

0010

Mine file
R. J. Smith *RS*

United States
Department of
Agriculture

Forest
Service

Manti-LaSal
National Forest

599 West Price River Dr.
Price, Utah 84501

RECEIVED
OCT 02 1989

Reply to: 2820

Date: September 28, 1989

Lowell Braxton
State of Utah Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

RE: Amendment for Exploration Pits, Cyprus-Plateau Mining Company, Star Point
Mines, ACT/007/006-89G, Folder #2, Carbon County, Utah

Dear Lowell:

Enclosed are one copy of each of the following documents related to the subject proposal which were prepared by the Manti-LaSal National Forest:

Environmental Assessment (EA)
Decision Notice and Finding of No Significant Impact (DN/FONSI)
Forest Service Special-Use Permit
Bond Determination

Based on the above documents, we consent to the amendment subject to the stipulations attached to the EA as Appendix C and the stipulations included in the Special-Use Permit.

A reclamation bond of \$1000 was required under the Special-Use Permit and has been posted by Cyprus-Plateau Mining Company.

Since a potential problem with double permitting and double bonding was identified in processing this application, we are presently reviewing our policy regarding permitting of exploration operations within approved permit areas.

If you have any questions, please call.

Sincerely,

George A. Morris
for
GEORGE A. MORRIS
Forest Supervisor

Enclosures

DECISION NOTICE
AND
FINDING OF NO SIGNIFICANT IMPACT

CYPRUS PLATEAU MINING CORPORATION

GEOLOGIC EXPLORATION PITS

Cyprus Plateau Mining Corporation has submitted a proposal to dig up to 22 test pits on Gentry Ridge. The proposed project site is located on Federal Coal Lease U-13097 in Sec. 14, T.15S., R.7E. on lands administered by the Price District of the Manti-La Sal National Forest. This analysis is consistent with the Manti-La Sal National Forest Land and Resource Management Plan.

In accordance with the National Environmental Policy Act of 1969, an environmental assessment has been prepared to analyze the no action alternative and the proposed alternative with management stipulations. Copies of the environmental assessment and other pertinent documents are available for review at the Price Ranger District Office in Price, Utah.

Based on the analysis, authorizing actions, and evaluation described in the environmental assessment, it is my decision to select alternative two which would allow the proposed project with Forest Service mitigations.

Through the environmental assessment, it was determined that the approved activity is not a major Federal action that would significantly affect the quality of the human environment. Therefore, an environmental impact statement is not needed. This determination was based on consideration of a number of factors that are discussed in detail in the environmental assessment. The primary considerations are as follows:

1. This activity can be conducted within the guidelines outlined by the Manti-La Sal National Forest Land and Resource Management Plan and EIS.
2. All identified issues and concerns have been evaluated and can be effectively mitigated.
3. No Endangered, Threatened, or Sensitive plant and/or animal species will be impacted.
4. No cultural resources were located during a survey of the area.
5. The project will not cause any significant adverse impacts to flood plains, wetlands, or alluvial valley floors; paleontological resources; and prime or unique rangelands, timberlands or farmlands.

This decision is appealable in accordance with Secretary of Agriculture Appeal Regulations 36 CFR 217 and 251, Subpart C. A written notice of appeal must be filed with George A. Morris, Forest Supervisor, Manti-La Sal National Forest, 599 West Price River Drive, Price, Utah 84501 within 45 days of the date of this decision with a copy simultaneously sent to Ira W. Hatch, District Ranger, Price Ranger District, Manti-La Sal National Forest, 599 West Price River Drive, Price, Utah 84501. The notice of appeal must also include the information described in 36 CFR 217.9 and 251.90(b), as appropriate.

We are willing to meet with you to discuss any concerns or issues related to this decision. Our telephone number is (801) 637 - 2817.

who is "you"??

Approved by:

Ira W Hatch

Ira W. Hatch
Price District Ranger

Date:

Sept 22, 1989

ENVIRONMENTAL ASSESSMENT

CYPRUS PLATEAU MINING CORPORATION

GEOLOGIC EXPLORATION PITS

MANTI-LA SAL NATIONAL FOREST
PRICE RANGER DISTRICT
EMERY COUNTY, UTAH

Responsible Official:

Ira W. Hatch
District Ranger
Price Ranger District
599 West Price River Drive
Price, Utah 84501
(801) 637-2817

For Further Information Contact:

Ira W. Hatch
District Ranger
Price Ranger District
599 West Price River Drive
Price, Utah 84501
(801) 637-2817

I. INTRODUCTION

A. Description of Proposal

On August 30, 1989, Cyprus Plateau Mining Corporation submitted a proposal to dig up to 22 test pits on Gentry Ridge. The proposed project site is located on Federal Coal Lease U-13097 in Sec. 14, T.15S., R.7E. on lands administered by the Manti-La Sal National Forest (Fig. 1). The proposed pits are along previously surveyed geophysical lines, and the intent of the project is to correlate actual ground features with anomalies identified by the surveys. The pits should help to further define geologic structure which affects the mining of coal on the lease. The pits would be excavated with a rubber-tired backhoe and reclaimed immediately after use. If approved, the project would take place the first part of October. A copy of Cyprus Plateau Mining Corporation's proposal is included in this document as Appendix A.

