



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Moab District
P. O. Box 970
Moab, Utah 84532

IN REPLY REFER TO:

3482
U-63214
SL-062583
(UT-065c)

Mr. Daron R. Haddock
Permit Supervisor
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

RECEIVED

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DIVISION OF
OIL, GAS & MINING

Dear Mr. Haddock:

This letter is in response to your request (9/21/93) for the Bureau of Land Management (BLM) to provide comments or concurrence on the exploration project, Coastal States Energy Company, Convulsion Canyon Mine. This exploration plan involves drilling 14 coal exploration holes within the mine permit area over a 3-year period. No plans were included to complete any of these drill holes for water monitoring.

We have reviewed the exploration plan and find that it adequately protects the Federal coal resource and, therefore, we have no objection to the Division of Oil, Gas and Mining approving this exploration application. We recommend the following condition:

1. All the enclosed BLM drilling stipulations will be followed.

If you have any questions regarding this matter, contact Tom Rasmussen at the Price Coal Office (637-4584).

Sincerely,

Stephen W. Falk (Acting)

for Associate District Manager

Enclosure
BLM Drilling Stipulations (3pp)

cc: DM, Moab (UT-065) (wo/encl.)
SD, Utah (UT-921) (wo/encl.)

BUREAU OF LAND MANAGEMENT
COAL EXPLORATION DRILLING STIPULATIONS
SUFCO 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 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. The cement slurry mixture used to plug and seal the drill holes shall be mixed in compliance with standard cement mixing tables (e.g. Haliburton). 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