

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE WATER SANDS LOCATION INSPECTED SUB REPORT abd

* location Abandoned - well never drilled 3-12-82

DATE FILED 8-11-80

LAND: FEE & PATENTED STATE LEASE NO PUBLIC LEASE NO INDIAN 14-20-H62-

DRILLING APPROVED 8-18-80 3423

SPOUDED IN
COMPLETED PUT TO PRODUCING

INITIAL PRODUCTION

GRAVITY API

GOR

PRODUCING ZONES

TOTAL DEPTH

WELL ELEVATION

DATE ABANDONED LA 3-12-82

FIELD WILDCAT 3/16

UNIT

COUNTY DUCHESNE

WELL NO UTE #1-28 API NO. 43-013-30539

LOCATION 762' FT FROM (N) ~~XX~~ LINE. 2039' FT FROM (W) ~~XX~~ LINE NE NW 1/4 - 1/4 SEC 28

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
				5S	5W	28	COUGAR EXPLORATION

FILE NOTATIONS

Entered in NID File _____
Filed On S R Sheet _____
Location Map Pinned _____
Card Indexed _____
IWR for State or Fee Land _____

Checked by Chief _____
Copy NID to Field Office _____
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed _____
OW _____ WW _____ TA _____
GW _____ QS _____ PA _____

Location Inspected _____
Bond released _____
State of Fee Land _____

LOGS FILED

Drillers Log _____

Electric Logs (No.) _____

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____
Lat _____ Mi-L _____ Sonic _____ Others _____

U/C
3-28-90

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 COUGAR EXPLORATION

3. ADDRESS OF OPERATOR
 Box 2304 Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 2039 FWL 762 FNL Section 28, T5S, R5S, U.S.B. & M.
 At proposed prod. zone
 Same

5. LEASE DESIGNATION AND SERIAL NO.
 14-20-H62-3423

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
 #1-28

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., E., M., OR BLEK. AND SURVEY OR AREA
 Sec. 28, T5S, R5W, U.S.B. & M.

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 21.4 Miles Southwest fo Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
 762

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
 10000

20. ROTARY OR CABLE TOOLS

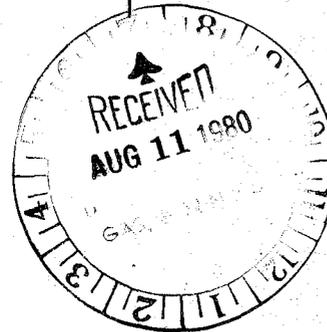
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6609

22. APPROX. DATE WORK WILL START*
 Sept. 15, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	13 3/8"	Conductor Pipe	100'	Cement to Surface
12 1/4"	9 5/8"	32#	1000'	200 Sacks
8 3/4"	5 1/2"	32#	10000'	400 Sacks

See 10 Point & Attachments



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Drilling Superintendent DATE Aug 8, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

COUGAR EXPLORATION
Ute #1-28
NENW Section 28, T5S, R4W
Duchesne County, Utah

1. GEOLOGIC NAME OF SURFACE FORMATION:

Green River

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Base to 4100' - Green River
4700' to 8700' Wasatch

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS, OR OTHER MINERAL BEARING FMS:

400' Water
5000' Oil and Gas
6000' to Total Depth Oil and Gas

4. CASING PROGRAM:

100' of 13 3/8 Conductor Pipe
1000' of 9 5/8 32 pounds
10000' of 5 1/2 32 pounds

5. BOP PROGRAM: (See attached Figure 3)

- A. 1 10" 900 Series Rotating Head
 - B. 1 11" 900 Series Cameron Double Gate
 - 1 Pipe Ram
 - 1 Blind Ram
 - C. 1 11" Hydrill
 - D. Choke System
 - E. BOP's and choke manifold will be installed and pressure tested before drilling out from under surface casing and will be checked daily as to mechanical operating condition.
6. DRILLING FLUID:

Hole will be air drilled. A large rotary air compressor rated at 1500 CFM (1600 psi) will be used to drill hole. If a significant flow of H₂O is encountered, soap mist injection will be used to the 6500' level, then well will be drilled with mud to Total Depth.

7. AUXILIARY EQUIPMENT:

- A. Kelly Cock
- B. Drill Pipe Float
- C. A sub on the floor with a full opening valve to be stabbed into drill pipe.

8. TESTING, LOGGING, OR CORING:

- ~~A. No open hole tests will be run.~~
- B. Dual induction Laterolog, CNL Density.
- C. Fracturing or other treatment program information not known at present. A program will be submitted prior to operation for approval. A basic frac equipment layout is shown in Exhibit "E".
- D. No coring anticipated.

COUGAR EXPLORATION
Ute #1-28
NENW Section 28, T5S, R4W
Duchesne County, Utah

9. ABNORMAL PRESSURE OR TEMPERATURE:

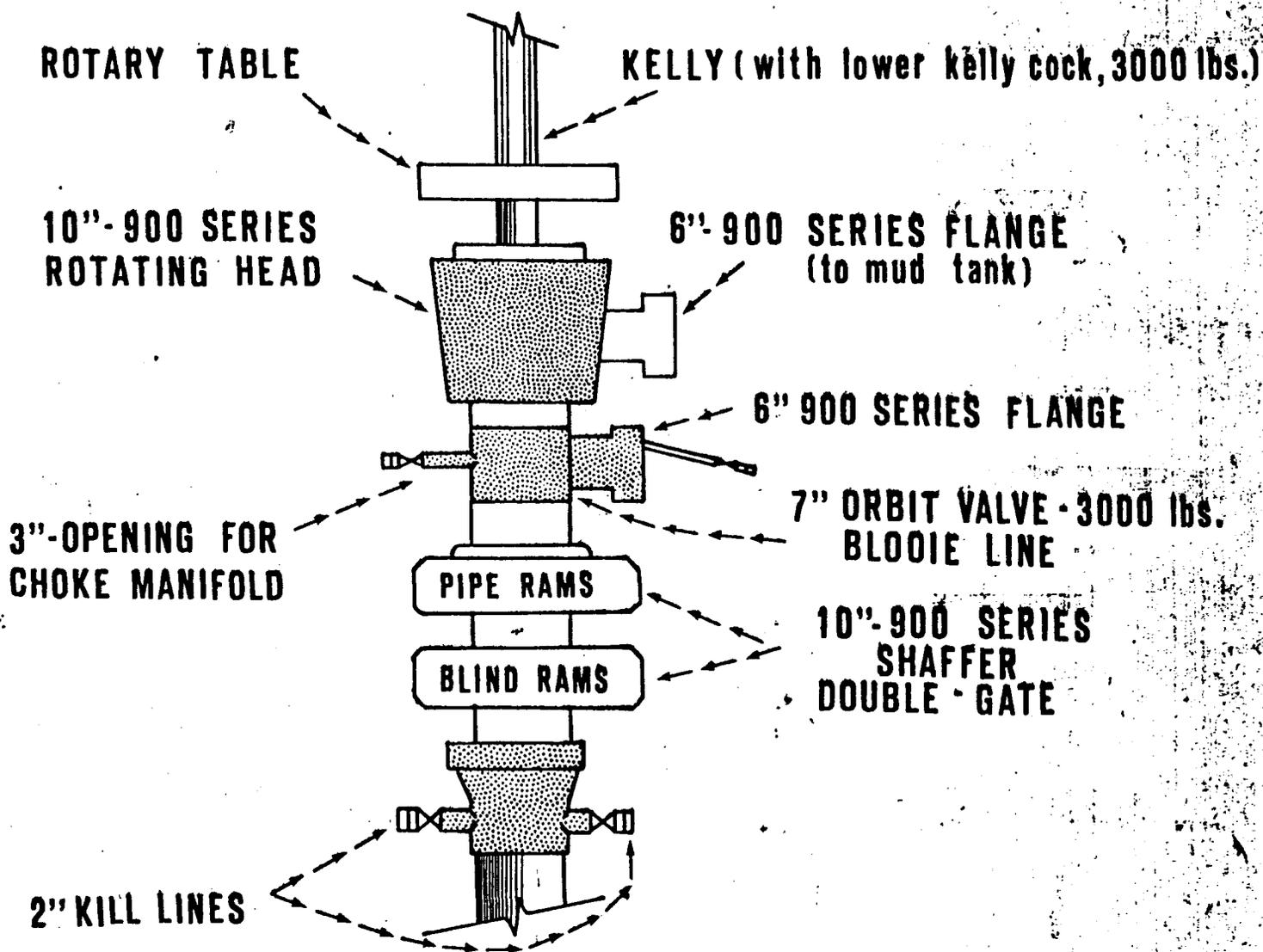
No abnormal pressures or temperatures are anticipated based on information from other drilled holes in the area.

10. STARTING DATE:

February 1, 1981

DENTON BROTHERS DRILLING CO.

