

UTAH OIL AND GAS CONSERVATION COMMISSION

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

*** LOCATION CHANGE**

*** LOCATION CHANGE (well never drilled 7-23-91)**

DATE FILED **3-6-80**

LAND FEE & PATENTED STATE LEASE NO PUBLIC LEASE NO **U-15855** INDIAN

DRILLING APPROVED **3-12-80 CW**

SPUDED IN

COMPLETED PUT TO PRODUCING

INITIAL PRODUCTION

GRAVITY API

GOR

PRODUCING ZONES

TOTAL DEPTH

WELL ELEVATION **5562' GR**

DATE ABANDONED **7-23-80** Location Abandoned well never drilled

FIELD **3/86 Monument Butte**

UNIT

COUNTY **DUCHE SNE**

WELL NO **BLACK GOLD #1**

API# **43-013-30526**

LOCATION ***2221-1965'** FT. FROM (S) LINE. **XX** ~~1782~~ **607'** FT FROM (E) ~~XX~~ LINE ~~NW SE~~ ***NE SE** ^{1 4} - 1 4 SEC **24**

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
9S	16E	24	ENSERCH EXPLORATION				

File	<input checked="" type="checkbox"/>	Checked by Chief	_____
Sheet	_____	Copy NID to Field Office	_____
Map Pinned	_____	Approval Letter	_____
Fixed	<input checked="" type="checkbox"/>	Disapproval Letter	_____
State or Fee Land	_____		
COMPLETION DATA:			
Date Well Completed	_____	Location Inspected	_____
OW _____ WW _____ TA _____		Bond released	_____
GW _____ OS _____ PA _____		State of Fee Land	_____
LOGS FILED			
Driller's Log	_____		
Electric Logs (No.)	_____		
E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____			
Lat _____ Mi-L _____ Sonis _____ Others _____			

LWP
3-29-90

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
 Enserch Exploration Incorporated

3. ADDRESS OF OPERATOR
 7701 North Stemmons Freeway, Suite 800, Dallas, Texas 74247

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 2221 FSL 1782 FEL
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 20 Miles South from 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
 1200

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
 6000'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5604'

22. APPROX. DATE WORK WILL START*

5. LEASE DESIGNATION AND SERIAL NO.
 U-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Black Gold #1

9. WELL NO.
 #1

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 24 T9S, R16E, S.1. B. &

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	300'	Sufficient to circulate.
7-7/8"	4-1/2"	10.50#	6000'	Sufficient to cover productive zones.

Operator proposes to drill well to total depth of 6000' with water and salt base mud drilling fluid to test all zones. A 12" x 3000# weld on head and 12" x 3000# double-gate and spherical BOP will be installed and tested to 1000 psi. BOP will be checked daily. If the well is productive, casing will be run. If not, the well will be plugged according to USGS requirements. Location will be restored as per BLM instructions, and a regulation dryhole marker erected.

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 C. H. Peoples TITLE Drilling Manager DATE February 29, 1980
 C. H. Peoples

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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
 Enserch Exploration Incorporated

3. ADDRESS OF OPERATOR
 7701 North Stemmons Freeway, Suite 800, Dallas, Texas 74247

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: 1965 607
ZZZ1 FSL 1702 FEL NESE
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 20 Miles South from 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: 1200

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH: 6000' *Great River*

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5604'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
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RECEIVED

MAR 6 1980

DIVISION OF

OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production 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 C. H. Peoples TITLE Drilling Manager DATE February 29, 1980

(This space for Federal or State office use)

PERMIT NO. 43-013-30526 APPROVAL DATE 12 March 80

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

** FILE NOTATIONS **

DATE: March 6, 1980

Operator: Ensenack Exploration, Inc

Well No: Black Gold #1

Location: Sec. 24 T. 9S R. 16E County: Duchesne

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-013-30526

CHECKED BY:

Geological Engineer: M.S. Minner 3/12/80

Petroleum Engineer: _____

Director: _____

C-3: too close to qtr-qtr line

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 3rd

Plotted on Map

Approval Letter Written

btm

#2

MC
PR

NELSON J. MARSHALL
Phone 789-0272

GENE STEWART
Phone 789-1795

LAWRENCE C. KAY
Phone 789-1125

Utah Engineering & Land Surveying

P.O. BOX Q
VERNAL, UTAH 84078



OFFICE LOCATION
85 SOUTH 200 EAST

PHONE 789-1017

RECEIVED

MAR 10 1980

March 7, 1980

DIVISION OF
OIL, GAS & MINING

Utah State Natural Resources Dept.
Oil, Gas, & Mining Division
1588 West, North Temple
Salt Lake City, Utah 84116

Dear Sir:

Due to severe topography and numerous drainages in the areas of the following locations, Ensearch Exploration Inc. wishes to apply for a variance in spacing.

~~Castle Peak #1~~ NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 10, T9S, R16E, S.L.B.& M.,
staked 1100' FWL 875' FNL

Black Gold #1, NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 24, T9S, R16E, S.L.B.& M.
staked 1782' FEL 2221' FSL

Ensearch does control the lease within a radius of 660 feet of these proposed locations.

Sincerely,



Consultant

GS/dcm

March 14, 1980

Enserch Exploration, Inc.
7701 North Stemmons Freeway, Suite 800
Dallas, Texas 74247

Re: Well No. Black Gold #1, Sec. 24, T. 9S, R. 16E., Duchesne County, Utah
Well No. Castle Peak #1, Sec. 10, T. 9S, R. 16E., Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells on said unorthodox location is hereby granted in accordance with Rule C-3(c), 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
Geological Engineer
Office: 533-5771
Home: 876-3001

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 Black Gold #1 - 43-013-30526;
Castle Peak #1 - 43-013-30527.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/b.m

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

9

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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 DRILL DEEPEN PLUG BACK

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 Enserch Exploration Incorporated

3. ADDRESS OF OPERATOR
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4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
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 1965 FSL 607 FEL. *Location change NESE*

At proposed prod. zone
 Same

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 Approximately 20 Miles South from Myton, Utah

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 6000' *Green River*

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 6000' *Green River*

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 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5568'

22. APPROX. DATE WORK WILL START*

5. LEASE DESIGNATION AND SERIAL NO.
 U-15855

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Black Gold #1

9. WELL NO.
 #1

10. FIELD AND POOL, OR WILDCAT
undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 24, T9S, R16E, S. L.B.

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

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APPROVED BY THE DIVISION
 OF OIL, GAS, AND MINING
 DATE: 4-2-80
 BY: M. J. Minder

RECEIVED
 APR 01 1980

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 C. H. Peoples TITLE Drilling Manager DATE March 25, 1980

(This space for Federal or State office use)

PERMIT NO. 43-013-30526 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

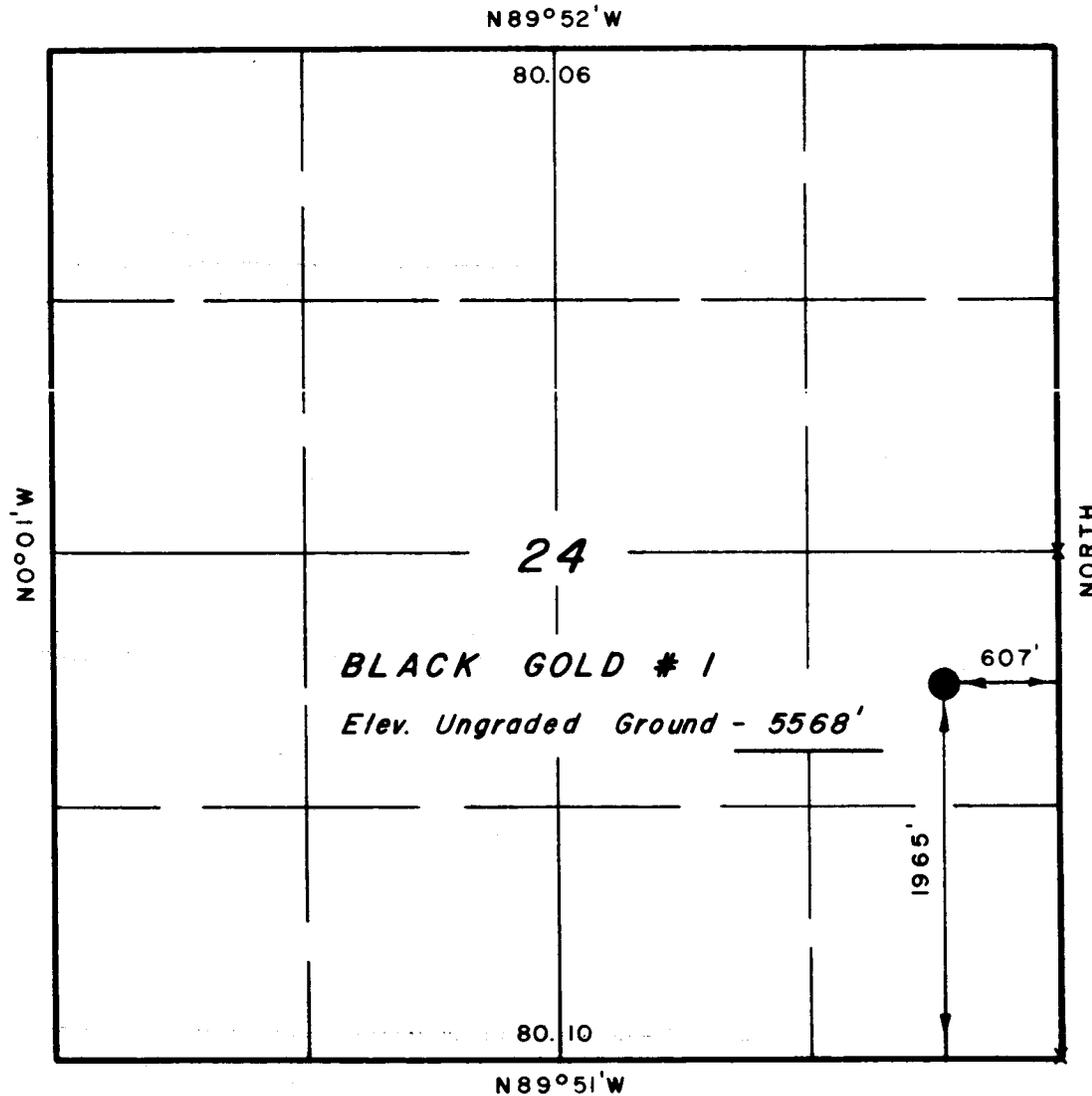
CONDITIONS OF APPROVAL, IF ANY:

T 9 S , R 16 E , S.L.B. & M.

PROJECT

ENSERCH EXPLORATION INC.

Well location, *BLACK GOLD # 1*,
located as shown in the NE 1/4 SE1/4
Section 24, T9S, R16E, S.L.B.&M.
Duchesne County, Utah.



X = Section Corners Located

DIVISION OF
OIL, GAS & MINING

APR 01 1980

REGISTERED



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF 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 Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

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

SCALE 1" = 1000'	DATE 3 / 21 / 80
PARTY S.S. S.H. D.F. S.B.	REFERENCES GLO Plat
WEATHER Clear & Warm	FILE ENSERCH EXPLOR.

