

UTAH DIVISION OF OIL, GAS AND MINING

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/ABD. _____

~~1-24-79~~ - Location change

DATE FILED 11-1-78

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-38421 INDIAN

DRILLING APPROVED: ~~10-31-78~~ 11-2-78

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LOCATION ABANDONED WELL NEVER DRILLED ~~12-29-80~~ 4-9-82

FIELD: ~~Bonanza~~ ~~3/86 Natural Buttes~~

UNIT:

COUNTY: Uintah

WELL NO. Canyon View Fed. 2-18 API NO: 43-047-30526

LOCATION ~~1474'~~ FT. FROM ~~XX~~ (S) LINE. 1072' FT. FROM (E) ~~XX~~ LINE. ~~NE SE~~ 1/4-1/4 SEC. 18

1320'

1580'

NW SE 10

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
10S	23E	18	ENSERCH EXPLORATION INC.				

FILE NOTATIONS

Entered in NID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed
..... GW..... TA.....
GW..... OS..... PA.....

Location Inspected ...
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... Mi-L.....
CLog..... CLog..... Others.....

7-29-92 JEF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
FORM APPROVED
1978 Edition No. 42 B3427

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

Eenserch Exploration Incorporated

3. ADDRESS OF OPERATOR

Empire Central Building 7701 No Stemmons Freeway Dallas TX

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) 75247
At surface

1474' FSL - 1072' FEL Section 18, T10S, R23E, S.L.B. & M.
At proposed prod. zone
me se

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 miles to Bonanza, 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

637.4

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH

9000'

20. ROTARY OR CABLE TOOLS

Rotary

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

5383'

22. APPROX. DATE WORK WILL START*

November 1, 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48.0	2000'	Suff. to circulate
7 7/8	4 1/2	11.6	9000'	Suff. to circulate

Operator proposes to drill well to total depth of 9,000' with water and salt base mud drilling fluid to test all zones through the Mesa Verde formation. A 12" x 3000# weld on head and 12" x 3000# doublegate and spherical BOP will be installed and tested to 1000 psi. BOP will be checked daily. If the well is productive, casing will be restored as per BLM instructions, and regulation dryhole marker erected.

179-1
OB

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

J. B. Eaker

TITLE Drilling Supervisor

DATE October 11, 1978

(This space for Federal or State office use)

PERMIT NO.

43-047-30526

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

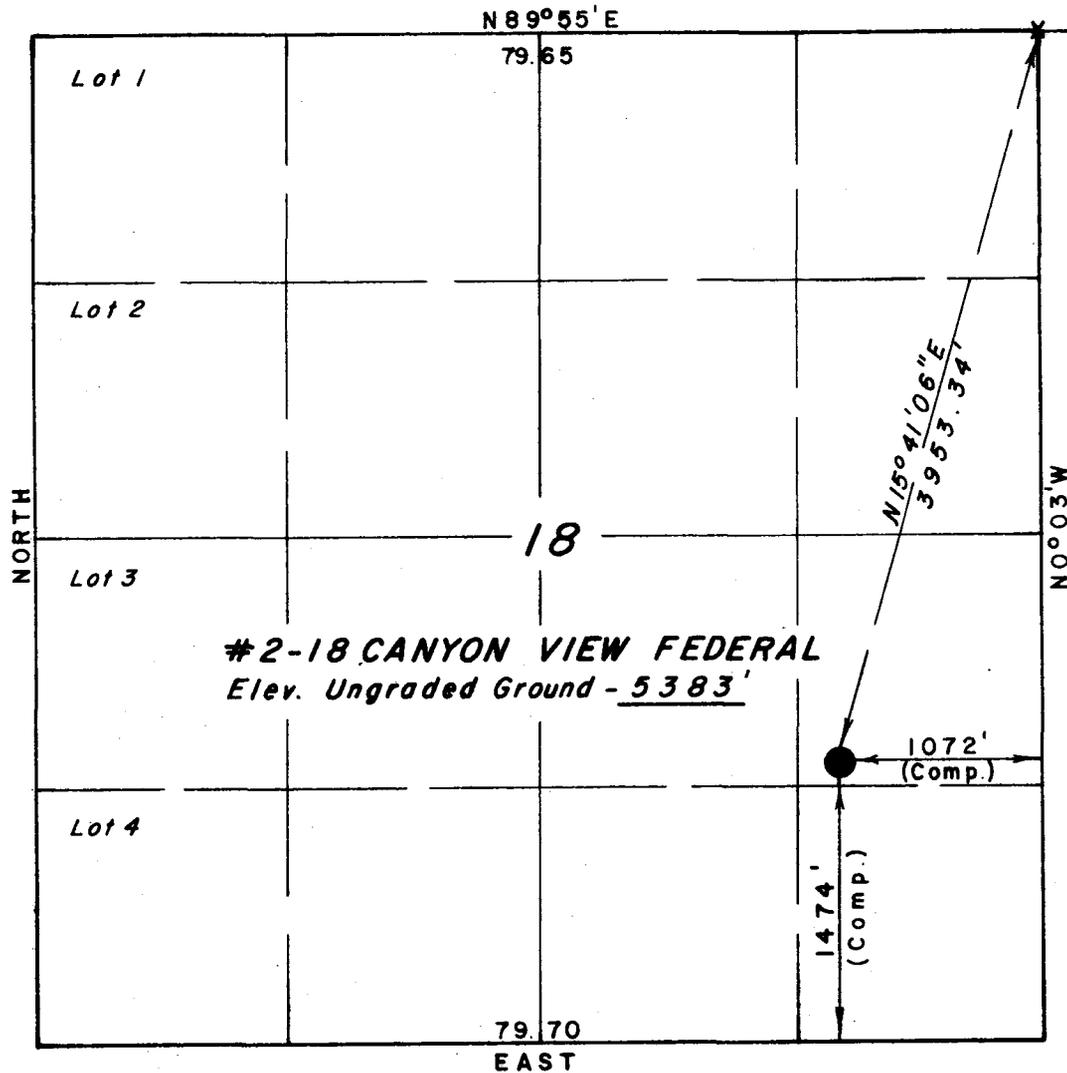
*See Instructions On Reverse Side

T10S, R23E, S.L.B. & M.

PROJECT

ENSERCH EXPLORATION INC.

Well location, #2-18 CANYON VIEW FEDERAL, located as shown in the NE 1/4 SE 1/4 Section 18, T10S, R23E, S.L.B. & M. Uintah County, Utah.



NE Cor. Sec. 17, T10S, R23E, S.L.B. & M.



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.

Dane 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	9/29/78
PARTY	MS KH RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	ENSERCH

X = Section Corners Located

GEOLOGICAL CASING AND BOPE DATA

1. Surface Formation - Uintah
2. Estimated tops of important geological markers:

Green River	800
Wasatch	4010
Mesa Verde	5620
3. Expected mineral-bearing formation:

Mesa Verde	5620
------------	------
4. Proposed casing program:

Surface casing - New 13 3/8" 48.0# H-40 ST&C 200'
Intermediate (If needed) New 8 5/8" 24.0# K-55 LT&C 2,000'
Production Casing - New 4 1/2" 11.6# N-80 LT&C 7,000'
5. Blowout preventors:
 - A. 12" x 3000# Shafer blowout preventor and Hydril with choke and Kill lin
 - B. Pressure test to 1000 psi before drilling out below the surface casing. Test operation of the BOPE on each trip.
6. Circulating medium:
 - A. Surface to 200' - fresh water, native mud with gel.
 - B. 200' to 4010' - fresh water.
 - C. 4010' to TD - salt based mud.
7. Auxiliary Equipment:
 - A. Kelly Cock
 - B. Float at bit
 - C. Full-opening quick-close drill pipe valve on derrick floor at all times.
8. Testing, logging and coring procedures:
 - A. Cores - None planned
 - B. Tests - Possible DST Wasatch and Mesa Verde
 - C. Logging - Dual Induction Laterolog, Formation Density and Compensated Neutron
9. Anticipated Hazards:

No abnormal pressures or temperatures, hydrogen sulfide or other drilling hazards are anticipated.
10. Anticipated starting date - November 1, 1978

ENSERCH EXPLORATION INC.

13 Point Surface Use Plan

for

Well Location

#2-18 Canyon View Federal

Located In

Section 18, T10S, R23E, S.L.B. & M.

Uintah County, Utah

1. EXISTING ROADS

See Attached Topographic Map "A".

To reach Enserch Exploration Incorporated well location #2-18 Canyon View Federal located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 18, T10S, R23E, S.L.B. & M., from Vernal, Utah:

Proceed East out of Vernal, Utah along U.S. Highway 40, 24 miles to the junction of this highway and Utah State Highway 45 to the South; proceed South along Utah State Highway 45, 22 miles to Bonanza, Utah; proceed in a Westerly direction along an improved dirt road 4.4 miles to the point that an existing dirt road exists to the Southwest; proceed Southwesterly on this road 1.3 miles to the junction of this road and a road to the Southwest; proceed along Southwesterly on this road 11 miles to the junction of this road and a road to the South; proceed Southerly on this road 0.6 miles to the point that the planned access road (to be discussed in Item #2) leaves the existing road and proceeds in a Southerly direction to the proposed location site.

There is no major construction anticipated along any portion of the above described road.

The road will be maintained and kept at the necessary standards required for an orderly flow of traffic during the drilling, completion, and production activities of this location.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing road described in Item #1 in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 18, T10S, R23E, S.L.B. & M., and proceeds in a Southerly direction 0.4 miles to the proposed location site.

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

The proposed 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 any normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas 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.

If deemed necessary by the local governmental agencies or thier representatives turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges that will provide the greatest sight distance. These turnouts will be 200' in length and 12' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and the outlet end.

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.

2. PLANNED ACCESS ROAD - continued

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 terrain that is traversed by this road is over rolling hill type terrain and is vegetated by sagebrush and grasses.

3. LOCATION OF EXISTING WELLS

As shown on Topographic Map "B", there are other wells within a one-mile radius of the proposed well site. (See location plat for placement of Enserch Exploration Incorporated well location within the section).

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

All petroleum production facilities are to be contained within the proposed location site. There are no other Enserch Exploration Incorporated gathering, injection, or disposal lines within a one-mile radius of this location.

In the event production is established, plans for a gas flow line from this location to existing gathering lines or a main production line shall be submitted to the appropriate agencies for approval.

The rehabilitation of the disturbed area that is not required for the production of this well will meet the requirements of Items #7 and #10.

5. LOCATION AND TYPE OF WATER SUPPLY

Water to be used for the drilling of this well will be hauled by truck from the White River at an existing loading ramp located in the NE $\frac{1}{4}$ Section 17, T9S, R22E, S.L.B. & M., approximately 15.5 miles by road to the Northwest of the proposed 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 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.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve and burn pit will be constructed.

7. METHODS FOR HANDLING WASTE DISPOSAL - continued

The reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of 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, produced fluids, etc.

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 at such time as 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 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.

The burn pit will be constructed and fenced on all four sides with a small mesh wire to prevent any flammable materials from escaping and creating a fire hazard.

All flammable materials will be burned and buried upon completion of this 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 Location Layout Sheet.

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

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 material necessary to make it 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, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, and the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pits shall be buried with a minimum of 5' of cover.

As mentioned in Item #7, the reserve pits will be completely fenced and wired and overhead wire and flagging installed, if there is oil in the pits, and then 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 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 formed by the Blue Mountain Plateau and Green River to the North and the White River and the Roan Plateau to the South.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in a sandstone, conglomerates and shale deposits are extremely common to the area.