B. Purpose and Need

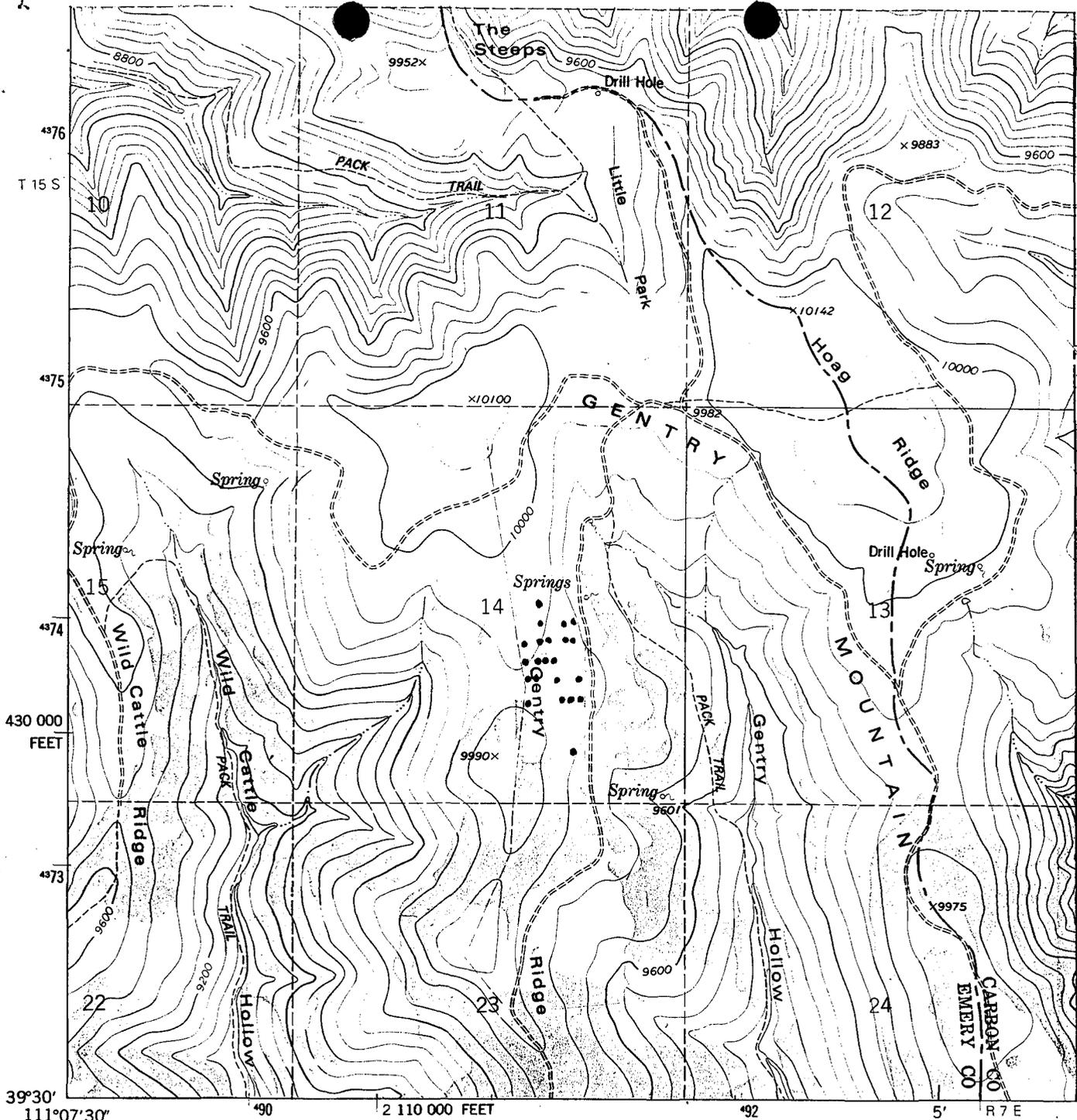
The intent of this analysis is to assess the environmental impacts of the proposed action in accordance with the National Environmental Policy Act of 1969. This EA evaluates two alternatives to the proposal, the no action alternative and the proposed alternative with management constraints. This analysis addresses potential impacts to National Forest System lands and identifies management requirements to mitigate these impacts. Maps and documentation are available for review at the Price Ranger District Office in Price, Utah.