1. Geological Name of Surface Formation
 - (A) Uinta Formation of Eocene Age
2. Tops of Important Geological Markers
 - (A) Evacuation Garden Gulch 3677 feet.
 - (B) Douglas Creek Member of Basal Green River Formation (Approx. 4470 Ft.)
3. Estimated Depths of Anticipated Water, Oil or Gas
 - (A) Oil & Gas anticipated in Basal Green River Formation (Douglas Creek) at 4470' to 6000.
4. Proposed Casing Program
 - (A) 300 Ft. of 8 5/8" surface casing A.P.I. 24 Lbs. per Ft. (K-55), 5100 Ft. of 4 1/2" A.P.I. 10.5 lbs. per Ft. (J-55).
All pipe to be purchased as new.
5. Specifications For Pressure Control Equipment
 - (A) 12 inch series 900 Double Hydraulic B.O.P. with Pipe Rams and Blind Rams and Spherical BOP.
 - (B) B.O.P. to be pressure tested before spudding and daily testing of closing units and rams while drilling.
6. Proposed Circulating Medium
 - (A) Brine water is proposed to be used unless additional weight is needed to control pressures or heaving shale. In this event a chemical-gel fresh water mud will be used and Barite as needed to control pressure.
7. Auxiliary Equipment to be Used
 - (A) Upper Kelly Cock
 - (B) Float At Bit
 - (C) Floor T.I.W. Valve (stabbing valve) for drill pipe
 - (D) Gas Detector Logging Unit

8. Testing, Logging and Coring Program

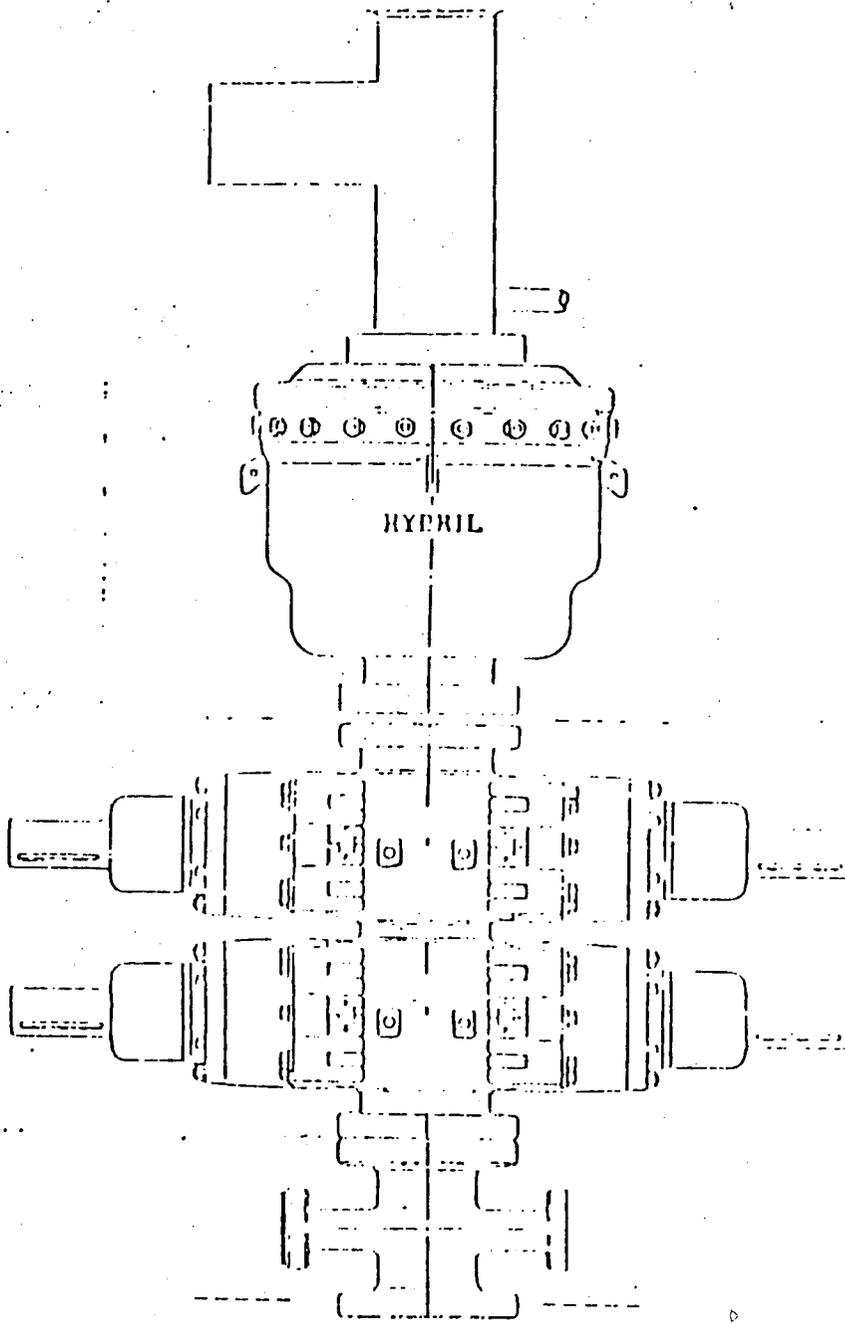
- (A) Drill Stem Test of Evacuation Creek and Douglas Creek
- (B) Dual lateralog, BHC, and CNL - FDC with Gamaray

9. Anticipated Abnormal Pressures, Temperatures or Hazards

- (A) No abnormal pressures expected
- (B) No Hydrogen Sulfide Gas expected

10. Starting Date and Duration of Operations

- (A) Anticipated starting date as soon as Rig becomes available Black Gold #1.
- (B) This well is anticipated to be drilled in approximately 30 days.



Rotating Head if
required furnished
by Operator

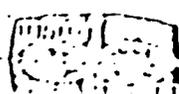
12" 3000 PSI WP Hyd.
after initial press.
test all additional
rubber packing unit
be furnished by
Operator

12" 3000 PSI WP
Shaffer Type E
Double Ram
No Outlets

12" 3000 PSI WP
Drilling Spool

Operator Equipment

All Contractor Equip-
ment not trimmed for
H₂S service.

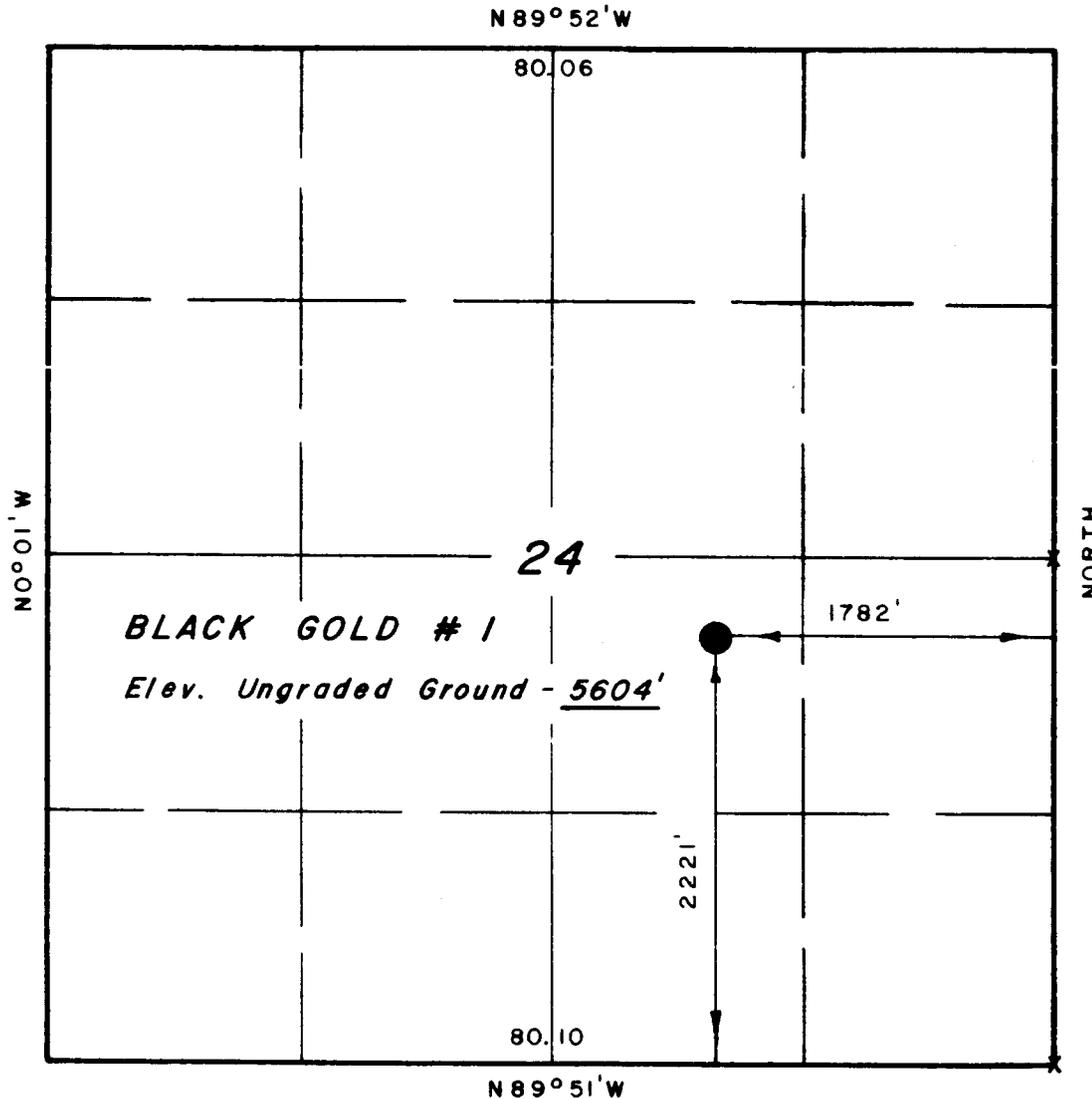


PROJECT

ENSERCH EXPLORATION INC.

Well location, *BLACK GOLD # 1*,
located as shown in the NW 1/4
SE 1/4 Section 24, T9S, R16E,
S.L.B. & M. Duchesne County, Utah.

T 9 S, R 16 E, S.L.B. & M.



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.

Thomas J. ...
 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
		2 / 25 / 80
PARTY	N.M. D.D. S.B.	REFERENCES
		GLO Plat
WEATHER	Cloudy, Cold, Melting	FILE
		ENSERCH EXPLOR.

ENSERCH EXPLORATION INCORPORATED

13 Point Surface Use Plan

For

Well Location

Black Gold #1

Located In

Section 24, T9S, R16E, S.L.B. & M.

Duchesne County, Utah

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

1. EXISTING ROADS

To reach Enserch Exploration Inc. well location, Black Gold #1 located in the NW¼ SE¼, Section 24, T9S, R16E, S.L.B. & M., Duchesne County, Utah; proceed Southwesterly out of Myton, Utah along U.S. Highway 40 - 1.5 miles to the junction of this Highway and Utah State Highway 53 - 216, to the South; proceed Southerly along this highway 1.5 miles more or less, to the intersection of Utah State Highway 53 and Utah State Highway 216, thence proceed Southeasterly along Utah State Highway 216 - 10.5 miles to the junction of this road and an existing road to the Southwest; proceed Southwesterly along this service road 2.9 miles to its junction with a road to the Southwest; proceed Southwesterly along this road 1.2 miles to the proposed location site.

The Highways mentioned in the foregoing paragraph are bituminous surfaced roads up to the intersection of Utah State Highway 53 and 216, at which point Utah State Road 216 is constructed out of existing native materials that are prevalent to the existing areas it is located in and ranges from clay to a sandy-clay shale material, as are the aforementioned dirt oil field service roads and other roads in the vicinity.

The last 1.2 miles of the above described road will need to be upgraded to meet the requirements of Item #2. Also a small portion of this existing road will be rerouted around the South side of the location site.

There is no anticipated construction on any other portions of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and production phase of the well will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

There will be no planned access road to this location site. However as stated in Item #1 parts of the existing road will need to be upgraded and there will be some minor re-routing.