The geologic structures of the area that are visible are of the Uinta Formation (Eocene Epoch) Tertiary Period in the upper elevation and the cobblestone and younger alluvial deposits from Quaternary Period.

Outcrops of sandstone ledges, conglomerate deposits, and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil to poorly graded gravels to a clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and extremely heavy rain storms of long duration which are extremely rare as the normal annual rainfall in the area is only 8".

The White River to the South of this location is the only perennial stream that is affected by this location site.

11. OTHER INFORMATION - continued

Due to the low precipitation average, climate 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. It consists of areas of sagebrush, rabbitbrush, some grasses, and cacti as the primary flora.

The fauna of the area consists predominantly of the mule deer, coyotes, rabbits, and various small ground squirrels, and other types of rodents. The area is used by man for the primary purposed of grazing domestic sheep and cattle

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

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

#2-18 Canyon View Federal is located on the top of a large Ridge approximately ½ mile North of the White River. The ledges from the location down into the White River are extremely steep.

The majority of the drainages in the area are of a non-perennial nature and drain to the South into the White River.

The terrain in the vicinity of the location slopes to the Southwest through the location site at approximately a 6% grade.

The vegetation in the immediate area surrounding the location site is predominatly 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 site within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Leo Bleeker
7701 North Spemmons Freeway
Suite 800
Dallas, Texas 75247

Tele: 630-8711

13. CERTIFICATION

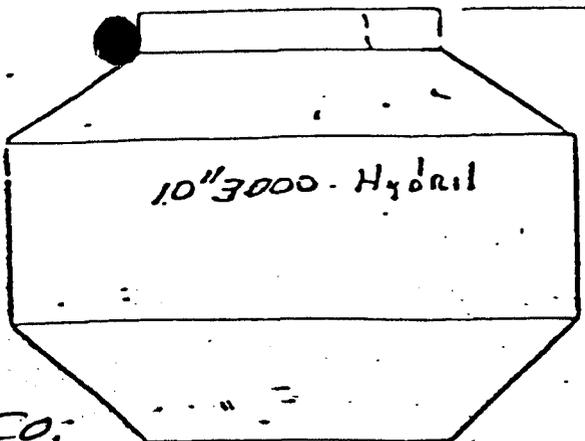
I herby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Enserch Exploration Incorporated, and its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

October 11, 1978
DATE

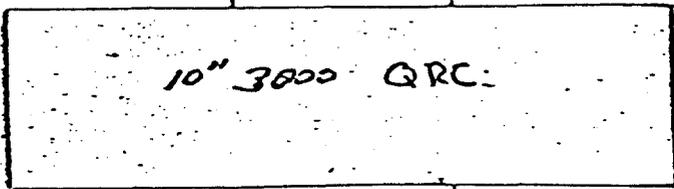


Leo, W. Bleeker
Drilling Supervisor

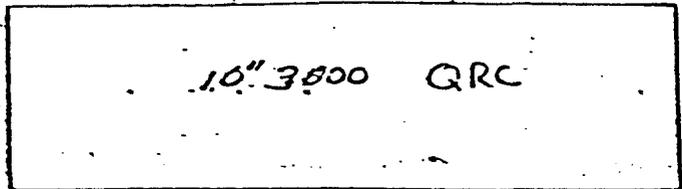
Hompson Drig. Co.
Drig #28



17.50"

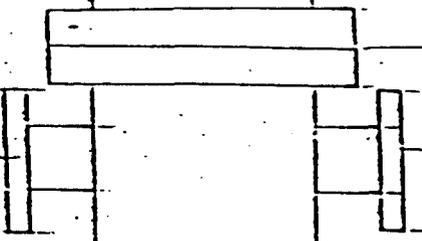


36"



36"

KILL



CHOKE

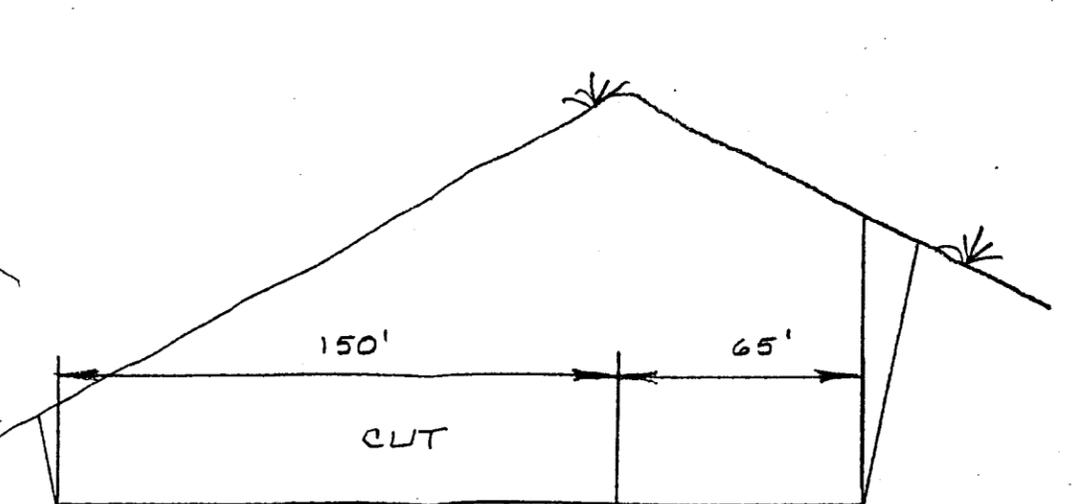
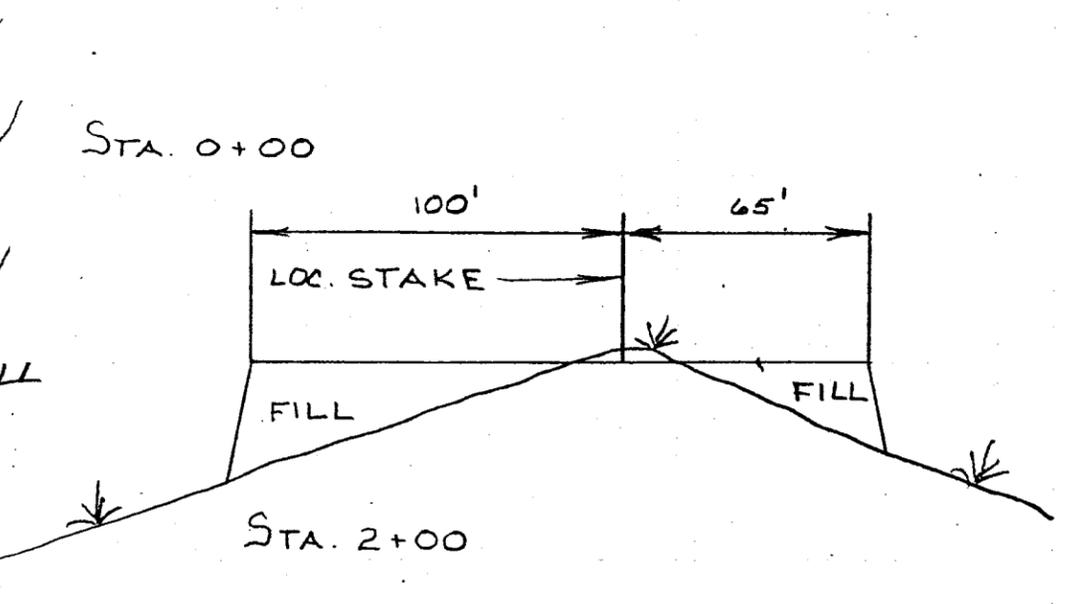
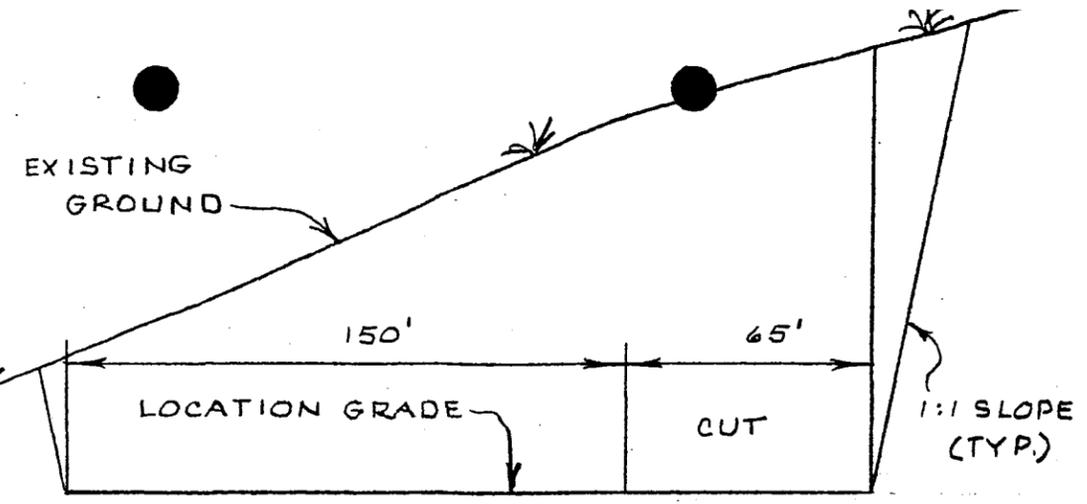
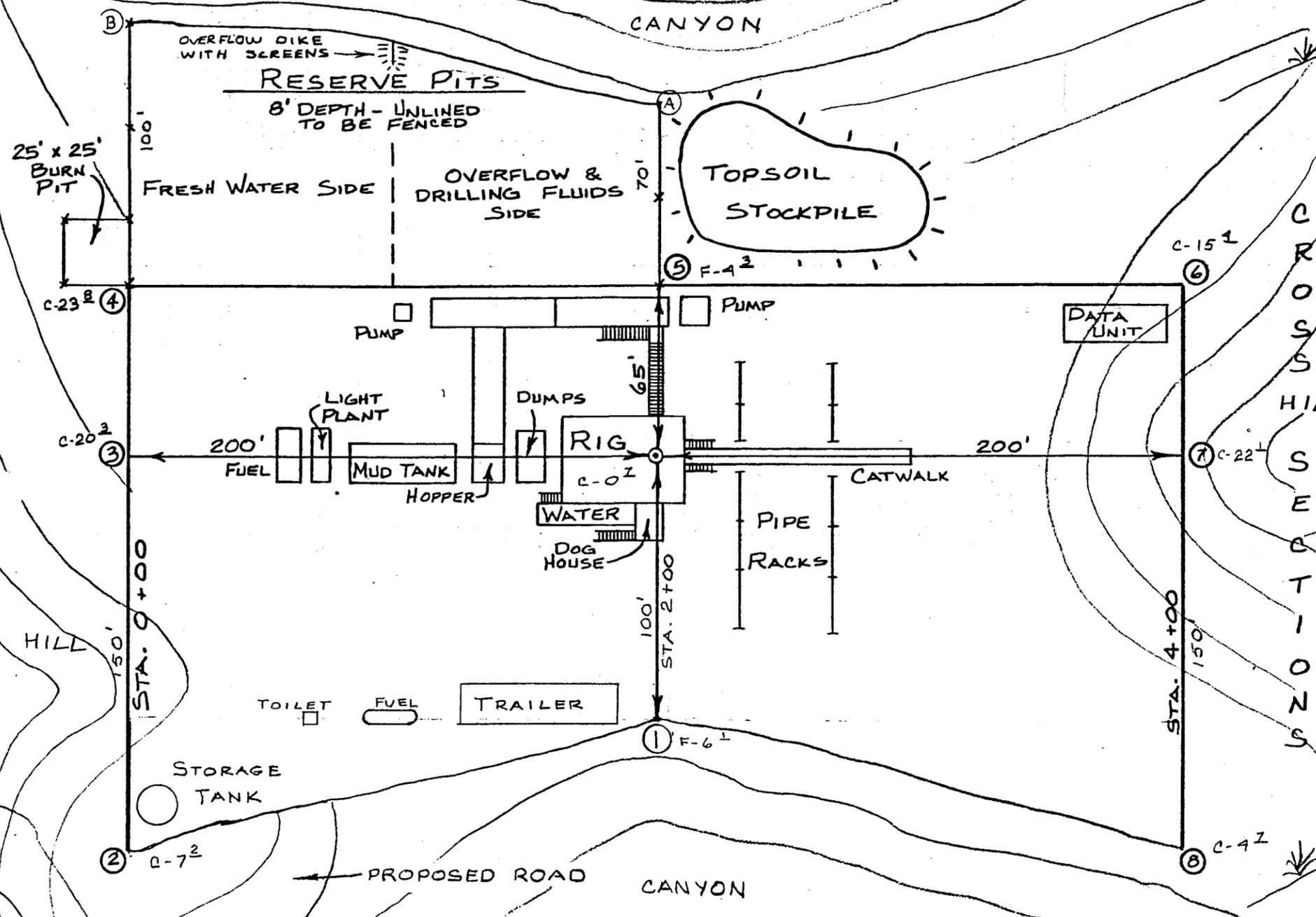
25"