C. Authorizing Actions

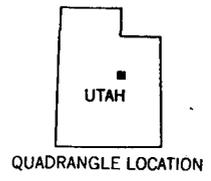
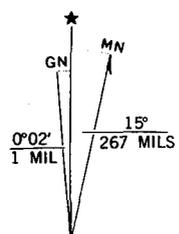
The Manti-La Sal National Forest Land and Resource Management Plan and EIS, 1986, as amended, provides management direction and the authorization to permit special land uses that are necessary for other permitted uses of National Forest System lands. Other authorizing actions include the Multiple Use-Sustained Yield Act of 1960, the National Environmental Policy Act of 1969, the Forest Rangeland Resources Planning Act of 1976, the National Forest Management Act of 1976, and the Federal Land Policy and Management Act of 1976.

D. Public Issues and Management Concerns

Public Issues - The public was notified of Cyprus Plateau's proposal in a news release published in the local paper, the Sun Advocate, on September 12, 1989. The article is included in this document as Appendix B. One public response regarding the issue of public safety around pits left open overnight during the October big game hunting seasons was received.



Southwest part of the
WATTIS QUADRANGLE
 UTAH
 7.5 MINUTE SERIES (TOPOGRAPHIC)



● Proposed pit location

Fig. 1

Management Concerns - The interdisciplinary team conducted a field review and meeting on September 11, 1989, and determined the following to be concerns:

1. ORV traffic might follow paths left by the backhoe.
2. Vegetation will be removed from the pit sites exposing the soil to potential erosion.
3. Effective reseeding of the sites is a concern. The possibility exists of inadequate revegetation due to cattle grazing in the area next summer.
4. Pits left open overnight could be dangerous to cattle or wildlife in the area.

II. ALTERNATIVES

A. Alternative One - No Action

Consideration of the no action alternative is required by Federal Regulations as specified in 43 CFR 1502.14(d). Under this alternative Cyprus Plateau Mining Corporation's proposal to dig the 22 test pits on Gentry Ridge would be denied.

B. Alternative Two - Proposed Project with Management Requirements

The proposed project would be allowed with Forest Service stipulations designed to mitigate environmental impacts. These stipulations are listed in Appendix C.

III. AFFECTED ENVIRONMENT

A. Soils

Soils in the area are mapped dominantly as Map Unit 561 in the Soil Survey of the Manti Division, Manti-La Sal National Forest. These soils are typically dark colored to depths of 16 to 30 inches. The subsoil is typically lighter colored and more stoney. Limestone bedrock is commonly at about two to four feet in depth. The surface soil has a silty clay loam texture, and the subsoil ranges from clay loam to silty clay. The soils are well drained and have moderately slow permeability. There is a moderately high potential for successful revegetation.

B. Vegetation, Range and Wildlife

The area is on the top and east-facing slope of Gentry Ridge. The vegetation is a native sagebrush-grass community type in fair range condition. Snowberry occurs over much of the ridge top in addition to the sage and grass.

The area is on the Gentry Mountain cattle and horse allotment. There are 1440 head of cattle plus calves on the allotment for the grazing season 6/27 to 9/30. There are 23 permittees using the allotment. The areas which are disturbed and reseeded will be grazed either mid season (August) or late season (September) each year.

Deer and elk utilize portions of the area as summer habitat. Elk may also winter in the area.

IV. EFFECTS OF IMPLEMENTATION

A. Alternative One - No Action

Selection of this alternative would deny implementation of the proposal. This alternative would be chosen if alternative two caused unacceptable impacts to the environment.

B. Alternative Two - Proposed Project with Management Requirements

Selection of this alternative is consistent with the Manti-La Sal National Forest Land and Resource Management Plan and EIS and applicable federal and state laws, rules and regulations. Under this alternative the proposal will include management requirements. After mitigation there will be a short-term loss of vegetation on 0.16 acres for approximately 2 to 5 years, but long-term productivity of the area will not be affected. There are no foreseeable cumulative impacts.

1. Soils

Major soil erosion should not be a problem when considering the small area and distribution of soil disturbance.

2. Vegetation and Range

There is a moderately high potential for successful revegetation considering the soils in the area. The seed mix submitted by Cyprus Plateau Mining Corporation is satisfactory for this site.

The seeded areas will require protection from grazing for 2 to 5 years or repeated seed application to allow revegetation to be successful.

V. PERSONNEL AND PUBLIC INVOLVEMENT

A. Forest Service Interdisciplinary Team

Becky Hammond
Leland Matheson

Geologist, Price District
Range Conservationist, Price District

B. Consultants

Ira Hatch
Dan Larsen
Walt Nowak

Price District Ranger
Soil Scientist, Supervisor's Office
Geologist, Price District

VI. SELECTED REFERENCES AND TIERING OPPORTUNITIES

U.S. Department of Agriculture, Forest Service, 1986, Manti-La Sal
National Forest Land and Resource Management Plan and EIS.

U.S. Department of Agriculture, Forest Service, 1985, Environmental
Assessment, Decision Notice and Finding of No Significant Impact
for Gentry Ridge Coal Exploration Drilling Project on Federal Coal
Lease U-13097.