BOP STACK



RIG NO. 1

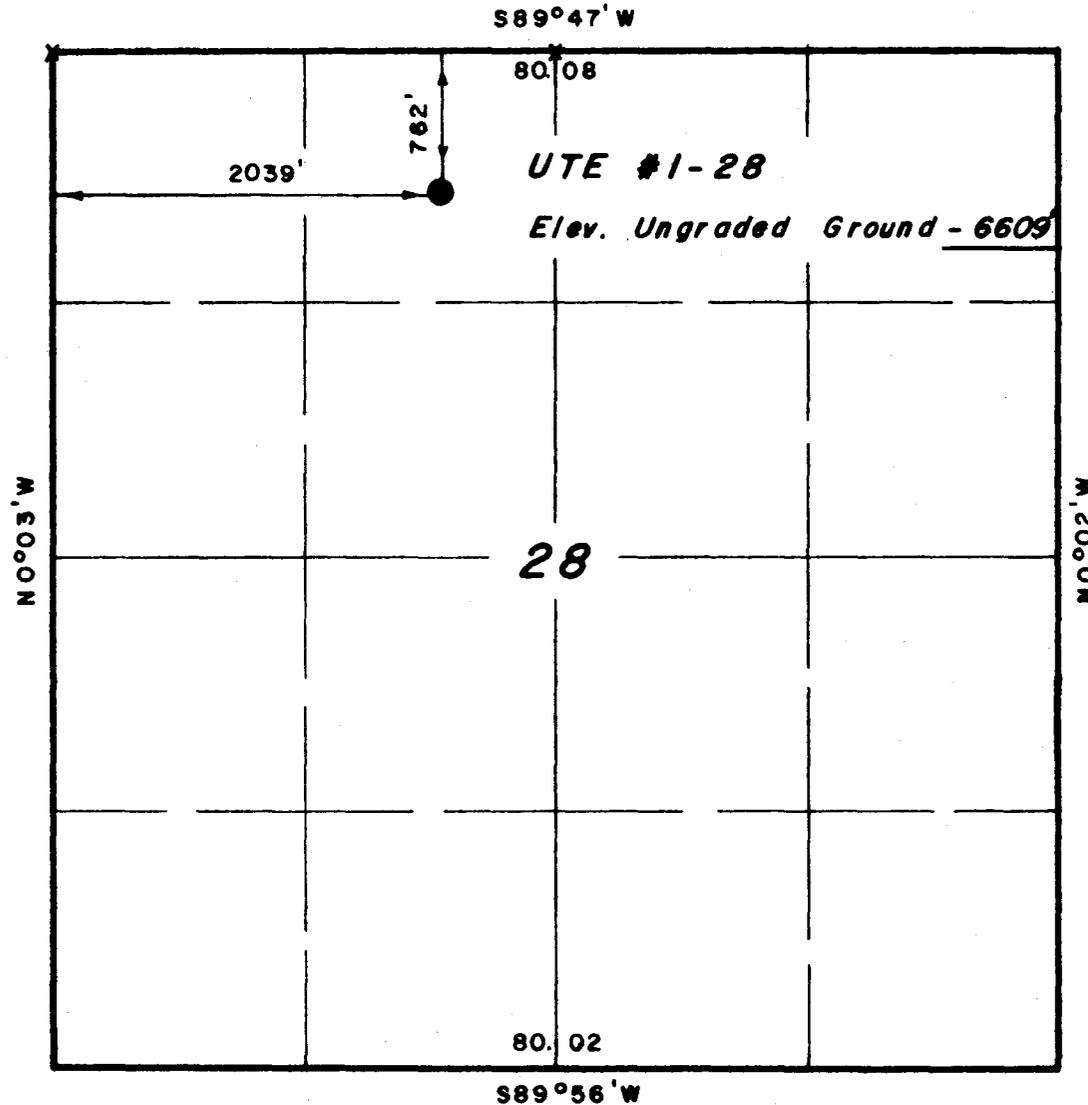
NOT TO SCALE

T 5 S , R 4 W , U.S.B.&M.

PROJECT

COUGAR EXPLORATION

Well location, UTE #1-28,
located as shown in the NE 1/4
NW 1/4 Section 28, T5S, R4W,
U.S.B. & M. Duchesne County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Robert J. Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 5/6/80
PARTY N.J.M. S.H. S.B.	REFERENCES GLO Plot
WEATHER Fdr, Cloudy & Rain	FILE COUGAR EXPLOR.

COUGAR EXPLORATION

13 Point Surface Use Plan

for

Well Location

Ute #1-28

Located in

Section 28, T5S, R4W, U.S.B. & M.

Duchesne County, Utah

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B. & M.

1. EXISTING ROADS

See Topographic Maps "A" & "B".

To reach COUGAR EXPLORATION well location, Ute #1-28, located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 28, T5S, R4W, U.S.B. & M. from Myton, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 \pm 9.2 miles to its junction with an improved county road to the Southwest; proceed Southwesterly along this road known as the Sowers Canyon road 8.8 miles to its junction with an existing county road to the Southwest; proceed Southwesterly along this road 5 miles to its junction with the proposed access road (to be discussed in Item #2).

U.S. Highway 40 is a bituminous surfaced road from Myton to the beginning of the county road. This highway is maintained by state road crews. The county roads described above are dirt roads that were constructed out of the materials accumulated during their construction. These roads are maintained by Duchesne County road crews. There will be no maintenance required along these roads by COUGAR EXPLORATION.

There is no anticipated construction on any of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling, completion, and production phases of this well.

See Topographic Map "B" for the surface ownership in the immediate area of the location.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing road described in Item #1 in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 28, T5S, R4W, U.S.B. & M. and proceeds in a Westerly-Northwesterly direction 0.4 miles to the proposed location site.

This proposed road leaves the existing road near the top of a large ridge which separates Brundage Canyon from Nutters Canyon. The grade is relatively flat for the first 400' and then dugways down the North slope of the ridge toward the aforementioned Brundage Canyon. The maximum grade along this road will be 8%. The vegetation along this road consists of Juniper and Pinion Pine, with some sagebrush and grasses.

There will be no culverts required along this planned access road. There are no fences encountered along this road. There will be no cattleguards or new gates required.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B& M.

2. PLANNED ACCESS ROAD - cont...

The proposed access road will have a right-of-way of 30' (15' perpendicular on each side of the centerline).

The proposed access road will be an 18' crowned road (9' either side of the centerline) with drainage ditches on the up hill side of the road where determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to the area.

Back slopes along the cut areas of the road will be 1½ to 1 slopes and terrace#.

The road will be centerline flagged prior to commencement of construction.

The grade of this road will vary from flat to 8%, but will not exceed this amount. This road will be constructed from native borrow material accumulated during construction.

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges or at intervals and locations that will provide the greatest sight distance. These turnouts will be 200' in length and 10' wide and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are no known water wells, producing wells, abandoned wells, temporarily abandoned wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one-mile radius of this location site.

4. LOCATION OF EXISTING & PROPOSED FACILITIES

At the present time there are no COUGAR EXPLORATION production facilities, tank batteries, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one-mile radius of this location site.

In the event that production is established at this location site, all production will be contained within the area of the proposed location site. It is not known at this time what future production facilities will be required at this well site. In the event production is established plans will be submitted to the proper authorities in detail stating the proposed containment and transportation of the produced fluids. Any areas required for any future production facilities will be constructed using bull dozers, graders, and workman crews to construct and place the facilities.

If there are any deviations from the above paragraphs, then all appropriate agencies will be notified prior to construction and all necessary requests and applications will be made.

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B. & M.

4. LOCATION OF EXISTING & PROPOSED FACILITIES - cont...

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

5. LOCATION OF AND TYPE OF WATER SUPPLY

See Topographic Map "A".

Water to be used in the drilling of this well will be hauled by truck over the existing road described in Item #1 from the Duchesne River near Bridgeland, Utah, approximately 18 miles by road Northeast of the proposed location site.

If this water source is not used, then the necessary arrangements will be made to acquire the water from other sources and will be hauled by truck over portions of the roads that are described in Item #1 and #2.

The local governmental agencies and any other parties involved will be notified of any deviations and all governing guidelines and regulations will be strictly adhered to.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site and access road will consist of sandy-clay soil and sandstone and shale material gathered during the actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will be approximately 10' deep and at least one-half of this depth shall be below the surface of the existing ground.

One-half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one-half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, and produced fluids, etc..

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B.& M.

7. METHODS FOR HANDLING WASTE DISPOSAL - cont...

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

All garbage and other waste material will be contained in a trash basket made of small mesh wire and will be taken to the nearest sanitary landfill for disposal upon completion of the well.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet

All involved agencies shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representative of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make them safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, it shall be stripped and stockpiled, (See Location Layout Sheet). When all drilling and production activities have been completed, the location site will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B. & M.

10. PLANS FOR RESTORATION OF SURFACE - cont...

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around the pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket will be hauled to the nearest sanitary landfill.

As mentioned in Item #7, the reserve pit will be completely fenced and wired with overhead wire and flagging installed. If there is oil in the pits, it will be allowed to dry completely before covering.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site shall be reseeded with a seed mixture recommended by the B.I.A. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area (See Topographic Map "B").

The area is at the Southwest end of the Uintah Basin which is formed by the Book Cliff Mountains and the Green River to the South and the Uinta Mountains to the North. The area is interlaced with numerous canyons and ridges formed in sandstone, cobblerock, conglomerate, and shale deposits.

The majority of the smaller drainages are of a non-perennial nature with normal flow limited to the early spring run-off and heavy thunderstorms or rainstorms of high intensity that last over an extended period of time and are extremely rare in nature as the normal annual precipitation is only 8".

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation, (the Fluvial Sandstone and Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poor gravels and shales and outcrops of rock (sandstone, mudstone, conglomerate, and shale).

Due to the low precipitation average, climatic conditions, and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora, areas of Juniper, Pinion Pine, sagebrush, rabbitbrush, some grasses, and cacti, on the upper benches with cottonwoods, beach, willow, Russian Olives, and grasses along the lower levels close to the wet areas and streams.

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B. & M.

11. OTHER INFORMATION - cont...

The fauna of the area consists predominately of the mule deer, coyotes, rabbits, varieties of small ground squirrels and other types of rodents, and various reptiles common to the area.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area (See Topographic Map "B")

Ute #1-28 sits on a relatively steep side hill which slopes to the Northwest into Brundage Canyon. Brundage Canyon is a non-perennial drainage which drains to the Northeast Sowers Canyon which drains to the Northeast into the Duchesne River. (Perennial).

The ground slopes through this location to the Northwest at approximately a 12% grade into the aforementioned non-perennial drainage.

The immediate area around this location is vegetated by sagebrush and grasses. With some Juniper and Pinion Pine.

All lands that will be damaged by this location site are owned by the Ute Indian Tribe.

There are no occupied dwellings or other facilities of this nature in the general area. There are no historical, or cultural sites within any reasonable proximity of the proposed location site.

It will be determined by a certified archaeologist whether there are any archaeological findings in the immediate area of this location site.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Rance Denton
COUGAR EXPLORATION
Box 2304
Casper, WY. 82601

Tele: 1-307-235-0712

COUGAR EXPLORATION
Ute #1-28
Section 28, T5S, R4W, U.S.B. & M.