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

This existing access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

2. PLANNED ACCESS ROAD - continued

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

The road will be centerline flagged prior to the 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 accumulated during construction.

There will be no culverts required along this access road.

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' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate, either leaving or entering the proposed access road.

The vegetation along this route consists of sparse amounts of sagebrush, rabbitbrush, some grasses and cacti with large areas that are devoid of vegetation.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

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

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no Enserch Exploration Inc. tank batteries, production facilities, 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, plans for a flowline from this location to existing lines in the area will be submitted to the proper authorities and the existing area of the location will be utilized for the establishment of the necessary production facilities.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources.

These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.

If there is any deviation from the above, all appropriate agencies will be notified.

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

Water to be used for the drilling and production of this well will be hauled by truck from the Duchesne River, at a point where Highway 40 crosses it North of Myton, Utah, approximately 17.5 miles to the Northeast of the proposed location site.

In the event that the above source is not used other arrangements will be made with the proper authorities for an alternate source.

All regulations and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

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

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

6. SOURCES OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow materials accumulated during the construction of the location site and access road. No additional road gravels or pit lining materials 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 a sandy-clay soil and sandstone and shale material gathered in actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. Non-flammable materials such as cuttings, salts, chemicals, etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the reserve pit will be fenced on three sides. Upon completion of drilling, the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted. A portable toilet will be supplied for human waste.

A trash basket will be provided for flammable materials. Waste will be hauled by truck to the nearest sanitary landfill.

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.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #6, the pits will be unlined unless it is determined by the representatives 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 it safe and tight.

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 4' of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager 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 "A").

The area is a basin that lies between the Book Cliff Mountains to the South and the Uintah Mountains to the North. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstones, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial streams and flow to the Southeast and are tributaries to the Green River.

The soils of the semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial, Sandstone, Mudstone) from the Eocene and Quaternary Epoch (gravel surfaces) and the visible geologic structures consist of light brownish clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

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 sagebrush, rabbitbrush, some grasses, and cacti, and large areas of bare soils devoid of any growth. In the areas that are formed along the edges of perennial streams cottonwoods, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

11. OTHER INFORMATION - continued

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and 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 sparrow, 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").

Black Gold #1 location site sits on a sloping hillside above a non-perennial drainage. The Green River is located approximately 14 miles to the East of the location.

The geologic structure of the location is of the Uinta Formation and consists of light brownish - gray sandy clay (SP-CL) with some sandstone outcrops.

The ground slopes from the Southwest through the location to the Northeast at approximately a 4% grade.

The location is covered with some sagebrush and grasses.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Carl Peeples - Drilling Manager
7701 North Stemmons Freeway
Suite 800
Dallas, Texas 74247

Telephone: 1-214-630-8711

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.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 this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Enserch Exploration Inc. and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

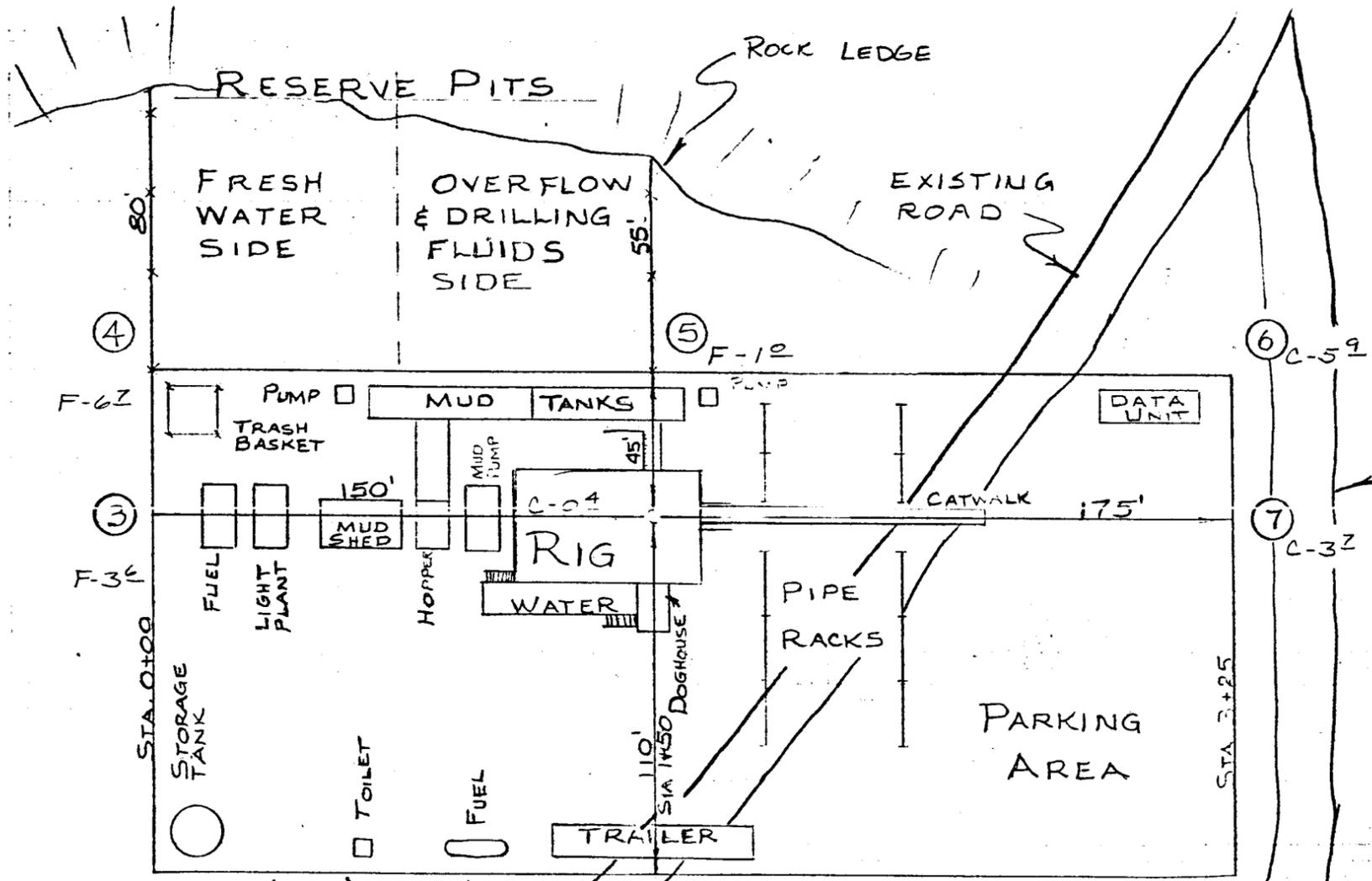
Date

Feb. 29, 1980

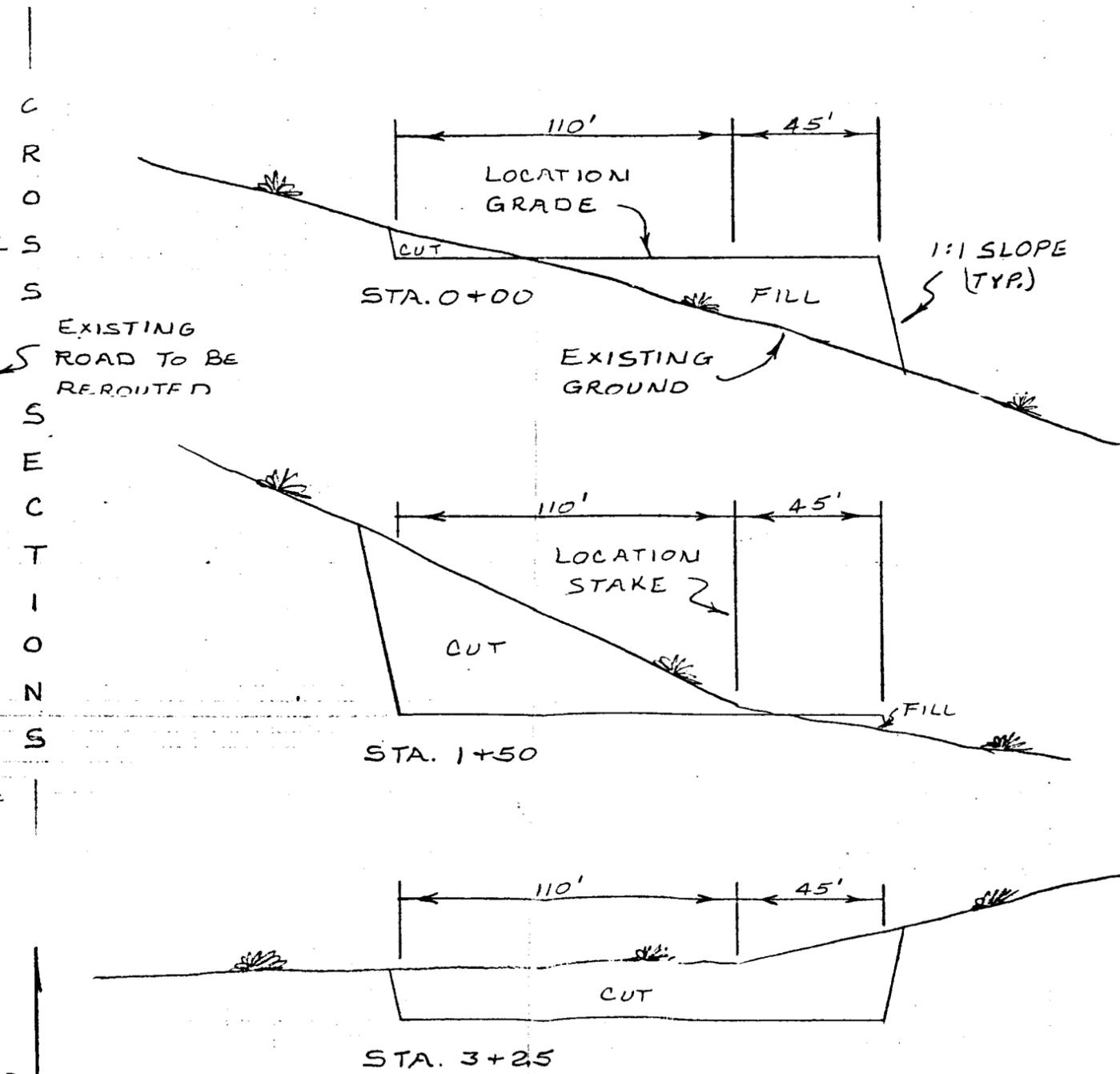
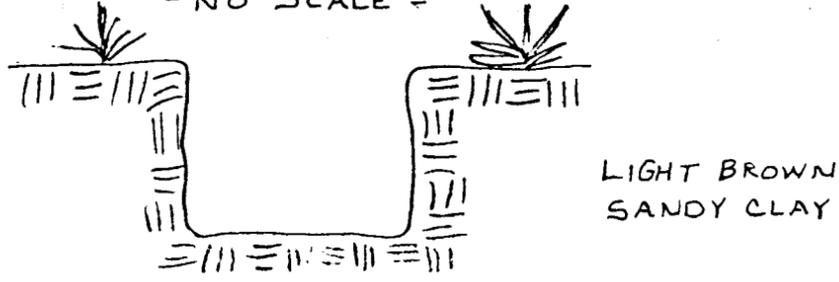
C. H. Peoples
C. H. Peoples
Regional Drilling Manager

ENSERCH EXPLORATION INC.

