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PACIFICORP
ELECTRIC OPERATIONS

ONE UTAH CENTER

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File ACT/015/019 #2 and Exploration Folder

September 17, 1991

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: 1991 EAST MOUNTAIN EXPLORATION DRILLING APPLICATION, FOR REMOVAL OF LESS THAN 250 TONS OF COAL, PACIFICORP ELECTRIC OPERATIONS, EMERY COUNTY, UTAH

EM-66

Dear Ms. Littig:

Enclosed please find PacifiCorp's proposal to drill a surface exploration drill hole on East Mountain, within the Cottonwood Mine Permit area as follows:

DRILL HOLE #	LOCATION	DEPTH	SURFACE OWNER	OBJECTIVE
EM-66	560' S 150' W of NE Corner Sec. 19 T17S, R7E	1800'	PacifiCorp	Evaluate coal quality and nature of rock associated with Hiawatha Seam.

Drill hole EM-66 was originally proposed and approved as part of Utah Power and Light Company's 1984 East Mountain Exploration Plan. However, the hole was not drilled at that time. PacifiCorp proposes to complete EM-66 as originally approved.

The following information is submitted for your review:

TEXT- 1991 East Mountain Drilling Plan EM-66,

DRAWING- East Mountain Property
1991 Surface Drilling
EM-66
(Drawing is 8 1/2" x 11" portion of CE-10424-EM, Surface Exploration Drill Holes, Packet 2-1 Cottonwood/Wilberg Mine Permit Application Package.)

ATTACHMENTS-

1. DOGM memo regarding Revegetation Seed Mix for East Mountain Coal Exploration.
   One page.

2. BLM Coal Exploration Stipulations PacifiCorp 1991 East Mountain Drilling.
   Three pages.

3. USFS Extension of 1990 East Mountain Road Use Permit for 1991 drilling.
   Eight pages.

4. AERC Archeological Clearance for 1984 East Mountain Exploration Plan.
   Six pages.

5. BLM Approval Letter for 1984 East Mountain Exploration Plan.
   Two pages.

6. USFS Decision Notice and Finding of No Significant Impact and Environmental Assessment for 1984 East Mountain Exploration Plan.
   Ten pages.

7. UP&L 1984 East Mountain Exploration Plan.
   Twenty-nine pages.

8. PacifiCorp Reclamation Cost Estimate for EM-66.
   One page.

As discussed in the submitted material, PacifiCorp holds the surface rights to the property upon which Drill Hole EM-66 is located. Access is via the existing East Mountain road system and approximately 0.8 mile of existing access road. The drill pad will be located immediately adjacent to the access road; therefore, surface disturbance will be minimized.

PACIFICORP

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1991 EAST MOUNTAIN DRILLING PLAN

EM-66

It is planned to conduct surface drilling above the Deer Creek and Cottonwood Mines located near Huntington, Utah. Less than 250 tons of coal will be removed.

Proposed is one (1) drill hole, EM-66, as shown on the enclosed map. The hole will be located adjacent to an existing road approximately 560 feet south and 150 feet west of the Northeast corner of Section 19, Township 17 South, Range 7 East. It will be drilled to a depth of 1,800 feet.

After drilling is completed the hole will be geophysically logged to the full depth and the hole will be plugged in accordance with BLM requirements.

In accordance with federal regulations 30 CFR 211 and the Utah Permanent Coal Mining Regulations, the following is submitted:

Name and address of responsible person:

Mr. Dale Wilson
PacifiCorp Electric Operations
Huntington Field Office
PO Box 1005
Huntington, Utah 84528
(801) 653-2312

Surface Ownership other than United States:

PacifiCorp

Subsurface Ownership other than United States:

None

harrowing the disturbed areas after seeding. However, on level areas, if topsoil was not removed during pad construction, the site will be ripped prior to seeding to break up compaction resulting from drilling activities. No fertilizer is planned unless stipulated by the surface owner.

Type and Mixture of Seeds (see Attachment 1):

COMMON NAME	SCIENTIFIC NAME	LBS/ACRE PLS	PLS/ft^2
Thickspike Wheatgrass	Agropyron dasytachyum	8	28
Mountain Brome	Bromus marginatus	8	23
Yellow Sweetclover	Melilotus officinalis	4	24
Louisiana Sagewort	Artemisia ludoviciana	.2	20

Method of Planting:

All 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 20.2 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.

Included in this submittal are 8 1/2" x 11" portions of the East Mountain Drill Hole map showing existing roads, major drainages, surface ownership and the proposed drilling site.

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.

ATTACHMENT 2

6. 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 geophysisical 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.