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operation proposed herein will be performed by COUGAR EXPLORATION and its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

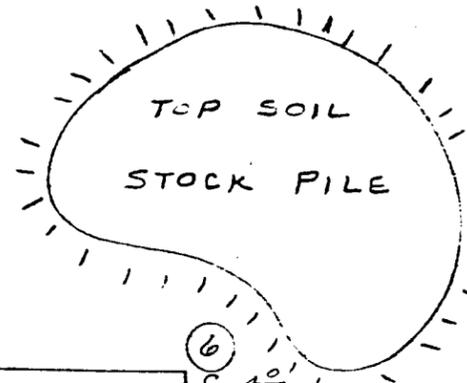
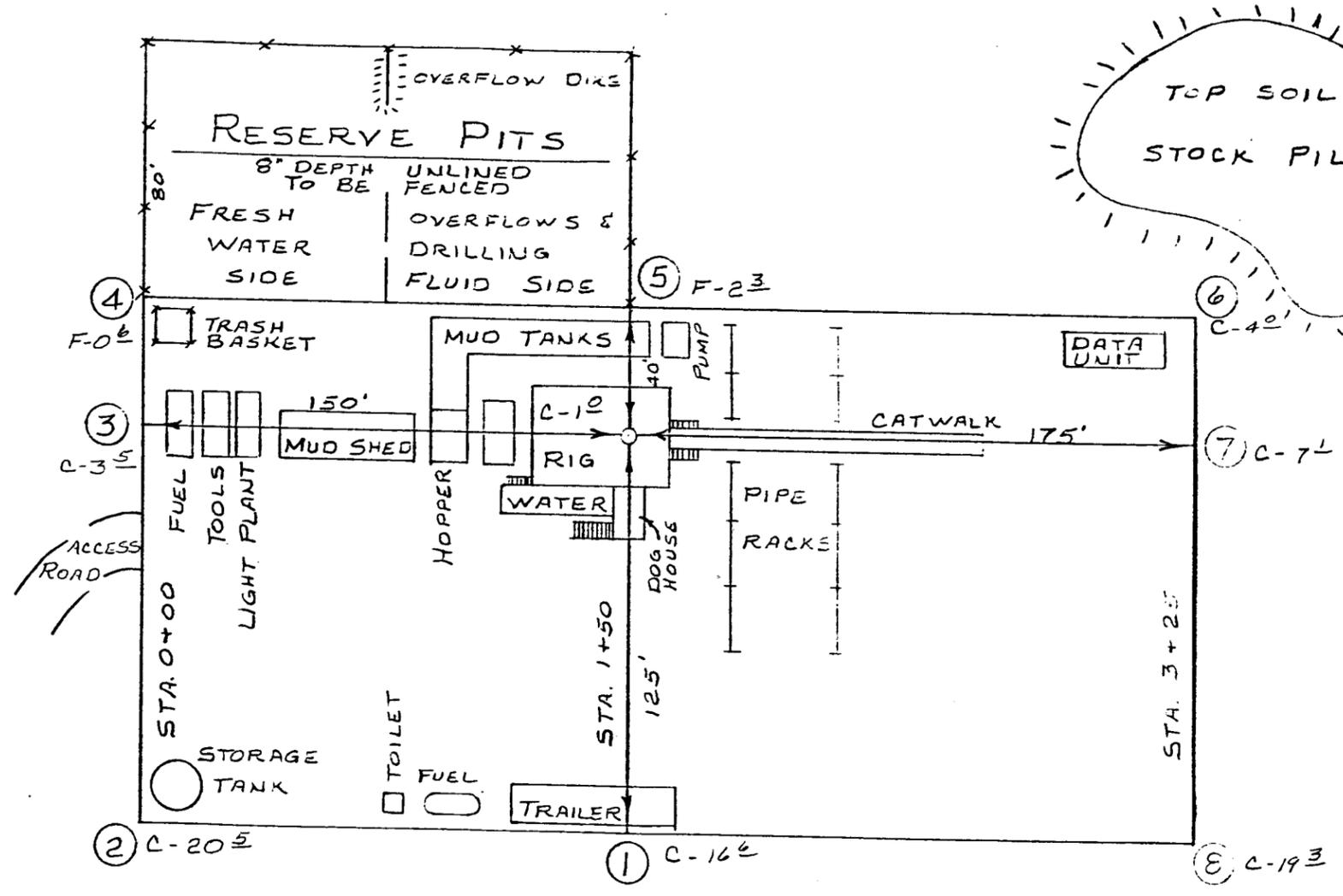
Aug 8, 1980
Date


Rance Denton

COUGAR EXPLORATION

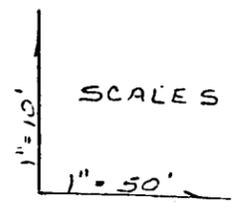
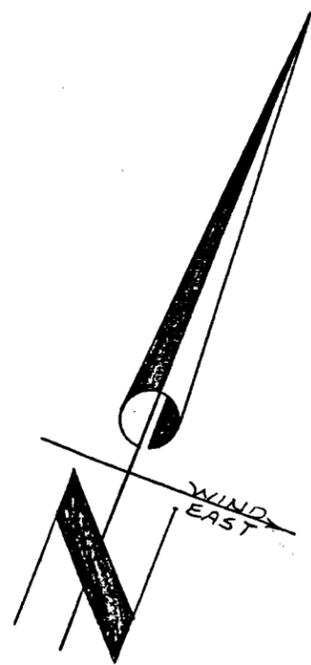
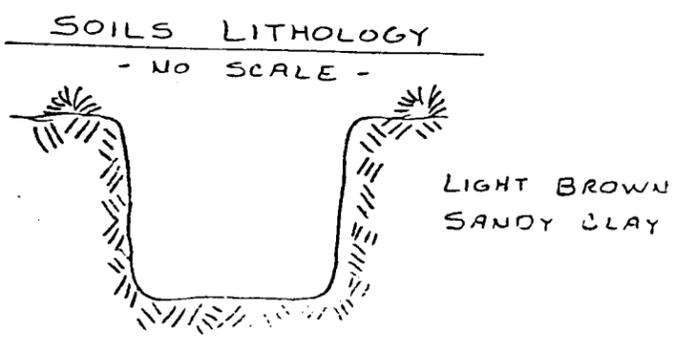
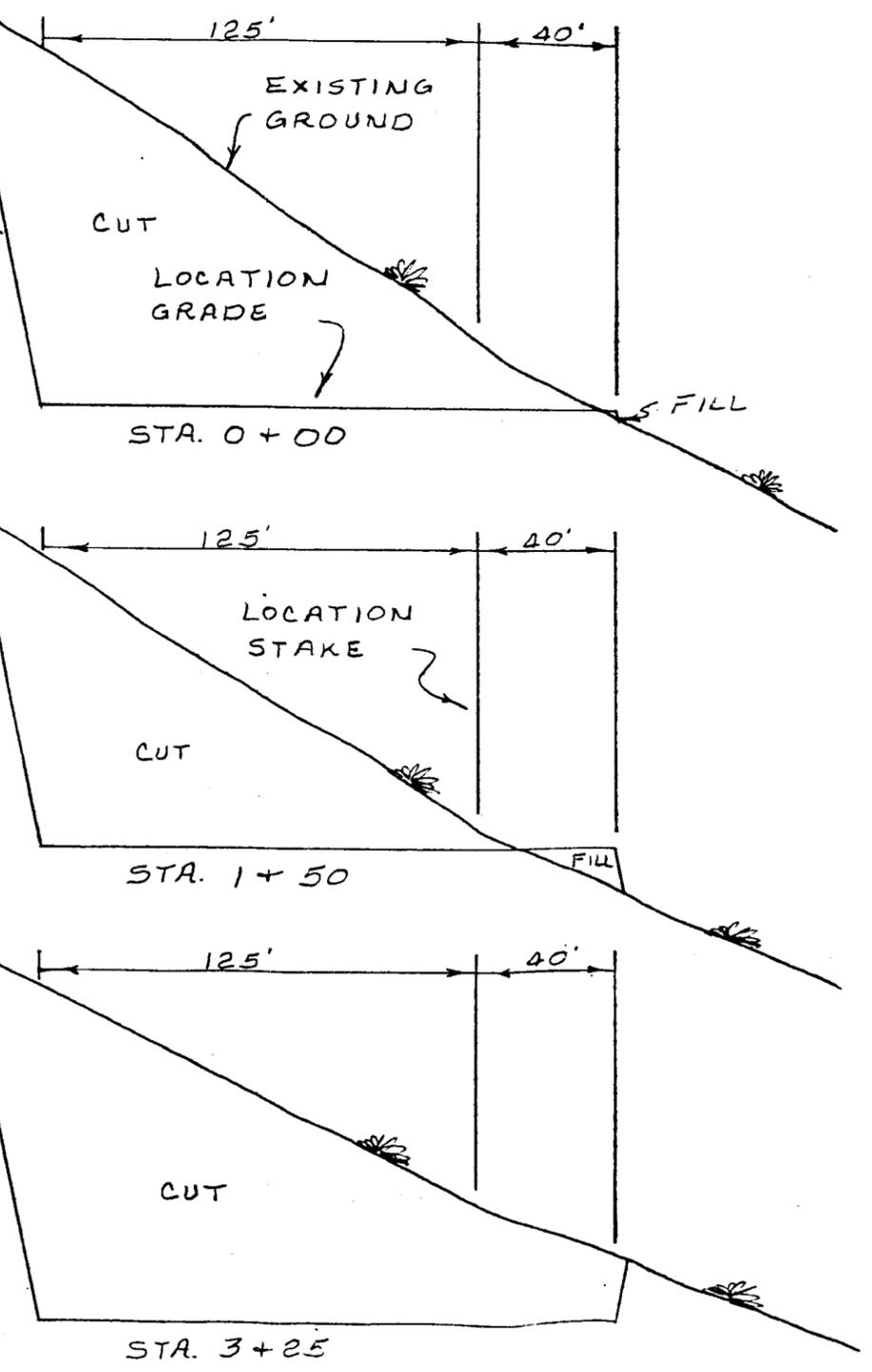
UTE # 1-28

LOCATION LAYOUT & CUT SHEET



CROSS SECTION

1:1 SLOPE (TYP)



APPROX. YARDAGES

CUT - 17,354 CU. YDS.
FILL - 216 CU. YDS.