BLACK GOLD #1
LOCATION LAYOUT & CUT SHEET



SOILS LITHOLOGY
- NO SCALE -



1" = 10'
1" = 50'

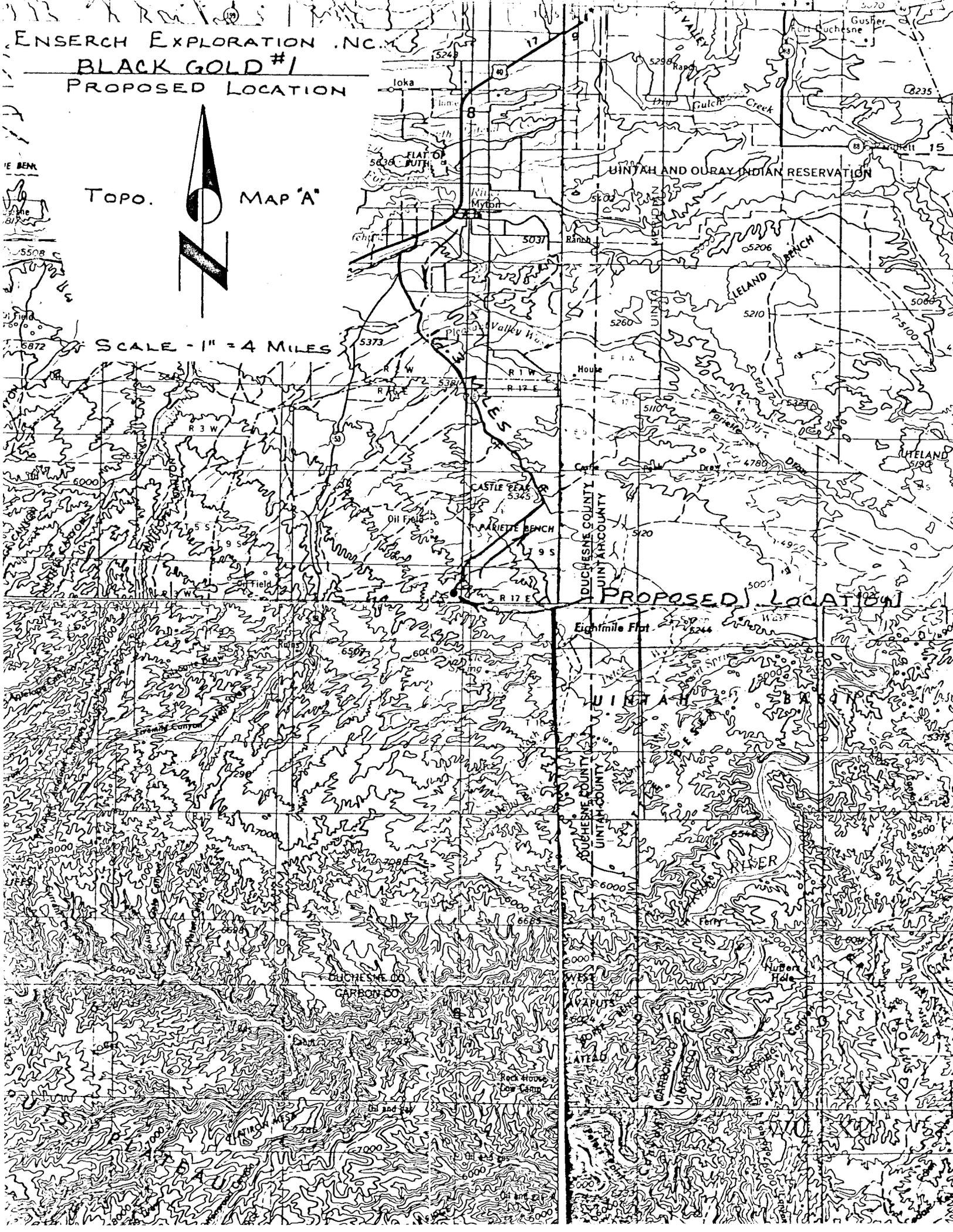
APPROX YARDAGES
CUT - 6283 CU. YDS.
FILL - 1,152 CU. YDS.

ENSERCH EXPLORATION .N.C.M.
BLACK GOLD #1
PROPOSED LOCATION

TOPO. MAP "A"



SCALE - 1" = 4 MILES



ENSERCH EXPLORATION INC.
BLACK GOLD #1
PROPOSED LOCATION

TOPO. MAP "B"



SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty road, all weather, Improved surface
Unimproved road, fair or dry weather



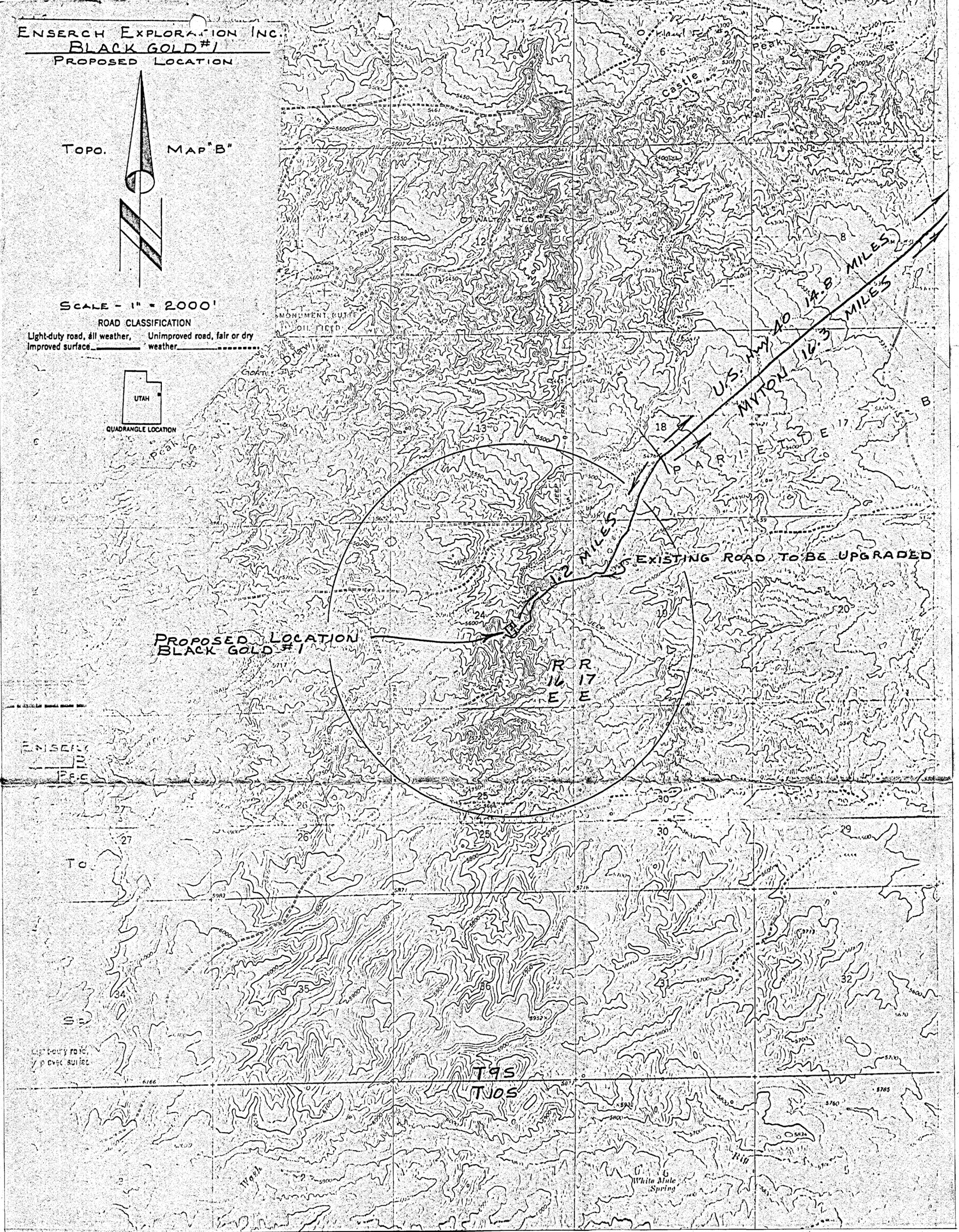
UTAH
QUADRANGLE LOCATION

PROPOSED LOCATION
BLACK GOLD #1

ENSERCH
INC.
PERC

To

Light-duty road,
no paved surface



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE

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
 Enserch Exploration Incorporated

3. ADDRESS OF OPERATOR
 7701 North Stemmons Freeway, Suite 800, Dallas, Texas 74247

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1965 FSL 607 FEL
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 20 Miles South from Myton, Utah

16. 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
 1200

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
 6000'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5568'

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/2"	8-5/8"	24#	300'	Sufficient to circulate.
7-7/8"	4-1/2"	10.50#	6000'	Sufficient to cover productive zones.

Operator proposes to drill well to total depth of 6000' with water and salt base mud drilling fluid to test all zones. A 12" x 3000# weld on head and 12" x 3000# double-gate and spherical BOP will be installed and tested to 1000 psi. BOP will be checked daily. If the well is productive, casing will be run. If not, the well will be plugged according to USGS requirements. Location will be restored as per BLM instructions and a regulation dryhole marker erected.

RECEIVED
 JUN 25 1980

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

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 C. H. Peoples TITLE Drilling Manager DATE March 25, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ FOR E. W. GUYNN DISTRICT ENGINEER DATE _____

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
 TO OPERATOR'S COPY
 *See Instructions On Reverse Side

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

NOTICE OF APPROVAL
 ut state O+G

Oil and Gas Drilling

EA #345-80

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

Usual Environmental Analysis

Date: April 28, 1980

Operator: Enserch Exploration Inc. Project or Well Name and No.: Black Gold #1
Location: 1965' FSL & 607' FEL Sec.. 24 T.: 9S R.: 16E
County. Duchesne State: Utah Field/Unit: Wildcat
Lease No.: U-15855 Permit No.. N/A

Joint Field Inspection Date: April 24, 1980

Prepared By: Grey Darlington

Field Inspection Participants, Titles and Organizations:

Grey Darlington	USGS-Vernal
Gary Slagel	BLM-Vernal
Gene Stewart	Enserch Exploration Inc.
Leonard Heeney	Ross Construction

Related Environmental Analyses and References:

Unit Resource Analysis, Duchesne Planning Unit, BLM, Vernal.

rk/5/6/80

*Admin Council?
Pit 145 x 500
Pit 55 x 150
1700' x 18' road access
Stomix? in
CIC Sur CS9?
Arch clear?
Cond 7 APPR BF 7
1-3*

DISCRIPTION OF PROPOSED ACTION

Proposed Action.

1. Location State: Utah
 County: Duchesne
 1965' FSL, 607' FEL, NE 1/4 SE 1/4
 Section 24, T 9S, R 16E, S 1 M
2. Surface Ownership Location: Public
 Access Road: Public

Status of Reclamation Agreements: Adequate for the requirements of NTL-6. Further consultation will occur between the operator and the BLM, when the appropriate time to begin restoration and reclamation activities arrives.

3. Dates APD Filed: April 1, 1980.
 APD Technically Complete: April 11, 1980.
 APD Administratively Complete: April 1, 1980 .

4. Project Time Frame

Starting Date: Spring 1980 as soon as Rig becomes available.

Duration of Drilling activities: 30 days.

A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered. If a dry hole is drilled, recontouring and reseeding would normally occur within one year, revegetation or restoration may take several years. If the well is a producer, an indefinite period of time would occur between completion and rehabilitation.