APPENDIX A



An Affiliate of Cyprus Coal Company
P.O. Drawer PM9
Price, Utah 84501
(801) 637-2875

FOREST SERVICE MANAGEMENT NATIONAL FOREST PRICE RANGER DISTRICT
APR - 3 1989
ACTION

12
Walt on
Jed

To: Ira Hatch
From: Greg Hunt
Subject: Modification of Prospecting Permit

Date: March 30, 1989
Chrono: GH890302

Dear Ira:

Since the prospecting permit (No. G4-1003-891) was approved, the need to conduct additional high resolution resistivity lines has developed. The additional lines would be located near the east side of Gentry Ridge and generally run E-W between the road and the fence (see attached map). Lines R-1 through R-5 have already been approved and this modification request covers R-6 through R-14.

Most of the area covered by R-6 through R-14 is predominately open brush and grass and without large stands of trees. CPMC proposes to use a backhoe to excavate faults at various locations along these lines where permissible. That is, when a fault location is determined by resistivity, physical excavation of an approximately 3' x 12' by 5' deep pit would be made with a backhoe instead of by hand. There may be a few locations along the southernmost lines where a backhoe should not be utilized. Please indicate where a backhoe may be used and where hand excavations will be required.

Sincerely,


Greg Hunt

/sd

Attachment

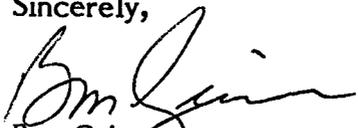
Mr. Ira Hatch
August 30, 1989
Page 2

Archeological investigations of all 14 resistivity lines were made by the Office of Public Archeology from Brigham Young University. No new cultural resources were found during the investigations. A report of findings was sent to Stan McDonald of your office, and to James Dykman of the Utah State Historic Preservation Office. A copy of the report is enclosed with this letter.

Considering the lateness of the season, we are anxious to complete the pits. We would appreciate very much a timely approval of the test pits so we can complete the project and reclaim the sites before snowfall.

If you need anything further, don't hesitate to call.