Rig Mast

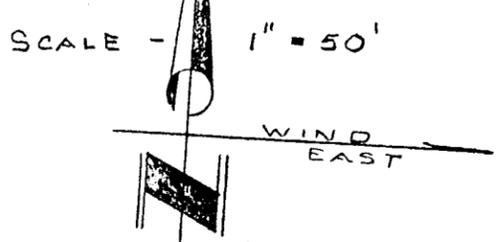
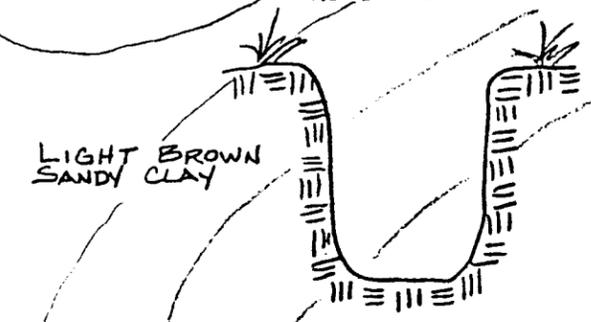
11.96"

10" 3000 Stack

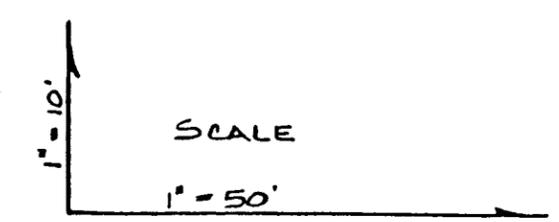
ENSERCH EXPLORATION
LOCATION LAYOUT
 FOR
 #2-18 CANYON VIEW FEDERAL
 LOCATED IN
 SEC. 18, T10S, R23E, S.L.B.&M.



SOILS LITHOLOGY
 - NO SCALE -



STA. 4+00
APPROX. YARDAGES
 CUT 18,000 CU. YDS.
 FILL 3,336 CU. YDS.

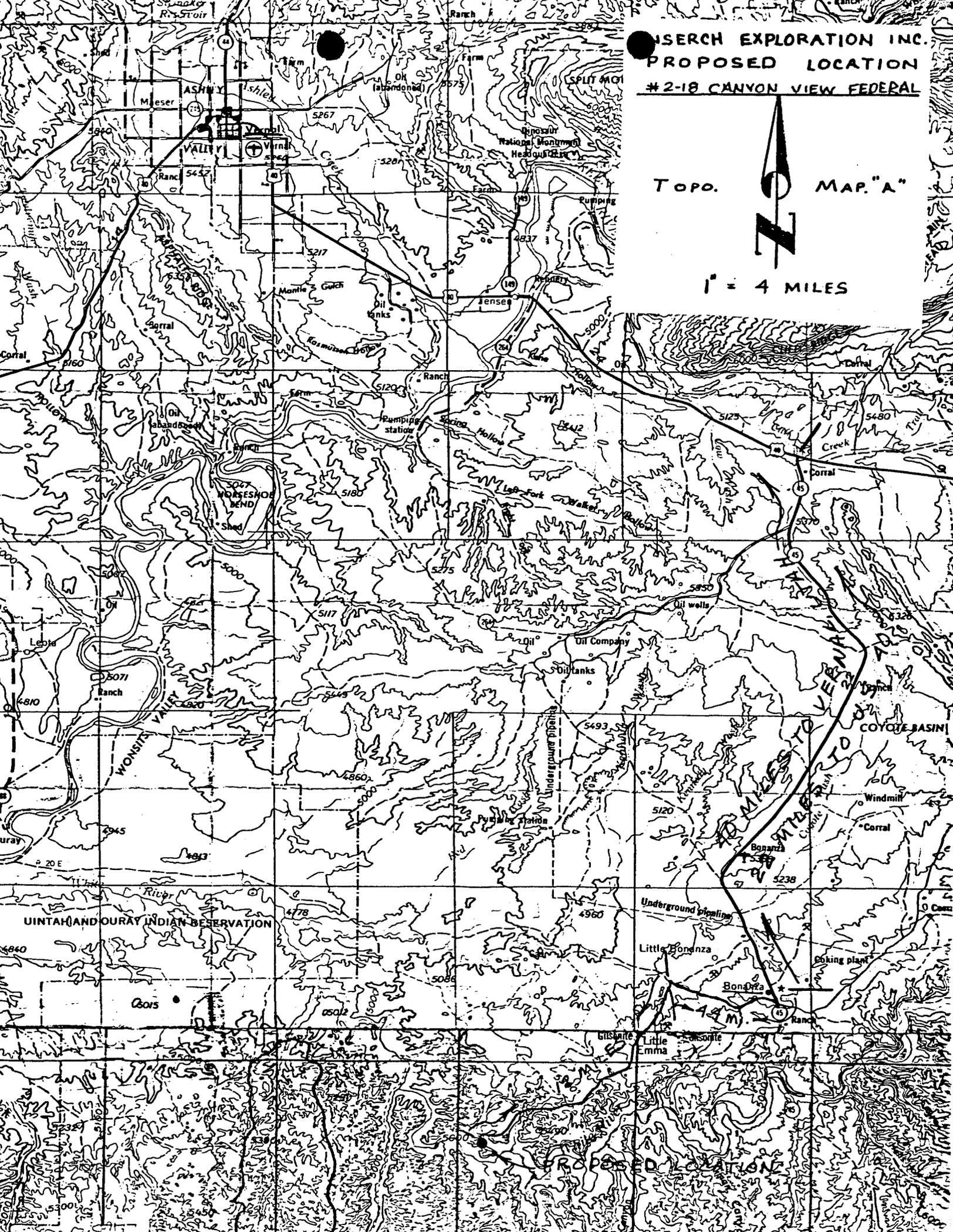


**SEARCH EXPLORATION INC.
PROPOSED LOCATION
#2-18 CANYON VIEW FEDERAL**



TOPO. MAP "A"

1" = 4 MILES



PROPOSED LOCATION

ENSERCH EXPLORATION INC.
PROPOSED LOCATION
#2-18 CANYON VIEW FEDERAL

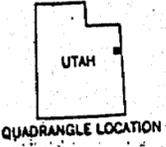
TOPO.

MAP "B"



SCALE 1" = 2000'

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

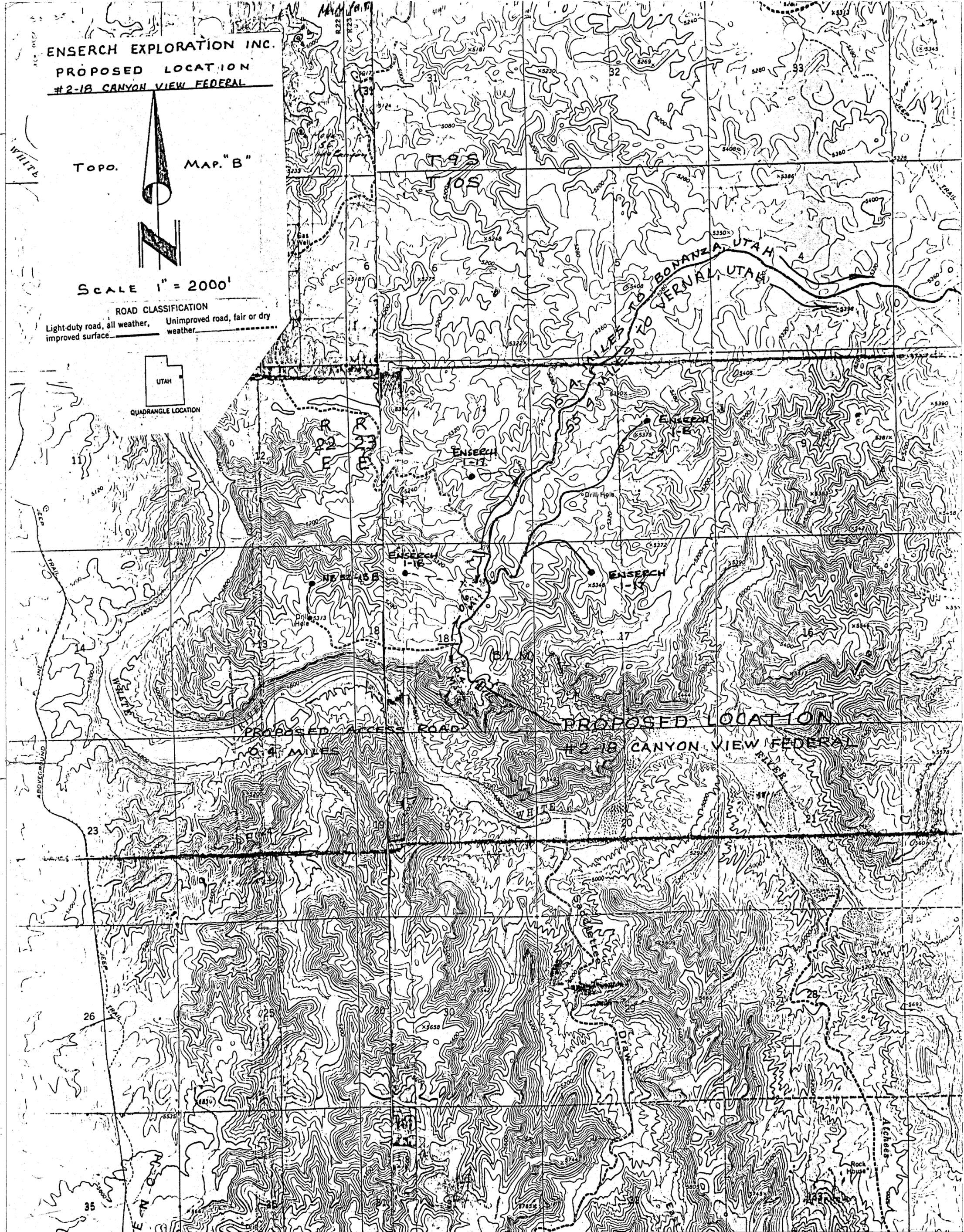


UTAH
QUADRANGLE LOCATION

PROPOSED ACCESS ROAD

PROPOSED LOCATION
#2-18 CANYON VIEW FEDERAL

0.4 MILES



STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Oct. 31, 1948

Operator: Cusack Exploration

Well No: Amyn New Fed. 2-18

Location: Sec. 18 T. 10S R. 3E County: Uintah

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 13-047-30526

CHECKED BY:

Administrative Assistant: AW

Remarks: OK - fits spacing Order

Petroleum Engineer: _____

Remarks: _____

Director: Z

Remarks: _____

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 179-1

Surface Casing Change
to _____

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

O.K. Rule C-3

O.K. In _____ Unit

Other: _____

Letter written/Approved



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

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

I. DANIEL STEWART
Chairman

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN *sw*
#1-18-112

November 2, 1978

Enserch Exploration Inc.
Empire Central Building
7701 No. Stemmons Freeway
Dallas, Texas 75247

Re: Well No. Canyon View Federal 2-18
Sec. 18, T. 10 S, R. 23 E,
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 179-1.

