **NOTICE OF INTENT TO EXPLORE LESS THAN 250 TONS, TRAIL MOUNTAIN, UTAH POWER & LIGHT COMPANY, COTTONWOOD/WILBERG MINE, ACT/015/019-90D, FOLDER #2, EMERY COUNTY, UTAH**

In response to your letter dated May 17, 1990, the following is provided in accordance with UMC 776.11(b)(1) and (b)(2).

1. Name, address and telephone number of person seeking to explore:

Mr. Dee W. Jense
Managing Director of Administration
Fuel Resources Department
UTAH POWER & LIGHT COMPANY
324 South State
P. O. Box 26128
Salt Lake City, Utah 84126-0128
Phone: 801-220-4617

2. Name, address and telephone number of the representative who will be present at, and responsible for conducting the exploration activities:

Mr. Arden Taylor
Exploration Field Coordinator
UTAH POWER & LIGHT COMPANY - MINING DIVISION
P. O. Box 1005
Huntington, Utah 84528
Phone: 801-653-2312

Please accept this information, together with our previous responses of April 24, 1990, as meeting the requirements for Notice of Intent to Explore.

Should you have any questions, please call me at 220-4612.

We anticipate commencement of drilling on or about June 10, 1990.

Sincerely,

Scott M. Child
Senior Compliance
Land Status Analyst
Fuel Resources

SMC:bb:6449

cc: Dee Jense
Arden Taylor
Val Payne
Guy Davis

PACIFIC POWER • UTAH POWER

324 South State
P.O. Box 26128
Salt Lake City, Utah 84126-0128

PACIFICORP
ELECTRIC OPERATIONS GROUP

RECEIVED
MAR 23 1990
DIVISION OF
OIL, GAS & MINING

January 12, 1990

Mr. Randy Heuscher, Chief
Mining Law & Solid Minerals
324 South State Street, Suite 301
Salt Lake City, Utah 84111-2303

Dear Mr. Heuscher:

Submitted is Utah Power and Light's application for an exploration license on Trail Mountain, Emery County, Utah. Text and map are included for descriptive purposes. It is planned to conduct drilling operations as soon as possible.

A proposed newspaper advertisement is enclosed. Please call if you have questions.

Sincerely,

David Smaldone
Director of Permitting,
Compliance & Services
Fuel Resources

DS:bb:6358
Enclosure

Proposed Newspaper Notice

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	Total	4,479.8

Anyone wishing to participate should notify the following in writing by (insert date).

State Director
BLM
324 South State, Suite 301
Salt Lake City, Utah 84111-2303

David Smaldone
Utah Power and Light - Fuel Resources
324 South State Street
P.O. Box 26128
Salt Lake City, Utah 84126-0128

UTAH POWER & LIGHT COMPANY
FUEL RESOURCES

TRAIL MOUNTAIN EXPLORATION LICENSE - EXPLORATION PLAN
JANUARY 1990

43 CFR Ch. 11 (10-1-88 Edition) Subpart 3482.1(a) - Exploration Plans

Applicant:

Utah Power and Light - Fuel Resources
324 South State Street
P.O. Box 26128
Salt Lake City, Utah 84126-0128

ok

Representative of Applicant:

David Smaldone
Utah Power and Light - Fuel Resources
324 South State Street
P.O. Box 26128
Salt Lake City, Utah 84126-0128

present at exploration activities?

Description of the Proposed Exploration Area and Project:

The following is a legal description of the lands recommended for inclusion in the Exploration License (reference Trail Mountain exploration license map). - add T & R

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Exploration Equipment:

Drill Rig:

1 - Gardner Denver 2000 Style, or equivalent, rotary type drilling

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1 - Landscape Tractor/Trailer
1 - Semi-Truck/Flat-Bed Trailer
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Fire Prevention:

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Reclamation work requires all roads not obliterated to have water bars installed and all disturbed areas will be seeded.

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The area of drilling is abundant with wildlife and is known primarily for its deer and elk harvest each Fall. Past experience on nearby lands has proven that wildlife disturbance is minimal.

The drilling period occurs after the calving season and the area of drilling activities is small and isolated.

Fisheries:

There are no major fisheries within the drilling influence zone.

Other Natural Resources:

Of the planned six (6) drill pads and associated access roads, it is estimated that approximately five acres will be disturbed. For the most part, this disturbance will occur on open grass-covered range land. Some aspen and small conifer trees may be removed to provide access and some merchantable timber will be affected. Specific action to reduce this impact will be revegetive seeding and selective routing of the access roads and drill pads.

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As an operator, Utah Power & Light Company requires by contract that the drilling contractor is knowledgeable and complies with all state and local laws related to his drilling operations and that all equipment used in conjunction with this project meet the safety standards of the federal, state, and local governing agencies.

Method of Plugging Drill Holes:

Upon completion of the drill hole, a proper cement slurry shall be placed in the hole through the open-ended drill pipe using 200 foot segmented lifts for inducing a pressure grout for plugging the drill hole. A hole location marker shall be placed on the surface of the hole to witness its location. This hole plugging procedure is a stipulation of the Bureau of Land Management.

Reclamation Schedule:

It is planned to reclaim each site as soon after completion as possible. We have found from prior drilling in nearby areas that the mud pits require at least two weeks or more to dissipate their fluids. After the reclamation sequence has started it will continue until complete. The average time to drill a 2,000 foot hole in this area is about four days, reclamation work per site will average two days. We are planning to complete the reclamation work during 1990.

Grading and Backfilling:

Road removal will be in accordance with the U. S. Forest Service stipulations attached to the surface management agency's approval.

Using a crawler tractor, mud pits will be filled in, the drill pad bladed, contoured to its original shape and the previously stockpiled topsoil spread evenly over the disturbed area.

The main access roads will be completely removed. Where the road has grades in excess of 12% or side slopes too steep to safely work a crawler tractor will require a backhoe to pull back the fill areas.

Method of Soil Preparation and Fertilizer Application:

There is no special soil preparation planned excepting harrowing the disturbed areas after seeding. No fertilizer is planned. Areas where topsoil has not been removed should be ripped

Type and Mixture of Grass Seed:

Thickspike 4
Western 6
Slender 4
Yellow Sweet 4

	Per Acre
Intermediate Wheatgrass	8 lbs.
Smooth Brome	6 lbs
Yellow Sweet Clover	4 lbs

all introduced

Method of Planting and Quantity:

All grass seeds are broadcast by a hand-held rotary broadcaster. Areas seeded are cultivated and raked with a tractor-drawn tooth harrow. The rate of application is approximately 18 pounds per acre.

Estimated Timetable and Completion Date for Reclamation Work:

Once reclamation of a drill site begins all phases are continuous, that is, cat work, spreading topsoil, ditching,

seeding, and harrowing. All drill sites and access roads will be reclamated as soon as possible after the hole has been completed.

Completion is scheduled by November 15, 1990, or sooner, contingent on the drilling success and the starting drilling date anticipated at March 1, 1990.

Included in this submittal is a topographical and land status map showing existing roads, major drainages, and the proposed drilling sites with proposed access roads.