Sincerely,



Ben Grimes
Sr. Environmental Engineer

/kam

Enclosures

Chrono: BG890806

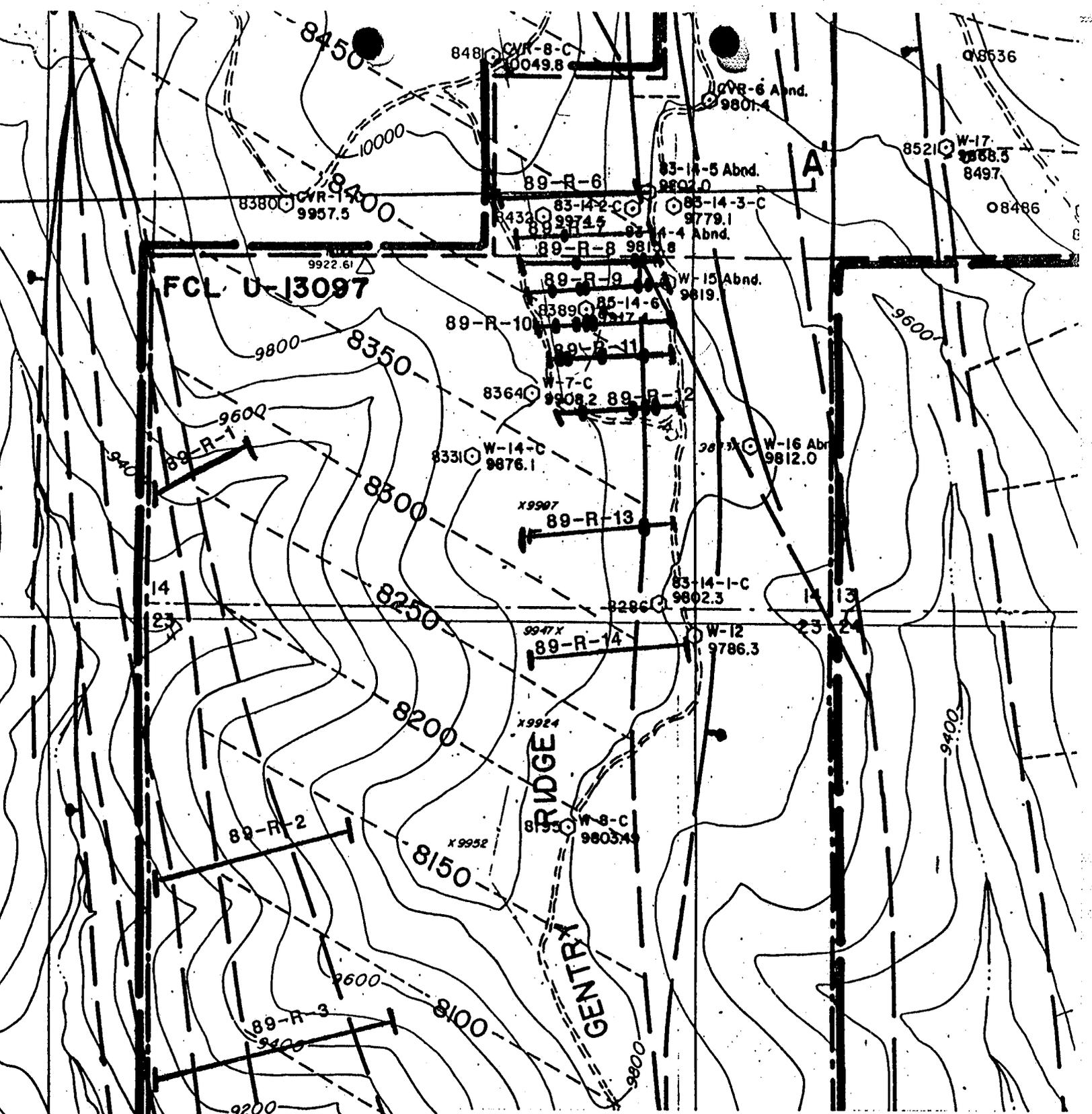
File: ENV 2-5-2-9

TABLE 1

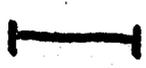
SEED MIX

<u>SPECIES</u>	<u>SEEDING RATE IN PLS LBS/ACRE</u>
<u>GRASSES</u>	
Bluebunch Wheatgrass	2
Slender Wheatgrass	2
Kentucky Bluegrass	1
Intermediate Wheatgrass	1
Timothy	1.5
Orchardgrass	1.5
Meadow Foxtail	1.5
Manchar Smooth Brome	1.5
Chewings Red Fescue	1.5
<u>FORBS</u>	
Western Yarrow	1.5
Utah Sweet Vetch	1.5
<u>SHRUBS</u>	
Mountain Snowberry	2
Woods Rose	<u>2</u>
TOTAL	20.5

Seed mix based on research conducted at the U.S. Forest Service Research Station at Ephriam and Logan, Utah, for high mountain elevations.



LEDGEND

- 
FAULT , BAR AND BALL ON DOWNTROWN SIDE
- 
PROPOSED RESIDTIVITY LINES AND EXCAVATION LOCATIONS
R-1 THROUGH R-5 PREVIOUSLY PERMITTED
R-6 THROUGH R-14 ARE ADDITIONS TO PERMIT AND POTENTIAL BACKHOE LOCATIONS

APPENDIX B

Plateau mine to test for coal reserves

Cyprus Plateau Mining Corporation is proposing to dig up to 22 test pits on Gentry Ridge.

The proposed project site is located on Federal Coal Lease U-13097 in Sec. 14, T15S, R7E on lands administered by the Manti-LaSal National Forest. The pits will be up to 10 feet deep, and the intent of the test pits is to correlate actual ground features with anomalies identified by geophysical surveys. The pits should further define geologic structures affecting the mining of coal on the lease. They will be reclaimed after use.

The Forest Service is in the process of conducting an environmental analysis, to determine if the project should be conducted and under what terms.

Public comments will be accepted until Sept. 19. All comments should be submitted to the Price Ranger District, 599 West Price River Drive, Price, Utah 84501. For additional information, call 637-2817.

APPENDIX C

MANAGEMENT STIPULATIONS

1. There will be no off-road travel except by the backhoe. All support vehicles must stay on the existing roads.
2. To protect livestock, wildlife, and the public a temporary fence must be constructed to enclose a pit if it becomes necessary to leave one open overnight.
3. A pit cannot be stabilized for observation at any deeper than 10 feet without prior Forest Service consent.
4. Topsoil and subsoil must be placed in separate storage piles. Subsoil and any rocks or debris are to be replaced in trench first and the topsoil placed on top.
5. Moderate tamping of replaced material will be done to lessen the impact of slumping.
6. The seeded areas will require protection from grazing (such as fencing) for 3 to 5 years or repeated annual seed application to allow revegetation to be successful.
7. Access to the upper sites (R-11-4, R-11-3, R-10-4, R-9-5, etc.) should be through the fence, which will then be mended after the project is completed to discourage ORV traffic.
8. The operator shall furnish and maintain a reclamation bond in the amount of \$1000 conditioned upon compliance with the terms and conditions of approval of the proposal. Note: Reclamation does not include fire liability or other actions in connection with the operator.
9. All surface disturbing activities including reclamation must be supervised by a responsible representative of the permittee/licensee who is aware of the terms and conditions of the project permits and licenses. A copy of the appropriate permits and licenses must be available for review at the project site.
10. Weekends and the opening dates of hunting seasons can be used only with special premission by the District Ranger.
11. 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.
12. 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.

