



0032

United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Moab District  
P. O. Box 970  
Moab, Utah 84532

*ACT 10/15/018 #2*  
*Copy of Exploration*  
*Jolder*

3482  
SL-050862  
U-024319  
(U-065)

IN REPLY REFER TO:

JUL 16 1992

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

Dear Ms. Grubaugh-Littig:

We have reviewed the revisions for the 1992 East Mountain exploration drilling application on Federal coal leases SL-050862 and U-024319 submitted by PacifiCorp Electric Operations. Drill holes EM-149, EM-150, EM-151, EM-153, and EM-154 are within the Deer Creek Mine permit area. We recommend approval subject to the following condition:

1. All drill holes will be properly sealed in accordance with the enclosed Bureau of Land Management drilling stipulations.

Tom Rasmussen of my staff will be the point of contact for any questions and notifications at (801) 637-4584.

Sincerely,

*[Signature]*  
District Manager

Enclosure  
BLM Drilling Stipulations (3pp)

cc: BLM State Director, Utah (U-921) (wo/Encl.)  
BLM Price Coal Office (U-065c) (wo/Encl.)  
Manti-LaSal National Forest (wo/Encl.)  
599 West Price River Drive  
Price, Utah 84501

RECEIVED

JUL 20 1992

DIVISION OF  
OIL GAS & MINING

*Called Tom Rasmussen 7/20 re: condition. He said PacifiCorp is fully aware of this. No need to issue approval. off 7/20*

BUREAU OF LAND MANAGEMENT  
COAL EXPLORATION STIPULATIONS

1. The Chief of the Price Coal Office shall be notified 48 hours prior to the start and completion of the program.
2. The lessee\licensee is responsible to see that all personnel contracted or otherwise doing work on the exploration program are aware of these approval requirements and abide by all regulations governing this program. Any changes to the approved exploration plan must receive approval from the Chief of the Price Coal Office prior to implementation.
3. When artesian flows or horizons with possible development potential are encountered, the Chief of the Price Coal Office shall be notified immediately so that a determination may be made concerning their development potential. When possible, water samples shall be collected by the operator for analysis by the BLM. A written report is required upon completion of exploration as noted by Stipulation 9 H.
4. The Chief of the Price Coal Office shall be notified 24 hours prior to setting surface and\or intermediate casing, so the BLM may arrange to be present. Each string shall be cemented to the surface.
5. Upon completion of down-hole procedures, all drill holes shall be properly sealed by emplacing cement through tubing in stage lifts from the bottom of the hole to ground level. Any variance from this procedure must be approved in advance by the Chief of the Price Coal Office.
6. If adverse down-hole conditions prevent a completed drill hole from being properly plugged after attempting all standard industry plugging procedures, the Chief of the Price Coal Office will be contacted immediately to make a determination as to a final plugging method.
7. The hole location is to be marked by placing an approved marker made of galvanized steel, brass, aluminum or similar noncorrosive metal in the concrete plug. Such markers are to show hole number, year drilled, lessee/licensee name, and as feasible, the section, township, and range in which the hole is located. Top of concrete plug, if located in cultivated field must be set below normal plow depth (10 to 12 inches). In noncultivated areas, all marker caps should not protrude above the ground level. All drill holes shall be surveyed in to assure proper location. An exact survey of each drill hole location will be submitted to the Chief of the Price Coal Office.

8. The Chief of the Price Coal Office shall be notified 24 hours in advance as to the time when each hole is to be plugged so that a representative of the BLM may arrange to observe the plugging procedure.

9. Upon completion of exploration activities, two copies of each report as required by 43 CFR 3485.1, shall be submitted to the Chief of the Price Coal Office. The reports at a minimum must contain the following:

A. Location(s) and serial number(s) of lands under Federal lease or license on which exploration was completed.

B. A description of the completed exploration operations that includes the number of holes drilled, total depth of each hole, and completion date of each hole.

C. A map showing the locations of all holes drilled, other excavations, and the coal outcrop lines as appropriate. The scale of the map shall not be less than 1 inch equals 1 mile.

D. Analysis of coal samples and other pertinent tests obtained from exploration operations.

E. Copies of all in-hole mechanical or geophysical stratigraphic surveys or logs, such as electric logs, gamma ray-neutron logs, sonic logs, or any other logs. The records shall include a lithologic log of all strata penetrated and conditions encountered such as water, gas, or any unusual conditions.

F. Status of reclamation of the disturbed areas.

G. Any other information requested by the Assistant District Manager for Mineral Resources.

H. Hydrologic reports using the attached form.

REPORT OF WATER OBSERVED

Company: \_\_\_\_\_ Lease/License Number: \_\_\_\_\_  
Address: \_\_\_\_\_ Drill Hole Number: \_\_\_\_\_  
\_\_\_\_\_ Date Completed: \_\_\_\_\_  
\_\_\_\_\_ Total Depth: \_\_\_\_\_

Company Contact: \_\_\_\_\_  
Phone Number: \_\_\_\_\_

Drilling Contractor: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Company Contact: \_\_\_\_\_  
Phone Number: \_\_\_\_\_

Location of Hole: T. \_\_\_ S., R. \_\_\_ E., Section \_\_\_: \_\_\_ 1/4 \_\_\_ 1/4 \_\_\_ 1/4  
Hole Elevation: \_\_\_\_\_ Hole Diameter: \_\_\_\_\_  
Drilling Method: \_\_\_\_\_  
Static Water Level: \_\_\_\_\_

Aquifer No. 1  
Depth Below Ground Elevation: \_\_\_\_\_ Formation: \_\_\_\_\_  
Rock Type: \_\_\_\_\_ Yield(GPM): \_\_\_\_\_  
Date Reported to BLM\*: \_\_\_\_\_ Requirements of BLM\*: \_\_\_\_\_  
\_\_\_\_\_ Water Sample Provided to BLM? \_\_\_\_\_

Aquifer No. 2  
Depth Below Ground Elevation: \_\_\_\_\_ Formation: \_\_\_\_\_  
Rock Type: \_\_\_\_\_ Yield(GPM): \_\_\_\_\_  
Date Reported to BLM\*: \_\_\_\_\_ Requirements of BLM\*: \_\_\_\_\_  
\_\_\_\_\_ Water Sample Provided to BLM? \_\_\_\_\_

Aquifer No. 3  
Depth Below Ground Elevation: \_\_\_\_\_ Formation: \_\_\_\_\_  
Rock Type: \_\_\_\_\_ Yield(GPM): \_\_\_\_\_  
Date Reported to BLM\*: \_\_\_\_\_ Requirements of BLM\*: \_\_\_\_\_  
\_\_\_\_\_ Water Sample Provided to BLM? \_\_\_\_\_

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\*Refer to stipulation Number 3