1990 Proposed Drill Holes

Hole No.	Location	Proposed Depth
TMTN-1	NW¼, Sec. 28, T17S, R6E	2,370
TMTN-2	NE¼, Sec. 23, T17S, R6E	1,960
TMTN-3	SW¼, Sec. 33, T17S, R6E	1,950
TMTN-4	NE¼, Sec. 21, T17S, R6E	2,260
TMTN-5	NE¼, Sec. 27, T17S, R6E	2,530
TMTN-6	NW¼, Sec. 23, T17S, R6E	1,910
	Total	12,980

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Looks good.
HT63/2-3
(65)

March 27, 1990

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Susan M. White, Reclamation Biologist SMW

RE: **Approval of Notice of Intent to Explore Less Than 250 Tons, Trail Mountain, Utah Power and Light Company, Cottonwood/Wilberg Mine, CEP/015/019-90D, Folder #2, Emery County, Utah**

Synopsis and Analysis

March 20, 1990, Utah Power and Light Company (UP&L) submitted a Notice of Intent to drill coal exploration drill holes on unleased Federal coal reserves to the west of the Cottonwood/Wilberg Mine permit area on Trail Mountain. All surface lands in the proposed licensed area are controlled by the U.S. Forest Service. Subsurface and mineral rights are controlled by the Bureau of Land Management. The application is for a total of six drill holes, disturbing less than five acres of land. All exploration work will be completed in 1990.

Recommendations

The submittal is not complete and should not be approved until the following concerns from UMC 776.11 "General Requirements: Exploration of Less Than 250 Tons" are addressed.

1. The applicant should state the proposed amount of coal to be taken during the exploration of six holes.

2. David Smaldone is listed as the representative of the applicant. Will he also be present on site during exploration activities?

an equal opportunity employer

3. The map submitted in the application is not complete. The west boundary of the proposed permit area must have topographic lines and township and range should be indicated.

4. The applicant states that short term erosion control will be to design roads to the minimum grade possible and outslope for drainage. These are inadequate as the only short term erosion control methods. The applicant should address drainage design on sloped areas.

5. The applicant states that on level sites the topsoil will remain in place during drilling activities. The applicant must strip and stockpile all topsoil or commit to using only non-compacting equipment on the pad (i.e., tracked vehicles).

6. A contingency plan should be developed for erosion control and protection of wildlife if the mud pits do not dry out during the 1990 exploration season (i.e., fencing, interim seeding).

7. The proposed seed mix lists only three species. The seed mix should be more diverse. The applicant shall specify that seeding will occur no sooner than September 1 of the given year.

8. The applicant should commit to mulching and construction of water diversion structures (i.e., water bars) on any reclaimed slopes greater than 33 percent.

djh
AT63/2-3

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

pgf

INSPECTION REPORT

INSPECTION DATE & TIME: October 10, 1991
8:00 p.m. to 3:00 p.m.

Permittee and/or Operators Name: PacifiCorp Electric Operations
Business Address: 210 S Main, Suite 2100, SLC, UT 84140-0021
Mine Name: Trail Mountain Exploration Permit Number: ACT/015/019-90D
Type of Mining Activity: Underground X Surface___ Other___
County: Emery
Company Official (s): None
State Official(s): Ken Wyatt, Tom Munson
Partial: X Complete:___ Date of Last Inspection: NA
Weather Conditions: Clear and warm
Acreage: 4480 Permitted 4480 Disturbed 5 Regraded 5 Seeded 5 Bonded 5
Enforcement action: None

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	( )	( )	( )	( )
2. SIGNS AND MARKERS	( )	( )	( )	( )
3. TOPSOIL	( )	( )	( )	( )
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	( )	( )	( )	( )
b. DIVERSIONS	( )	( )	( )	( )
c. SEDIMENT PONDS AND IMPOUNDMENTS	( )	( )	( )	( )
d. OTHER SEDIMENT CONTROL MEASURES	( )	( )	( )	( )
e. SURFACE AND GROUNDWATER MONITORING	( )	( )	( )	( )
f. EFFLUENT LIMITATIONS	( )	( )	( )	( )
5. EXPLOSIVES	( )	( )	( )	( )
6. DISPOSAL OF DEVELOPMENT WASTE & SPOIL	( )	( )	( )	( )
7. COAL PROCESSING WASTE	( )	( )	( )	( )
8. NONCOAL WASTE	( )	( )	( )	( )
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	( )	( )	( )	( )
10. SLIDES AND OTHER DAMAGE	( )	( )	( )	( )
11. CONTEMPORANEOUS RECLAMATION	(X)	( )	( )	(X)
12. BACKFILLING AND GRADING	(X)	( )	( )	(X)
13. REVEGETATION	(X)	( )	( )	(X)
14. SUBSIDENCE CONTROL	( )	( )	( )	( )
15. CESSATION OF OPERATIONS	( )	( )	( )	( )
16. ROADS				
a. CONSTRUCTION	( )	( )	( )	( )
b. DRAINAGE CONTROLS	( )	( )	( )	( )
c. SURFACING	( )	( )	( )	( )
d. MAINTENANCE	( )	( )	( )	( )
17. OTHER TRANSPORTATION FACILITIES	( )	( )	( )	( )
18. SUPPORT FACILITIES UTILITY INSTALLATIONS	( )	( )	( )	( )

INSPECTION REPORT

(continuation sheet) Page 2 of 2

PERMIT NUMBER: ACT/015/___ DATE OF INSPECTION: 10/10/91

(Comments are Numbered to Correspond with Topics Listed Above)

Exploration activities on Trail Mountain in 1990 - 91 include eight coal exploration drill holes permitted as a minor exploration activity. These include holes TMTN-1 through TMTN-8.

TMTN-1 was still being worked. The operator onsite indicated that this hole was a problem in that at about 1300 feet they kept hitting sand, water and clay. They were considering abandoning this hole.

11. CONTEMPORANEOUS RECLAMATION
The pads and roads associated with holes TMTN-2, TMTN-3, TMTN-4, TMTN-5 and TMTN-6 had all been recontoured and seeded last year. The topography was acceptable and growth was observed on the pad surface. Holes TMTN-7 and TMTN-8 were reclaimed this year. Seed was observed on the surface.

12. BACKFILLING AND GRADING
All holes except TMTN-1 were backfilled and regraded. They blended in with the surrounding topography.

13. REVEGETATION
Holes TMTN-2 through 6 were revegetated last year. Vegetation looked good, with a variety of grasses and shrubs.

Copy of this Report:
Mailed to: Bernie Freeman (OSM), Blake Webster & Guy Davis (PEO)
Given to: Joe Helfrich (DOGM)

Inspectors Signature: Ken Wyatt #42 Date: 10/28/91

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 12, 1990

Mr. Peter A. Rutledge, Chief
Division of Federal Programs
Western Field Operations
Office of Surface Mining
Brooks Towers, 1020 15th Street
Denver, Colorado 80202

Dear Mr. Rutledge:

Re: Recommendation for Approval of Notice of Intent to Explore Less than 250 Tons, Trail Mountain, Utah Power & Light Company, Cottonwood/Wilberg Mine, ACT/015/019-90D, Folder #2, Emery County, Utah

The Division has reviewed Utah Power & Light Company's Notice of Intent to Explore less than 250 tons at Trail Mountain and determined that the information submitted meets the requirements for UMC 776.11.

