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United States Department of the Interior

GEOLOGICAL SURVEY

Office of the Area Mining Supervisor
Conservation Division
8426 Federal Building
125 South State Street
Salt Lake City, Utah 84138

U-05067
U-07064
U-027821

For any comments
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May 16, 1979

Mr. Cleon Feight, Director
Division of Oil, Gas, and Mining
Salt Lake City, Utah 84116

Dear Mr. Feight:

Eureka Energy Company has submitted two Exploratory Drilling Programs to us for approval. Enclosed are two copies of each proposal. One is for use by your office and the other for transmittal to the Office of Surface Mining.

We would appreciate any comments that you or the OSM might have.

An onsite inspection will be scheduled as soon as the weather allows. You will be notified of the date.

If you have any questions, please notify Gerry Lebing or me.

Sincerely yours,

Jackson W. Moffitt
Jackson W. Moffitt
Area Mining Supervisor

Enclosures



Exploration and Mining Plan
Federal Lease No. U-07064-027821

Scope of Proposed Work

Eureka Energy Co. is proposing to drill two coal exploration holes on the above mentioned Federal Leases.

The holes will be located as follows:

DH No.	19-1	24-1
Area of location	Pace Canyon, Carbon County	
Section No.	19	24
Subdivision	NE $\frac{1}{4}$ NW $\frac{1}{4}$	SE $\frac{1}{4}$ SE $\frac{1}{4}$
Township	13S	13S
Range	12E	12E
Surface Elev	8250	8450
Total depth	2080+-	1755+-



Drill holes are shown on the accompanying map.

Access Roads

Site 19-1 will require about 450 feet of access road. Site 24-1 will require about 2600 feet of new road construction.

Pace Canyon has a major road system into the area now but these roads may require some grading to allow proper passage of the drilling equipment.

All access roads will be located in a manner that will cause a minimum of disturbance to ground as well as the vegetative cover. Every attempt will be made to not disturb any more trees than necessary. Proper care will be taken to insure proper drainage during the construction of the roadway. All top soil will be pushed aside for later restoration work. If streams are encountered culverts will be placed in the stream bed so as not to pollute the stream.

Drill Sites

A maximum of about 2 acres or less will be required for the drilling operations. This will provide ample space for the

drilling equipment, pipe truck, water truck and any storage space that may be required. Drilling fluids will be contained in a pit large enough to contain all drilling fluids and prohibit any spillage. During the site preparation all top soil will be pushed to one area for later restoration work.

The drill holes will be about 6 inches in dia. (depending upon drilling equipment available). Holes will be rotary drilled to near the Sunnyside Coal seam, then core drilling will commence in an attempt to intercept all coal seams in the area.

Exploration Plan

Mr. John C. Osmond of Eureka Energy Co. will be in full charge of the drilling program. His address is 215 Market Street, San Francisco, Ca. 94106 (415 781 4211).

According to the Carbon County Plat the office/surface owner of Section 19 and 24, T.13S., R.12E., S.L.B.&M., is Milton Thayne of Wellington, Utah.

In preparing the drill sites and the access road some vegetative cover will be disturbed, however every effort will be made to keep this to a minimum. Drill sites will be located in a place that will not require any trees to be disturbed. Top soil will be pushed aside for later restoration work.

At the present time there is no habitate of fish in any of the streams. Most of the streams in this area are intermitent and therefore would not support fish. Every effort will be made to not disturb the wildlife in the area. Wildlife consists of deer, rabbits, mountain lions and many small rodents. It is not anticipated that the drilling operations will disturb the wildlife to a great extent. There are numerous roads in the area used by ranchers, sightseers and sportsman.

The present use of the land is grazing by the surface owner. Every effort will be made to not disturb the cattle during the drilling operations.

Due to the terrain and the location of the drill sites some heavy equipment will be used for the road construction and site preparation. Drilling fluid pits will be prepared with use of a back hoe.

The exploration holes will be drilled with equipment capable of drilling to at least 2500 feet in depth, which will also need the use of a pipe truck and water truck, as well as other support vehicles.

During the construction phase and the drilling phase every precaution will be taken to prevent fires. Fire fighting equipment will be required to be on hand by the contractor building the roads and sites as well as the drilling contractor. No open flames will be allowed except in proper containers.

Soil erosion will be kept to a minimum. Proper drainage will be provided, such as water bars where needed. Culverts will be placed in streams to insure no pollution into the streams. All roads will be located in a manner to protect the public as well as the drilling contractor from any hazardous conditions. Law enforcement agencies will be contacted if any hazards do occur. Proper medical attention and Law enforcement are available in Price, Utah, approximately 20 miles from the project.

