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FEDERAL COAL EXPLORATION LICENSE APPLICATION

SKYLINE NORTH AREA

CARBON COUNTY, UTAH

Submitted to

Bureau of Land Management

Utah State Office

136 East South Temple

Salt Lake City, Utah 84111

Getty Mining Company

5250 South 300 West

Salt Lake City, Utah 84107

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SKYLINE NORTH

Name, Address and Phone Number of Applicant

Getty Mining Company
5250 South 300 West
Salt Lake City Utah 84107

(801) 263-3850 - Mark L. Adkins/James W. Osborn

Name and Address of Owners of Record
and Land Surface and Subsurface Mineral Estate

Surface Ownership

U. S. Government - under management of:

U. S. Department of Agriculture
Forest Service
Manti-LaSal National Forest
599 West 100 South
Price, UT 84501

Subsurface Ownership

U. S. Government - under management of:

U. S. Department of the Interior
Bureau of Land Management
Utah State Office
University Club Building
136 East South Temple
Salt Lake City, Utah 84111

Estimated Timetable for Exploration Program

1. File Application with Bureau of Land Management - November, 1982

2. Field Inspection of Proposed Drilling Sites - November, 1982

3. Publication of Notice of Invitation to Participate - November, 1982 (Proposed notice enclosed for review.)

4. Access road and drilling site preparation: drilling, coring, field mapping, etc. - July through October, 1983.

5. Access road and drill site reclamation - by November, 1983.

APPLICATION

Getty Mining Company hereby applies for a Federal Coal Exploration License to conduct the exploration drilling geophysical program as described herein. The purpose of the program is to fully evaluate the coal resource contained within the lands described herein. All parties wishing to participate in the proposed program on a pro-rata cost sharing basis will be invited to contact Mark L. Adkins and/or James W. Osborn, Getty Mining Company, 5250 South 300 West, Salt Lake City, Utah 84107, within thirty (30) days of publication of the Notice of Invitation (see Appendix) in the Federal Register.

PROPOSED EXPLORATION AREA - SKYLINE NORTH PROSPECT

The prospect area lies in the extreme northwestern portion of Carbon County (see Figure 1), about three (3) miles due west of the town of Scofield. The area is bounded on the north by Winter Quarters Canyon and on the west by the Upper Huntington drainage. The area lies entirely within the bounds of the Manti-LaSal National Forest.

A survey of the cultural resources of the areas to be disturbed will be completed prior to initiation of field activities.

LEGAL DESCRIPTION OF THE SKYLINE NORTH PROSPECT

The Skyline North Prospect encompasses 4,707.23 acres, more or less, of federal land as described in Table 1. The surface is managed by the U.S. Department of Agriculture, Forest Service, and the minerals are managed by the U.S. Department of the Interior, Bureau of Land Management.

DESCRIPTION OF THE EXISTING ENVIRONMENT

TOPOGRAPHY

The Skyline North Prospect lies in the Wasatch Plateau physiographic province. The area can be characterized as a plateau which is dissected by several small canyons which drain into the Pleasant Valley to the east, and Upper Huntington Canyon to the west. Elevations range from about 8200 feet in Winter Quarters Canyon up to over 9200 feet on Winter Quarters Ridge.

GEOLOGY

All or portions of the prospect area have been mapped by Spieker (1931) and Doelling (1972) and others.

The Skyline North Prospect is underlain by a thick sequence of sedimentary rocks of Cretaceous and Tertiary age. Four formations (Figure 2) crop out in the area. They are, in ascending order: the coal-bearing Blackhawk Formation, the Castlegate Sandstone, the Price River Formation and the North Horn (Wasatch) Formation.

In the prospect area, potentially economically mineable coal occurs in only the Blackhawk Formation. This formation consists of intertonguing sandstones, siltstones, mudstones, carbonaceous shales and coals.

Several economically mineable coal seams are believed to occur within the lower two hundred and fifty (250) feet of the Blackhawk Formation. The lowermost of these seams is most often found atop a marine sand unit commonly referred to as the Aberdeen Sandstone. All drillholes proposed under this license are planned to penetrate the top of the Aberdeen Sandstone. Where sufficient geologic data indicates desireability, drill holes are planned to be drilled through the entire coal-bearing portion of the Blackhawk Formation.

Major faults are shown to occur on published geologic maps (Doelling 1972); coupled with the presence of faulting in neighboring mines, evidence indicates that at least some faulting should be expected on the prospect.

PALEONTOLOGY

Fossil occurrences on the prospect are limited to common gastropods, bivalves and various types of floral species.

SOILS

The soils of the prospect area range from thin cobbly loams to thicker, dark and somewhat organic rich loams. The subsoils are primarily loam with a high rock content. Bedrock is exposed in some areas of the proposed prospect.

Soil conditions should not be a limiting factor for drill site and access road reclamation.