If you have any questions, please call me.

Sincerely,

Pamela Grubaugh-Littig

Pamela Grubaugh-Littig
Permit Supervisor

djh
cc: S. Childs, UP&L
V. Payne, UP&L
S. White, DOGM
AT45/147

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Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 12, 1990

Mr. Robert Hagen, Director
Office of Surface Mining
Reclamation and Enforcement
Albuquerque Field Office
Suite 310, Silver Square
625 Silver Avenue, S. W.
Albuquerque, New Mexico 87102

Dear Mr. Hagen:

Re: Recommendation for Approval of Notice of Intent to Explore Less than 250 Tons, Trail Mountain, Utah Power & Light Company, Cottonwood/Wilberg Mine, ACT/015/019-90D, Folder #2, Emery County, Utah

The Division has reviewed Utah Power & Light Company's Notice of Intent to Explore less than 250 tons at Trail Mountain and determined that the information submitted meets the requirements for UMC 776.11.

If you have any questions, please call me.

Sincerely,

Pamela Grubaugh-Littig

Pamela Grubaugh-Littig
Permit Supervisor

djh
cc: S. Childs, UP&L
V. Payne, UP&L
S. White, DOGM
AT45/148

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Soldier Creek
UPIL
EXP PLANS
FEDERAL REGISTER
MARCH 1, 1990
P9 73-78 BLM
KEMAG
534-3218

justification for each
re; and the cost of the
re is reasonable and
to the proposed agreement
able in accordance with
cular A–87, Cost Principles
and Local Governments.

ission of Applications: 1. The
e for applications submitted
nouncement is (insert date 30
publication in the Federal

cations may be mailed or
vered;
ications which are mailed must
arked no later than midnight on
990.
lications which are hand-
l, must be received at the
and room referenced below no
n the close of business on April
2, 1990;

c. Late applications will not be considered for funding;

3. Applications shall be mailed or hand-delivered to:

Bureau of Indian Affairs, Attention: Deputy to the Assistant Secretary—Indian Affairs (Tribal Services), 18th and C Streets NW., Room 4600–MIB, Washington, DC 20240.

Walter R. Mills,

Assistant Secretary—Indian Affairs.

[FR Doc. 90–4661 Filed 2–28–90; 8:45 am]

BILLING CODE 4310–02–M

trust responsibilities with respect to the tribe or its members.

F. *Application Review and Approval Process:* Applications submitted in response to this announcement will be subject to competitive review and evaluation. An independent review panel, appointed by the Assistant Secretary—Indian Affairs, will evaluate applications against the criteria and the terms and conditions contained in this announcement, including any statutory or regulatory requirements. Incomplete applications or applications which do not conform to this announcement will not be reviewed; i.e., an application lacking a single agency audit report. Such applications will be returned to sender as non-responsive and the applicant shall have no appeal rights. All other decisions made by the Bureau regarding the applications are appealable under the provisions of 25 CFR part 2.

Applications will be reviewed and rated as follows:

1. The goals/objectives of the grant are scheduled and measurable and are consistent with the purpose of this annoucement; (35)
2. Grant objectives are fully and clearly described and reflect the needs of the tribe and its members; (20)
3. The grant objectives can be accomplished with the resources requested and/or available and the application indicates who will accomplish each objective; (15)
4. The application contains evidence of capability and qualifications, i.e., resumes and position description of key project staff are a part of the application; and (15)
5. A line item budget is accompanied by

776.11 or 776.12 ←
OR R614-201-200 or 300.

Bureau of Land Management

[UTU–66506]

Utah; Invitation to Participate in Coal Exploration Program, Soldier Creek Coal Company

Solidier Creek Coal Company is inviting all qualified parties to participate in its proposed exploration of certain Federal coal deposits in the following described lands in Carbon County, Utah:

T. 12 S., R. 12 E., SLM, Utah
Sec. 33, S½;
Sec. 34, SW¼.
Containing 480.00 acres

Any party electing to participate in this exploration program must send written notice of such election to the Bureau of Land Management, Utah State Office, P. O. Box 45155, Salt Lake City, Utah 84145–0155 and to J. T. Paulso, Soldier Creek Coal Company, P. O. Box I, Price, Utah 84501. Such written notice must refer to serial number UTU–66506 and must be received on or before April 2, 1990.

Any party wishing to participate in this exploration program must be qualified to hold a lease under the provisions of 43 CFR 3472.1 and must share all cost on a pro rata basis. A copy of the exploration plan, as submitted by Soldier Creek Coal Company, is available for public review during normal business hours in the BLM office, (Public Room, Fourth Floor), 324 South State Street, Salt Lake City, Utah under serial number UTU–66506.

Ted D. Stephenson,

Chief, Branch of Lands and Minerals Operations.

[FR Doc. 90–4636 Filed 2–28–90; 8:45 am]

BILLING CODE 4310–DQ–M

EAST MOUNTAIN PLAN

Exploration License
→ Trail Mountain #9
Off the permit area.

[UTU–66524]

Utah; Invitation to Participate in Coal Exploration Program; Utah Power and Light Company

Utah Power and Light Company is inviting all qualified parties to participate in its proposed exploration of certain Federal coal deposits in the following described lands in Emery County, Utah:

16 holes

T. 17 S., R. 6 E., SLM, Utah
Sec. 21, E½, E½W½;
Sec. 22, all;
Sec. 23, all;
Sec. 24, W½W½;
Sec. 25, N½NW¼;
Sec. 26, W½SW¼NE¼, NW¼, N½SW¼, W½NW¼SE¼, N½NE¼;
Sec. 27, N½, N½S½;
Sec. 28, all;
Sec. 29, E½SE¼;
Sec. 32, E½;
Sec. 33, all.
Containing 4,459.80 acres

Any party electing to participate in this exploration program must send written notice of such election to the Bureau of Land Management, Utah State Office, P.O. Box 45155, Salt Lake City, Utah 84145–0155 and to David Smaldone, Utah Power and Light Company, P.O. Box 26128, Salt Lake City, Utah 84126–0128. Such written notice must be received on or before April 2, 1990.

Any party wishing to participate in this exploration program must be qualified to hold a lease under the provisions of 43 CFR 3472.1 and must share all cost on a pro rata basis. A copy of the exploration plan, as submitted by Utah Power and Light Company, is available for public review during normal business hours in the BLM office (Public Room, Fourth Floor),

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 6, 1990

Mr. David R. Smaldone
Director, Permitting,
Compliance & Services
324 South State Street
P.O. Box 26128
Salt Lake City, Utah 84126-0218

Dear Mr. Smaldone:

Re: Recommendation for Approval of Notice of Intent to Explore Less than 250 Tons, Trail Mountain, Utah Power & Light Company, Cottonwood/Wilberg Mine, ACT/015/019-90D, Folder #2, Emery County, Utah

The Division has reviewed Utah Power & Light Company's Notice of Intent to Explore less than 250 tons at Trail Mountain and determined that the information submitted meets the requirements for UMC 776.11.