At the completion of the drilling operations all drill holes will be plugged with neat cement grout from bottom to top or by filling with neat cement grout 50 feet below and above each coal seam. All water bearing zones will be plugged with neat cement

grout 50 feet below and 50 feet above the zone. The balance of the hole will be filled with drilling fluid medium, sodium bentonite or material comparable. The top 50 feet will be filled with neat cement with a marker pipe to identify the hole. This plugging will commence as soon as the hole is completed.

Reclamation Schedule

All drill sites will be cleaned as soon as the drilling is finished. Drilling fluid pits will be filled in and the entire site smoothed over and contoured to the surrounding terrain. Top soil will then be spread over the entire area that has been disturbed in preparation for the seeding of the area. All garbage and trash will be disposed of properly. Access roads will be obliterated and prepared in a manner to be contoured to the adjacent ground. Stored top soil will be spread over the disturbed areas in preparation for the seeding. The surface owner may request that the access roads be left in tact. If so roadways will be left in a manner that will not contribute to any erosion or pollution of streams.

All disturbed areas, meaning the drill sites and access roads will be reseeded by using the following seeding mixture and application

<u>Grasses</u>		<u>Rate lbs/ac</u>
Oryzopsis humenoides	Indian Rice Grass	2
Agropyren desertorum	Crested Wheat	2
Sporabules Crystandrus	San Drop seed	2
<u>Forbs</u>		
Sphaeralcea ambigua	globe mallow	<u>2</u>
		8

Seeding shall be done between September 1 and April 1, in order to take advantage of the winter moisture.

Seeding shall be done by one of several methods.

1. Seeding will be done by drilling, with equipment capable of drilling the seed and leaving furrows of at least $1\frac{1}{2}$ inch deep.

2. Seeding maybe done by braadcasting by hand, with the aid of cyclone seeder, or a hydoseeder. The area will then be harrowed or raked to cover the seed.

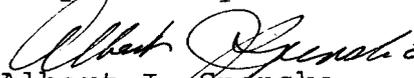
Time Table of Operations

The anticipated time of each operation is as follows with every effort to follow the time as chose as possible.

- | | |
|-----------------------------|--|
| 1. Prepare the access roads | June 1 to July 1, 1979 |
| 2. Prepare the drill sites | June 1 to July 1, 1979 |
| 3. Drilling operations | June to October as required. |
| 4. Restoration work | As soon as each drilling is complete or shortly after. All restoration work will be complete by December 1979. |
| 5. Reseeding operations | To begin after September 1 and be complete by December 1979. |