COUGAR EXPLORATION UTE # 1-28

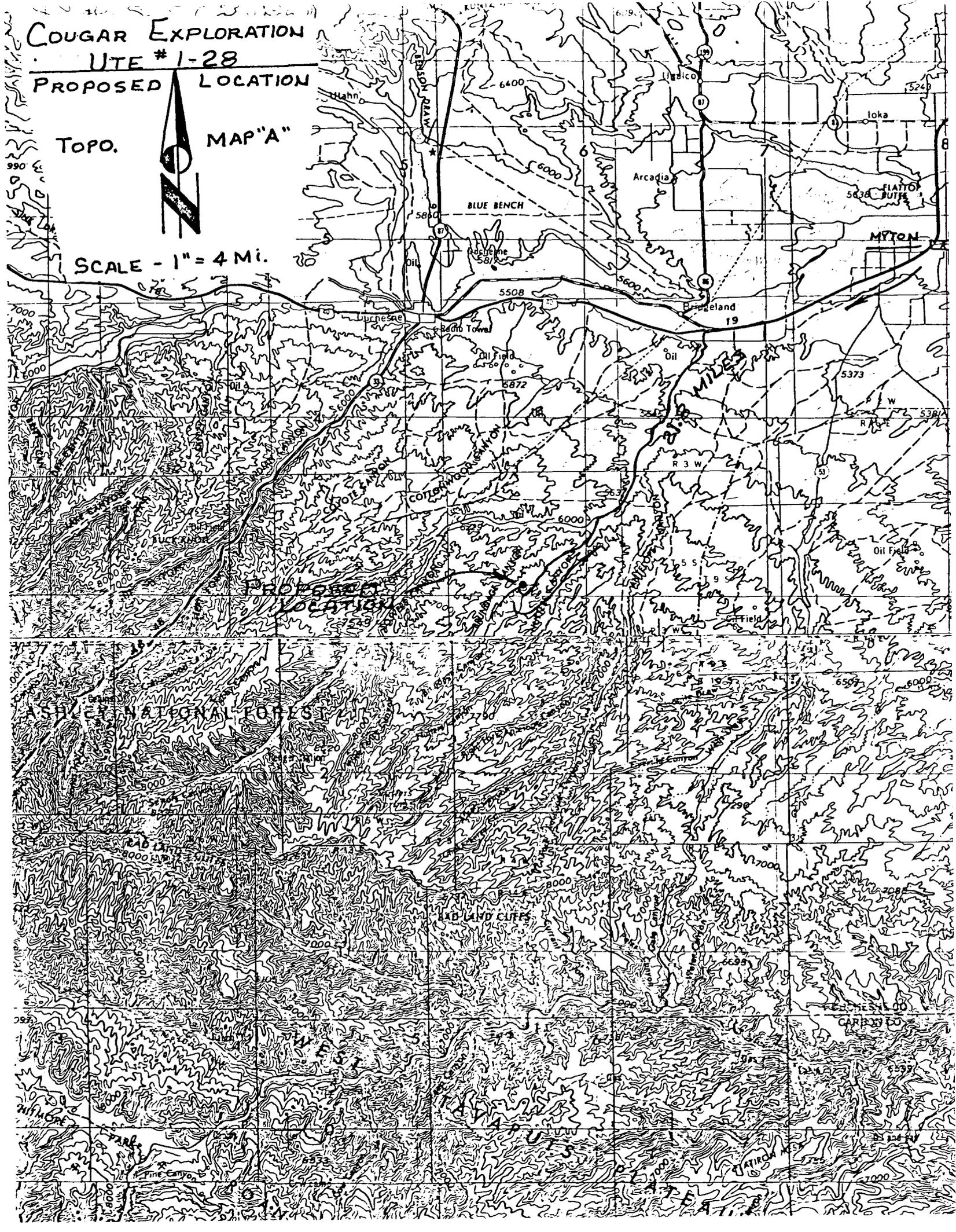
PROPOSED LOCATION

TOPO.

MAP "A"



SCALE - 1" = 4 Mi.



COUGAR EXPLORATION
UTE # 1-28

PROPOSED LOCATION

TOPO. MAP "B"



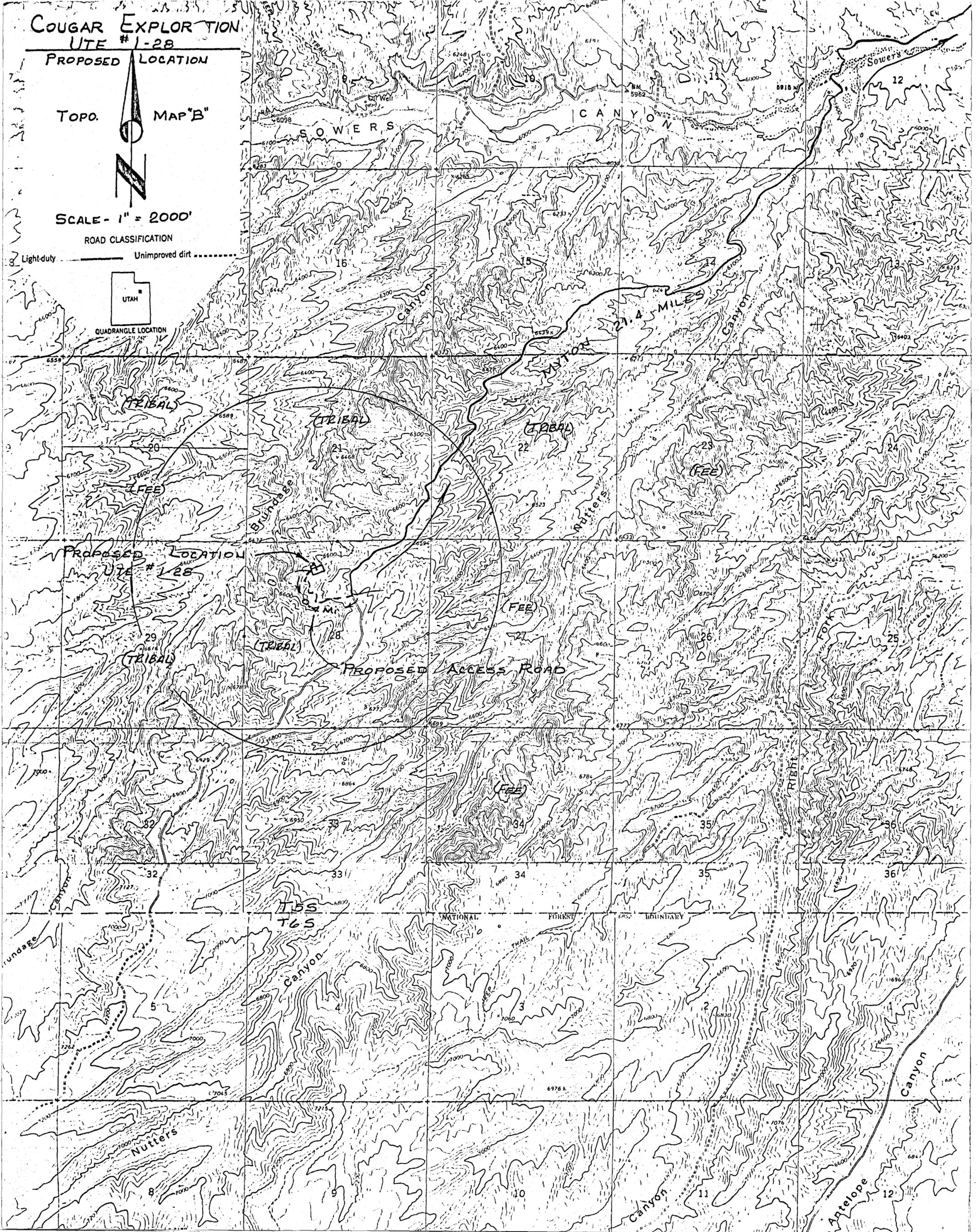
SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty ——— Unimproved dirt - - - - -



QUADRANGLE LOCATION



3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 COUGAR EXPLORATION

3. ADDRESS OF OPERATOR
 Box 2304 Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
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 2039 FWL 762 FNL Section 28, T5S, R5W U.S.B. & M.
 At proposed prod. zone
 Same **NE NW**

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 762

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 19. PROPOSED DEPTH
 10000 **Wasted**

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 6609 **Gr**

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 14-20-H62-3423

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

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 Wildcat

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 Sec. 28, T5S, R5W, U.S.B. & M.

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

20. ROTARY OR CABLE TOOLS
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 Sept. 15, 1980

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See 10 Point & Attachments

APPROVED BY THE DIVISION
 OF OIL, GAS, AND MINING
 DATE: 8/18/80
 BY: [Signature]



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Drilling Superintendent DATE Aug 8, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

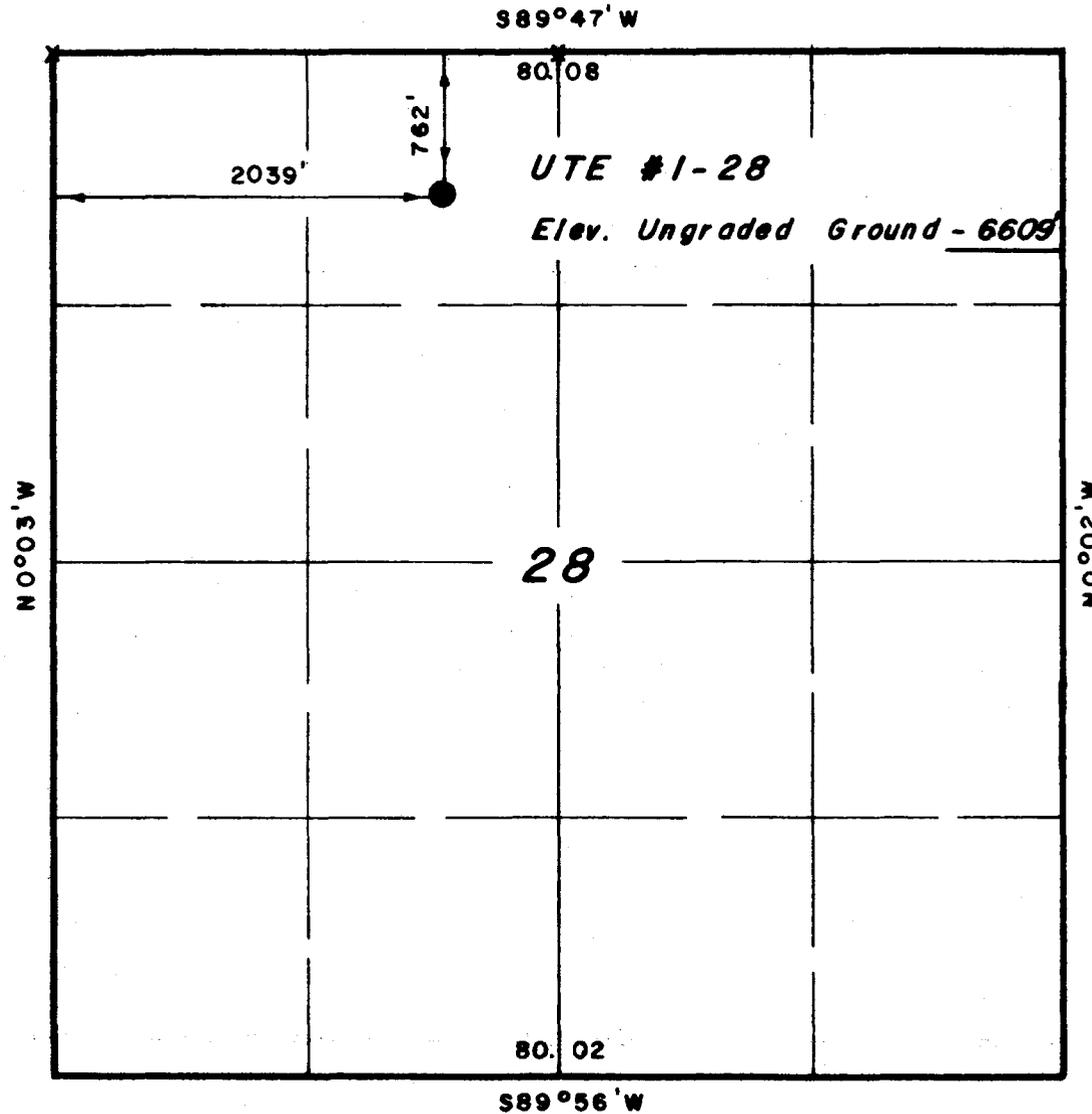
APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

T 5 S , R 4 W , U.S.B.&M.

