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**COASTAL STATES
ENERGY COMPANY
AND
GETTY MINERAL
RESOURCES COMPANY**

**PROPOSED DRILLING PROGRAM
SKYLINE PROPERTY**



Loren A. Williams
Vice President
Resource Acquisition



**Coastal States
Energy Company**

Nine Greenway Plaza
Houston, Texas 77046
(713)877-6408

Subsidiary of
The Coastal
Corporation

March 25, 1981

RECEIVED

MAR 31 1981

Mr. Cleon B. Feight
State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, UT 84116

DIVISION OF
OIL, GAS & MINING

Dear Mr. Feight:

Re: Federal Coal Leases U-0142235, U-073120, U-0147570 (Skyline)

Submitted with this letter are two copies of a proposed drilling program to be completed this year on Federal Coal Leases U-0142235, U-073120 and U-0147570. We request your approval of this program.

The drilling program will be completed under the supervision of Coastal personnel based in our Salt Lake City office and me. Because of the varied approval responsibility for the program, the attached table outlines agency responsibility as we understand it.

Should you have any questions about the program, please contact me at (713) 877-6408.

Sincerely,

Loren A. Williams

LAW:djh

Enclosures

XC: Mr. Jackson W. Moffitt

AGENCY RESPONSIBILITY

<u>Test Hole No.</u>	<u>Location</u>	<u>Lease No.</u>	<u>Lead Permitting Agencies and Comments</u>
UM-78-11-1	Ⓔ NW1/4, SW1/4, SW1/4 Sec. 11, T.13S., R.6E.	U-0142235	USFS, USGS - Hole previously approved January 8, 1980*.
UM-78-14-1	Ⓒ NW1/4, NW1/4, NE1/4, Sec. 14, T.13S., R.6E.	U-073120	USFS, USGS - Hole previously approved. Requesting re-evaluation of access road assessment made on approval dated January 8, 1980.
UM-78-15-2	Ⓔ SW1/4, NW1/4, SE1/4, Sec. 15, T.13S., R.6E.	U-0147570	USFS, USGS - Hole previously approved January 8, 1980.
UM-81-14-1	Ⓒ NW1/4, SW1/4, SW1/4, Sec. 14, T.13S., R.6E.	U-0142235	USFS, OSM - Drill hole proposed with five-year mine permit area.
UM-81-14-2	Ⓒ NE1/4, SE1/4, NW1/4, Sec. 14, T.13S., R.6E.	U-0142235	USFS, OSM - Drill hole proposed with five-year mine permit area.
UM-81-22-1	Ⓔ SE1/4, SW1/4, SW1/4 Sec. 22, T.13S., R.6E.	U-0147570	USFS, DOGM - Drill hole proposed outside of five-year mine permit area.
UM-81-13-1	Ⓒ NW1/4, NW1/4, SW1/4, Sec. 13, T.13S., R.6E.	U-073120	USFS, OSM - Drill hole proposed within five-year mine permit area.

*Approval for proposed drilling issued by U.S.G.S. letter dated January 8, 1980 to L. A. Williams from Jackson W. Moffitt.

NOTICE OF INTENT TO EXPLORE

Proposed Drilling Program

for

Federal Coal Leases

U-142235, U-073120, U-147570

Skyine Property

Coastal States Energy Company
and
Getty Mineral Resources Company

March, 1981

APPLICATION FOR APPROVAL
OF EXPLORATION PLAN

This application for approval of Exploration Plan is submitted pursuant to the Utah Division of Oil, Gas and Mining's coal mining and reclamation permanent program, specifically Section UMC-776 and 30 CFR 211.10, and 30 CFR 776. The purpose of the program is to obtain additional geologic, geophysical, hydrologic and coal quality data. This data will be used for additional mine planning and to comply with stipulations pertaining to hydrology made by the respective agencies when the mining permit was granted. It is also requested that this application be processed as expeditiously as possible, in order that the proposed program can be completed during the current field season (July 1 through September 31, 1981).

Introduction

This application covers the proposed site preparation, drilling and reclamation of drill sites located on Federal Coal Lease Nos. U-0147570, U-0142235, and U-073120. As operator under the Coastal/Getty Mineral Resources Company Joint Venture Agreement, Coastal States Energy Company, Nine Greenway Plaza, Houston, Texas 77046, will conduct the herein described exploration activities. All proposed drill sites are within the Manti-LaSal National Forest with four sites in Carbon County, Utah and three sites in Emery County, Utah.

All phases of this drilling program shall be conducted in such a manner so as to protect the vegetative cover, drainages and water quality, both surface and subsurface.

Drill Site Locations

Plate 1 of this application is a map showing the location of each drill site. These drill sites have been strategically positioned in areas where data control points are needed to comply with the federal government request for hydrology studies and to achieve close control on the structure and character of coal reserves. On the following page, Table 1 shows the test hole number, location, estimated total depth, lease number, and primary purpose of each drill hole.

Type of Equipment To Be Used

The drilling equipment to be used will be a Gardner Denver 1500 or Gardner Denver 2000 or equivalent sized truck-mounted drilling rig, a water truck, a pipe truck, dog house truck and possibly a truck- or trailer-mounted auxiliary air compressor. Electric logging of the drill holes is done from a van-type truck. Additional vehicles will be necessary for transport of drilling and supervisory crews.