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

CLEON B. FEIGHT, Director
Home: 466-4455
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.

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 number assigned to this well is 43-047-30526.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-38421

Operator Enserch Exploration, Incorporated Well No. 2-18

Location 1310' FSL & 1582' FEL SWSESec. 18 T. 10S R. 23E

County Uintah State Utah Field Bonanza

Status: Surface Ownership Public Minerals Federal

Joint Field Inspection Date November 28, 1978

Participants and Organizations:

George Diwachak U.S. Geological Survey

William Douglas U.S. Geological Survey

Steve Ellis Bureau of Land Management

Gene Stewart Representing Dirt Contractor

Leo Bleaker Enserch Exploration

Related Environmental Analyses and References:

(1) Bonanza Planning Unit (BLM-Vernal, Utah)

(2)

Analysis Prepared by:

George Diwachak
Environmental Scientist
Salt Lake City, Utah

and

William Douglas
Environmental Specialist
Salt Lake City, Utah TDY

Date: November 29, 1978

Noted - G. Diwachak

*Well silt moved
Pad 165 x 400
Pit 100 x 200
4/10 mi new access
No obj. to proposed
access
Stack pile to pond
2.9 ac.
line with
Archaeological Sur. Rep.
Flow line out in cl.*

JAN 24 1979

Proposed Action:

On October 25, 1978, Enserch Exploration, Incorporated filed an Application for Permit to Drill the No. 2-18 development well, a 9000-ft. test of the Mesa Verde Formation; located at an elevation of 5383' on Federal mineral lands and Public surface; lease No. U-38421. An objection was raised to the wellsite, it was moved to 1310' FSL & 1582' FEL. This changed the $\frac{1}{4}$ $\frac{1}{4}$ coordinates to SW $\frac{1}{4}$ SE $\frac{1}{4}$. There was no objection raised to the access road as the original access road as proposed would be used.

A rotary rig would be used for the drilling. As determined by USGS Engineers, an adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the USGS District Office in Salt Lake City, Utah and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the Bureau of Land Management, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 400 ft. wide and about 165 ft. long and a reserve pit about 100 ft. x 200 ft. A new access road would be constructed 18 ft. wide and about 0.4 miles long. The operator proposes to construct production facilities on the proposed drill pad.

If production is established, plans for a gas flowline would be submitted to the appropriate agencies for approval. The anticipated starting date is upon approval and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drillsite is approximately 16 miles SW of Bonanza, Utah, the nearest town. A fair to poor road runs to within 0.4 miles of the location. This well is in the Bonanza field.

Topography:

The originally proposed site is near the edges of the rolling ridgeline of two canyons overlooking the White River. The canyon walls are extremely steep. The onsite inspection party all agreed that the proposed site would be difficult for construction. The revised location is suitable for construction.

Geology:

The surface geology is Uintah. The soil is sandy clay and poorly graded gravels. No geologic hazards are known near the drillsite. Seismic risk for the area is minor based on historic facts. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydro-carbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist (and is possible in the sandstone units of the Mesa Verde). Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil with poorly sorted gravels intermixed. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 2.9 acres of land would be stripped of vegetation. Use of the originally proposed site would result in about 14,500 cubic yards of

excess cut material (3,386 yds. ³ fill, 18,000 yds. ³ cut).

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rainfall should range from about 7 to 12" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy storms. This type of storm is rather uncommon as the normal annual precipitation is around 7 to 8".

Winds are medium and gusty, occurring predominately from west to east. Air mass inversions are seasonal and common in winter. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

Surface runoff from the site is high and drainage is direct to the White River via the canyons around the site.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential

for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. There would be no tangible effect on water migration in fresh water aquifers. The pits should be lined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Plants in the area are of the salt-desert-shrub types.

Proposed action would remove about 2.9 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrow, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drill-

ing and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect on one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah County.

But should this well discover a significant new hydrocarbon source, local, state, and possible national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Bonanza Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

(1) Not approving the proposed permit--the oil and gas lease grants the lessee the exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the

Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. The potential impacts at the proposed site would be severe (erosion and sedimentation) during operations. Upon rehabilitation of the site, further environmental effects of this action would be substantially mitigated. Permanent damage to the surface and subsurface would be mitigated as much as possible under USGS and other controlling agencies supervision with rehabilitation planning. The net impact at the proposed site could be mitigated to a substantial degree. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) However, relocation of the wellsite and access road along with special restrictive stipulations or modifications to the proposed program would significantly reduce the environmental impact. The site should be moved to the SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 18. This site is further from the canyon walls and avoids the large excess of cut material and substantially reduce erosion potential. Because of sandy strata and proximity to the White River, the reserve pits should be lined. There are no severe vegetative, animal or archaeological-historical-cultural conflicts in the area. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

*Access
road to be
proposed*

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 2.9 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. The proposed site would have more severe impact than the suggested relocation. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would be carried as sediment in the White River. The potential for pollution to the river would exist through leaks and spills.

Determination:

This requested action ~~does~~ does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

Date

1/19/79



District Engineer
U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District

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
Empire Central Building 7701 No. Spemmons Freeway Dallas, TX

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
1320' FSL 1582' FEL Section 18, T10S, R23E, S.L.B. & M.
 At proposed prod. zone NW SE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 Miles to Bonanza, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
637.4

16. NO. OF ACRES IN LEASE
637.4

17. NO. OF ACRES ASSIGNED TO THIS WELL
637.4

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
9000'

19. PROPOSED DEPTH
9000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5427'

22. APPROX. DATE WORK WILL START*
March 1, 1978

5. LEASE DESIGNATION AND SERIAL NO.
U-38421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Canyon View Federal

9. WELL NO.
#2-18

10. FIELD AND POOL, OR WILDCAT
Bonanza

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 18, T10S, R23E, S.L.B. & M.

12. COUNTY OR PARISH
Utah

13. STATE
Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48.0	2000'	Suff. to circulate
7 7/8	4 1/2	11.6	9000'	Suff. to circulate

Operator proposes to drill well to total depth of 9,000' with water and salt base mud drilling fluid to test all zones through the Mesa Verde formation. 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 restored as per BLM instructions, and 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 [Signature] TITLE Drilling Supervisor DATE January 1, 1979

(This space for Federal or State office use)

PERMIT NO. 43-047-30563 APPROVAL DATE _____

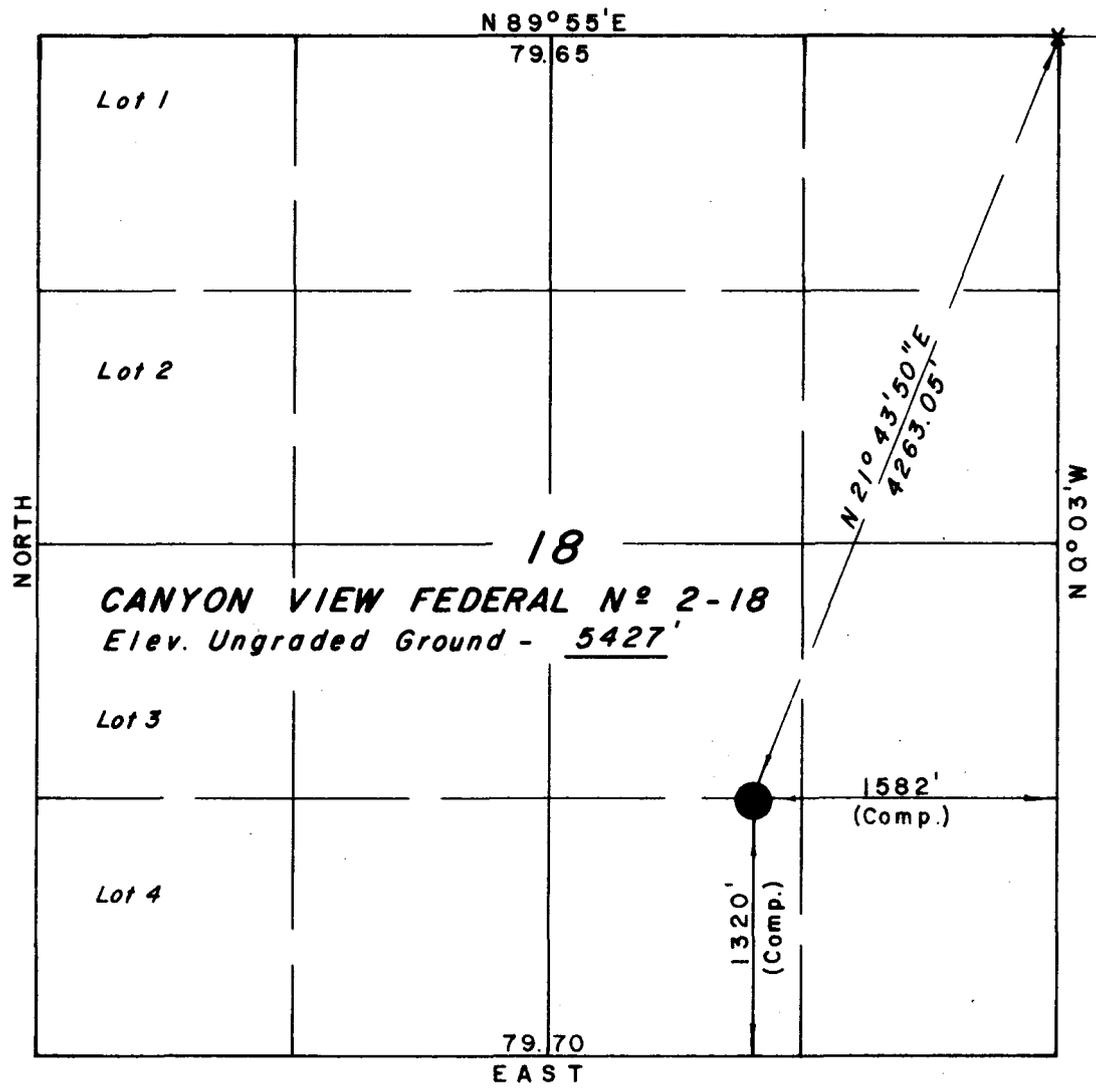
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

T 10 S , R 23 E , S. L. B. & M.

PROJECT
ENSERCH EXPLORATION INC.