PROJECT

COUGAR EXPLORATION

Well location, UTE #1-28,
located as shown in the NE 1/4
NW 1/4 Section 28, T5S, R4W,
U.S.B.&M. Duchesne County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

John J. Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 5 / 6 / 80
PARTY N.J.M. S.M. S.B.	REFERENCES GLO Plat
WEATHER Fair, Cloudy & Rain	FILE COUGAR EXPLOR.

COUGAR EXPLORATION
Ute #1-28
NENW Section 28, T5S, R4W
Duchesne County, Utah

1. GEOLOGIC NAME OF SURFACE FORMATION:

Green River

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Base to 4100' - Green River
4700' to 8700' Wasatch

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS, OR OTHER MINERAL BEARING FMS:

400' Water
5000' Oil and Gas
6000' to Total Depth Oil and Gas

4. CASING PROGRAM:

100' of 13 3/8 Conductor Pipe
1000' of 9 5/8 32 pounds
10000' of 5 1/2 32 pounds

5. BOP PROGRAM: (See attached Figure 3)

- A. 1 10" 900 Series Rotating Head
- B. 1 11" 900 Series Cameron Double Gate
 - 1 Pipe Ram
 - 1 Blind Ram
- C. 1 11" Hydrill
- D. Choke System
- E. BOP's and choke manifold will be installed and pressure tested before drilling out from under surface casing and will be checked daily as to mechanical operating condition.

6. DRILLING FLUID:

Hole will be air drilled. A large rotary air compressor rated at 1500 CFM (1600 psi) will be used to drill hole. If a significant flow of H₂O is encountered, soap mist injection will be used to the 6500' level, then well will be drilled with mud to Total Depth.

7. AUXILIARY EQUIPMENT:

- A. Kelly Cock
- B. Drill Pipe Float
- C. A sub on the floor with a full opening valve to be stabbed into drill pipe.

8. TESTING, LOGGING, OR CORING:

- A. No open hole tests will be run.
- B. Dual induction Laterolog, CNL Density.
- C. Fracturing or other treatment program information not known at present. A program will be submitted prior to operation for approval. A basic frac equipment layout is shown in Exhibit "E".
- D. No coring anticipated.

COUGAR EXPLORATION
Ute #1-28
NENW Section 28, T5S, R4W
Duchesne County, Utah

9. ABNORMAL PRESSURE OR TEMPERATURE:

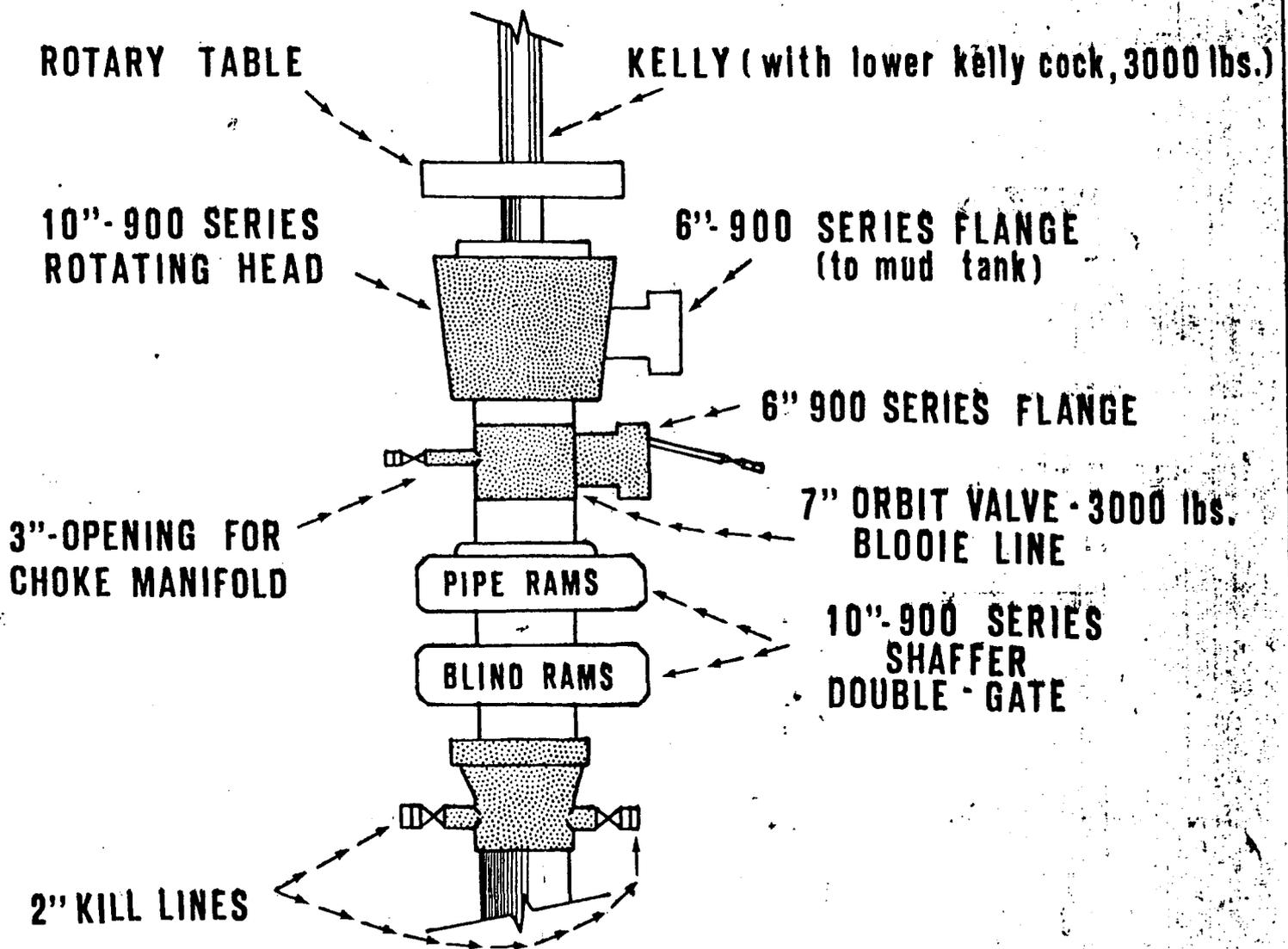
No abnormal pressures or temperatures are anticipated based on information from other drilled holes in the area.

10. STARTING DATE:

February 1, 1981

DENTON BROTHERS DRILLING CO.

BOP STACK



RIG NO. 1

NOT TO SCALE

COUGAR EXPLORATION

13 Point Surface Use Plan

for

Well Location

Ute #1-28

Located in

Section 28, T5S, R4W, U.S.B. & M.

Duchesne County, Utah

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B. & M.

1. EXISTING ROADS

See Topographic Maps "A" & "B".

To reach COUGAR EXPLORATION well location, Ute #1-28, located in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 28, T5S, R4W, U.S.B. & M. from Myton, Utah:

Proceed Westerly out of Myton, Utah along U.S. Highway 40 + 9.2 miles to its junction with an improved county road to the Southwest; proceed Southwesterly along this road known as the Sowers Canyon road 8.8 miles to its junction with an existing county road to the Southwest; proceed Southwesterly along this road 5 miles to its junction with the proposed access road (to be discussed in Item #2).

U.S. Highway 40 is a bituminous surfaced road from Myton to the beginning of the county road. This highway is maintained by state road crews. The county roads described above are dirt roads that were constructed out of the materials accumulated during their construction. These roads are maintained by Duchesne County road crews. There will be no maintenance required along these roads by COUGAR EXPLORATION.

There is no anticipated construction on any of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling, completion, and production phases of this well.

See Topographic Map "B" for the surface ownership in the immediate area of the location.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing road described in Item #1 in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 28, T5S, R4W, U.S.B & M. and proceeds in a Westerly-Northwesterly direction 0.4 miles to the proposed location site.

This proposed road leaves the existing road near the top of a large ridge which separates Brundage Canyon from Nutters Canyon. The grade is relatively flat for the first 400' and then dugways down the North slope of the ridge toward the aforementioned Brundage Canyon. The maximum grade along this road will be 8%. The vegetation along this road consists of Juniper and Pinion Pine, with some sagebrush and grasses.

There will be no culverts required along this planned access road. There are no fences encountered along this road. There will be no cattleguards or new gates required.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B& M.

2. PLANNED ACCESS ROAD - cont...

The proposed access road will have a right-of-way of 30' (15' perpendicular on each side of the centerline).

The proposed access road will be an 18' crowned road (9' either side of the centerline) with drainage ditches on the up hill side of the road where determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to the area.

Back slopes along the cut areas of the road will be 1½ to 1 slopes and terraced.

The road will be centerline flagged prior to commencement of construction.

The grade of this road will vary from flat to 8%, but will not exceed this amount. This road will be constructed from native borrow material accumulated during construction.

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges or at intervals and locations that will provide the greatest sight distance. These turnouts will be 200' in length and 10' wide and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are no known water wells, producing wells, abandoned wells, temporarily abandoned wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one-mile radius of this location site.

4. LOCATION OF EXISTING & PROPOSED FACILITIES

At the present time there are no COUGAR EXPLORATION production facilities, tank batteries, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one-mile radius of this location site.