5. Related actions of other federal or state agencies and Indian tribes:
 None known
6. Nearby pending actions which may affect or be affected by the proposed action:
 None known
7. Status of variance requests:
 None known

The following elements of the proposed action would/could result in environmental impacts:

1. A drill pad 145' wide x 300' long and a reserve pit 55' x 150' would be constructed. Approximately 1700 feet of new access road, averaging 18' driving surface, would be constructed and approximately .9 miles of existing road would be improved to 18' wide of driving surface from a maintained road. 1.9 acres of disturbed surface would be associated with the project. Maximum disturbed width of access road would be limited to 30 feet.

About 1000 feet of 1700 feet of new road would follow or parallel an existing pipeline right of way and suitable agreement would be reached between Enserch and the pipeline company officials regarding this.

2. Drilling would be to a proposed depth of 6000 feet.
3. Waste disposal
4. Traffic
5. Water requirements
6. Completion
7. Production
8. Transportation of hydrocarbons
9. Other

Details of the proposed action are described in the Application for Permit to Drill.

The access road was changed per the attached map to maintain a better grade, avoid the reserve pits and eliminate the need for a 24" culvert. This new road would provide for an easier access to the proposed pad. It was flagged at the onsite.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography: The location is an a small flat area near gently rolling hills. A long narrow rock outcrop borders the West side of the proposed pad.

PARAMETER

A. Geology

1. Local Mineral Resources to be Protected: Oil shale is thought to be present in the area. There are stipulations in the lease to protect it. Executive order 5327 covering oil shale withdrawal lands cover all lands in this lease.

Information Source: Lease stipulations attached with APD. Mineral Evaluation Reports for nearby wells.

2. Hazards:

a. Land Stability: The location and access would be built on soils of the Uinta Formation. This would provide adequate stability on the relatively flat surface of the proposed location for the proposed project.

Information Source: APD and Field Observation.

b. Subsidence: Some minor subsidence could occur with the withdrawal of oil, gas, oil shale, or water. This is not likely to be significant hazard for several years.

Information Source: Field Observation.

c. Seismicity: The location is in an area of minor seismic risk.

Information Source: Geologic Atlas of the Rocky Mountain Region, 1972, "Earthquakes ^{of Records} and Interpreted Seismicity 1852-969" Rocky Mountain Associates of Geologist.

d. High Pressure Zones/Blowout Prevention: There are no high pressure zones anticipated for the proposed operation. BOP equipment and testing procedures are described in the APD.

Information Source: APD

B. Soils:

1. Soil Character: The soil is a gray sandy clay (SP-CL) with some sandstone outcrops.

Information Source: APD

2. Erosion/Sedimentation: The ground slopes from the Southwest through the location at approximately a 3% grade. There is not likely to be any significant erosional problems involved.

Information Source: APD and Field Observation.

C. Air Quality: Temporary impacts would occur during construction and drilling activities. These would probably all be minor.

Information Source: Field Observation.

D. Noise Levels: Temporary impacts would occur during construction and drilling activities. These would probably all be minor.

Information Source: Field Observation

E. Water Resources

1. Hydrologic Character

a. Surface Waters: The location is on a sloping hillside above a nonperennial drainage which proceeds to the Green River about 14 miles East of the location.

Information Source: APD

b. Ground Waters: The well will be drilled with Brine water based circulating medium, unless additional mud weight control is needed for leaving shale or abnormal pressures. There are no fresh water zones anticipated.

Information Source: APD

2. Water Quality

a. Surface Waters: The location is not likely to pose any significant hazard to any surface waters. There are no surface waters near the location and the topography and soil structure indicate that it should be relatively easy to construct a suitable reserve pit.

Information Source: Field Observation

b. Ground Waters: The operator proposes 300 feet of surface casing. Efforts would be made to minimize any commingling of drilling fluids with useable ground water aquifers.

Information Source. APD

F. Flora and Fauna

1. Endangered and Threatened Species Determination

Based on the BLM comments received from Vernal BLM on April 28, 1980, we determine that there would be no effect on endangered and threatened species and their critical habitat.

2. Flora: Vegetation consists of sagebrush, rabbit brush, shad scale, cacti, and native grasses.

Information Source: Field Observation.

3. Fauna: Consist of mule deer, coyotes, pronghorn antelope, rabbits, ground squirrels, small rodents, various reptiles common to the area, and various birds such as a raptors, magpies, finches, ground sparrows, crows and jays.

Information Source: APD

Land Uses

1. General: The area is used primarily for grazing sheep and cattle. Several other wells have been drilled or proposed in nearby sections to the Northeast of the proposed location.

Information Source: Field Observation

2. Affected Floodplains and/or Wetlands. None

Information Source Field Observation

3. Roadless/Wilderness Area: The area is not in a Roadless/Wilderness area.

Information Source: BLM-Wilderness Inventory Map of Utah August 1979.

H. Aesthetics: The construction and possible production facilities on this location would not pose a serious aesthetic intrusion in this desert sheep pasture.

Information Source: Field Observation

I. Socioeconomics: The drilling of this one well is not likely to have a significant effect on socioeconomics of the area. Successful completion would encourage various cumulative effects of further development.

Information Source: Field Observation

J. Cultural Resources Determination: Based on the BLM comments received from Vernal BLM on April 28, 1980, we determine that there would be no effect on cultural resources subject to an archaeological clearance conducted by Archaeological- Environmental Research Corporation of the proposed drill site and access road.

Information Source. BLM Stipulations letter of April 25, 1980.

K. Other:

Information Source:

L. Adequacy of Restoration Plans: Adequate for NTL-6. Further consultation with the BLM will occur when the time comes to implement restoration and rehabilitative procedures as requested in the BLM Stipulations.

Information Source: APD and NTL-5 and BLM Stipulations.

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.

2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

Adverse Environmental Effects:

1. If approved as proposed:

- a. About 1.9 acres of vegetation would be removed, increasing and accelerating erosion potential.
- b. Pollution of groundwater systems would occur with the introduction of drilling fluids into the aquifer(s). The potential for interaquifer leakage and lost circulation is ever-present, depending on the casing program.
- c. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.
- d. The potential for fires, leaks, spills of gas and oil or water exists.
- e. During construction and drilling phases of the operation, noise and dust levels would increase.
- f. Distractions from aesthetics during the lifetime of the project would exist.
- g. Erosion from the site would eventually be carried as sediment in the Green River. The potential for pollution to Green River would exist through leaks and spills.
- h. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.
- i. Other:

2. Conditional Approval:

- a. All adverse impacts described in section one above would occur.

Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

1. See attached Lease Stipulations.
2. See attached BLM Stipulations.
3. Any requested logs for the proposed drilling and operations requested by the Mineral Evaluation Report, Oil Shale Office, or Mining Report will be furnished by the Operator as requested.

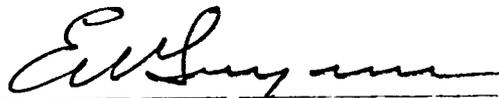
Controversial Issues and Conservation Division Response:

None presently involved.

We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

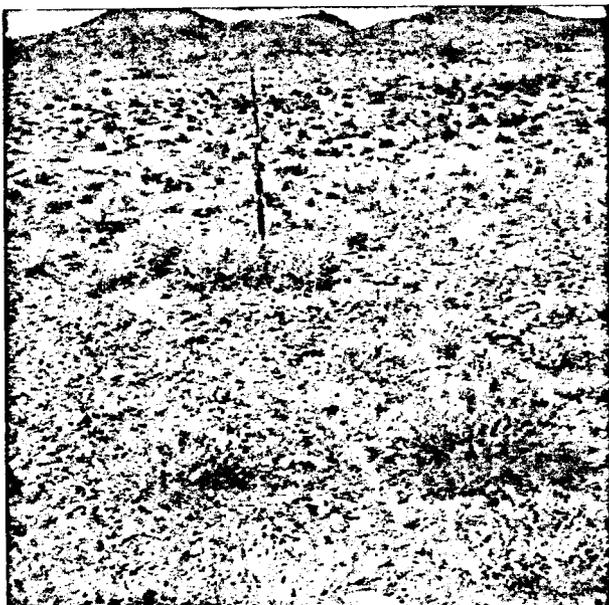
Determination:

I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102 (2)(C).

 DISTRICT ENGINEER

Signature & Title of Approving Official

MAY 09 1980
Date



South View
Enserch Black Gold #1 Sec 24
T 9 S, R 16 E 4-24

STIPULATIONS FOR LANDS IN OIL SHALE WITHDRAWAL,
EXECUTIVE ORDER 5327 OF APRIL 15, 1930

The lessee under the above oil and gas lease hereby agrees that the following agreement and stipulations are by this reference incorporated as terms and conditions of said lease as to the following lands:

All the lands in the lease.

The lessee agrees that:

1. No wells will be drilled for oil or gas except upon approval of the Regional Oil and Gas Supervisor of the Geological Survey, it being understood that drilling will be permitted only in the event that it is established to the satisfaction of the Supervisor that such drilling will not interfere with the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods or that the interest of the United States would best be served thereby.
2. No wells will be drilled for oil or gas at a location which, in the opinion of the Regional Oil and Gas Supervisor of the Geological Survey, would result in undue waste of oil shale deposits or constitute a hazard to or unduly interfere with mining or other operations being conducted for the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods.
3. When it is determined by the Regional Oil and Gas Supervisor of the Geological Survey that unitization is necessary for orderly oil and gas development and proper protection of oil shale deposits, no well shall be drilled for oil or gas except pursuant to an approved unit plan.
4. The drilling or the abandonment of any well on this lease shall be done in accordance with applicable oil and gas operating regulations including such requirements as the Regional Oil and Gas Supervisor of the Geological Survey may prescribe as necessary to prevent the infiltration of oil, gas or water into formations containing oil shale deposits or into mines or workings being utilized in the extraction of such deposits.

STIPULATION

As to lands administered by the Bureau of Land Management under the above oil and gas lease, the lessee hereby agrees that the following stipulations are by this reference incorporated as terms and conditions of said lease:

Before undertaking any exploratory operations involving use of bulldozers, earth-moving, or similar mobile equipment which may result in scarring of public lands, damaging surface resources, or inducing erosion thereon, he or his designee shall submit in writing to the Bureau of Land Management District Manager in the District in which the land is located, advance notice of such operation. Said operations include but are not limited to exploratory drilling, construction of access roads or airstrips, and the conduct of seismic operations.



United States Department of the Interior

IN REPLY REFER TO

T & R
U-801

BUREAU OF LAND MANAGEMENT
Vernal District Office
170 South 500 East
Vernal, Utah 84078

April 25, 1980

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Enserch Exploration Inc.
Black Gold #1, T9S, R16E,
Section 24, U-15855

Dear Mr. Guynn:

On April 24, 1980, a joint field examination was made of the above referenced well site location and the proposed access road. We feel that the surface use and operating plans are adequate with the following comments:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes, shall be in accordance with surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads (both existing and planned) will be 24 feet total disturbed area, except where backslope and fills require additional area. Turnouts will not be required and traveling off the right-of-way will not be allowed.
3. The access road will enter the drill pad between points 7 and 8 instead of between points 2 and 3.
4. Topsoil will be stockpiled as addressed in the applicants 13 Point Surface Use Plan. The BLM recommends that the top 8-10 inches of topsoil materials be stockpiled.
5. A burn pit will not be constructed. There will be no burying of garbage or trash at the well site. All trash and garbage must be contained and hauled to an approved disposal site.



6. The BLM will be notified at least 24 hours prior to any construction.

7. A wire mesh or net type of fence will be used around the reserve pit.

8. The BLM will be notified at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.

An archaeological clearance has been conducted by Archaeological-Environmental Research Corporation of the proposed drill site and access road. No cultural materials were located.

The proposed activities do not jeopardize listed, threatened or endangered flora/fauna and their habitats.