Well location, *CANYON VIEW FEDERAL N^o 2-18*, located as shown in the SE 1/4 Section 18, T10S, R23E, S.L.B.&M. Uintah County, Utah.



North 1/4 Cor. Section 17, T10S, R23E, S.L.B.&M.



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.

Gene Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION N^o 3154
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING P. O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 12 / 5 / 78
PARTY SS JM SH RP	REFERENCES GLO Plat
WEATHER Cold & Snowing	FILE ENSERCH EXPLORATION

X = Section Corners Located

GEOLOGICAL CASING AND BOPE DATA

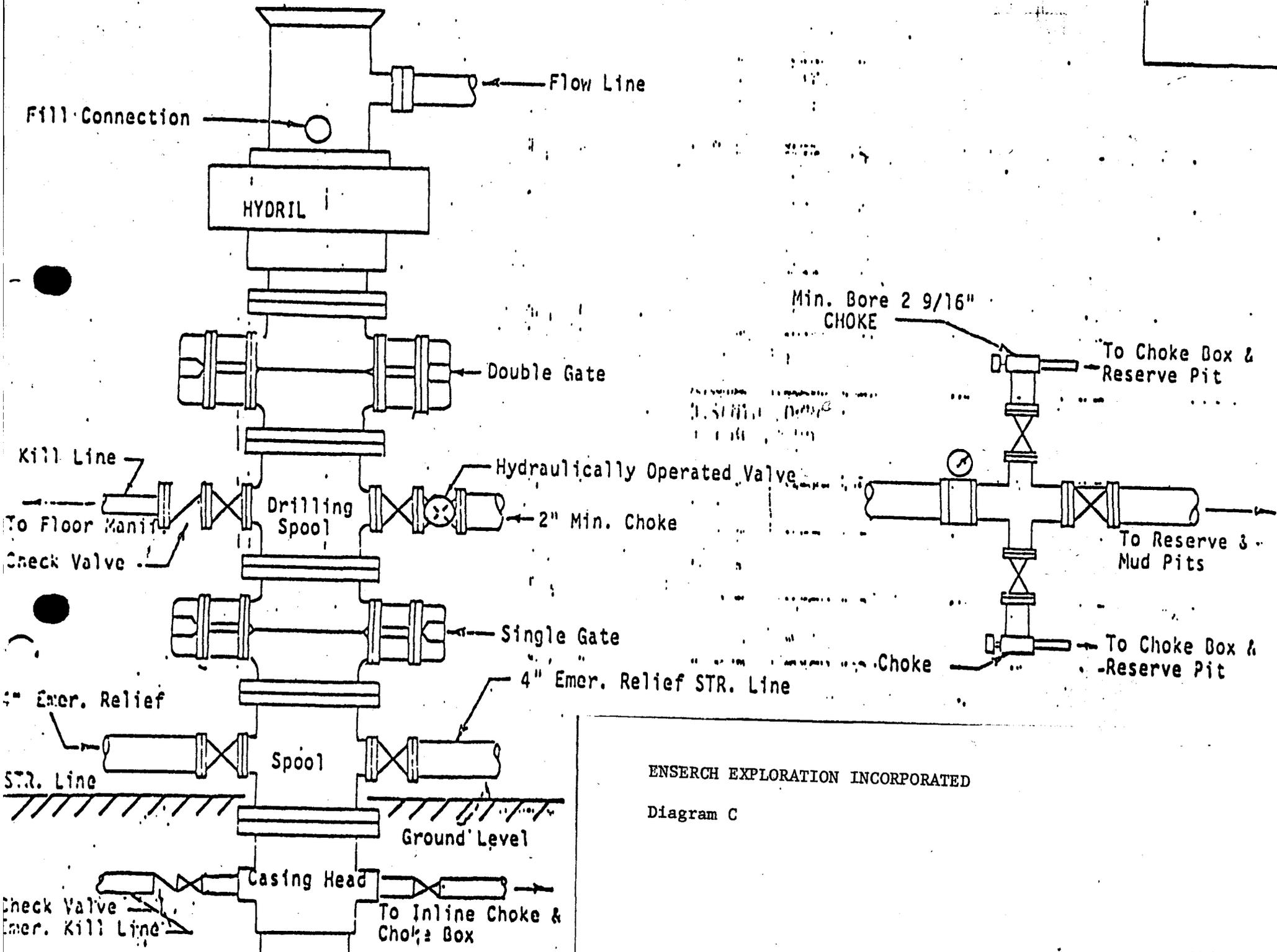
1. Surface Formation - Uintah
2. Estimated tops of important geological markers:

Green River	800
Wasatch	4010
Mesa Verde	5620
3. Expected mineral-bearing formation:

Mesa Verde	5620
------------	------
4. Proposed casing program:

Surface casing - New 13 3/8" 48.0# H-40 ST&C 200'
Intermediate (If needed) New 8 5/8" 24.0# K-55 LT&C 2,000'
Production casing - New 4 1/2 11.6# N-80 LT&C 7,000'
5. Blowout preventors:
 - A. 12" x 3000# Shafer blowout preventor and Hydril with choke and kill lines.
 - B. Pressure test to 1000 psi before drilling out below the surface casing.
Test operation of the BOPE on each trip.
6. Circulating medium:
 - A. Surface to 200' - fresh water, native mud with gel.
 - B. 200' to 4010' - fresh water.
 - C. 4010' to TD - salt based mud.
7. Auxiliary equipment:
 - A. Kelly Cock
 - B. Float at bit
 - C. Full-opening quick-close drill pipe valve on derrick floor at all times.
8. Testing, logging and coring procedures:
 - A. Cores - none planned
 - B. Tests - possible DST Wasatch and Mesa Verde
 - C. Logging - Dual induction laterolog, formation density and compensated neutron.
9. Anticipated hazards:

No abnormal pressures or temperatures, hydrogen sulfide or other drilling hazards are anticipated.
10. Anticipated starting date - March 1, 1979



ENSERCH EXPLORATION INCORPORATED
 Diagram C

ENSERCH EXPLORATION INCORPORATED

13 Point Surface Use Plan

for

Well Location

Canyon View Federal #2-18

Located In

Section 18, T10S, R23E, S.L.B. & M.

Uintah County, Utah

ENSERCH EXPLORATION INCORPORATED
Canyon View Federal #2-18
Section 18, T10S, R23E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Enserch Exploration Incorporated well location Canyon View Federal #2-18 located in the W $\frac{1}{2}$ SE $\frac{1}{4}$ Section 18, T10S, R23E, S.L.B. & M., from Vernal, Utah:

Proceed East out of Vernal, Utah along U.S. Highway 40, 24 miles to the junction of this Highway and Utah State Highway 45 to the South; proceed Southerly along Utah State Highway 45, 22 miles to Bonanza, Utah; proceed in a Westerly direction from Bonanza, Utah on an improved dirt road 4.3 miles to the point that an existing road exits to the Southwest; proceed Southwesterly along this road 1.3 miles to the junction of this road and a road to the Southwest; proceed Southwesterly along this road 4 miles to its junction with a road to the West; proceed in a Westerly direction along this road 5.8 miles to its junction with a road to the South; proceed Southerly along this road 0.6 miles to the beginning of the proposed access road (to be discussed in Item #2).

There is no new construction anticipated along any of the above described roads. They will meet the standards required for an orderly flow of traffic during the drilling, completion, and production of this well location.

The road will be maintained and kept at the necessary standards required for an orderly flow of traffic during the drilling, completion, and production activities of the location.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing road described in Item #1 in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 18, T10S, R23E, S.L.B. & M., and proceeds in a Southeasterly direction 0.4 miles to the proposed location site.

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

The proposed 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.

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

There will be no culverts required along this access road.

The road will be centerline flagged prior to the commencement of 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 that will provide the greatest sight distance. These turnouts will be 200' in length and 12' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and the outlet end.

2. PLANNED ACCESS ROAD - continued

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 terrain that is traversed by this road is over rolling hill type terrain and is vegetated by sagebrush and grasses.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are two Gas Wells within a one mile radius of this location, they are in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 17, and in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 18, T10S, R23E, S.L.B. & M.

There is a drill hole in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 13, T10S, R22E, S.L.B. & M.

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

4. LOCATION OF EXISTING AND PROPOSED PRODUCTION FACILITIES

See Topographic Map "B" and the location layout sheet.

There are no Enserch Exploration tank batteries production facilities, oil gathering lines, gas gathering lines, injection lines within a one-mile radius.

In the event that production is established the production facilities will be contained within the location site. No additional surface will be required. See location layout for production scheme.

The location of proposed facilities off of the location site is not known at this time, flow lines are being run to the other wells in the area by Natural Gas Pipeline Company of America. In the event that production is established at this well plans will be submitted for the proposed lines by the company mentioned above.

The rehabilitation of the area used for production facilities will meet the requirements of Items #7 and #10.

5. LOCATION OF AND TYPE OF WATER SUPPLY

Water to be used for the drilling of this well will be hauled by truck from the White River at an existing loading ramp located in the NE $\frac{1}{4}$ Section 17, T9S, R22E, S.L.B. & M., approximately 14 miles by road to the Northwest of the proposed location site. This water will be hauled over existing roads and the proposed access road. (See Topographic Map "A").

5. LOCATION OF AND TYPE OF WATER SUPPLY - continued

There will be no Water Well drilled at this location.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials 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.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve and burn pit will be constructed.

The reserve pit will be approximately 8' 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, produced fluids, etc.

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 at such time as 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 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.

The burn pit will be constructed and fenced on all four sides with a small mesh wire to prevent any flammable materials from escaping and creating a fire hazard.

All flammable materials will be burned and then buried upon completion of this 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.

9. WELL SITE LAYOUT

See Location Layout Sheet.

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

As mentioned in Item #7, 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 material necessary to make it 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, 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.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pits shall be buried with a minimum of 5' of cover.

As mentioned in Items #7, the reserve pits will be completely fenced and wired and overhead flagging installed if there is oil in the pits, and then 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 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 formed by the Blue Mountain Plateau and Green River to the North and the White River and the Roan Plateau to the South.

The Basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in a sandstones, conglomerates and shale deposits are extremely common to the area.

The geologic structures of the area that are visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevation and the cobblestone and younger alluvial deposits from the Quaternary Period.

11. OTHER INFORMATION - continued

Outcrops of sandstone ledges, conglomerate deposits, and shale are common in the area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil to poorly graded gravels to a clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and extremely heavy rain storms of long duration which are extremely rare as the normal annual rainfall in the area is only 8".

The White River to the South of this location is the only perennial stream that is affected by this location site.

Due to the low precipitation average, climate 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. It consists of areas of sagebrush, rabbit brush, some grasses, and cacti as the primary flora.

The fauna of the area consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and various small ground squirrels and other types of rodents. The area is used by man for the primary purposes of grazing domestic sheep and cattle.

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

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

Canyon View Federal #2-18 is located on a small knoll on a relatively flat area approximately 2500' East of the White River.

The majority of the drainages in the area are of a non-perennial nature and drain to the Southwest into the White River.

The terrain in the vicinity of the location site slopes to the East through the location at approximately a 1% grade.

Surface ownership of the lands involved by this location are B.L.M. administered.

The vegetation in the immediate area surrounding the location site is predominately 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").