If you have any questions, please call me.

Sincerely,

Pamela Grubaugh-Littig

Pamela Grubaugh-Littig
Permit Supervisor

cl
cc: S. Childs, UP&L
V. Payne, UP&L
S. White, DOGM
BT53/91

an equal opportunity employer

Pam - route to mine file
we should inspect these drill sites, the lead is BLM if outside of pmt area.

L. Braxton

United States Department of Agriculture | Forest Service | Manti-LaSal National Forest | 599 West Price River Dr. Price, Utah 84501

Reply to: 2820

Date: June 5, 1990

James M. Parker
Utah State Office
Bureau of Land Management
324 South State, Suite 301
Salt Lake City, Utah 84111-2303

RECEIVED
JUN 07 1990
DIVISION OF
OIL, GAS & MINING

Dear Mr. Parker:

Enclosed is a copy of the Forest Service Decision Memorandum for Utah Power and Light Company's Coal Exploration License Application UTU-66524. The Decision Memorandum documents the Forest Service environmental analysis and consent decision.

As stated in the Decision Memorandum, the Manti-La Sal National Forest consents to approval of the coal exploration license, subject to the attached Forest Service special stipulations and posting of a reclamation bond in the amount of $11,000. This decision is appealable to the Forest Service and will be published in the Emery County Progress on June 5, 1990, and the Sun Advocate on June 7, 1990. The project can not be initiated before June 15, 1990, nor prior to issuance of the required Forest Service Road-Use Permit (Stipulation #2) and completion of the pre-work meeting (Stipulation #1).

If you have any questions, please contact the Forest Supervisor's Office in Price, Utah.

Sincerely,

/s/ Aaron L. Howe

for
GEORGE A. MORRIS
Forest Supervisor

Enclosure

cc:
G. Nodine, BLM - Moab
L. Braxton, Div. of Oil, Gas and Mining
C. Reed

DECISION MEMO

Utah Power and Light Company
Coal Exploration License UTU-66524

Manti-LaSal National Forest
Price, Utah

I have decided to allow Utah Power and Light Company (UP&L) to drill six coal exploration holes under coal exploration license UTU-66524 (see map, Attachment 1). All holes will be located on the Ferron Ranger District of the Manti-LaSal National Forest, and will be used to determine coal quality and quantity.

The proposed action falls within category 5 (mineral and energy activities of limited size, duration, and degree of disturbance, such as preliminary exploration and removal of small mineral samples) and no extraordinary circumstances exist that might cause the action to have significant effects. Based on the UP&L proposal, this action is categorically excluded from documentation in an environmental impact statement or an environmental assessment (FSH 1909.15, section 26.2). This type of coal exploratory drilling is a routine practice on the Wasatch Plateau. Many holes have been drilled on the Ferron Ranger District in the past, with no resource damage, and the sites have been successfully rehabilitated.

The area immediately to the south of the area covered by UP&Ls exploration license UTU-66524 (see map, Attachment 1) was also evaluated for drilling in the Environmental Assessment for Beaver Creek Coal Company, Trail Mountain Mine, 1988 Coal Exploration Drilling Project, Coal Exploration License U-64233. The drilling program was conducted during the summers of 1988 and 1989 with no resource damage.

The six sites are on the eastern side of the Wasatch Plateau, in relatively flat areas with elevations varying from approximately 8,300 to 9,370 feet. The sites are located on exposures of the Price River and North Horn Formations, which consist of interbedded sandstones, claystones, and siltstones. The soils are sandy with some colluvium derived from the North Horn and Flagstaff Formations. A brief description of each site and the required access roads is in Attachment 2.

Scoping letters were mailed to 21 individuals and organizations (see Attachment 3). A notice was also placed in the Emery County Progress newspaper. The only comments received were from the Utah Division of Wildlife Resources concerning impacts to wildlife habitat. All of their concerns have been addressed and are included in the special stipulations for drilling (Attachment 4). There are no unresolved comments.

This project is consistent with the management directions, including standards and guidelines, in the Manti-LaSal National Forest Land and Resource Management Plan (pages III-4, III-12, and III-34 through III-36). The management prescription of the sites is for forage production. Mineral activities are allowed with mitigation to assure continued livestock access and use.

This decision may be implemented on June 15, 1990.

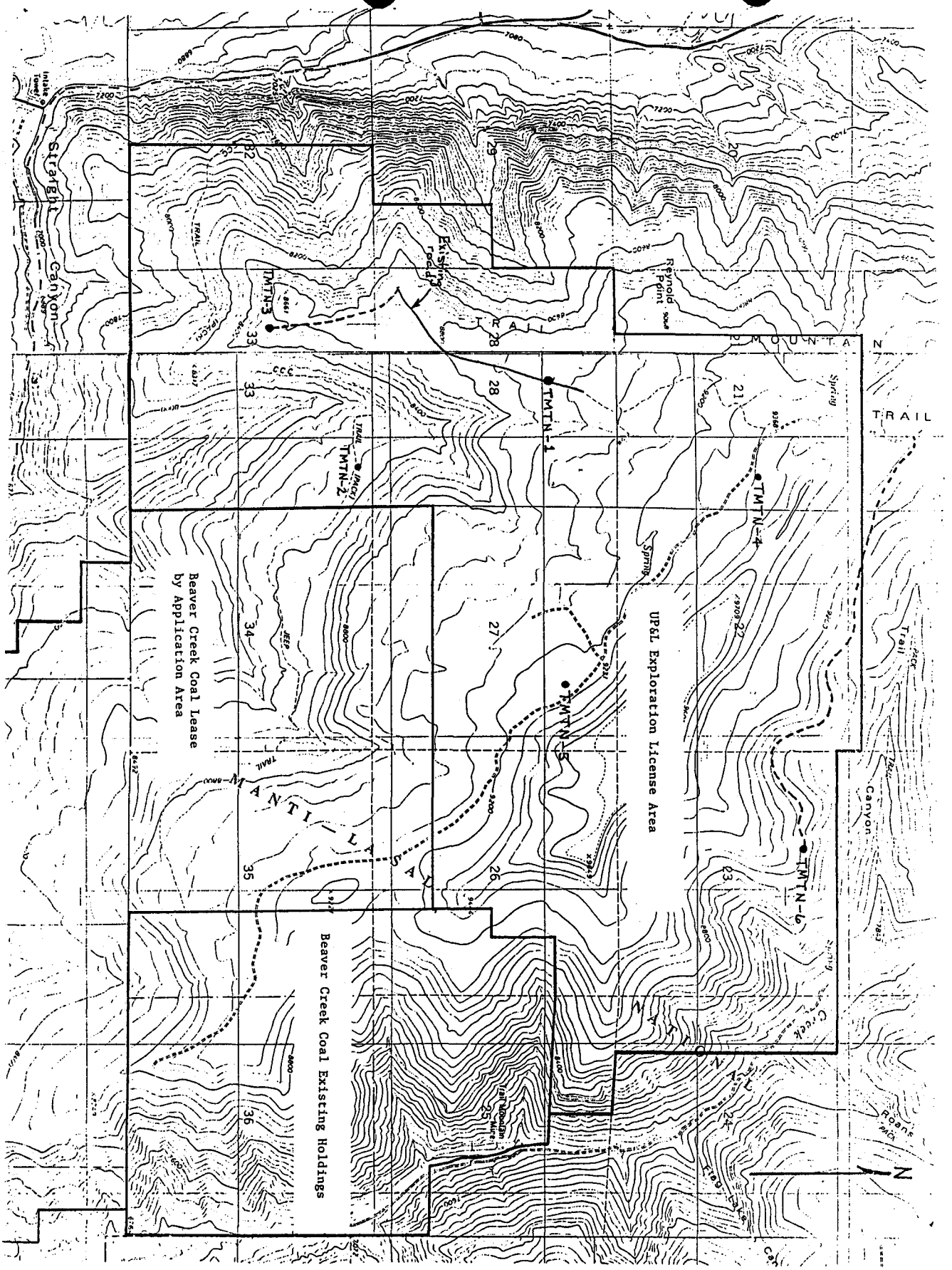
This decision is subject to appeal pursuant to 36 CFR 217. Any written notice of appeal of this decision must be fully consistent with 36 CFR 217.9 "Content of Notice of Appeal," including the reasons for appeal, and must be filed with Regional Forester Stan Tixier, 324 25th Street, Ogden, Utah 84401, within 45 days of the date specified in the published Legal Notice in the Sun Advocate. Simultaneously send a copy of the Notice of Appeal to Forest Supervisor George A. Morris, 599 West Price River Drive, Price, Utah 84501.