Sincerely,



Ralph J. Heft
Area Manager
Diamond Mountain
Resource Area

cc: USGS, Vernal



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

Greg
4/7/80
1
24-95-16E
Duchesne County
Enserch
E.A.# 345-80

Mr. Peter Rutledge
Area Oil Shale Supervisor
Area Oil Shale Office
131 North Sixth, Suite 300
Grand Junction, Colorado 81501

Dear Mr. Rutledge,

The Office of Oil and Gas Operations, Conservation Division, received the attached Application for Permit to Drill, Deepen, or Plug Back (Form 9-331C).

Please review this proposal for any conflict with any of the resources in the oil shale tracts and withdrawal areas. If needed, set forth the stipulations you determine necessary for adequate protection. Please use the following space for your response (if there is none, so state), together with date and initials of person responsible and return to the Office of Oil and Gas Operations.

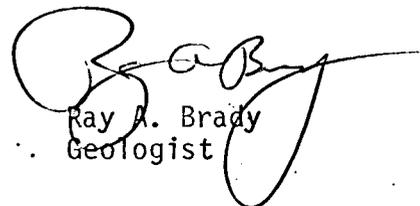
U.S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Enserch #1

April 17, 1980

The proposed program only addresses sufficient cement to cover productive zones. The cementing program for the 4½" casing should be revised to provide protection of the top and base of the Green River oil shale section. Of special concern is protection of the Mahogany Zone.

It appears that casing will only be run if the well is productive. Plugging operations should also insure protection of the top and base of the oil shale section and a cement interval across the Mahogany Zone.


Ray A. Brady
Geologist

FROM: DISTRICT GEOLOGIST, M SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. CC 15-855

OPERATOR: Ensearch

WELL NO. 1

LOCATION: 1/2 NE 1/2 SE 1/2 sec. 24, T. 7S, R. 16E, SLM

Duchesne County, Utah

1. Stratigraphy:

Uinta - surface
Green River - Paradise Creek @ 1540'
Mahogany Zone - 2570'
Douglas Crk - 4470'
TD 6000 (approx top of wash)

2. Fresh Water:

possible in Uinta fm, near top of Green River (Birds Nest aquifer)

3. Leasable Minerals:

oil shale in Green River, especially Mahogany zone @ ~2570'

4. Additional Logs Needed:

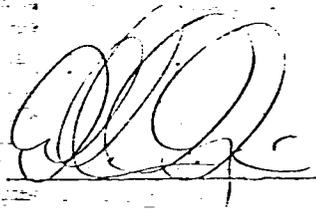
adequate

5. Potential Geologic Hazards:

none expected

6. References and Remarks:

Signature:



Date: 5-16-80

insert of
24-95-16E
#1

Memorandum

To: District Oil and Gas Engineer, Mr. Edward Gynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. A-15855 Well No. 1

1. The location appears potentially valuable for:

- strip mining*
- underground mining** *oil shale*
- has no known potential.

2. The proposed area is

- under a Federal lease for _____ under the jurisdiction of this office.
- not under a Federal lease under the jurisdiction of this office.
- Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed *Allen J. Vance*

1. Geological Name of Surface Formation
 - (A) Uinta Formation of Eocene Age
2. Tops of Important Geological Markers
 - (A) Evacuation Garden Gulch 3677 feet.
 - (B) Douglas Creek Member of Basal Green River Formation (Approx. 4470 Ft.)
3. Estimated Depths of Anticipated Water, Oil or Gas
 - (A) Oil & Gas anticipated in Basal Green River Formation (Douglas Creek) at 4470' to 6000.
4. Proposed Casing Program
 - (A) 300 Ft. of 8 5/8" surface casing A.P.I. 24 Lbs. per Ft. (K-55), 5100 Ft. of 4 1/2" A.P.I. 10.5 lbs. per Ft. (J-55).
All pipe to be purchased as new.
5. Specifications For Pressure Control Equipment
 - (A) 12 inch series 900 Double Hydraulic B.O.P. with Pipe Rams and Blind Rams and Spherical BOP.
 - (B) B.O.P. to be pressure tested before spudding and daily testing of closing units and rams while drilling.
6. Proposed Circulating Medium
 - (A) Brine water is proposed to be used unless additional weight is needed to control pressures or heaving shale. In this event a chemical-gel fresh water mud will be used and Barite as needed to control pressure.
7. Auxiliary Equipment to be Used
 - (A) Upper Kelly Cock
 - (B) Float At Bit
 - (C) Floor T.I.W. Valve (stabbing valve) for drill pipe
 - (D) Gas Detector logging Unit

8. Testing, Logging and Coring Program

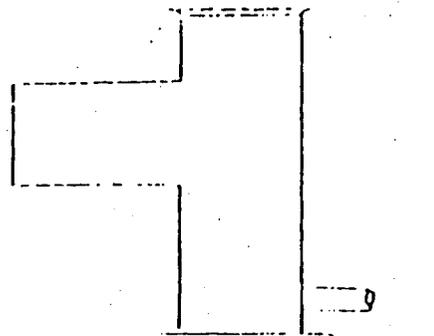
- (A) Drill Stem Test of Evacuation Creek and Douglas Creek
- (B) Dual lateral log, EHC, and CNL - FDC with Gamaray

9. Anticipated Abnormal Pressures, Temperatures or Hazards

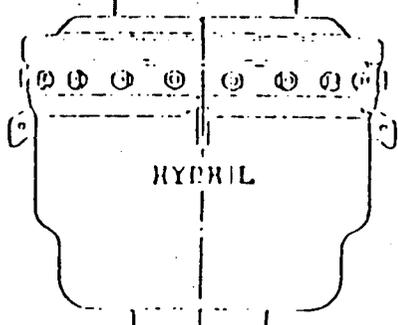
- (A) No abnormal pressures expected
- (B) No Hydrogen Sulfide Gas expected

10. Starting Date and Duration of Operations

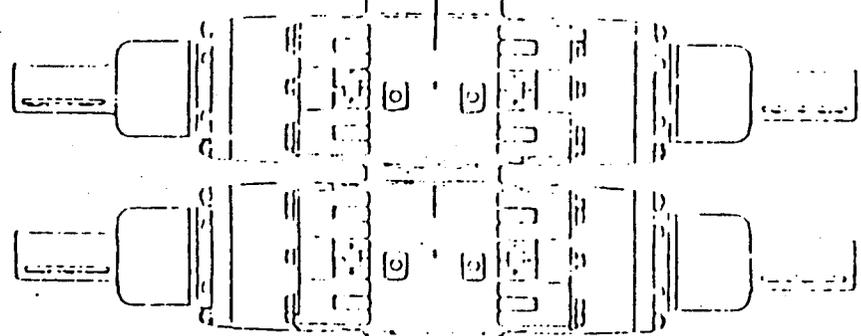
- (A) Anticipated starting date as soon as Rig becomes available Black Gold #1
- (B) This well is anticipated to be drilled in approximately 30 days.



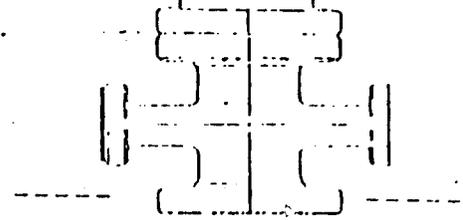
Rotating Head if
required furnished
by Operator



12" 3000 PSI WP Hyd.
after initial press
test all additional
rubber packing unit
be furnished by
Operator



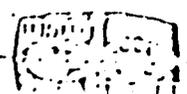
12" 3000 PSI WP
Shaffer Type E
Double Ram
No Outlets



12" 3000 PSI WP
Drilling Spool

Operator Equipment

All Contractor Equip
ment not trimmed for
H₂S service.



ENSERCH EXPLORATION INCORPORATED

13 Point Surface Use Plan

For

Well Location

Black Gold #1

Located In

Section 24, T9S, R16E, S.L.B. & M.

Duchesne County, Utah

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

1. EXISTING ROADS

To reach Enserch Exploration Inc. well location, Black Gold #1 located in the NW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 24, T9S, R16E, S.L.B. & M., Duchesne County, Utah; proceed Southwesterly out of Myton, Utah along U.S. Highway 40 - 1.5 miles to the junction of this Highway and Utah State Highway 53 - 216, to the South; proceed Southerly along this highway 1.5 miles more or less, to the intersection of Utah State Highway 53 and Utah State Highway 216, thence proceed Southeasterly along Utah State Highway 216 - 10.5 miles to the junction of this road and an existing road to the Southwest; proceed Southwesterly along this service road 2.9 miles to its junction with a road to the Southwest; proceed Southwesterly along this road 1.2 miles to the proposed location site.

The Highways mentioned in the foregoing paragraph are bituminous surfaced roads up to the intersection of Utah State Highway 53 and 216, at which point Utah State Road 216 is constructed out of existing native materials that are prevalent to the existing areas it is located in and ranges from clay to a sandy-clay shale material, as are the aforementioned dirt oil field service roads and other roads in the vicinity.

The last 1.2 miles of the above described road will need to be upgraded to meet the requirements of Item #2. Also a small portion of this existing road will be rerouted around the South side of the location site.

There is no anticipated construction on any other portions of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and production phase of the well will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

There will be no planned access road to this location site. However as stated in Item #1 parts of the existing road will need to be upgraded and there will be some minor re-routing.

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

This existing access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

2. PLANNED ACCESS ROAD - continued

Back slopes along the cut area of the road will be $1\frac{1}{2}$ to 1 slopes and terraced.

The road will be centerline flagged prior to the 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 accumulated during construction.

There will be no culverts required along this access road.

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' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate, either leaving or entering the proposed access road.

The vegetation along this route consists of sparse amounts of sagebrush, rabbitbrush, some grasses and cacti with large areas that are devoid of vegetation.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

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

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no Enserch Exploration Inc. tank batteries, production facilities, 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, plans for a flowline from this location to existing lines in the area will be submitted to the proper authorities and the existing area of the location will be utilized for the establishment of the necessary production facilities.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources.

These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.

If there is any deviation from the above, all appropriate agencies will be notified.

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

Water to be used for the drilling and production of this well will be hauled by truck from the Duchesne River, at a point where Highway 40 crosses it North of Myton, Utah, approximately 17.5 miles to the Northeast of the proposed location site.

In the event that the above source is not used other arrangements will be made with the proper authorities for an alternate source.

All regulations and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

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

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

6. SOURCES OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow materials accumulated during the construction of the location site and access road. No additional road gravels or pit lining materials 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 a sandy-clay soil and sandstone and shale material gathered in actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. Non-flammable materials such as cuttings, salts, chemicals, etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the reserve pit will be fenced on three sides. Upon completion of drilling, the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted. A portable toilet will be supplied for human waste.

A trash basket will be provided for flammable materials. Waste will be hauled by truck to the nearest sanitary landfill.

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.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #6, the pits will be unlined unless it is determined by the representatives 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 it safe and tight.

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 4' of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager 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 "A").

The area is a basin that lies between the Book Cliff Mountains to the South and the Uintah Mountains to the North. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstones, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial streams and flow to the Southeast and are tributaries to the Green River.

The soils of the semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial, Sandstone, Mudstone) from the Eocene and Quaternary Epoch (gravel surfaces) and the visible geologic structures consist of light brownish clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

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 sagebrush, rabbitbrush, some grasses, and cacti, and large areas of bare soils devoid of any growth. In the areas that are formed along the edges of perennial streams cottonwoods, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.B. & M.

11. OTHER INFORMATION - continued

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and 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 sparrow, 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").

Black Gold #1 location site sits on a slopping hillside above a non-perennial drainage. The Green River is located approximately 14 miles to the East of the location.