ENSERCH EXPLORATION INCORPORATED
Canyon View Federal #2-18
Section 18, T10S, R23E, S.L.B. & M.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Leo Bleeker
Drilling Supervisor
7701 North Spemmons Freeway Suite 800
Dallas, Texas 75247 Phone: 214-630-8711

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 the Enserch Exploration Incorporated, and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

January 8, 1979
Date

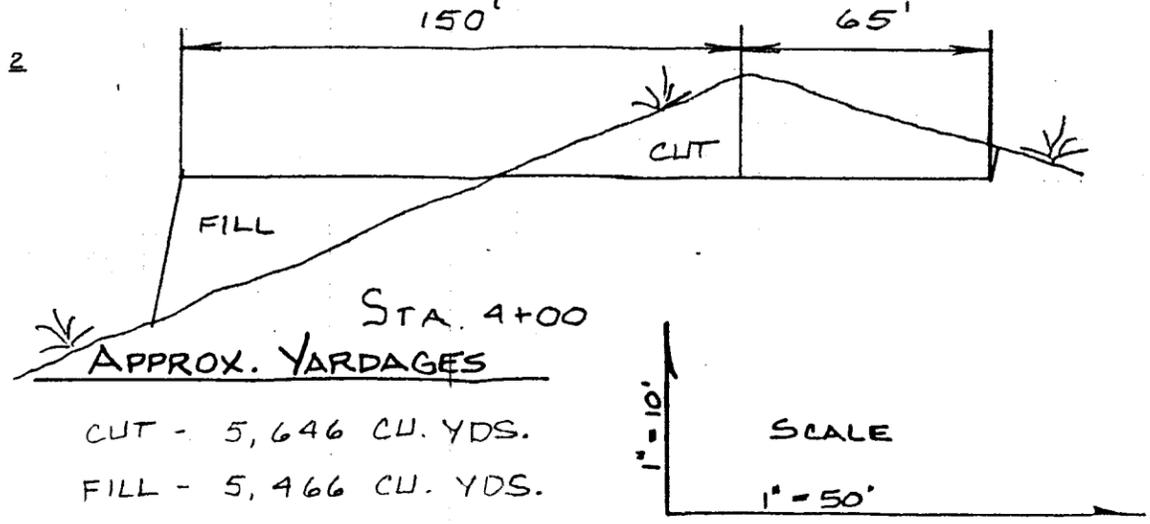
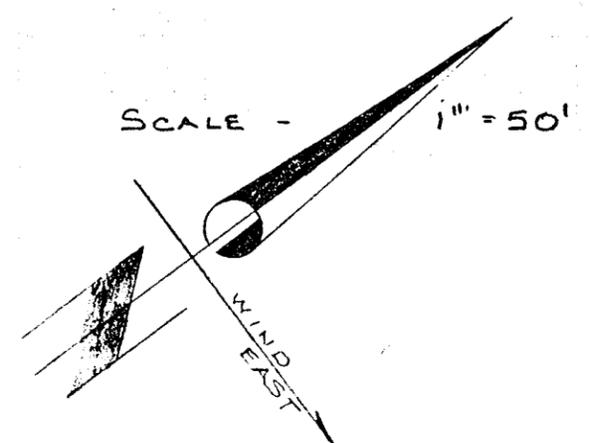
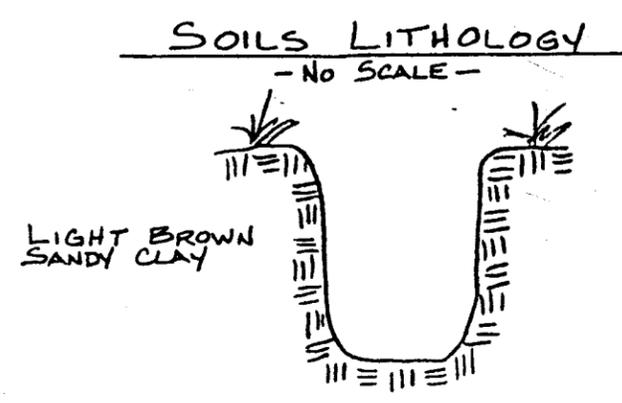
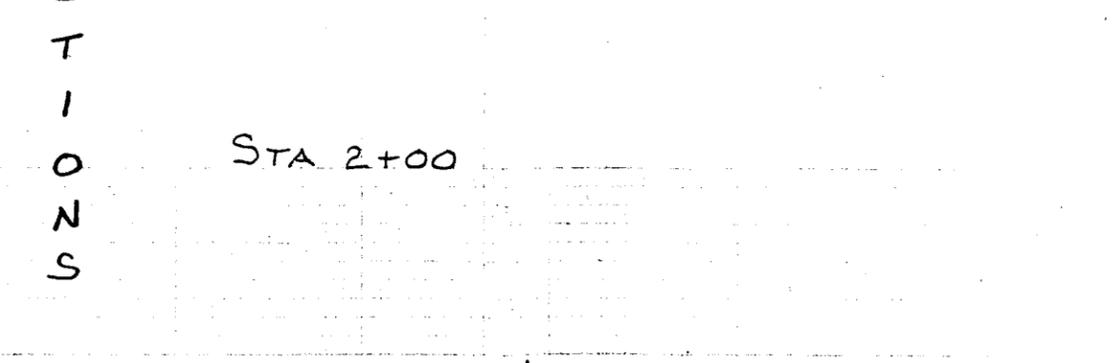
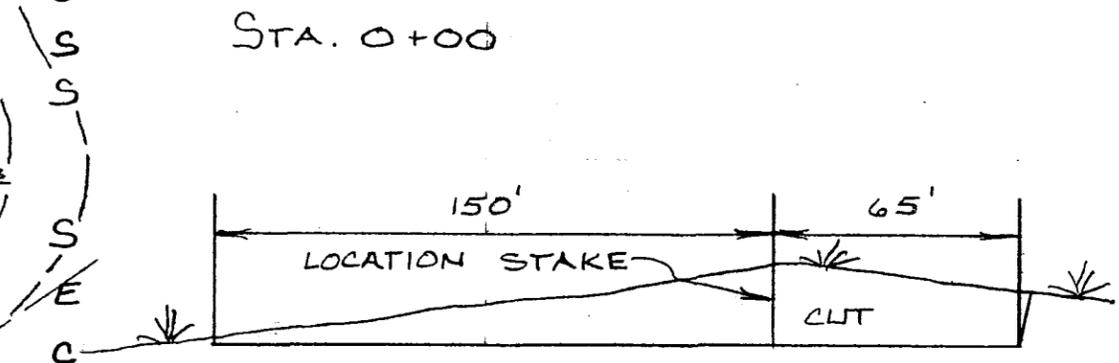
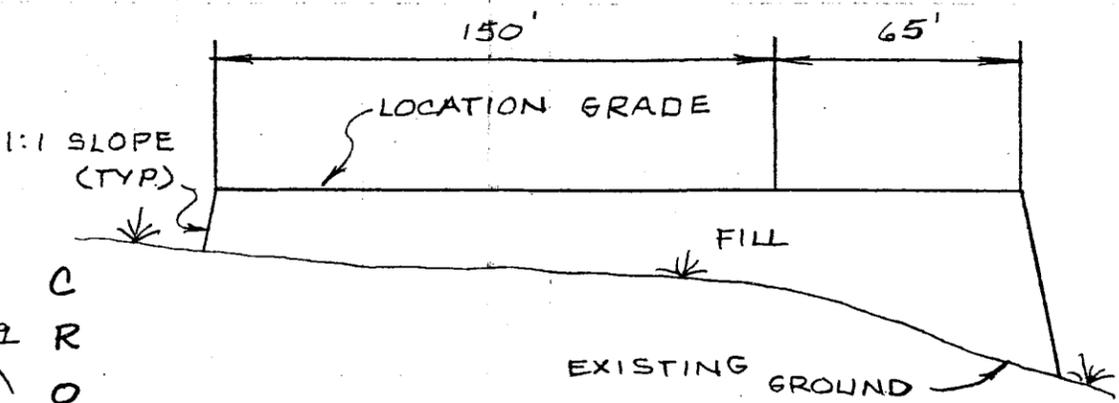
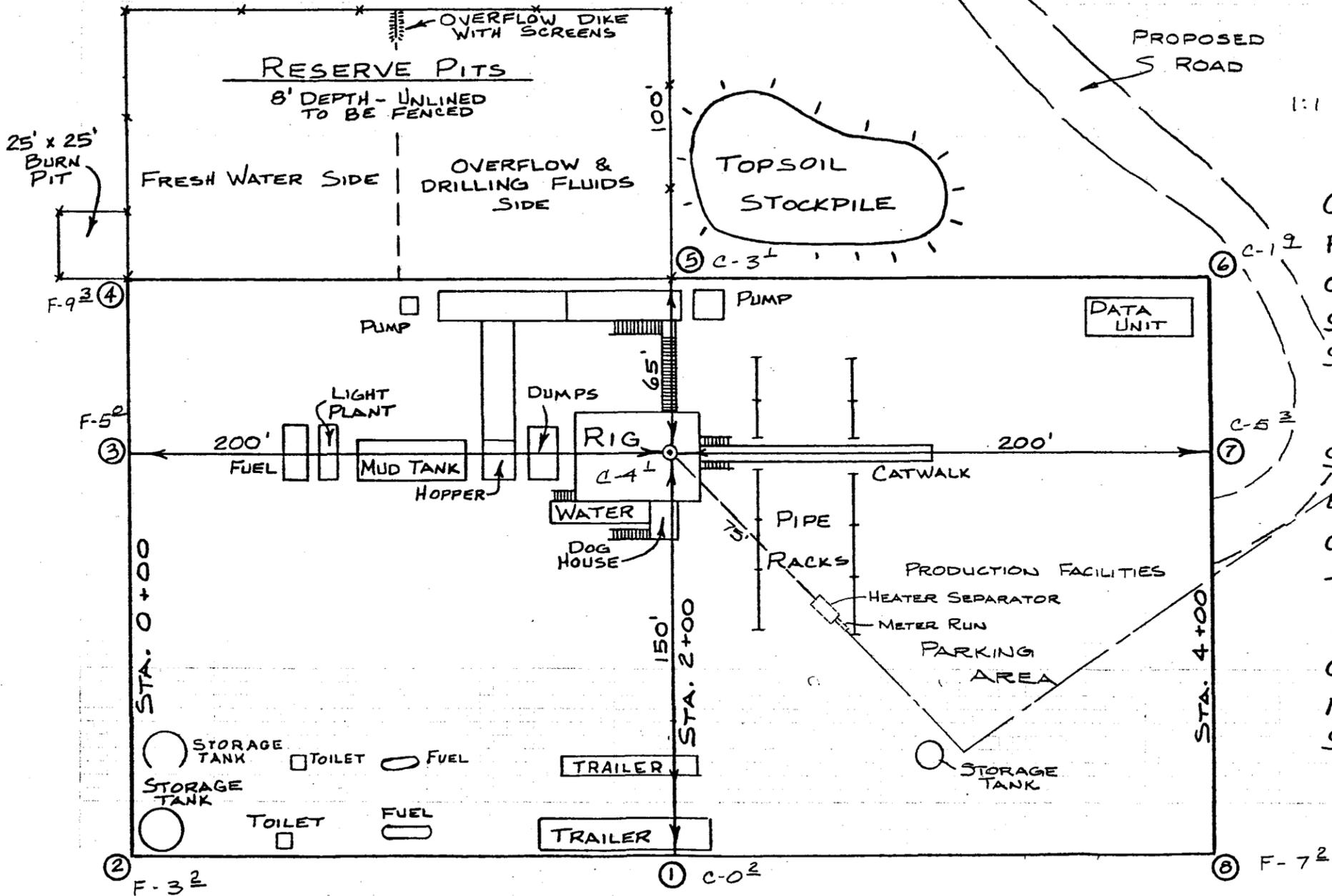


Leo Bleeker
Drilling Supervisor

ENSERCH EXPLORATION

LOCATION LAYOUT FOR

CANYON VIEW FED. #2-18
 LOCATED IN
 SECTION 18, T10S, R23E, S1B&M.