13. All gasoline, diesel, and steam-powered equipment must be equipped with effective spark arresters and mufflers. Spark arresters must meet Forest Service specifications discussed in the USDA Forest Service Spark Arrester Guide, June, 1981. In addition, all electrical equipment must be properly insulated to prevent sparks.
14. The permittee/licensee will be held responsible for damage and suppression costs for fires started as a result of operations. Fires must be reported to the Forest Service as soon as possible.
15. The Forest Service reserves the right to suspend operations during periods of high fire potential or high recreation use by the public such as hunting seasons.
16. 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.
17. Unauthorized off-road vehicular travel is prohibited.
18. 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.
19. If paleontological resources are discovered during operations, all operations which may result in disturbance to the resource must cease and the Forest Service must be notified of the discovery.
20. The permittee/licensee 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.
21. Disturbed areas must be reclaimed by the end of the field season. Exceptions require Forest Service approval.
22. The operator must clean up and remove all trash, garbage, flagging, vehicles, and other such materials from National System lands.
23. Harassment of wildlife and livestock is prohibited.
24. Roads will not be used when wet or at other times when damage could occur. Any damage caused by the permittee will be repaired to the satisfaction of the Forest Service.

United States Department of Agriculture
Forest Service

SPECIAL USE PERMIT

Act of June 4, 1987

This permit is revocable and nontransferable
(Ref. FSM 2710)

a. Record No. (1-2) 70	b. Region (3-4) 04	c. Forest (5-6) 10
d. District (7-8) 03	e. User No. (9-12) _____	f. Kind of use (13-15) 561
g. State (16-17) 49	h. County (18-20) 015	i. Card No. (21) 1

Permission is hereby granted to Cyprus Plateau Mining Corporation _____
of P.O. Drawer PMC, Price, Utah 84501 _____
hereinafter called the permittee, to use subject to the conditions set out below, the
following described lands or improvements:

East half of Section 14, T.15S., R.7E. on Federal Coal Lease U-13097 on Gentry Ridge
(see attached map)

This permit covers 0.3 acres and/or _____ miles and is issued for
the purpose of:

Geologic Exploration - Cyprus Plateau proposes to dig up to 22 test pits (10-15 feet
long by 9 feet wide by 10 feet deep) along 7 previously surveyed resistivity lines.
The pits will be excavated with a rubber-tired backhoe, and reclamation will take place
immediately after use.

1. Construction or occupancy and use under this permit shall begin within 1
months, and construction, if any, shall be completed within 3 months, from the
date of the permit. This use shall be actually exercised at least N/A days each
year, unless otherwise authorized in writing.

2. In consideration for this use, the permittee shall pay to the Forest Service, U.S.
Department of Agriculture, the sum of N/A* Dollars (\$ _____)
for the period from _____, 19____, to _____, 19____, and thereafter
annually on _____, 19____, _____ N/A Dollars
(\$ _____): Provided, however, Charges for this use may be made or
readjusted whenever necessary to place the charges on a basis commensurate with the value
of use authorized by this permit. *Exploration activities are on lease. Therefore, no fee
will be required.

3. This permit is accepted subject to the conditions set forth herein, and to
conditions 18 to 24 attached hereto and made a part of this permit.

PERMITEE	NAME OF PERMITEE	SIGNATURE OF AUTHORIZED OFFICER	DATE
	Cyprus Plateau Mining Corp.	<i>Bm Quinn</i>	9-27-89
ISSUING OFFICER	NAME AND SIGNATURE	TITLE	DATE
	<i>Ira W Hatch</i>	Forester ADM DFR	9/27/89

4. Development plans; layout plans; construction, reconstruction, or alteration of improvements; or revision of layout or construction plans for this area must be approved in advance and in writing by the forest supervisor. Trees or shrubbery on the permitted area may be removed or destroyed only after the forest officer in charge has approved, and has marked or otherwise designated that which may be removed or destroyed. Timber cut or destroyed will be paid for by the permittee as follows: Merchantable timber at appraised value; young-growth timber below merchantable size at current damage appraisal value; provided that the Forest Service reserves the right to dispose of the merchantable timber to others than the permittee at no stumpage cost to the permittee. Trees, shrubs, and other plants may be planted in such manner and in such places about the premises as may be approved by the forest officer in charge.

5. The permittee shall maintain the improvements and premises to standards of repair, orderliness, neatness, sanitation, and safety acceptable to the forest officer in charge.

6. This permit is subject to all valid claims.

7. The permittee, in exercising the privileges granted by this permit, shall comply with the regulations of the Department of Agriculture and all Federal, State, county, and municipal laws, ordinances, or regulations which are applicable to the area or operations covered by this permit.

8. The permittee shall take all reasonable precautions to prevent and suppress forest fires. No material shall be disposed of by burning in open fires during the closed season established by law or regulation without a written permit from the forest officer in charge or his authorized agent.

9. The permittee shall exercise diligence in protecting from damage the land and property of the United States covered by and used in connection with this permit, and shall pay the United States for any damage resulting from negligence or from the violation of the terms of this permit or of any law or regulation applicable to the National Forests by the permittee, or by any agents or employees of the permittee acting within the scope of their agency or employment.

10. The permittee shall fully repair all damage, other than ordinary wear and tear, to national forest roads and trails caused by the permittee in the exercise of the privilege granted by this permit.

