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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor

Dee C. Hansen  
Executive Director

Dianne R. Nielson, Ph.D.  
Division Director

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

August 6, 1991

Mr. Blake Webster  
PacifiCorp Electric Operations  
Fuel Resources  
One Utah Center  
210 South Main Street, Suite 2100  
Salt Lake City, Utah 84140-0021

Dear Mr. Webster:

Re: Approval of 1991 East Mountain Drilling Program EM-140A, PacifiCorp Electric Operations, CEP/015/019-91B, Folder #3, Emery County, Utah

The above-noted exploration is approved subject to the following conditions:

1. Drilling operations will be conducted in accordance with the enclosed stipulations; and
2. Should the drilling or reclamation work extend into the period between December 1 and April 15, no surface-disturbing activity may take place which would remove forage and browse plants used by the mule deer or elk, require a continued human presence within the area (12 hours), or involve sudden loud noise or sustained noise (such as chain saws).

In addition to notification of commencement and completion of the drilling to the BLM, please notify the Division also.

Sincerely,

A handwritten signature in cursive script that reads "Pamela Grubaugh-Littig".  
Pamela Grubaugh-Littig  
Permit Supervisor

jbe  
Enclosure  
AT015019.01

cc: Gene Nodine; Susan White  
an equal opportunity employer

COAL EXPLORATION STIPULATIONS  
PACIFICORP 1991 EAST MOUNTAIN DRILLING

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 8 H.
4. Upon completion of down-hole procedures, all drill holes shall be properly sealed by emplacing cement through tubing from the bottom of the hole to the collar. Any variance from the procedures itemized below must be approved in advance by the Chief of the Price Coal Office.
5. 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.
6. 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.
7. 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.

8. Upon completion of exploration activities, two reports as required by 43 CFR 3485.1 shall be submitted to the Chief of the Price Coal Office, Moab District. 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 District Manager.

H. Hydrologic reports using the attached form.