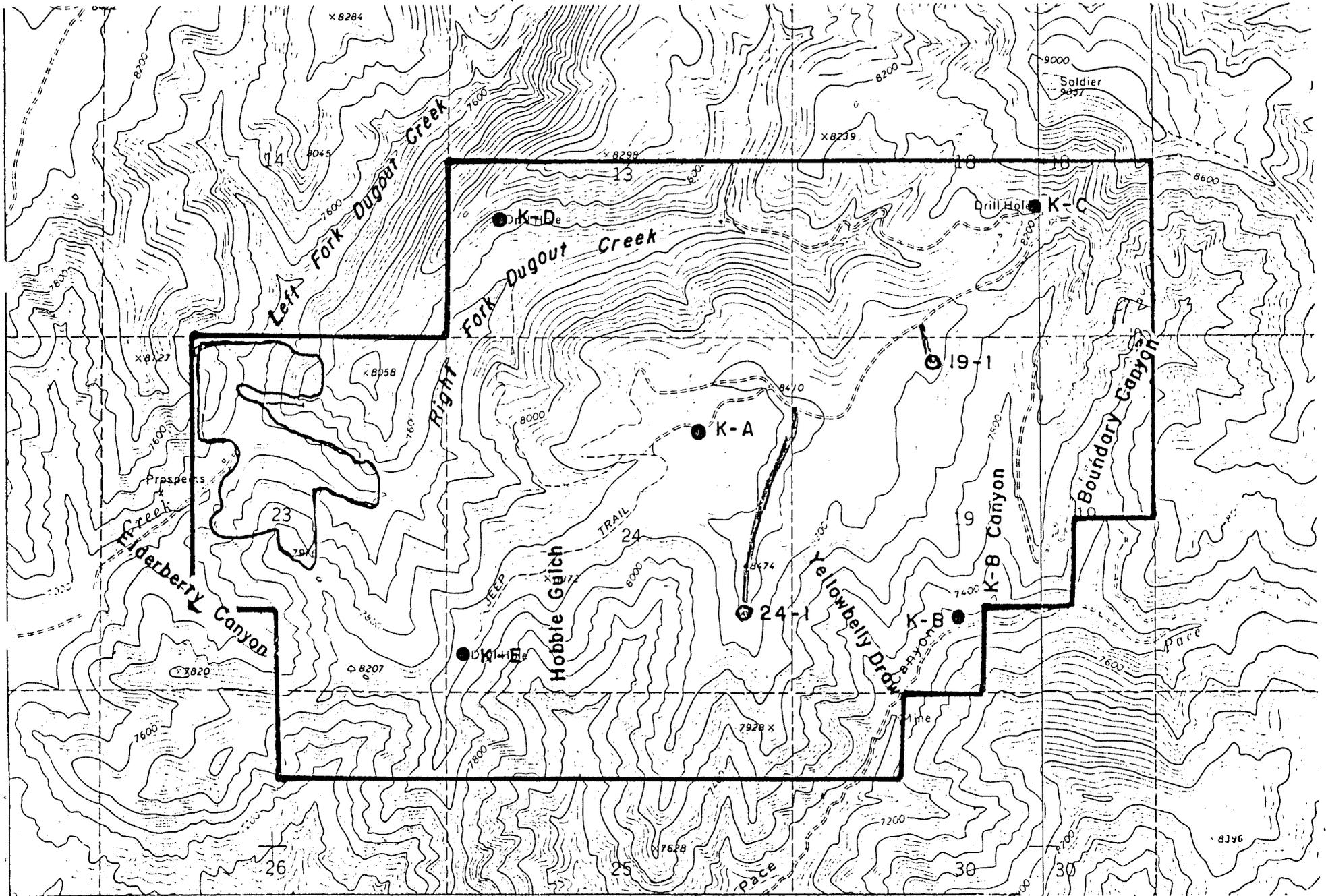
An archeological investigation will be conducted on the drill sites and access road as soon as possible. This report will be submitted as soon as it is recieved.

Respectfully submitted


Albert J. Spensko

5/15/79

R-12E T13S



EUREKA ENERGY COMPANY

PROPOSED DRILLING DUGOUT CANYON AREA

11-20001

- Proposed Drill Hole
- Drill Hole
- - - Proposed New Road Construction

Exploration and Mining Plan

Federal Lease No. U-05067

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Scope of Proposed Work

Eureka Energy Co. is proposing to drill two coal exploration holes on the above mentioned Federal Lease. The holes will be located as follows:

DH No.	CC4-1	CC9-1
Area of Location	Coal Creek,	Carbon County
Section No.	4	9
Subdivision	SE $\frac{1}{4}$ SE $\frac{1}{4}$	NW $\frac{1}{4}$ NW $\frac{1}{4}$
Township	13S	13S
Range	11E	11E
Surface Elev	7795	7110
Total depth	1250+-	450+-



Drill holes are shown on the accompanying map.

Access Roads

Site CC4-1 will require about 3200 feet of access road. Site CC9-1 will require about 1000 feet of new road construction.

The Coal Creek area has a major road system existing into the area now. Some grading maybe required to allow the proper passage of drilling equipment.

All access roads will be located in a manner that will cause a minimum of disturbance to the ground as well as the vegetative cover. Every attempt will be made to not destroy any more trees than necessary. Proper care will be taken to insure proper drainage during the construction of the roadway. All top soil will be pushed aside for later restoration work. If streams are encountered culverts will be placed in the stream bed so as not to pollute the stream.

Drill Sites

A maximum of about 2 acres or less will be required for the drilling operations. This will provide ample space for the

drilling equipment, pipe truck, water truck and any storage space that may be required. Drilling fluids will be contained in a pit large enough to contain all drilling fluids and prohibit any spillage. During the site preparation all top soil will be pushed to one area for later restoration work.

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Exploration Plan

Mr. John C. Osmond of Eureka Energy Co. will be in full charge of the drilling program. His address is 215 Market Street, San Francisco, Ca. 94106 (415 781 4211).

According to the Carbon County Plat the official surface owner of Section 4 and 9, T.13S., R.11E., S.L.B.&M., is owned by John C. and Sophia Critchlow, of Price, Utah.