WATER RESOURCES

SURFACE WATER - The Skyline North Prospect is situated in the headwaters of the Price and San Rafael River Basins. Snowmelt is the primary source of water for the small intermittent streams draining the prospect.

GROUND WATER - Springs and seeps are known to originate from the Blackhawk Formation. Due to the discontinuous nature of the sandstone lenses common to the Blackhawk, these springs and seeps are extremely localized. No regional aquifers are known to occur within the prospect area.

EROSION AND SEDIMENTATION

Strata which crop out in the prospect area consist of massive sandstone and interbedded sandstone and shale. Slumping is evident in the area; however, the terrain is generally not typical of landslide topography.

ALLUVIAL VALLEY FLOORS/FLOOD PLAINS

There are no known alluvial valley floors or flood plains in the prospect area.

VEGETATION

Vegetation in the Skyline North Prospect area consists mainly of the Conifer-Aspen vegetative type. A small portion of the land is covered with sagebrush and meadow communities.

WILDLIFE

The prospect area is part of a deer and elk summer range. Other animals which utilize the area are cougar, bobcat, rabbit, porcupine, mice and other small rodents, reptiles, birds, and amphibians. The proposed

program will be scheduled to avoid undue conflict with wildlife. No critical wildlife habitat or raptor nesting sites have been identified in the prospect area.

WILDERNESS

The prospect area is not within or adjacent to any existing or proposed wilderness or roadless areas.

VISUAL RESOURCES

The drilling program will not permanently affect the area's visual resources. Drill sites and access roads are temporary and will be reclaimed.

CULTURAL RESOURCES

A cultural resource survey of the proposed disturbed areas will be conducted prior to commencement of surface disturbing activities. The program will be modified to avoid disturbing any identified sites which may qualify for inclusion in the National Register of Historic Places. No sites which may qualify for inclusion have been identified.

ACCESS

Where possible, access to drill sites will utilize existing Forest Service Roads. Otherwise, access roads will be constructed to reach drill sites. The approximate locations of these proposed access roads are noted on the enclosed location map.

DESCRIPTION OF THE PROPOSED PROGRAM

Rotary drilling and coring will be carried out by rubber-tired, truck-mounted drilling rigs at the six (6) locations as shown on the accompanying map. Support equipment for each drilling rig will include a water truck, 4 X 4 pick-up trucks for the drilling crew, and a 4 X 4 pick-up truck for the rig geologist. One truck-mounted logging unit will be utilized for geophysical logging of the drill holes.

It is Getty's intention to minimize surface disturbance. Only that disturbance which is absolutely necessary to the attainment of the exploration goals will be permitted to occur.

A geologist representing Getty will be on site supervising exploration activities at all times.

A typical core hole will be rotary drilled to a core point above the coal-bearing interval. The remainder of the hole will be rotary core-drilled through the coal-bearing interval and into the desired basal marine sandstone. Cuttings will be sampled, described and retained on five foot intervals. The core will be described, sealed, boxed at the drill site and subsequently shipped to a laboratory for analysis and/or geotechnical testing.

All proposed drill holes will be surveyed and tied to the Utah State Plane Coordinate System. Geophysical logs will be run in each drill hole. The geophysical logging suite will include, but may not be limited to: density, natural gamma, resistivity, caliper, deviation, and sonic where conditions permit.

All drill holes will be approximately 5 7/8 inches in diameter (larger if a core diameter of greater than three inches (3") is desired). Whenever possible, the drilling medium will be air. A water/foam injection will be used to aid in circulation of cuttings to the surface. In the

event that hole conditions preclude the use of air and water/foam the drilling medium will be changed to mud; lost circulation material will be added as conditions warrant.

ROAD AND DRILL SITE CONSTRUCTION

Access road and drill site construction activities will be supervised by Getty environmental personnel. The proposed drilling program will use existing roads and trails, where possible. In those cases where there is no existing access, locations will be reached by moving equipment cross-country along designated routes. If necessary, brush will be cleared from an eight-to-ten foot wide path to the drill site. Only where conditions dictate that the actual ground surface be altered to accommodate passage of equipment will such disturbances occur. Any topsoil removed during road construction will be stockpiled and redistributed during reclamation.

DRILLING SITES

Drill sites will be approximately 100 feet square. The total planned disturbance for all six (6) drill sites will be less than two (2) acres. Where required, topsoil will be removed from drill sites, stockpiled, and redistributed upon reclamation.

A mud pit will be dug by a backhoe and used to contain drilling fluids and cuttings. Upon completion of drilling the pit will be back-filled and reclaimed.

WATER

Water for the drilling operation will be obtained at predesignated sites determined in cooperation with the Forest Service. All permits and arrangements pertaining to the withdrawal of water will be made prior to the start-up of the drilling program.

PLUGGING OF DRILL HOLES

All drill holes will be plugged and/or sealed in accordance with MMS requirements.