In the event that production is established at this location site, all production will be contained within the area of the proposed location site. It is not known at this time what future production facilities will be required at this well site. In the event production is established plans will be submitted to the proper authorities in detail stating the proposed containment and transportation of the produced fluids. Any areas required for any future production facilities will be constructed using bull dozers, graders, and workman crews to construct and place the facilities.

If there are any deviations from the above paragraphs, then all appropriate agencies will be notified prior to construction and all necessary requests and applications will be made.

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B. & M.

4. LOCATION OF EXISTING & PROPOSED FACILITIES - cont...

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

5. LOCATION OF AND TYPE OF WATER SUPPLY

See Topographic Map "A".

Water to be used in the drilling of this well will be hauled by truck over the existing road described in Item #1 from the Duchesne River near Bridgeland, Utah, approximately 18 miles by road Northeast of the proposed location site.

If this water source is not used, then the necessary arrangements will be made to acquire the water from other sources and will be hauled by truck over portions of the roads that are described in Item #1 and #2.

The local governmental agencies and any other parties involved will be notified of any deviations and all governing guidelines and regulations will be strictly adhered to.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site and access road will consist of sandy-clay soil and sandstone and shale material gathered during the actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will be approximately 10' deep and at least one-half of this depth shall be below the surface of the existing ground.

One-half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one-half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, and produced fluids, etc..

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B. & M.

7. METHODS FOR HANDLING WASTE DISPOSAL - cont.,,

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

All garbage and other waste material will be contained in a trash basket made of small mesh wire and will be taken to the nearest sanitary landfill for disposal upon completion of the well.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet

All involved agencies shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representative of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make them safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, it shall be stripped and stockpiled, (See Location Layout Sheet). When all drilling and production activities have been completed, the location site will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B. & M.

10. PLANS FOR RESTORATION OF SURFACE - cont...

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around the pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket will be hauled to the nearest sanitary landfill.

As mentioned in Item #7, the reserve pit will be completely fenced and wired with overhead wire and flagging installed. If there is oil in the pits, it will be allowed to dry completely before covering.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site shall be reseeded with a seed mixture recommended by the B.I.A. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area (See Topographic Map "B").

The area is at the Southwest end of the Uintah Basin which is formed by the Book Cliff Mountains and the Green River to the South and the Uinta Mountains to the North. The area is interlaced with numerous canyons and ridges formed in sandstone, cobblerock, conglomerate, and shale deposits.

The majority of the smaller drainages are of a non-perennial nature with normal flow limited to the early spring run-off and heavy thunderstorms or rainstorms of high intensity that last over an extended period of time and are extremely rare in nature as the normal annual precipitation is only 8".

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation, (the Fluvial Sandstone and Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poor gravels and shales and outcrops of rock (sandstone, mudstone, conglomerate, and shale).

Due to the low precipitation average, climatic conditions, and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora, areas of Juniper, Pinion Pine, sagebrush, rabbitbrush, some grasses, and cacti, on the upper benches with cottonwoods, beach, willow, Russian Olives, and grasses along the lower levels close to the wet areas and streams.

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B. & M.

11. OTHER INFORMATION - cont...

The fauna of the area consists predominately of the mule deer, coyotes, rabbits, varieties of small ground squirrels and other types of rodents, and various reptiles common to the area.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area (See Topographic Map "B")

Ute #1-28 sits on a relatively steep side hill which slopes to the Northwest into Brundage Canyon. Brundage Canyon is a non-perennial drainage which drains to the Northeast Sowers Canyon which drains to the Northeast into the Duchesne River. (Perennial).

The ground slopes through this location to the Northwest at approximately a 12% grade into the aforementioned non-perennial drainage.

The immediate area around this location is vegetated by sagebrush and grasses. With some Juniper and Pinion Pine.

All lands that will be damaged by this location site are owned by the Ute Indian Tribe.

There are no occupied dwellings or other facilities of this nature in the general area. There are no historical, or cultural sites within any reasonable proximity of the proposed location site.

It will be determined by a certified archaeologist whether there are any archaeological findings in the immediate area of this location site.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Rance Denton
COUGAR EXPLORATION
Box 2304
Casper, WY. 82601

Tele: 1-307-235-0712

COUGAR EXPLORATION

Ute #1-28

Section 28, T5S, R4W, U.S.B. & M.

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operation proposed herein will be performed by COUGAR EXPLORATION and its contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