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At the present time there is no habitate of fish in any of the streams. Most of the streams in this area are intermitent and therefore would not support fish. Every effort will be made to not disturb the wildlife in the area. Wildlife consists of deer, rabbits, mountain lions and many small rodents. It is not anticipated that the drilling operations will disturb the wildlife to a great extent. There are numerous roads in the area used by ranchers, sightseers and sportsman.

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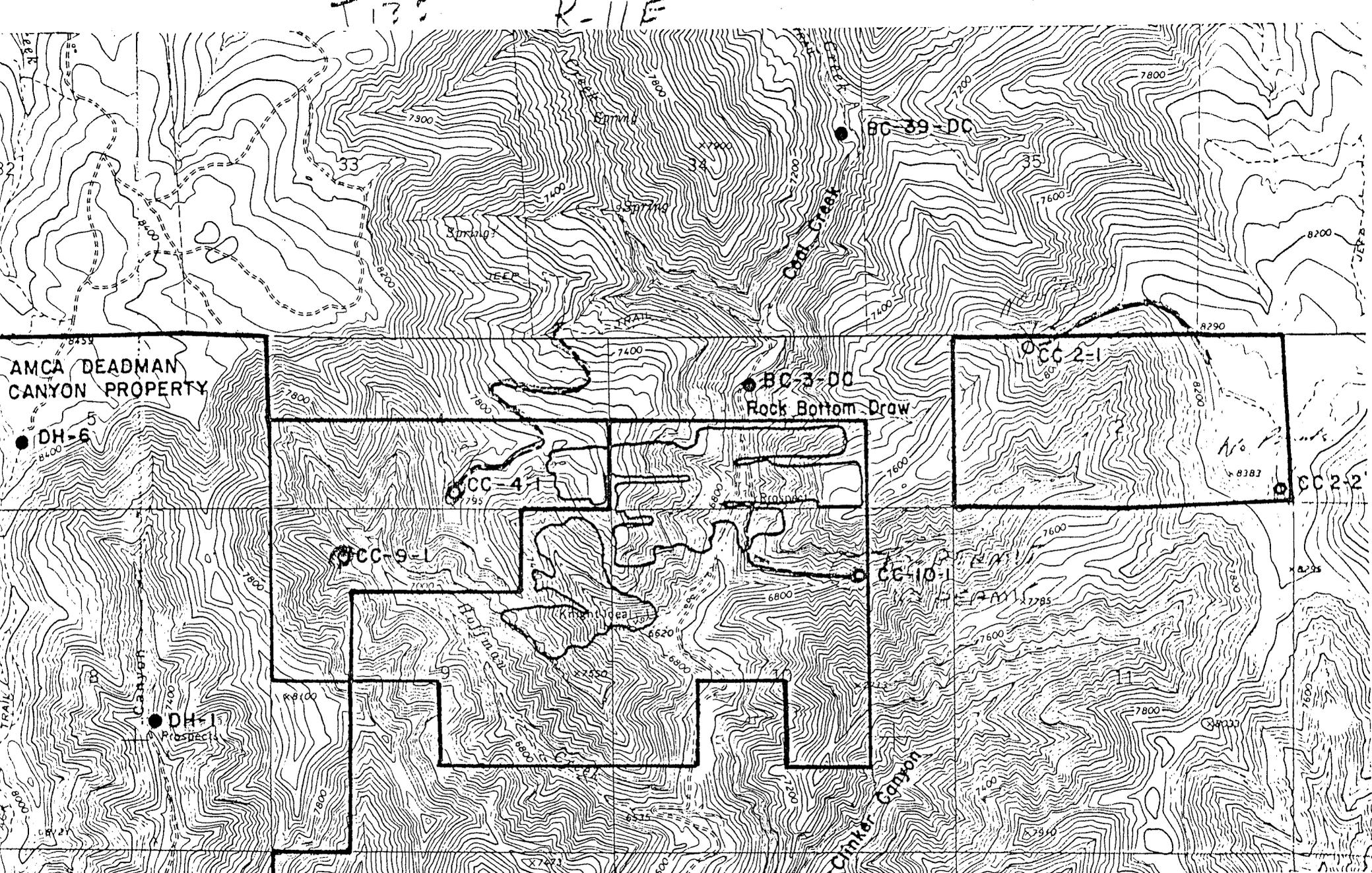
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Respectfully submitted

Albert J. Spensko
Albert J. Spensko

5/15/79



EUREKA ENERGY COMPANY
 PROPOSED DRILLING COAL CREEK AREA
 1" = 2000'
 CARBON CO., UTAH

- Proposed Drill Hole
- Drill Hole
- - - Proposed New Road Construction