The geologic structure of the location is of the Uinta Formation and consists of light brownish - gray sandy clay (SP-CL) with some sandstone outcrops.

The ground slopes from the Southwest through the location to the Northeast at approximately a 4% grade.

The location is covered with some sagebrush and grasses.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Carl Peeples - Drilling Manager
7701 North Stemmons Freeway
Suite 800
Dallas, Texas 74247

Telephone: 1-214-630-8711

ENSERCH EXPLORATION INCORPORATED
Black Gold #1
Section 24, T9S, R16E, S.L.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 this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Enserch Exploration Inc. and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

Date

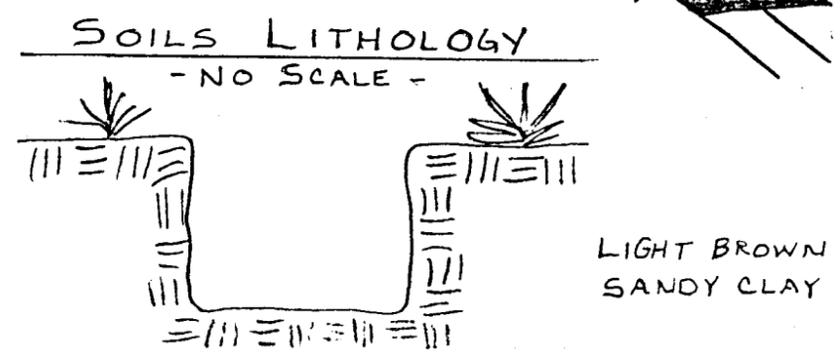
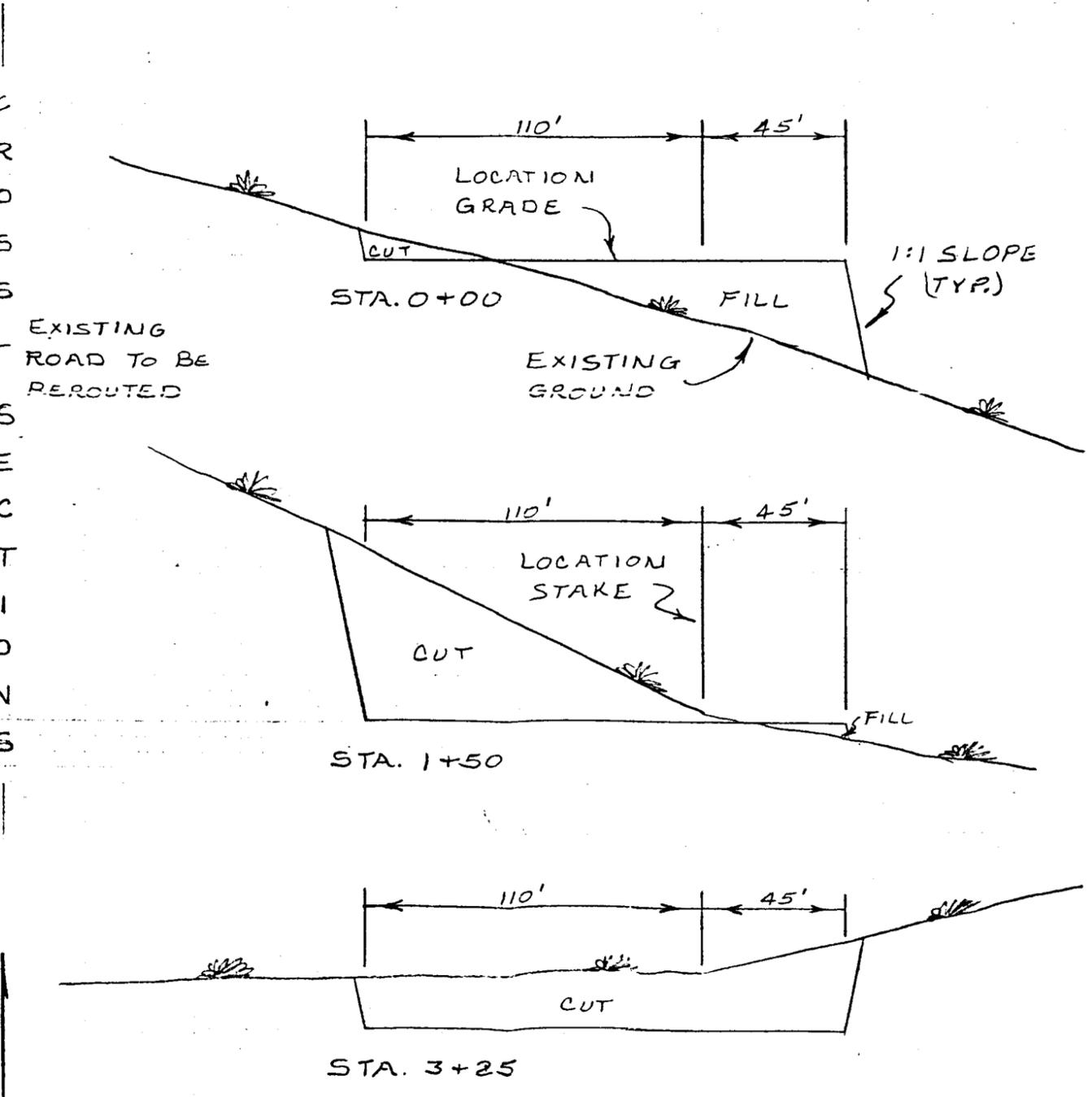
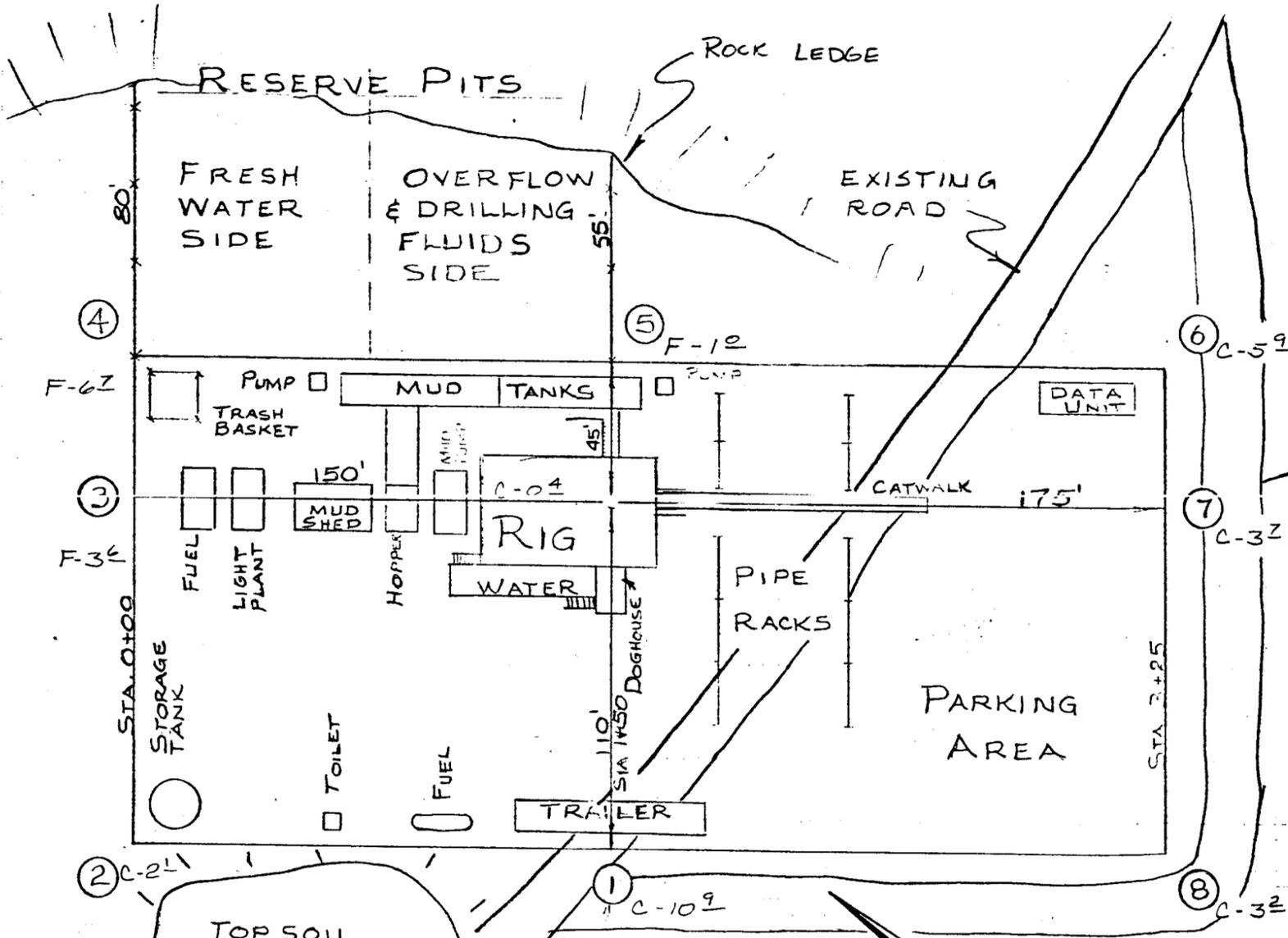
Feb. 29, 1980

C. H. Peoples
C. H. Peoples
Regional Drilling Manager

ENSERCH EXPLORATION INC.

BLACK GOLD #1

LOCATION LAYOUT & CUT SHEET



1" = 10'
1" = 50'

SCALES

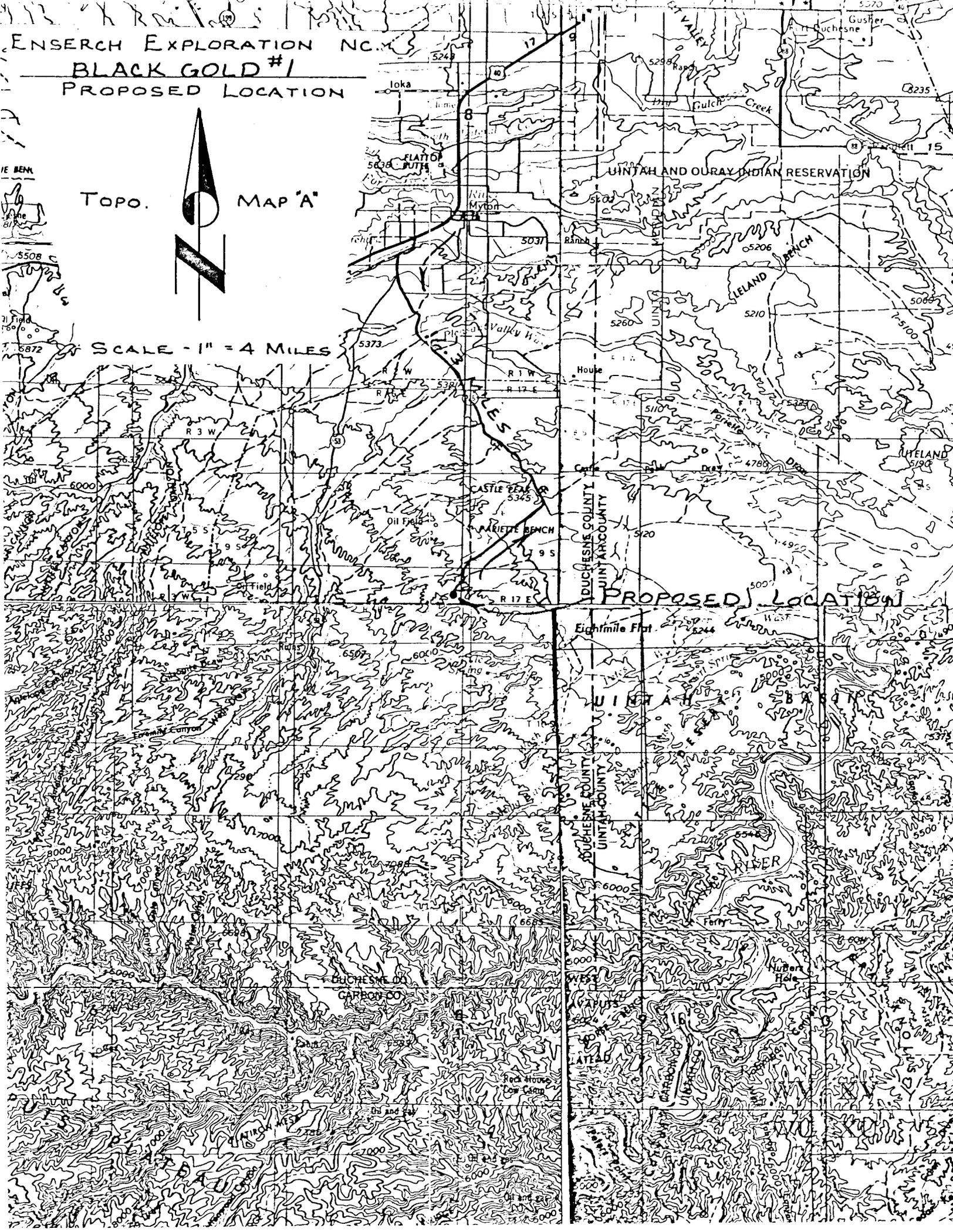
APPROX YARDAGES
CUT - 6283 CU. YDS.
FILL - 1,152 CU. YDS.