For further information contact Dale Harber at telephone (801) 384-2372.

for Sharon Metzler

GEORGE A. MORRIS
Forest Supervisor
599 West Price River Drive
Price, Utah 84501

Date 6/5/90



TMTN-4 Proposed Drill Hole

New Access Road

0 ½ 1

Scale (miles)

ATTACHMENT 1 - Location Map

Scoping letters were sent to the following individuals and organizations:

Trail Mountain Allotment
City of Orangeville
Emery County Economic Development
Southeastern Utah Association of Local Governments
Maughan Guymon
Lee McElprang
Arva M. Smith
Bountiful City Light and Power
Emery County Commissioners
Beaver Creek Coal Company
Coastal States Energy Company
Meridian Oil - William C. Mitchell
Meridian Oil - Charlie Byerly
East Carbon Wildlife Federation - Kent Hintze
East Carbon Wildlife Federation - Shefton Gordon
Emery Water Conservancy District
The Nature Conservancy
Utah Wilderness Association
Department of Natural Resources
Utah Bureau of Water Pollution Control
Utah Division of Wildlife Resources - Larry B. Dalton

The following is a brief description of each of the six drill sites and the access roads required:

TMTN-1
The site is 90% bare, and slopes to the southeast at 5%. The sparse vegetation consists of limber pines (approx. 4 feet tall), small serviceberry and mahogany shrubs, and a few grasses. It is adjacent to an existing 2-track road.

TMTN-2
This site is on a 5% slope in a sagebrush-grass opening among scattered large serviceberry shrubs. 200 yards of an exisiting 2-track road must be improved where it crosses a 20% side slope. The road must be closed after the project is completed.

TMTN-3
This site is in an area of scattered pinyon, juniper, sagebrush, and hardgrasses. 80% of the surface is bare soil. 1.27 miles of access road will be required to reach the site. Approximately half of the access road must be constructed across furrows in a watershed improvement area. The other half of the access road will be a previously closed road to a drill site which must be reopened. The new road will have a grade of less than 8% and crosses side slopes of less than 20%. The roads must be closed and reclaimed at the close of the project.

TMTN-4
The site is on an 8-10% slope in a sagebrush-grass opening, surrounded by aspens. Ground cover is poor. 200 feet of access road, across a 10% slope and through light aspen, will be required. The road must be closed and reclaimed at the close of the project.

TMTN-5
This site is on a 5% slope in a sagebrush-grass opening. Brome grass was seeded in the area in the past. 200 feet of access road, crossing a 5% slope covered with sagebrush, will be required. The road must be closed and reclaimed at the closed of the project.

TMTN-6
The drill site is on a 5-10% slope, above a steep slope, in an area of sagebrush and hard grass. There is very poor ground cover. 2.03 miles of access road, with an elevation change of 600 feet, will be required to reach the drill site. The first one-half mile of road will pass through aspen stands and sagebrush-grass openings. Approximately 3/8 mile of road will be through aspen stands, much of which is very decadent with few live trees. Grades of the road will be generally less than 8%, except for a few short sections with 10-12% slopes. Side slopes are generally less than 20%, with a maximum of approximately 30%.

Special Stipulations

1. A pre-work meeting including the responsible company representative(s), contractors, and the Forest Service must be conducted at the project location prior to commencement of operations. Site-specific Forest Service requirements will be discussed at this time.

2. A road-use permit must be obtained from the Forest Service before equipment is transported onto National Forest System lands.

3. All surface disturbing activities including reclamation must be supervised by a responsible representative of the permittee who is aware of the terms and conditions of the project permits. A copy of the appropriate permits must be available for review at the project site.

4. The Forest must be notified 48 hours in advance that heavy equipment will be moved onto National Forest System lands and that surface disturbing activities will commence.

5. Establishment of campsites and staging areas on National Forest System lands in support of this project is subject to Forest Service approval.

6. The Forest Service must be notified of any proposed alterations to the plan of operations. Any changes to the existing plan are subject to Forest Service review and concurrence.

7. Fire suppression equipment must be available to all personnel working at the project site. Equipment must include at least one hand tool per crew member consisting of shovels and pulaskis and one properly rated fire extinguisher per vehicle and/or internal combustion engine.

8. All gasoline, diesel, and steam-powered equipment must be equipped with effective spark arrestors and mufflers. Spark arrestors must meet Forest Service specifications discussed in the USDA Forest Service Spark Arrestor Guide, June, 1981. In addition, all electrical equipment must be properly insulated to prevent sparks.

9. The permittee will be held responsible for damage and suppression cost for fires started as a result of operations. Fires must be reported to the Forest Service as soon as possible.

10. The Forest Service reserves the right to suspend operations during periods of high fire potential.

11. Water needed in support of operations must be properly and legally obtained according to state water laws. The location of diversion, if on National Forest System lands, is subject to Forest Service review and approval.

12. Unauthorized off-road vehicular travel is prohibited.

13. Section corners or other survey markers, including claim corners, in the project area must be located and flagged for preservation prior to commencement of surface disturbing activities. The removal, displacement, or disturbance of markers must be approved by the proper authority.