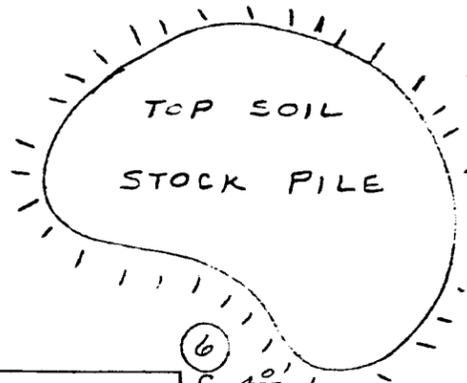
Aug 8, 1980
Date


Rance Denton

COUGAR EXPLORATION

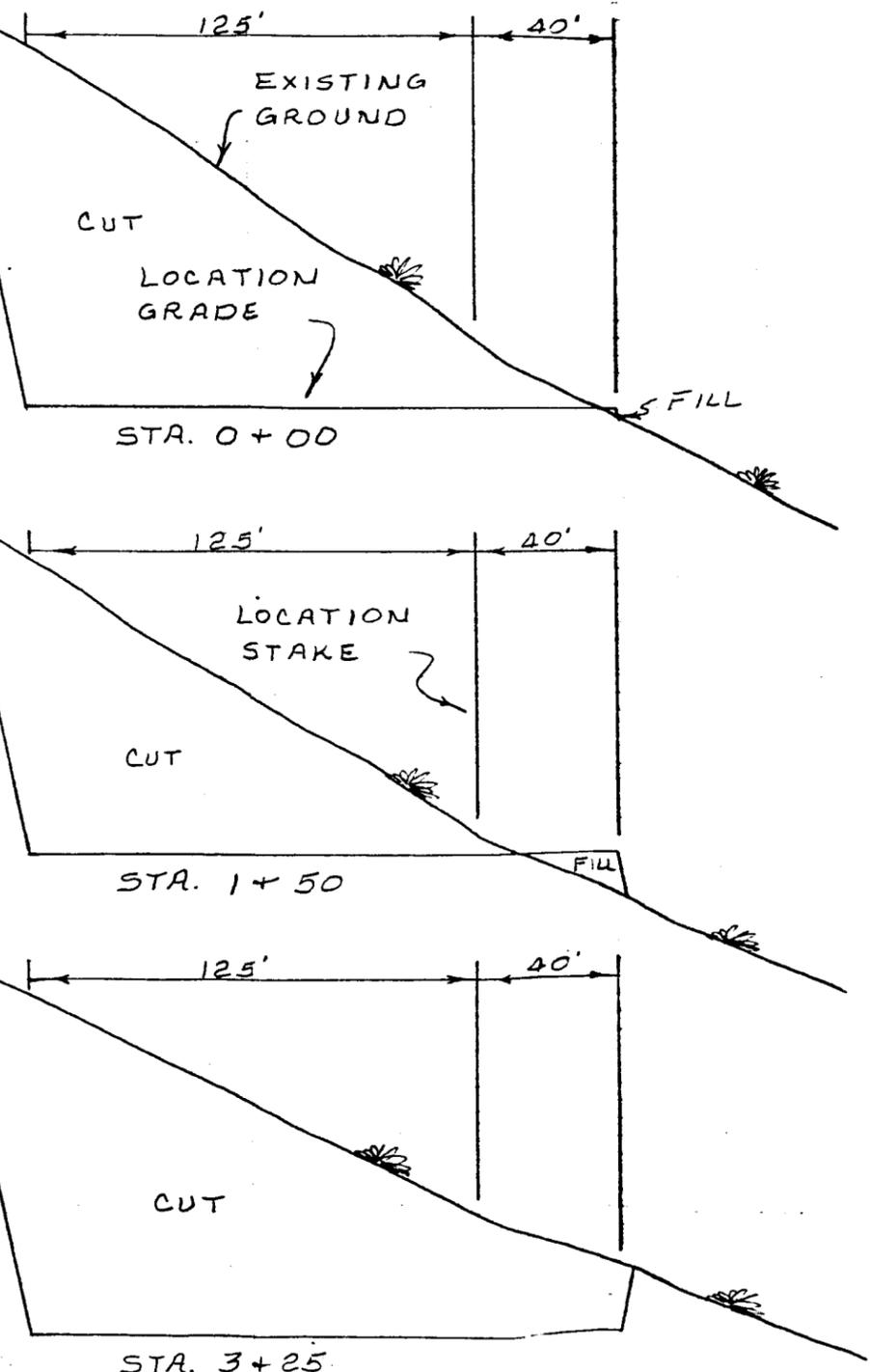
UTE # 1-28

LOCATION LAYOUT & CUT SHEET



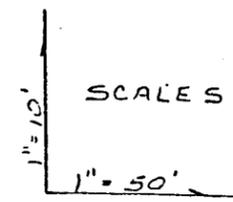
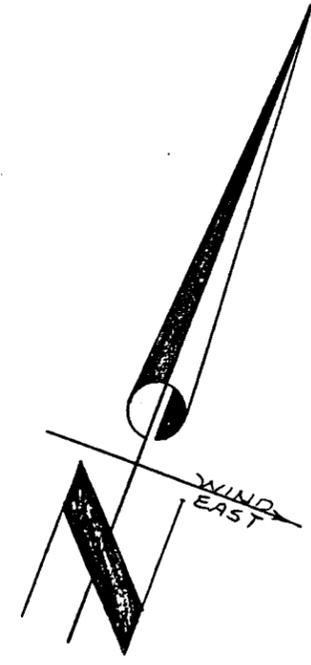
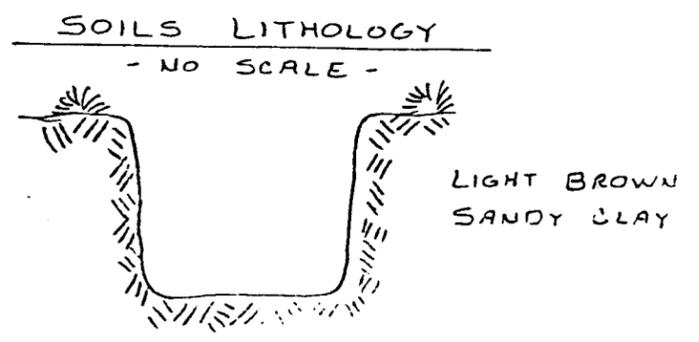
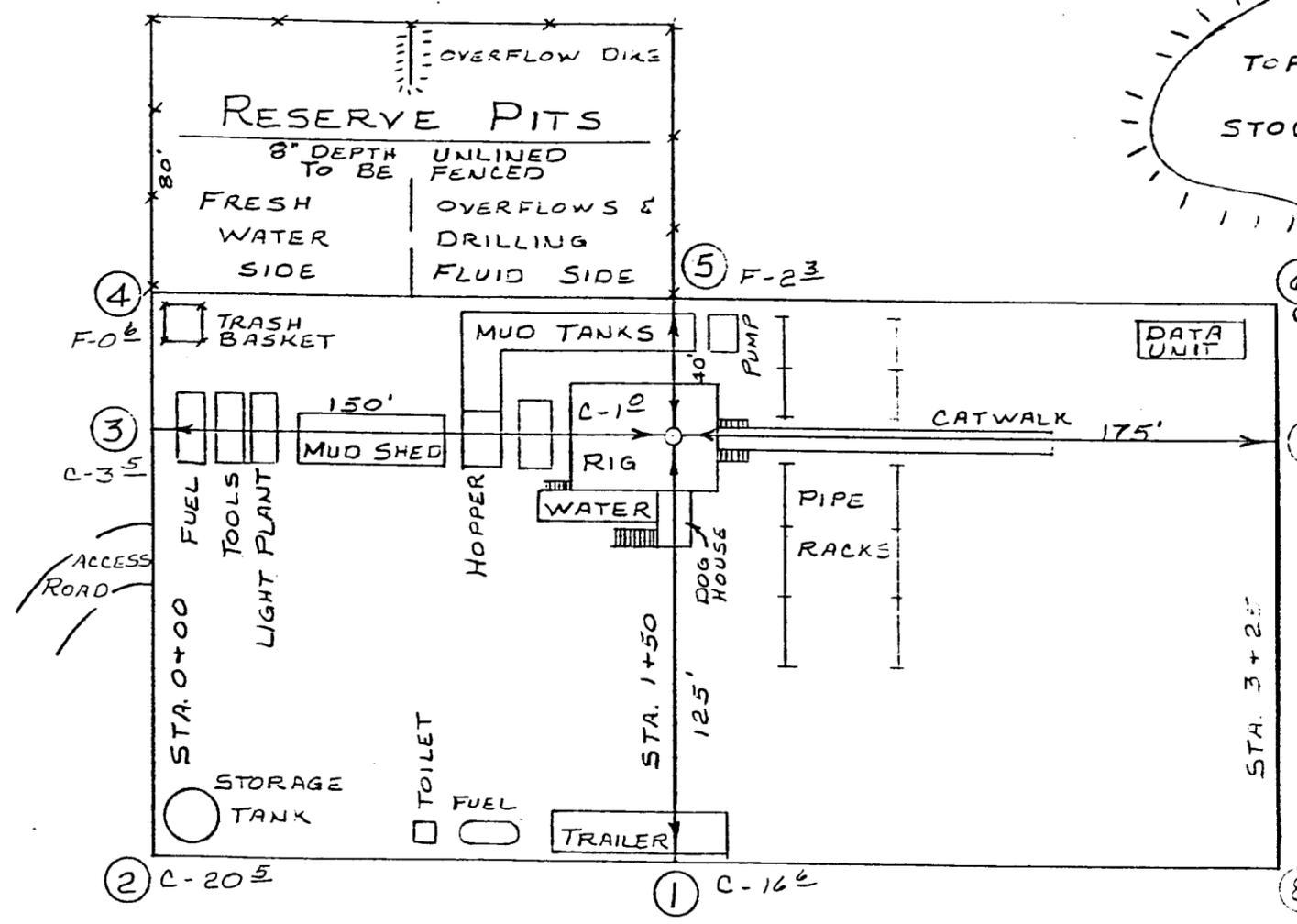
CROSS SECTION

1:1 SLOPE (TYP.)



APPROX. YARDAGES

CUT - 19,354 CU. YDS.
FILL - 216 CU. YDS.



COUGAR EXPLORATION
UTE #1-28

PROPOSED LOCATION

TOPO. MAP "B"

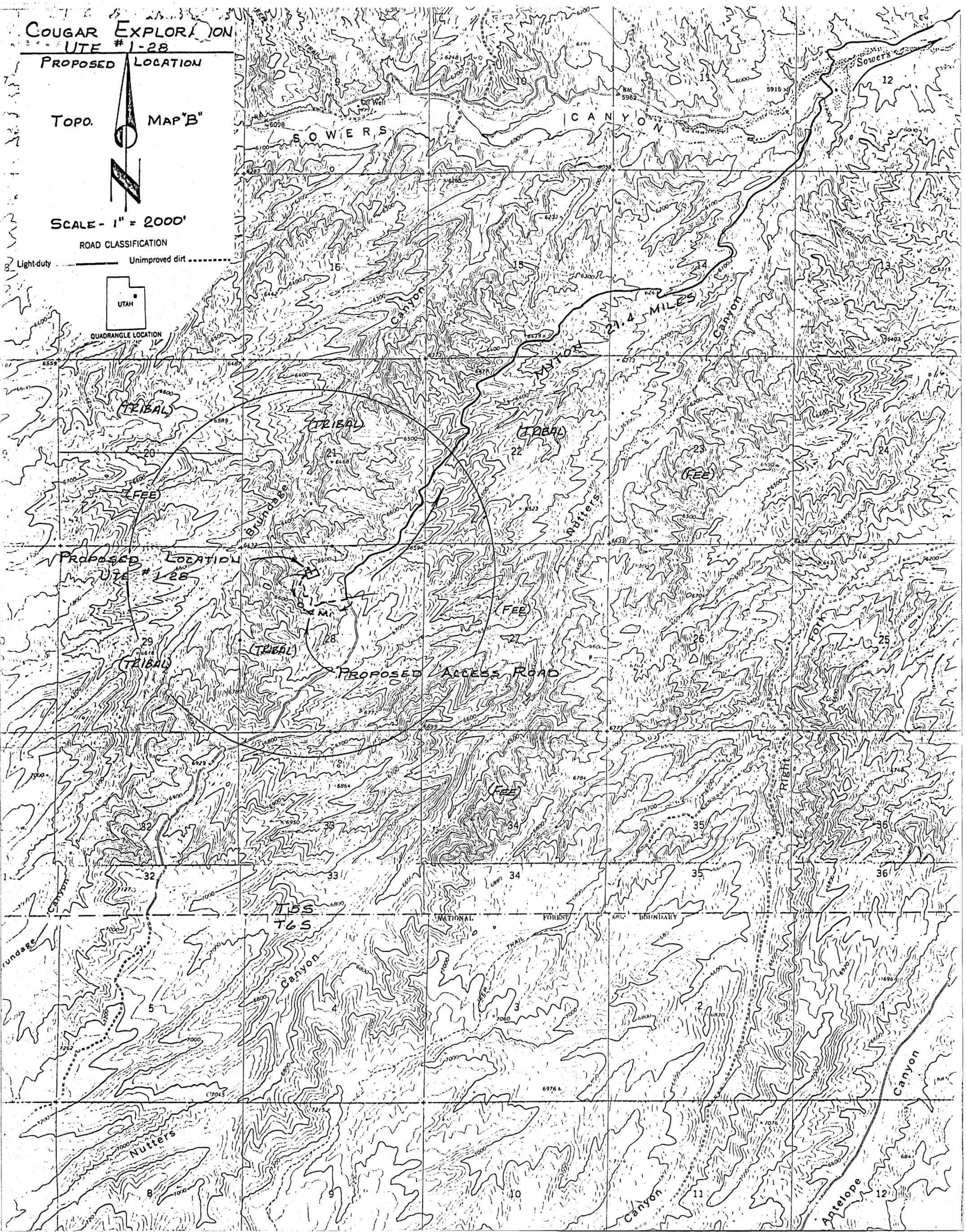
SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty ————— Unimproved dirt - - - - -



QUADRANGLE LOCATION



PROPOSED LOCATION
UTE #1-28

PROPOSED ACCESS ROAD

NATIONAL FOREST BOUNDARY

Antelope Canyon

(TRIBAL)

(TRIBAL)

(TRIBAL)

(FEE)

(FEE)

(TRIBAL)

(FEE)

(FEE)

T6S
T6S

Canyon

Nutters

Canyon

Antelope

Canyon

** FILE NOTATIONS **

DATE: Aug 15, 1980
OPERATOR: Conoco Exploration
WELL NO: Ute #1-28
Location: Sec. 28 T. 5S R. 5W County: Duchone

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-013-30539

CHECKED BY:

Petroleum Engineer: _____

Director: OK Rule C-3

Administrative Aide: _____

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Drill

Plotted on Map

Approval Letter Written

Hot Line

P.I.

August 18, 1980

Cougar Exploration
Box 2304
Casper, Wyoming 82601

RE: Well No. Ute #1-28, Sec. 28, T. 5S, R. 5W., Duchesne County, Utah
Well No. Ute #1-2, Sec. 2, T. 5S, R. 4W., Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil and gas wells are hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
HOME: 876-3001
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are Ute #1-28: 43-013-30539.
Ute #1-2: 43-013-30540.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/bh

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-3428 ~~3441~~
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Ute

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
COUGAR EXPLORATION

DUPLICATE

3. ADDRESS OF OPERATOR
Box 2304 Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement)
At surface
2039 FWL 762 FNL Section 28, T5S, ~~R5E~~ ^{U.S.B. & M.}

At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
21.4 Miles Southwest fo Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
16. NO. OF ACRES IN
762

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
19. PROPOSED DEPTH
10000

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6609

Sept. 15, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	13 3/8"	Conductor Pipe	100'	Cement to Surface
12 1/2"	9 5/8"	32#	1000'	200 Sacks
8 3/4"	5 1/2"	34#	10000'	400 Sacks

15.5#

See 10 Point & Attachments

RECEIVED

NOV 10 1980

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Drilling Superintendent DATE Aug 27 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
(Orig. Sgd.) A. M. RAFFOUL FOR E. W. GUYNN
APPROVED BY _____ TITLE _____ DISTRICT ENGINEER DATE 06 NOV 1980

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

State Oil + Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 COUGAR EXPLORATION

3. ADDRESS OF OPERATOR
 Box 2304 Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 2039 FWL 762 FNL Section 28, T5S, ~~R5W~~ U.S.B. & M.
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 21.4 Miles Southwest fo Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE
 762

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
 10000

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6609

22. APPROX. DATE WORK WILL START*
 Sept. 15, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	13 3/8"	Conductor Pipe	100'	Cement to Surface
12 1/2"	9 5/8"	32#	1000'	200 Sacks
8 3/4"	5 1/2"	34#	10000'	400 Sacks

15.5#

See 10 Point & Attachments

RECEIVED

NOV 10 1980

State of Utah, Department of Natural Resources
 Division of Oil, Gas, and Mining
 1588 West North Temple
 Salt Lake City, Utah 84116

DIVISION OF
 OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Drilling Superintendent DATE Aug 8, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED (Orig. Sgd.) A. M. RAFFOUL FOR E. W. GUYNN DISTRICT ENGINEER DATE 06 NOV 1980

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

State Oil + Gas

DUPLICATE

5. LEASE DESIGNATION AND SERIAL NO.
 14-20-H62-2425-3441

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
 #1-28

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 28, T5S, ~~R5W~~, U.S.B. & M.