ENSERCH EXPLORATION CO.
BLACK GOLD #1
PROPOSED LOCATION

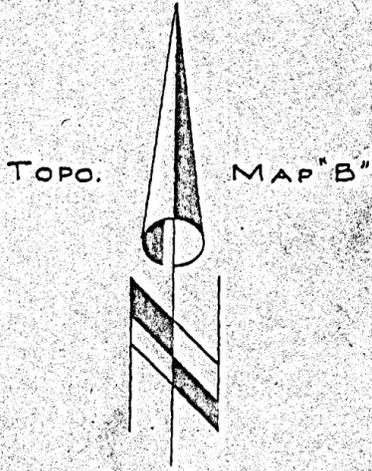
TOPO. MAP 'A'



SCALE - 1" = 4 MILES

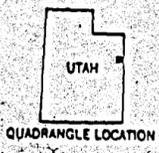


ENSERCH EXPLORATION INC.
BLACK GOLD #1
PROPOSED LOCATION

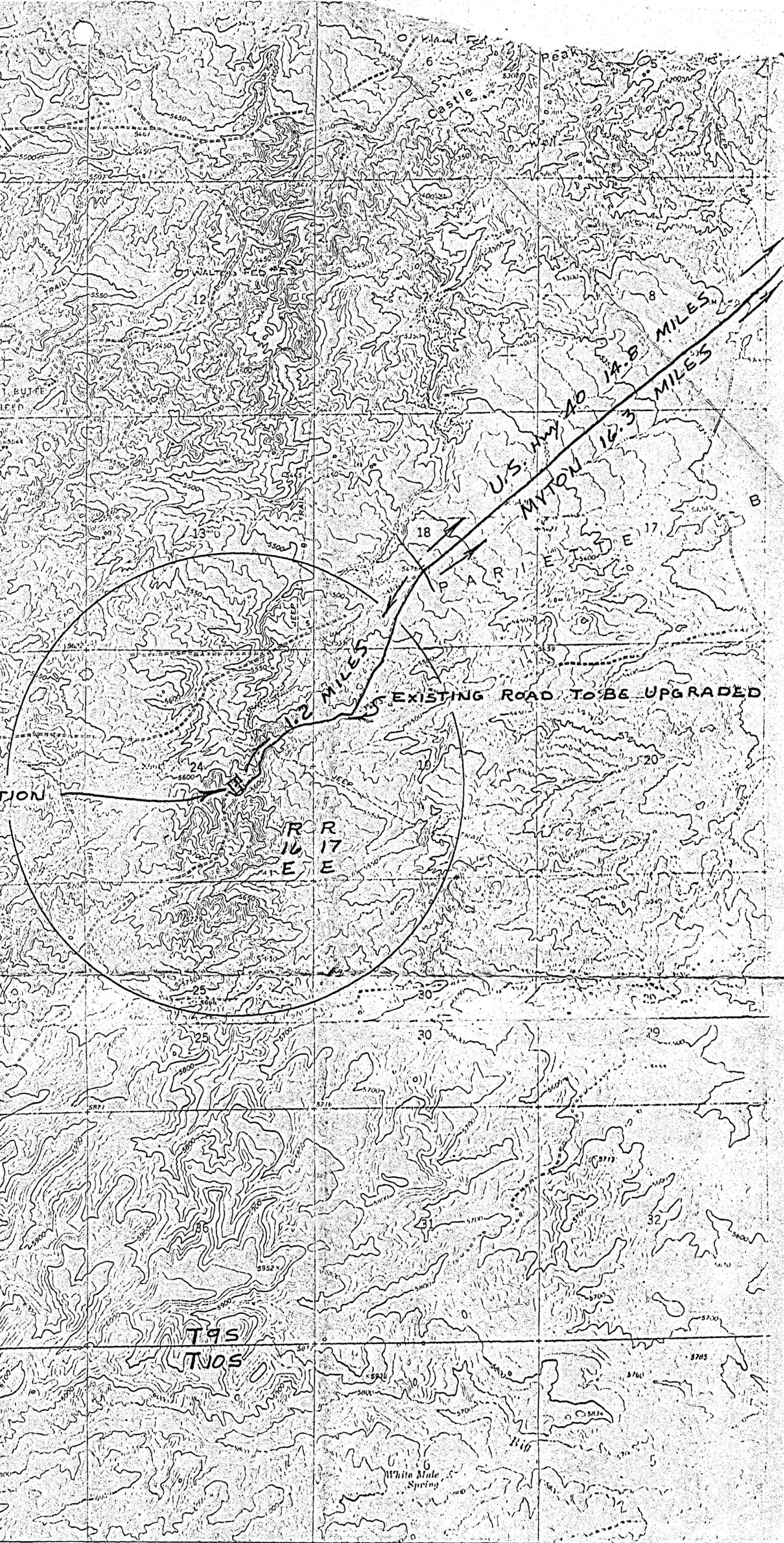


SCALE - 1" = 2000'

ROAD CLASSIFICATION
Light-duty road, all weather, improved surface _____
Unimproved road, fair or dry weather - - - - -



PROPOSED LOCATION
BLACK GOLD #1





SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

OCTOBER 30, 1980

~~Ensearch Exploration, Inc.
7701 N. Stemmons Freeway, Suite #800
Dallas, Texas 75247~~

1230 Riverbend, #136
Dallas, Texas 75247

RE: SEE ATTACHED SHEET FOR THE
WELL NAMES.

Gentlemen:

In reference to above mentioned well(s), 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 this well (these wells), please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan on drilling thos 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

Debbie Beauregard
DEBBIE BEAUREGARD
CLERK-TYPIST

ENSERCH EXPLORATION, INC.
1230 River Bend Drive Suite 136
Dallas, Texas 75247

November 24, 1980

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining

Re: Wells in Uintah County, Utah

Gentlemen:

Due to the scarcity of rigs in 1980, these wells will be drilled as early as possible in 1981.

- (1) Well No. Black Gold # 1 - Sec. 24, T. 9S, R. 16E
- (2) Well No. Castle Peak # 1 - Sec. 10, T. 9S, R. 18E
- (3) Eightmile Flat # 1 - Sec. 23, T. 9S, R. 18E
- (4) Well No. Sage Hen Fed. # 2-6 - Sec. 6, T. 10S, R. 23E
- (5) Well No. Flat Mesa Fed, # 2-7 - Sec. 7, T. 10S, R. 23E
- (6) Well No. Sagebrush Fed. # 2-8 - Sec. 8, T. 10S, R. 23E
- (7) Well No. No Name Canyon # 2-9 - Sec. 9, T. 10S, R. 23E
- (8) Well No. Jack Rabbit Fed. # 2-11 - Sec. 11, T. 10S, R. 23E
- (9) Well No. Cliff Edge Fed. # 2-15 - Sec. 15, T. 10S, R. 23E
- (10) Well No. Canyon View Fed. # 2-18 - Sec. 18, T. 10S, R. 23E

So please keep these files active .

Very truly yours,

Bruce Lowrance

Bruce Lowrance
Drilling Engineer

BL/hrs

RECEIVED

NOV 23 1980

DIVISION OF
OIL, GAS & MINING



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

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Salt Lake City, Utah 84116

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C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

CLEON B. FEIGHT
Director

April 30, 1981

Enserch Exploration Inc.
1230 River Bend Drive, Suite 136
Dallas, Texas 75247

SEE ATTACHED SHEET ON WELLS DUE

Gentlemen:

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

This office has not recieved 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

ATTACHED SHEET ON WELLS DL

1. Well No. Black Gold # 1
Sec. 24, T. 9S. R. 16E.
Duchesne County, Utah

2. Well No. Castle Peak # 1
Sec. 10, T. 9S. R. 18E.
Duchesne County, Utah

3. Eightmile Flat # 1
Sec. 23, T. 9S. R. 18E.
Uintah County, Utah

4. Well No. P.T.S. Federal 1-6
Sec. 6, T. 10S. R. 24E.
Uintah County, Utah

5. Well No. Sage Hen Federal 2-6
Sec. 6, T. 10S. R. 23E.
Uintah County, Utah

6. Well No. No Name Canyon Fed. 2-9
Sec. 9, T. 10S R. 23E.
Uintah County, Utah

7. Well No. Jack Rabbit Federal 2-11
Sec. 11, T. 10S R. 23E.
Uintah County, Utah

8. Well No. Crooked Canyon Fed. 2-17
Sec. 17, T. 10S. R. 23E.
Uintah County, Utah

9. Well No. Canyon View Fed. 2-18
Sec. 18, T. 10S. R. 23E.
Uintah County, Utah

May 6, 1981

Pol 24

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining

Re: Wells in Uintah and
Duchesne Counties, Utah

Gentlemen:

Enserch Exploration, Inc. plans to begin a development drilling program for the following wells in the near future. Pending the availability of a suitable drilling rig, we plan to begin this program in June or July of 1981. We would appreciate it if you would keep these files active.

1. Well No. Black Gold #1 - Sec 24, T9S, R16E, Duchesne County.
2. Well No. Castle Peak #1 - Sec 10, T9S, R18E, Duchesne County.
3. Eightmile Flat #1 - Sec 23, T9S, R18E, Uintah County.
4. Well No. P. T. S. Federal 1-6 - Sec 6, T10S, R24E, Uintah County.
5. Well No. Sage Hen Federal 2-6 - Sec 6, T10S, R23E, Uintah County.
6. Well No. NoName Canyon Federal 2-9 - Sec 9, T10S, R23E, Uintah County.
7. Well No. Jack Rabbit Federal 2-11 - Sec 11, T10S, R23E, Uintah County.
8. Well No. Crooked Canyon Federal 2-17 - Sec 17, T10S, R23E, Uintah County.

RECEIVED

MAY 8 1981

DIVISION OF
OIL, GAS & MINING

*Location Abandoned
7-23-81*