11. No Member of or Delegate to Congress or Resident Commissioner shall be admitted to any share or part of this agreement or to any benefit that may arise herefrom unless it is made with a corporation for its general benefit.

12. Upon abandonment, termination, revocation, or cancellation of this permit, the permittee shall remove within a reasonable time all structures and improvements except those owned by the United States, and shall restore the site, unless otherwise agreed upon in writing or in this permit. If the permittee fails to remove all such structures or improvements within a reasonable period, they shall become the property of the United States, but that will not relieve the permittee of liability for the cost of their removal and restoration of the site.

13. This permit is not transferable. If the permittee through voluntary sale or transfer, or through enforcement of contract, foreclosure, tax sale, or other valid legal proceeding shall cease to be the owner of the physical improvements other than those owned by the United States situated on the land described in this permit and is unable to furnish adequate proof of ability to redeem or otherwise reestablish title to said improvements, this permit shall be subject to cancellation. But if the person to whom title to said improvements shall have been transferred to either manner provided is qualified as a permittee and is willing that his future occupancy of the premises shall be subject to such new conditions and stipulations as existing or prospective circumstances may warrant, his continued occupancy of the premises may be authorized by permit to him if, in the opinion of the issuing officer or his successor, issuance of a permit is desirable and in the public interest.

14. In case of change of address, the permittee shall immediately notify the forest supervisor.

15. The temporary use and occupancy of the premises and improvements herein described may be sublet by the permittee to third parties only with the prior written approval of the forest supervisor but the permittee shall continue to be responsible for compliance with all conditions of this permit by persons to whom such premises may be sublet.

16. This permit may be terminated upon breach of any of the conditions herein or at the discretion of the regional forester or the Chief, Forest Service.

17. In the event of any conflict between any of the preceding printed clauses or any provisions thereof and any of the following clauses or any provisions thereof, the following clauses will control.

18. (B-8) The permittee shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of National Forest System lands under this permit.

19. (D-9) Holder shall be responsible for prevention and control of soil erosion and gullying on lands covered by this permit and adjacent thereto, resulting from construction, operation, maintenance, and termination of the permitted use. Holder shall so construct permitted improvements to avoid the accumulation of excessive heads of water and to avoid encroachment on streams. Holder shall revegetate or otherwise stabilize all ground where the soil has been exposed and shall construct and maintain necessary preventive measures to supplement the vegetation.

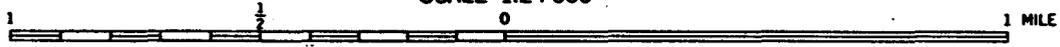
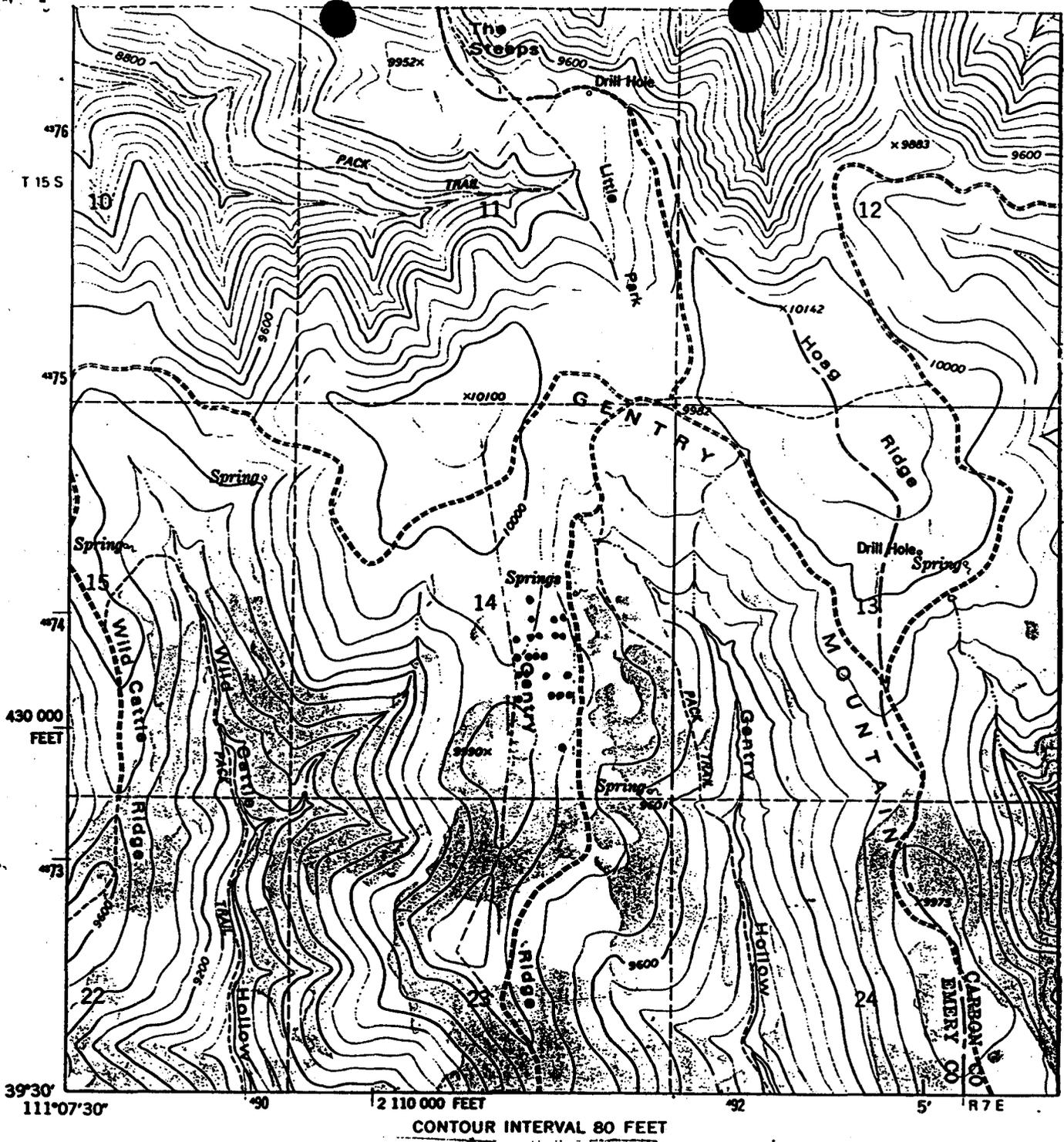
20. (D-11) Seeding or planting will be done at a time of the year, in a manner, and with species which the District Ranger considers offer the best chance of success and will be repeated annually until such areas are accepted in writing by the District Ranger as satisfactorily revegetated and stabilized.