SEARCH EXPLORATION INC.
PROPOSED LOCATION
#2-18 CANYON VIEW FEDERAL



TOPO. MAP "A"

1" = 4 MILES



WONSIER VALLEY

10 MILES TO VERNAL

UINTAH AND OURAY INDIAN RESERVATION

Little Bonanza

Bonanza

Little Emma

PROPOSED LOCATION

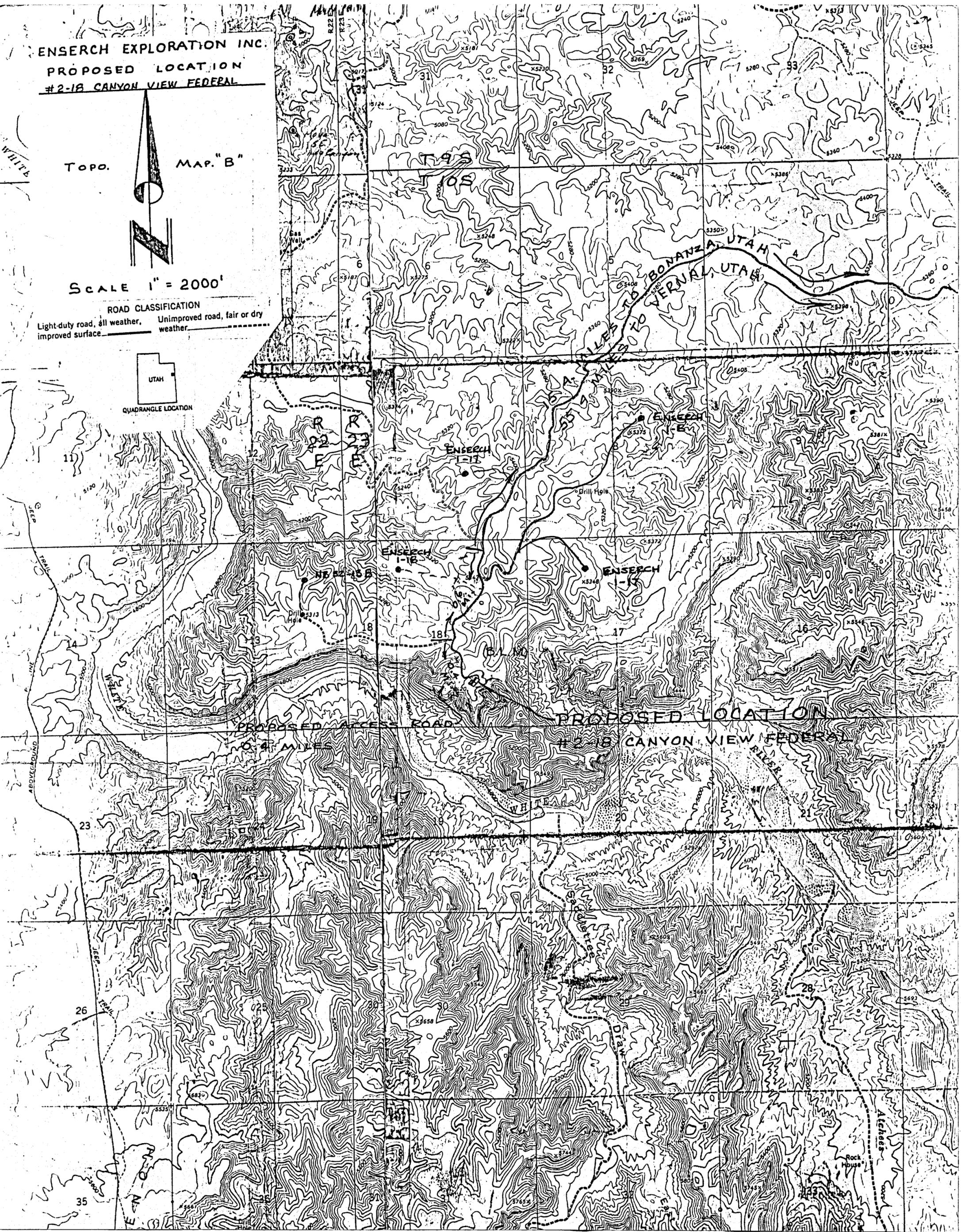
ENSERCH EXPLORATION INC.
PROPOSED LOCATION
#2-18 CANYON VIEW FEDERAL



TOPO. MAP. "B"

SCALE 1" = 2000'

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



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
Empire Central Building 7701 No. Spemmons Freeway Dallas, TX

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
1310' 1320' FSL 1582' FEL Section 18, T10S, R23E, S.L.B. & M.
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 Miles to Bonanza, 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
637.4

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
9000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5427'

22. APPROX. DATE WORK WILL START*
March 1, 1978

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	13 3/8	48.0	2000'	Suff. to circulate
7 7/8	4 1/2	11.6	9000'	Suff. to circulate

Operator proposes to drill well to total depth of 9,000' with water and salt base mud drilling fluid to test all zones through the Mesa Verde formation. 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 restored as per BLM instructions, and regulation dryhole marker erected.

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 [Signature] TITLE Drilling Supervisor DATE January 1, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (Orig. Sgd.) R. A. Henricks TITLE ACTING DISTRICT ENGINEER DATE MAR 09 1979

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)

STATE O & G

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-38421

OPERATOR: Enserch Exploration Inc.

WELL NO. 2-18

LOCATION: 1/2 SW 1/2 SE 1/4 sec. 18, T. 10S, R. 23E, SLM

UINTAH County, UTAH

1. Stratigraphy: The surface rocks are Uinta. Enserch Exploration Company well #1-18, same section, reports the following TOPS: Green River - 800', Wasatch - 4010', Mesaverde - 5620'. T.D. 700'.
Productive zone: Mesaverde 6104 - 6874, Int. Showing IPF 1399 MCF GPD.
2. Fresh Water: Usable water may be encountered to a depth of about 500 feet. Water also may be found in the Uinta & Green River Fms (± 800').
3. Leasable Minerals: Oil Shale & other bitumin beds may occur in the Green River Fm (0-800'). Coal beds may also occur in the Mesaverde Group. These coal beds may be thin & lenticular.
4. Additional Logs Needed: Density & sonic logs to identify coal, oil shale & bitumin beds
5. Potential Geologic Hazards: Unknown.
6. References and Remarks: USGS MF-697, I-736.
Within Bitter Creek KGS

Signature: emb

Date: 1-23-79

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: Jan. 18 -
Operator: Cusick Explorator
Well No: Canyon (New) Prod. 2-18
Location: Sec. 18 T. 10S R. 23E County: Uintah

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API NUMBER: 43-047-30563

CHECKED BY:
Administrative Assistant AW *Sec. Change*
Remarks: Ob - file Order
Petroleum Engineer MRS. M.
Remarks:
Director _____
Remarks:

INCLUDE WITHIN APPROVAL LETTER:
Bond Required: Survey Plat Required:
Order No. 129-1 Surface Casing Change
to _____

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

O.K. Rule C-3 O.K. In _____ Unit

Other:

Letter Written/Approved



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

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

January 23, 1979

I. DANIEL STEWART
Chairman

CLEON B. FEIGHT
Director

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN

Enserch Exploration Inc.
7701 No. Spemmons Freeway
Empire Central Building
Dallas, Texas

Re: Well No's:
Pete's Flat Federal 1-1,
Sec. 1, T. 10 S, R. 23 E,
NSO Federal 1-12,
Sec. 12, T. 10 S, R. 23 E,
Shepherd Federal 1-10,
Sec. 10, T. 10 S, R. 23 E,
Sage Hen Federal 2-6,
Sec. 6, T. 10 S, R. 23 E,
Sagebrush Federal 2-8,
Sec. 8, T. 10 S, R. 23 E,
No Name Canyon Federal 2-9,
Sec. 9, T. 10 S, R. 23 E,
Jack Rabbit Federal 2-11,
Sec. 11, T. 10 S, R. 23 E,
~~Canyon View Federal 2-18,~~
Sec. 18, T. 10 S, R. 23 E,
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 179-1.

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
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.

Enserch Exploration Inc.
January 23, 1979
Page Two

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:

#1-1: 43-047-30558	#2-8: 43-047-30564
#1-12: 43-047-30560	#2-9: 43-047-30561
#1-10: 43-047-30559	#2-11: 43-047-30562
#2-6: 43-047-30565	#2-18: 43-047-30563

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

sw

cc: U.S. Geological Survey

SCOTT M. MATHESON
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

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

CHARLES R. HENDERSON
Chairman

CLEON B. FEIGHT
Director

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

December 4, 1979

Enserch Exploration Inc.
Empire Central Bldg. 7701 NO. Spemmons Freeway
Dallas, Texas 75247

RE: SEE ATTACHMENT SHEET FOR WELLS.

Gentlemen:

In reference to above mentioned well(s), 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 this well (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 (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan on drilling this well 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

ATTACHMENT SHEET FOR WELLS INVOLVED.

- 1) Well No. Canyon View Fed. #2-18
- 2) Well No. Cliff Edge Fed. #2-15
- 3) Well No. Jack Rabbit Fed. #2-11
- 4) Well No. No Name Cyn. Fed. #2-9
- 5) Well No. Sagebrush Fed. # 2-8
- 6) Well No. Flat Mesa Fed. # 2-7
- 7) Well No. Sage Hen Fed. # 2-6



RECEIVED

SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

WEST DRILLING

STATE OF UTAH

CHARLES R. HENDERSON
Chairman

DEPARTMENT OF NATURAL RESOURCES

CLEON B. FEIGHT
Director

DIVISION OF OIL, GAS, AND MINING

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

December 4, 1979

Enserch Exploration Inc.
Empire Central Bldg. 7701 NO. Spemmons Freeway
Dallas, Texas 75247

RE: SEE ATTACHMENT SHEET FOR WELLS.

Gentlemen:

In reference to above mentioned well(s), 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 this well (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 (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan on drilling this well 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

RECEIVED

MAR 10 1980

DIVISION OF
OIL, GAS & MINING

ATTACHMENT SHEET FOR WELLS INVOLVED.

- 1) Well No. Canyon View Fed. #2-18
- 2) Well No. Cliff Edge Fed. #2-15
- 3) Well No. Jack Rabbit Fed. #2-11
- 4) Well No. No Name Cyn. Fed. #2-9
- 5) Well No. Sagebrush Fed. # 2-8
- 6) Well No. Flat Mesa Fed. # 2-7
- 7) Well No. Sage Hen Fed. # 2-6

RECEIVED

MAR 10 1980

DIVISION OF
OIL, GAS & MINING

March 7, 1980

RECEIVED

MAR 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

Gentlemen:

*Well No.
Canyon View Fed. 2-18*

This is in response to a letter received from your office dated December 4, 1979, requesting our intention to drill in regard to the wells in the Bonanza area. (See attachment.)

The engineer handling this area is no longer with our company and the above mentioned letter was just now found in his desk.

We plan to start drilling these wells in the Bonanza area this spring. I apologize for any inconvenience that has resulted in our not notifying you sooner.