14. If cultural or paleontological resources are discovered during operations, all operations which may result in disturbance to the resources must cease and the Forest Service must be notified of the discovery.

15. Gates must be closed after entry unless otherwise notified.

16. The permittee will be held responsible for all damages to fences, cattleguards, resource improvements, roads, and other structures on National Forest System lands which result from operations. The Forest Service must be notified of damages as soon as possible.

17. All trees and brush must be cleared as the first step for new access and site construction. Topsoil must be stripped and stockpiled at a location where loss and contamination is minimized.

18. Disturbed areas must be reclaimed by the end of the field season. Exceptions require Forest Service approval.

19. Contaminated soil and gravel must be stripped and placed in the mud pit prior to site reclamation.

20. Mud pits must be allowed to dry before they are backfilled and reclaimed. They must be enclosed by a 4-strand barbed wire fence while they are left to dry.

21. When dry, mud pits must be reclaimed by selectively backfilling excavated materials, topsoil last, such that the disturbed area is replaced to approximate original contour. The disturbed area must be seeded with the following seed mix immediately after the topsoil is replaced:

Species	pounds/acre
Intermediate Wheatgrass - Agropyron intermedium	3
Slender Wheatgrass - Agropyron trachycaulum	3
Crested Wheatgrass - Agropyron cristatum var. high crest or Ephraim	3
Smooth Brome - Bromus inermis	3
Yellow Sweet Clover - Melilotus officinalis	1
Ladak Alfalfa - Medicago sativa ladak	1
Small Burnett - Sanguisorba minor	1

This seed mixture must be 99 percent pure live seed, certified weed-free, and applied at the rate of 15 pounds per acre.

22. Roads to be obliterated must be reclaimed by ripping the surface to a depth of 12 to 15 inches, replacing the disturbed area to the approximate original contour, replacing stockpiled topsoil, and seeding with the specified seed mix. Seeding must take place when topsoil is replaced. Water diversion structures, if needed, must be constructed as specified by the Forest Service.

23. All disturbed drainages must be replaced to their approximate original configuration when the project area is reclaimed.

24. Reclamation will be considered complete when ground cover averages 80% of the ground cover of surrounding areas. Ground cover must be the seeded or desirable species, with no more than 10% weeds. There must be no noxious weeds. The permittee is responsible for the cost of controlling noxious weeds for 5 years after drilling is completed.

25. All significant groundwater encountered during drilling must be reported to the Forest Service, including the depth and formation at which it was encountered, and an estimate of flow.

26. The operator must clean up and remove all drilling equipment, trash, garbage, flagging, vehicles, and other such materials from National Forest System lands.

27. All trash, garbage, and other refuse must be properly contained on the project site prior to disposal.

28. All drill holes must be plugged in accordance with Federal and State regulations.

29. Operations must be coordinated with grazing permittees to prevent conflicts.

30. Harrassment of wildlife and livestock is prohibited.

31. All drilling fluids, muds, cuttings and water produced must be contained on site in mud pits or portable containers. Fluids must not be allowed to flow out over the ground or into drainages. The pits must not be used for disposal of garbage, trash, or other refuse.

32. Any trees to be removed larger than 8 inch diameter must be cut and not pushed over. The timber must be skidded or hauled before road construction begins to a point designated by the Forest Service. Trees longer than 33 feet must be cut into smaller sections before skidding. All trees must be cut into lengths not greater than 8 feet before stacking them at the designated point.

33. Outside berms will not be constructed on any roads.

34. Two culvert installations will be required on the access road for TMTN-6 at the ephemeral drainage crossings. These culverts will be removed during reclamation of the road.

35. When it is necessary to fill in a watershed treatment furrow, the soil must be pushed into it from the downhill side.

36. Trees cut along the first 3/8 mile of the access road to TMTN-6 will be scattered on the surface after reclamation. The remainder will be cut into 8 foot lengths and piled at a location designated by the Forest Service for fuelwood gathers.

37. The temporary road shall be constructed as clearly marked in the field and on flagline approved by the Forest Service. Field-design methods shall be used.

38. The overall grade shall not exceed 8 percent. The maximum pitch grade, being less than 1,000 consecutive feet, shall not exceed 12 percent.

39. Cuts and fills shall be minimal, with alignment following land contours as closely as possible. Road may meander so as to achieve self-balancing earthwork sections and to avoid large growths of vegetation, slump and extreme soil creep areas, and other natural obstructions where possible.

40. The road shall be constructed to a 12 foot top width.

41. Sidecast construction of road cuts shall be used to form road embankments so as to achieve self-balancing earthwork sections. Road cuts shall be as nearly vertical as possible.

42. Topsoil shall be removed from the roadway, and stockpiled above the cut slope. In areas of no road construction, topsoil need not be removed.

43. Vegetation shall not be cleared for more than the width necessary to serve traffic needs. Care shall be used to avoid unnecessary damage to vegetation by cutting all trees necessary for clearing prior to dozing or blading.

44. Road maintenance shall be sufficient to insure minimization of the erosion for the life of the road. The temporary road shall not be used if conditions are such that usage may cause severe wheel rutting or degradation of water quality.

45. Immediately upon abandonment the roadway shall be rehabilitated. The natural drainage patterns shall be restored. Fill slopes shall be pulled into the cut and shaped to conform the site to adjacent terrain and meet natural drainage restoration standards. Cut slopes shall be reshaped to blend with the natural contour. Cross-drains, dikes, and waterbars shall be constructed to control erosion. Waterbar spacing will be as listed below:

2 percent slope	157 feet
4 percent slope	142 feet
6 percent slope	134 feet
8 percent slope	127 feet
10 percent slope	118 feet
12 percent slope	108 feet

46. Stipulations for Lands of the National Forest System Under Jurisdiction of the Department of Agriculture.

    The licensee/permittee/lessee must comply with all the rules and regulations of the Secretary of Agriculture set forth at Title 36, Chapter II, of the Code of Federal Regulations governing the use and management of the National Forest System (NFS) when not inconsistent

with the rights and regulations must be complied with for (1) all use and occupancy of the NFS prior to approval of a permit/operation plan by the Secretary of the Interior, (2) uses of all existing improvements, such as Forest Development Roads, within and outside the area licensed, permitted or leased by the Secretary of the Interior, and (3) use and occupancy of the NFS not authorized by a permit/operating plan approved by the Secretary of the Interior.

All matters related to this stipulation are to be addressed

to Forest Supervisor

at Manti-LaSal National Forest
599 West Price River Drive
Price, Utah 84501

Telephone No. 801-637-2817

who is the authorized representative of the Secretary of Agriculture.

Stipulations to be Included in the Road Use Permit

47. Roads must not be used when they are wet and susceptible to damage.

48. The permittee is responsible for repair of any damages to roads which are caused by his operations.

49. All traffic must maintain safe speeds commensurate with existing conditions.

50. Roads must be watered if dust becomes a problem or if excessive loss of road material occurs.

51. Heavy equipment may not be moved on Forest Development Roads on the following dates: July 4 and 21-24, September 1-3, and October 3-8 and 19-22, 1990. If the project continues into 1991, restricted dates will be determined at that time.