21. (F-11) A muffler or spark arrester satisfactory to the authorized officer shall be maintained on the exhausts of all trucks and tractors or other internal combustion engines used in connection with this permit.

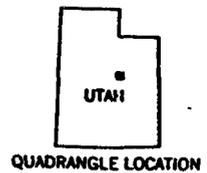
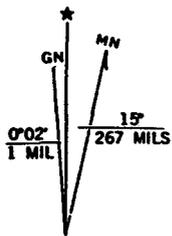
22. (X-49) This permit is not exclusive; that is the Forest Service reserves the right to use or to permit others to use any part of the permitted area for any purpose, provided such use does not interfere with the rights and privileges hereby authorized.

23. (X-95) The permittee agrees to comply with all commitments made in the proposal dated August 30, 1989. The plan of work is part of that proposal.

24. Approval of the permit is contingent upon incorporation of the Forest Service mitigations identified in the environmental analysis into the proposal/plan of operations.



Southwest part of the
WATTIS QUADRANGLE
 UTAH
 7.5 MINUTE SERIES (TOPOGRAPHIC)



• Proposed pit location

CYPRUS PLATEAU MINING CORPORATION

GEOLOGIC EXPLORATION PITS

BOND DETERMINATION

I. RECLAMATION AND MOBILIZATION	\$ 741.96
II. SEED COST	\$ 4.92
III. ADMINISTRATION	\$ 186.72
	Total \$ 933.60
	Rounded for bonding \$1000.00

I. RECLAMATION AND MOBILIZATION

A backhoe such as a Case 780 would be used

Volume of material to be replaced in pits 16 cubic yards

Operator and backhoe time to fill pits

8 minutes/pit x 22 pits = 176 minutes

Travel time between pits = $\frac{35}{60}$ minutes
3.5 hours

22 miles from Huntington (where equipment can be rented) to the work site

Average speed 20 mph

1 hour to work site, 1 hour back to Huntington

1/2 hour loading and unloading time

Total of 6 hours (3.5 + 2 + 1/2 = 6) reclamation and mobilization time

PAY 8 HOUR DAY

Backhoe	\$32.79/hour x 8 hours = \$262.32
Operator	\$31.66/hour x 8 hours = \$253.28
Lowboy (for transport)	\$37.26/hour x 2 hours = \$ 74.52
Laborer*	\$18.98/hour x 8 hours = <u>\$151.84</u>
	\$741.96

*Laborer to help load and unload, assist, rake and prepare seedbed, and broadcast seed

RECLAMATION AND MOBILIZATION \$741.96

II. SEED COST

An approved seed mixture has been submitted by Cyprus Plateau Mining Corporation

0.074 acres/site disturbed x 22 sites = 0.16 acres
20.5 lbs PLS/acre x 0.16 acres x \$1.50/lb = \$4.92

Laborer will prepare the seedbed and broadcast seed

SEED COST \$ 4.92

III. ADMINISTRATION

20% administration and overhead

ADMINISTRATION \$186.72

Equipment rental and labor costs were derived from the Cost Estimating Guide for Road Construction, Intermountain Region, United States Forest Service, Department of Agriculture

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