SITE MAINTENANCE AND RECLAMATION

All trash and debris will be removed from the forest and disposed of properly. Reclamation of access roads and drill sites will be performed in compliance with the Getty/U.S. Forest Service Reclamation Plan. Reclamation activities will be supervised by Getty environmental personnel.

TABLE I

LEGAL DESCRIPTION

SKYLINE NORTH FEDERAL COAL EXPLORATION

LICENSE APPLICATION AREA

Township 13 South, Range 6 East of the Salt Lake Meridian

Carbon County, Utah

Section 2: Lots 1-4, $S\frac{1}{2}N\frac{1}{2}$, $S\frac{1}{2}$;

Section 3: Lots 1-4, $S\frac{1}{2}N\frac{1}{2}$, $S\frac{1}{2}$;

Section 4: Lots 1-11, $SE\frac{1}{4}NW\frac{1}{4}$, $E\frac{1}{2}SW\frac{1}{4}$, $S\frac{1}{2}NE\frac{1}{4}$, $SE\frac{1}{4}$;

Section 9: Lots 1-11, $N\frac{1}{2}NW\frac{1}{4}$, $E\frac{1}{2}SE\frac{1}{4}$;

Section 10: Lots 1 & 2, $E\frac{1}{2}NW\frac{1}{4}$, $NE\frac{1}{4}$;

Section 11: $N\frac{1}{2}$, $N\frac{1}{2}S\frac{1}{2}$;

Section 16: Lots 1-8;

Section 21: Lots 1, 3 & 4, $E\frac{1}{2}E\frac{1}{2}$;

Section 28: Lots 1-8;

Section 33: $N\frac{1}{2}N\frac{1}{2}$, $SE\frac{1}{4}NW\frac{1}{4}$, $E\frac{1}{2}SW\frac{1}{4}$, $SW\frac{1}{4}SW\frac{1}{4}$, $SE\frac{1}{4}$, $SE\frac{1}{4}NE\frac{1}{4}$

Containing 4,707.23 acres, more or less.

APPENDIX - NOTICE OF INVITATION

Utah: Notice of Invitation to Participate in Coal Exploration Program - Getty Mining Company.

Getty Mining Company is inviting all qualified parties to participate in a program for the exploration of coal reserves in the Skyline North Prospect area near Scofield, Utah. The lands are located in Carbon and Emery Counties, Utah, and are described as follows:

Township 13 South, Range 6 East of Salt Lake Meridian

Section 2:	Lots 1-4, $S\frac{1}{2}N\frac{1}{2}$, $S\frac{1}{2}$;
Section 3:	Lots 1-4, $S\frac{1}{2}N\frac{1}{2}$, $S\frac{1}{2}$;
Section 4:	Lots 1-11, $SE\frac{1}{4}NW\frac{1}{4}$, $E\frac{1}{2}SW\frac{1}{4}$, $S\frac{1}{2}NE\frac{1}{4}$, $SE\frac{1}{4}$;
Section 9:	Lots 1-11, $N\frac{1}{2}NW\frac{1}{4}$, $E\frac{1}{2}SE\frac{1}{4}$;
Section 10:	Lots 1 & 2, $E\frac{1}{2}NW\frac{1}{4}$, $NE\frac{1}{4}$;
Section 11:	$N\frac{1}{2}$, $N\frac{1}{2}S\frac{1}{2}$;
Section 16:	Lots 1-8;
Section 21:	Lots 1, 3 & 4, $E\frac{1}{2}E\frac{1}{2}$;
Section 28:	Lots 1-8;
Section 33:	$N\frac{1}{2}N\frac{1}{2}$, $SE\frac{1}{4}NW\frac{1}{4}$, $E\frac{1}{2}SW\frac{1}{4}$, $SW\frac{1}{4}SW\frac{1}{4}$, $SE\frac{1}{4}$, $SE\frac{1}{4}NE\frac{1}{4}$

Containing 4,707.23 acres, more or less.

Any party electing to participate in this exploration program must send written notice of such election to the Bureau of Land Management, University Club Building, 136 East South Temple, Salt Lake City, Utah 84111 and to Mark L. Adkins/James W. Osborn, Getty Mining Company, P. O. Box 7900, Salt Lake City, Utah 84107. Such written notice must be received within 30 days after the publication of this notice in the Federal Register. A copy of the application is available for inspection at the Public Room, Bureau of Land Management, 136 East South Temple, Salt Lake City, Utah 84111.

TABLE II

HOLE NO.	LOCATION	APPROXIMATE SURFACE ELEVATION	ESTIMATED TOTAL DEPTH
1	SE¼NE¼, Sec. 11 T13S, R6E	9290	1500
2	NW¼SE¼, Sec. 2 T13S, R6E	8280	600
3	NW¼NE¼, Sec. 3 T13S, R6E	9400	2100
4	NW¼NW¼, Sec. 3 T13S, R6E	9560	2300
5	NW¼NW¼, Sec. 10 T13S, R8E	9560	2300
6	NE¼NE¼, Sec. 10 T13S, R8E	8680	1100