PACIFIC POWER • UTAH POWER

324 South State
P.O. Box 26128
Salt Lake City, Utah 84126-0128

PACIFICORP
ELECTRIC OPERATIONS GROUP

RECEIVED
APR 26 1990
DIVISION OF
OIL, GAS & MINING

April 24, 1990

Ms. Pamela Grubaugh-Littig
Permit Supervisor
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: **RESPONSE TO TECHNICAL MEMORANDUM, NOTICE OF INTENT TO EXPLORE, TRAIL MOUNTAIN, UP&LCO, COTTONWOOD/WILBERG MINE, ACT/015/019-900, FOLDER #2, EMERY COUNTY, UTAH**

Dear Ms. Grubaugh-Littig:

In response to your letter dated March 29, 1990, the following is provided to answer your concerns:

1. The proposed amount of coal to be taken during the exploration of the planned six holes amounts to less than 100 lbs. The only coal extracted is that which is associated with coring each hole. A 5-inch O.D. core barrel will be used to penetrate the approximate 10' coal seam whereby producing a 3" O.D. core sample.

ok.

2. The representative(s) to be present on-site during drilling are Arden Taylor, Dale Wilson and Don Shurtz.

need more

R614-201-222

name, address & phone #

3. Enclosed is an updated map reflecting the additional topographic lines.

OK

4. In response to drainage design on sloped areas, the applicant will be drilling its hole on or adjacent to existing roads. Where necessary, water bars and/or culverts may be utilized to control drainage. The determination of water bar or culvert placement will be decided at the site. Where holes 1 thru 5 are located on existing roads, it is planned to utilize existing controls (i.e., berms, water bars, drainages ditches, etc.) and modify where needed as field conditions warrant.

inadequate

5. Applicant's intent was not to cause more disturbance than was necessary. In any event topsoil will be stripped and stockpiled at each site.

6. During the reclamation phase each mud pit is allowed to dry while working other aspects of the drilling project. As the mud pit dries and dissipates, the pit is backfilled with the earthen material originally excavated to aid in the drying process. Past experience has proven to be effective without need for fencing. Should the Forest Service require fencing then this will be incorporated into our plan.

No contingency plan will require fencing

7. The seed mix as proposed is simply in reference to prior drilling such as this. When the Forest Service stipulates its desired seed mixture a copy will be forwarded to your office.

8. In the event any reclaimed slopes are greater than 33%, applicant will mulch and construct water diversion structures.

If you need further information, please call me at 220-4612.

Sincerely,

Scott M. Child
Senior Compliance Land
Status Analyst
Fuel Resources

SMC:bb:6427

cc: Steve Falk - BLM, Price

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 29, 1990

Mr. David R. Smaldone, Director
Permitting, Compliance and Service
Utah Power and Light Company
Mining Division
324 South State Street
P. O. Box 26128
Salt Lake City, Utah 84126-0128

4/26
Susan -
Please review
then write me a
memo - approve or what
info needed.
Thanks.
PAM

Dear Mr. Smaldone:

Re: **Notice of Intent to Explore Less Than 2 and Light Company, Cottonwood/Wil Folder #2, Emery County, Utah**

Attached is a Technical Memorar above-referenced exploration plan f More information for the exploratic submitted.

Please provide the above-requested information no later than April 30, 1990.

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

djh
Attachment
cc: V. Payne, UP&L
B. Malencik, DOGM, PFO
S. White, DOGM
AT45/184

an equal opportunity employer

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 29, 1990

Mr. David R. Smaldone, Director
Permitting, Compliance and Services
Utah Power and Light Company
Mining Division
324 South State Street
P. O. Box 26128
Salt Lake City, Utah 84126-0128

Dear Mr. Smaldone:

Re: **Notice of Intent to Explore Less Than 250 Tons, Trail Mountain, Utah Power and Light Company, Cottonwood/Wilberg Mine, ACT/015/019-90D, Folder #2, Emery County, Utah**

Attached is a Technical Memorandum that reviews the above-referenced exploration plan for the Trail Mountain area. More information for the exploration plan will need to be submitted.

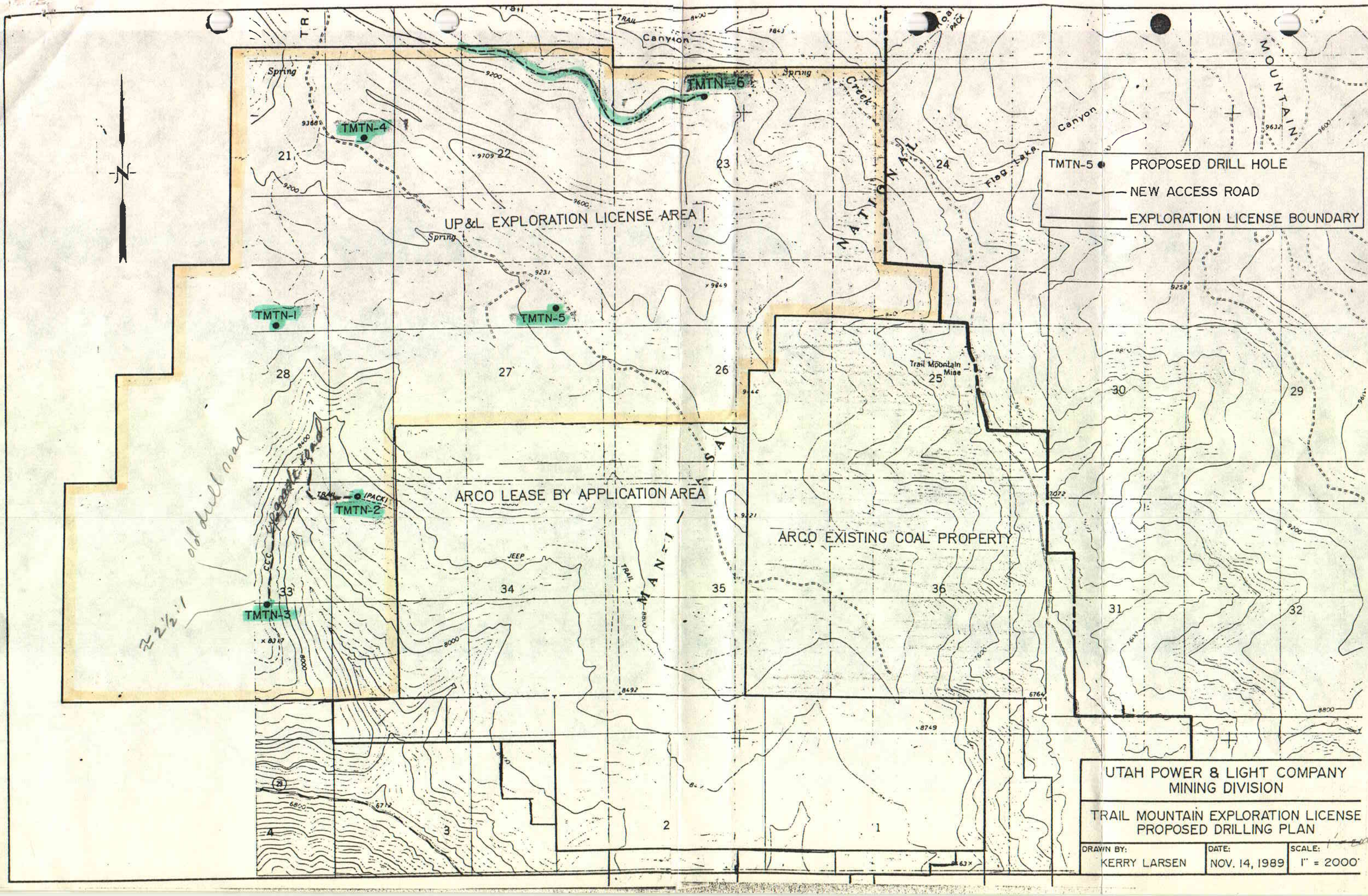
Please provide the above-requested information no later than April 30, 1990.