12. COUNTY OR PARISH | 13. STATE
 Duchesne | Utah

FROM: : DISTRICT GEOLOGIST ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 14-20-H 62-34

OPERATOR: Cougar Exploration

WELL NO. 1-28

LOCATION: SE 1/4 NE 1/4 NW 1/4 sec. 28, T. 5S, R. 4W, USM

Duchesne County, Utah

1. Stratigraphy: Shamrock oil & Gas reports tops for well drilled in SW 1/4 NE 1/4 Sec. 14 Same T. & R.

KB Elev.
6104'

Surface - Uinta
1025' - Green River
5960' - Wasatch

2. Fresh Water:

Green River fm. may contain fresh/usable water

3. Leasable Minerals:

Prospectively Valuable for oil shale in the Green River Fm; oil rich Mahogany bed is 2300 feet deep.

May contain a 1500' sequence of rock immediately above Mahogany bed that contains pods and beds of saline minerals.

4. Additional Logs Needed:

adequate to identify oil shale

5. Potential Geologic Hazards:

none anticipated

6. References and Remarks:

Cashion, 1969

Signature: Joseph Smeadene

Date: 9-11-70

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Cougar Exploration
Project Type Wildcat Gas Well
Project Location 2039' FWL & 762' FNL, Section 28, T.5S, R.4W
Well No. 1-28 Lease No. 14-20-H62-3441
Date Project Submitted August 13, 1980

FIELD INSPECTION Date September 15, 1980

Field Inspection
Participants Dallas Galley Cougar Exploration
Jack Stews Dirt Contractor
Lynn Hall BIA, Ft. Duchesne
Craig Hansen U.S.G.S., Vernal

Typing In & Out: September 30, 1980, October 23, 1980

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

September 16, 1980
Date Prepared

/s/ Craig M. Hansen
Environmental Scientist

I concur

10/23/80
Date

Craig Hansen
District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)						
Public health and safety	9-28-80 /						9-15-80	9-15-80	
Unique characteristics	/						''	''	
Environmentally controversial	/						''	''	
Uncertain and unknown risks	/						''	''	
Establishes precedents	/						''	''	
Cumulatively significant	/						''	''	
National Register historic places	/						''	''	
Endangered/threatened species	/						''	''	
Violate Federal, State, local, tribal law	/						''	''	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement

Memorandum

To: USGS District Engineer

From: Surface Managing Agency

Subject: Cougar Exploration, well #1-28
in the NENW, Sec. 28, T5S, R4W, USB&M

We (concur with or, recommend) approval of the Application for Permit to Drill the subject well.

Based on available information on 9-15-80, we have cleared the proposed location in the following areas of environmental impact:

Yes No Listed threatened or endangered species

Yes No Critical wildlife habitat

Yes No Historical or cultural resources

Yes No Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment)

Yes No Other (if necessary)

Remarks: _____

The necessary surface protection and rehabilitation requirements are enclosed.

R. Lynn Hall

Enclosure

FY: '80-85

NEGATIVE DECLARATION

APPROVAL BY SECRETARY OF THE INTERIOR OF application for permit to drill
an oil and gas well FROM XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TO Cougar Exploration, XXXXXXXXXXXX COVERING THE FOLLOWING
DESCRIBED TRUST INDIAN LANDS IN Duchesne COUNTY, STATE OF UTAH.

LEGAL DESCRIPTION:

The proposed well site is located 2039 feet from the west line and 762 feet from the north line (NENW) of Section 28., T5S., R4W., USB&M.

The planned access leaves an existing road in the SWNE., Sec. 28., T5S., R4W., USB&M. and proceeds in a westerly direction approximately 0.4 miles to the proposed well site.

OWNERSHIP

Surface Ute Indian Tribe

Sub-Surface Ute Indian Tribe

IT HAS BEEN DETERMINED AFTER REVIEW OF THE ACCOMPANYING ENVIRONMENTAL ANALYSIS, THAT THE APPROVAL OF THIS application IS NOT SUCH A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE QUALITY OF THE HUMAN ENVIRONMENT AS TO REQUIRE THE PREPARATION OF AN ENVIRONMENTAL IMPACT STATEMENT UNDER SECTION 102 (2) (c) OF THE NATIONAL ENVIRONMENTAL POLICY ACTION OF 1969 (42 U.S.C. § 4332 (2) (c)).

9-18-80
DATE

Henry J. Duch
Acting SUPERINTENDENT

FY: '80-85

LEASE NO. 14-20-H62-3441
WELL NO. 1-28 (Cougar Exploration)

UINTAH AND OURAY AGENCY
ENVIRONMENTAL IMPACT ANALYSIS

1. PROPOSED ACTION: Cougar Exploration proposes to drill an oil & gas well (#1-28) to, a proposed depth of 10,000 feet; to construct approximately 0.4 (feet, miles) of new access road; and upgrade approximately None (feet, miles) of existing access road.
2. LOCATION AND NATURAL SETTING: The proposed wellsite is located approximately 22 miles southwest of Myton, Utah in the NENW Sec. 28 T. 5S., R. 4W., USB& meridian. This area is used for grazing by livestock, winter range for deer and hunting. The topography is moderately slopping (12%) with steep hills and canyons nearby. The vegetation consist of stipe, blacksage, winter fat, shadscale galletta, annual mustard and pinyon and juniper trees at edge of site. Wildlife habitat for: X Deer 0 Antelope 0 Elk 0 Bear X Small Mammals X Birds 0 Endangered species X Other rabbits, coyotes, small rodents small reptiles, crows, jays, magpies, raptors, song birds.
3. EFFECTS ON ENVIRONMENT BY PROPOSED ACTION: (1) approximately 3½ acres used for the well site and access road will be cleared of all vegetation. (2) The scenic and aesthetic qualities will be adversely affected. (3) Some disturbance of wildlife (mainly deer) and livestock may occur. (4) Increased erosion will occur where soil is disturbed. (5) Increased hazard of pollution of the run-off water.
4. ALTERNATIVES TO THE PROPOSED ACTION: (1) not drill the well. (2) Relocate well site. (3) Drill well at proposed location.
5. ADVERSE EFFECTS THAT CANNOT BE AVOIDED: (1) None of the adverse effects listed in item #3 above can be avoided. The operator has submitted a 13 point Surface Use and Operating Plan designed to minimize the adverse effects. The plan provides for restoration of all disturbed areas when they are no longer needed.
6. DETERMINATION: This request action (~~XXXX~~) (does not) constitute a major Federal action significantly affecting the quality of the human environment as to require the preparation of an environmental impact statement under Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 U.S.C. s 4332 (2)(c)).

REPRESENTATIVE: Craig Hansen-USGS, Vernal
~~Dallas Galley-Representing Cougar Exploration~~
~~Jack Skewes-Contractor~~
Joe Pinnecoose - Ute Tribe
Ed Kurip - Ute Tribe

R. Lynn Hall 9-16-80
BIA Representative Date

COPY TO:

USGS, P.O. BOX 1037, Vernal, Utah 84078
USGS, Dist, Engr., Cons. Div., 8426 Federal Building., Salt Lake City, Utah
84138

Lease #. 14-20-H62-3441
Well #. 1-28

April 27, 1981

Cougar Exploration
P.O. Box 2304
Casper, Wyoming 82601

Re: Well No. Ute #1-1
Sec. 2, T. 5S. R. 5W.
Duchesne County, Utah

Re: Well No. Ute #1-28
Sec. 28, T. 5S. R. 5W.
Duchesne County, Utah

Gentlemen:

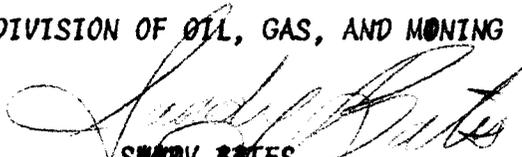
In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan on drilling these locations at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING


SANDY BATES
CLERK-TYPIST

December 28, 1981

Cougar Exploration
P.O. Box 2304
Casper, Wyoming 82601

Re: Well No. Uta #1-2
Sec. 2, T. 5S, R. 4W
Duchesne County, Utah

Well No. Uta # 1-2B
Sec. 2B, T. 5S, R. 5W
Duchesne County, Utah

SM

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen days, we will assume you do not intend to drill these wells, and action will be taken to terminate the application. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND
MINING

Cari Furse
Cari Furse
Clerk Typist

M



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 12, 1982

Cougar Exploration, Inc.
One Denver Place, Ste 1260
999 18th Street
Denver, Colorado 80202

Re: Well No. Ute #1-2
Sec. 2, T. 5S, R. 4W.
Duchesne County, Utah

Well No. Ute 1-28
Sec. 28, T. 5S, R. 5W.
Duchesne County, Utah

Gentlemen:

Approval to drill the above mentioned wells, which was granted in our letter of August 18, 1980 & August 18, 1980, is hereby terminated for failure to spud them within a reasonable period of time.

If and when you should decide to drill these wells, it will be necessary for you to again obtain the approval of this Division.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight _{CF}

Cleon B. Feight
Director

December 28, 1981

Cougar Exploration
P.O. Box 2304
Casper, Wyoming 82601

Re: Well No. Ute #1-2
Sec. 2, T. 5S, R. 4W
Duchesne County, Utah

Well No. Ute # 1-28
Sec. 28, T. 5S, R.5W
Duchesne County, Utah

5W

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen days, we will assume you do not intend to drill these wells, and action will be taken to terminate the application. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND
MINING

Cari Fürse
Clerk Typist

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