Drilling will be done with air whenever possible. Water and/or foam may be injected to assure proper return of cuttings. The use of loss circulation material, i.e., bentonite, cellulose fibers, cottonseed hulls, drispac, etc., may be used in the event of loss of circulation. No drilling additives will be used that will harm the environment.

Table 1
 1981 Exploration Program
 SKYLINE MINES LEASES

<u>Test Hole No.</u>	<u>Location</u>	<u>Estimated Total Depth</u>	<u>Lease No.</u>	<u>Purpose</u>
UM-78-11-1	NW1/4,SW1/4, Sec.11,T.13S., R.6E.	1,850 feet	U-0142235	Analytical, fault and hydrologic data
UM-78-14-1	NW1/4,NW1/4, NE1/4,Sec.14, T.13S., R.6E.	1,150 feet	U-073120	Analytical, fault and hydrologic data
UM-78-15-2	SW1/4,NW1/4, SE1/4,Sec.15, T.13S., R.6E.	1,750 feet	U-0147570	Geological, analy- tical and hydro- logic data
UM-81-14-1	NW1/4,SW1/4, SW1/4, Sec.14, T.13S.,R.6E.	1,850 feet	U-0142235	Fault, analytical and hydrologic data
UM-81-14-2	NE1/4,SE1/4, NW1/4,Sec.14, T.13S., R.6E.	1,700 feet	U-0142235	Fault, analytical and hydrologic data
UM-81-22-1	SE1/4,SW1/4, SW1/4,Sec.22, T.13S., R.6E.	1,200 feet	U-0147570	Geological, analy- tical and hydro- logic data
UM-81-13-1	NW1/4,NW1/4, SW1/4,Sec.13, T.13S.,R.6E.	1,055 feet	U-073120	Geological, analy- tical and hydro- logic data

Water for drilling purposes can be obtained with little or no disturbance from stream flows in Eccles, Boardinghouse and Hunting Canyons.

Drilling Operations

The operations described are necessary for a proper and effective drilling program. The operations have been designed with full consideration for the surface lands and will be carried out in such a manner as to assure minimal permanent surface disturbance.

A maximum of seven (7) drill holes are proposed from seven drill sites. At certain drill sites after one hole has been drilled and logged by wireline methods, a second hole (or "twin" hole) may be drilled for the purpose of recovering cores on certain coal-bearing rock layers and/or hydrologic monitoring.

The disturbed area for any drill site shall not exceed 6,400 square feet, exclusive of access roads where necessary. Top soil from drill sites will be stockpiled and leveled back over the drill site upon abandonment of the site. Drill sites from which shallow drilling is anticipated or those located adjacent to existing roads will disturb even less surface area. A pit approximately 20 feet by 30 feet will be excavated at each drill site to trap all fluids that may be encountered in drilling or used in the operation. The pit depth will vary somewhat relative to the depth and duration of drilling anticipated.

An attempt has been made to locate drill holes near existing roads where possible. At these locations where rock work is necessary, operations are designed so as to minimize excavation and disturbance of vegetation. Where a side hill may be required, it will be done so that the original slope can be restored as nearly as possible and reseeded.

Reclamation

If, after drilling, a particular hole is not selected for hydrological monitoring, an attempt will be made to remove drill casing from the hole upon completion. The original fill material will then be placed back into the mud pit and the topsoil will be replaced to an even contour with the original slope. The drill hole will be identified with a stamped metal tag, to be placed in the cement surface plug showing hole number, collar elevation and total depth of the hole. Those drill holes selected for the monitoring will be similarly reclaimed upon completion of the monitoring program.

All associated access roads constructed to the drill sites will be reclaimed in the same manner as the drill sites.

A mixture of grass and brush seed native to the area has been selected. The drill sites and associated access roads to the drill sites will be seeded during the fall with 13 lbs./acre of the following seed mixture:

- | | |
|-------------------------|-----------------------------|
| 1) Manchar Smooth Brome | 4) Intermediate Wheat Grass |
| 2) Ranger Alfalfa | 5) Timothy Grass |
| 3) Kentucky Blue Grass | |

Protection of the Environment

The preservation of the environment will be taken into account through all phases of this drilling program. All drill sites are planned to minimize disturbance to the terrain.

Archeological surveys will be conducted on each proposed drill site and access roads prior to any on-site disturbance.

Pits will be used to contain all water and mud used in drilling. These drilling fluids will not be allowed to run into the steam drainages.

All groundwater aquifers will be protected by cementing the drill hole in compliance with the "Rocky Mountain Area Well Abandonment Requirements."

Throughout all phases of this drilling program, the personnel of the district ranger's office of the U. S. Forest Service will be informed of drilling and reclamation progress.

It is the policy of this company to reclaim all drill sites and associated roads to the same or, in some cases, better condition than they were prior to drilling.

Coastal States Energy Company will comply with the regulations set forth in the Utah Division of Oil, Gas and Mining's coal mining and reclamation permanent program, specifically Section UMC-815, 30 CFR 211.10 and 30 CFR 776 and additional stipulation, if any.

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All phases of this drilling program shall be conducted in such a manner so as to protect the vegetative cover, drainages and water quality, both surface and subsurface.

Who will be the responsible representative present during the exploration activities? (Mr. Holland?) *yes*

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Water rights? pond? secured Holland per comm 4-13-81

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plugging?
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Archeological surveys will be conducted *By who?* on each proposed drill site and access roads prior to any on-site disturbance. *Richard AERC Hem*

Hauock 5280313

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where do these come from?

USGS.

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