Sincerely,

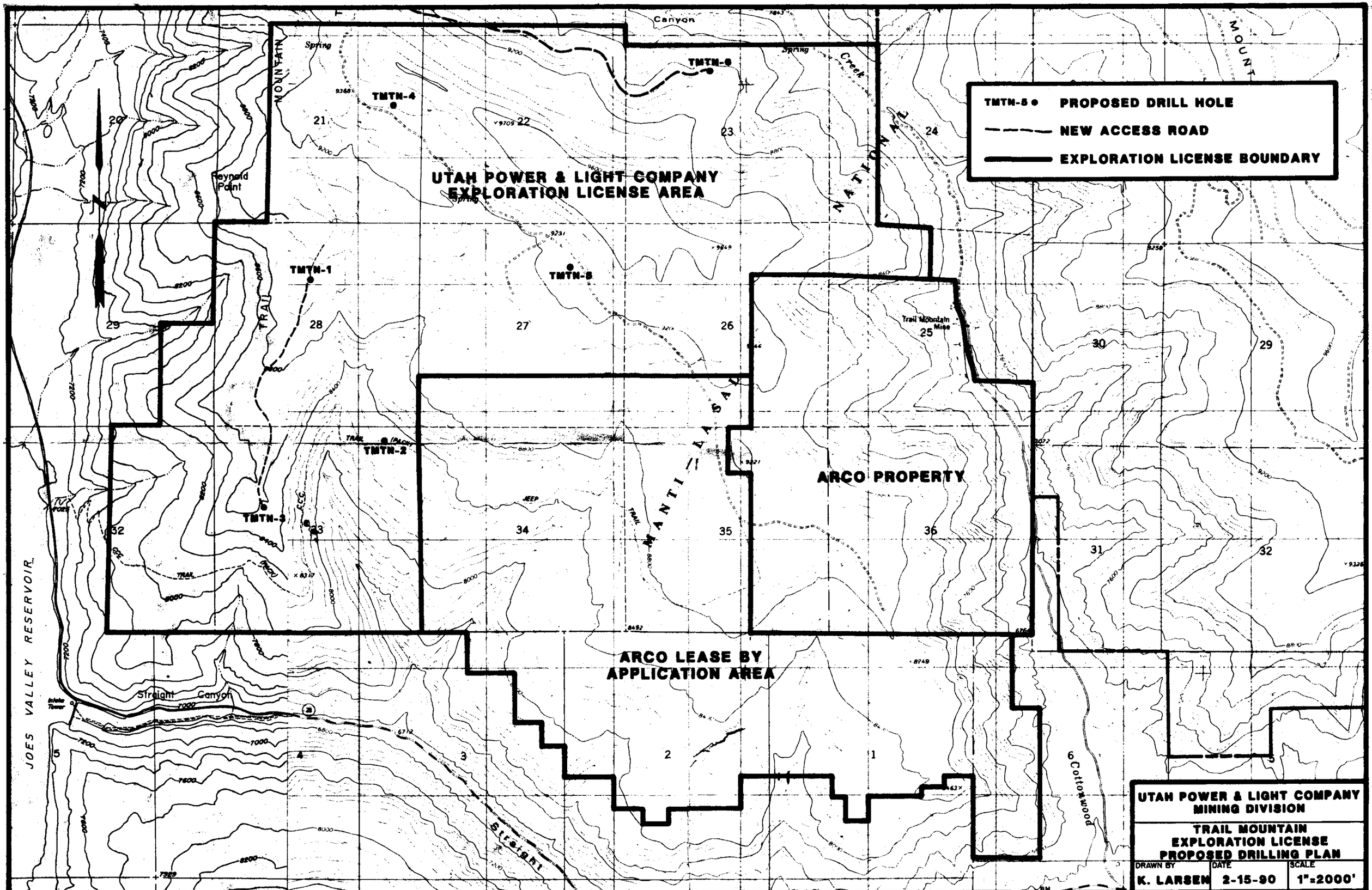
Pamela Grubaugh-Littig
Permit Supervisor

djh
Attachment
cc: V. Payne, UP&L
B. Malencik, DOGM, PFO
S. White, DOGM
AT45/184

an equal opportunity employer



TMTN-5 PROPOSED DRILL HOLE
NEW ACCESS ROAD
EXPLORATION LICENSE BOUNDARY
UP&L EXPLORATION LICENSE AREA
ARCO LEASE BY APPLICATION AREA
ARCO EXISTING COAL PROPERTY
TMTN-1
TMTN-2
TMTN-3
TMTN-4
TMTN-5
TMTN-6
Trail Mountain Mine
Flag Lake
Canyon
Spring
Creek
MOUNTAIN
NATIONAL
MANTI
SAL
JEEP
TRAIL
(PACK)
CCC
old drill road
≈ 2½:1
UTAH POWER & LIGHT COMPANY
MINING DIVISION
TRAIL MOUNTAIN EXPLORATION LICENSE
PROPOSED DRILLING PLAN
DRAWN BY: KERRY LARSEN
DATE: NOV. 14, 1989
SCALE: 1" = 2000'



TMTN-5 ● PROPOSED DRILL HOLE
NEW ACCESS ROAD
EXPLORATION LICENSE BOUNDARY
UTAH POWER & LIGHT COMPANY
EXPLORATION LICENSE AREA
ARCO PROPERTY
ARCO LEASE BY
APPLICATION AREA
TMTN-1
TMTN-2
TMTN-3
TMTN-4
TMTN-5
TMTN-6
Reynold Point
Trail Mountain Mine
Straight Canyon
JOES VALLEY RESERVOIR
MANTI-LA SAL NATIONAL
Cottonwood
Creek
Spring
Canyon
TRAIL
MOUNTAIN
UTAH POWER & LIGHT COMPANY
MINING DIVISION
TRAIL MOUNTAIN
EXPLORATION LICENSE
PROPOSED DRILLING PLAN
DRAWN BY
K. LARSEN
DATE
2-15-90
SCALE
1"=2000'