Respectfully,

Bruce Lowrance

Bruce Lowrance
Enserch Exploration, Inc.
Drilling Engineer

BL/km

Attachment

OCTOBER 30, 1980

Ensearch Exploration, Inc.
7701 N. Stemmons Freeway, Suite #800
Dallas, Texas 74247

RE: SEE ATTACHED SHEET FOR THE
WELL NAMES

Gentlemen:

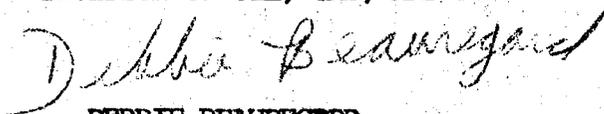
In reference to above mentioned well(s), Considerable time has gone by since approval was obtained from this office.

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 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



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
Drilling Engineer

BL/hrs

RECEIVED

NOV 23 1980

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE

5. LEASE DESIGNATION AND SERIAL NO.
U-38421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Canyon View Federal

9. WELL NO.
2-18

10. FIELD AND POOL, OR WILDCAT
Bonanza

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 18, T10S, R23E
S.L.B.&M

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

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, Inc.

3. ADDRESS OF OPERATOR
1230 River Bend Drive - Suite 136 - Dallas, Texas 75247

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1300' FSL & 1582' FEL- Sec. 18, T10S, R23E, S.L.B.&M.
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 miles to Bonanza, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1320' (1058')

16. NO. OF ACRES IN LEASE
637.4

17. NO. OF ACRES ASSIGNED TO THIS WELL
320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
3299'

19. PROPOSED DEPTH
9000

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5427

22. APPROX. DATE WORK WILL START*
A.S.A.P.

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	300	Suff. to circ.
12-1/4"	8-5/8"	24#	2000	250 sacks
7-7/8"	4-1/2"	11.6#	9000	1000 sacks

Operator proposed to drill to a total depth of 9000' with water and salt base drilling fluid to test all zones through the Mesa Verde Formation. A 12" x 3000 psi weld on head and 12" x 3000 psi doublegate and spherical BOP will be installed and tested to 1000 psi. BOP will be checked daily. If the well is non-productive, casing will be restored as per BLM instructions, and regulation dry hole marker erected.

***APPROVED BY THE DIVISION OF OIL, GAS, AND MINING**
 DATE: 3-5-81
 BY: [Signature]

DUPLICATE - Proposed casing & cementing Program revised

FEB

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 C. H. Peoples TITLE Regional Drilling Manager DATE February 4, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

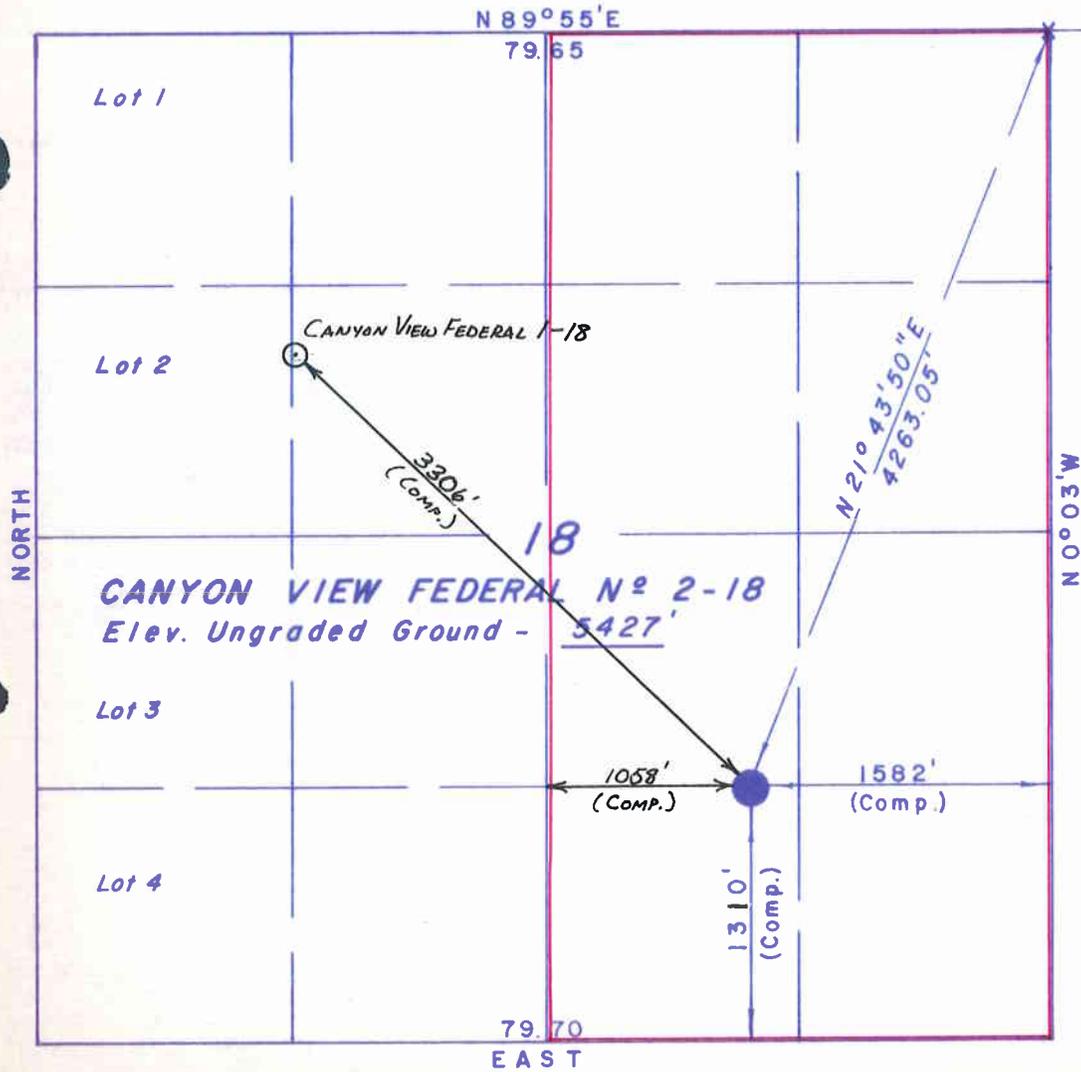
APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

PROJECT

ENSERCH EXPLORATION INC.

T 10 S , R 23 E , S. L. B. & M.

Well location, *CANYON VIEW FEDERAL N^o 2-18*, located as shown in the SE 1/4 Section 18, T10S, R23E, S.L.B.&M. Uintah County, Utah.



North 1/4 Cor. Section 17, T10S, R23E, S.L.B.&M.



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.

Dore Stewart

REGISTERED LAND SURVEYOR
REGISTRATION N^o 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING			
P. O. BOX Q - 110 EAST - FIRST SOUTH			
VERNAL, UTAH - 84078			
SCALE	1" = 1000'	DATE	12/5/78
PART	SS JM SH RP	REFERENCES	GLO Plat
WEATHER	Cold & Snowing	FILE	ENSERCH EXPLORATION

X = Section Corners Located

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 Enserch Exploration, Inc.
 Project Type Gas Well Drilling
 Project Location ~~1320'~~ ^{1324'} FSL ^{1596'} ~~1599'~~ FEL Section 18, T. 10S, R. 23E.
 Well No. 2-18 Lease No. U-38421
 Date Project Submitted February 17, 1981

FIELD INSPECTION Date March 3, 1981

Field Inspection Participants

<u>Greg Darlington</u>	<u>USGS, Vernal</u>
<u>Cory Bodman</u>	<u>BLM, Vernal</u>
<u>Gene Stewart</u>	<u>Enserch Exploration</u>
<u>Benny Siaz</u>	<u>Enserch Exploration</u>
<u>Earl Cady</u>	<u>Ross Construction</u>

Related Environmental Documents: Unit Resource Analysis, Bonanza Planning Unit, BLM, Vernal

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.

March 9, 1981
 Date Prepared

Gregory Darlington
 Environmental Scientist

I concur
3/13/81
 Date

EW Long
 District Supervisor

PROPOSES ACTION:

Enserch Exploration, Inc. proposes to drill the Canyon View Federal #2-18 well, a 9000' gas test of the Mesaverde formation. An existing .4 miles of jeep trail would be upgraded to an 18' crown road. A pad 200' by 400' and a reserve pit with sides of lengths 55', 200', 115', and 210' is proposed for this project. Total new surface disturbance associated with the project will be about 2.2 acres.

RECOMMENDED APPROVAL CONDITIONS:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD:

1. BLM Stipulations
2. Lease Stipulations
3. Provide adequate logs of other potentially valuable minerals as requested by the Mineral Evaluation Report and Mining Report.

FIELD NOTES SHEET

Date of Field Inspection: March 3, 1981

Well No.: 2-18 Canyon View Federal

Lease No.: U-38421

Approve Location: ✓ minor move

Approve Access Road: ✓ upgrade and smooth out existing jeep trail

Modify Location or Access Road: Moved location 10 feet N and 17 feet W and well site also (20 feet toward stake 1)

The direction arrow on the layout diagram was off 180° from True North. 1320' FSL 1599' FEL

Evaluation of Criteria for Categorical Exclusion

- 1. Public Health and Safety
- 2. Unique Characteristics
- 3. Environmentally Controversial Items
- 4. Uncertain and Unknown Risks
- 5. Establishes Precedents
- 6. Cumulatively Significant
- 7. National Register Historic Places
- 8. Endangered/Threatened Species
- 9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) About .5 miles from the White River

The pad is on a ridgetop, the pits are at the edge of the ridgetop. Pad + Well site moved to allow bigger pits in more solid base. Not have to go over the edge of the hill to dig them. pit, 55', 200', 115', 210' sides.

pad 200' x 400'

2.2 acres.

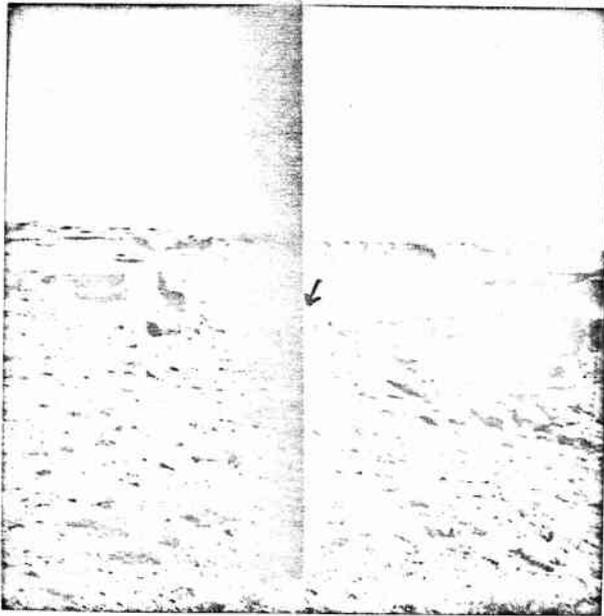
Based on 20' move to NW location becomes 1324' FSL and 1596' FEL
WPM

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							1,2,4,6	3-3-81	
2. Unique charac- teristics							1,2,4,6	3-3	
3. Environmentally controversial							1,2,4,6	3-3	
4. Uncertain and unknown risks							1,2,4,6	3-3	
5. Establishes precedents							1,2,4,6	3-3	
6. Cumulatively significant							1,2,4,6	3-3	
7. National Register historic places							1,6	3-3	
8. Endangered/ threatened species							1,6	3-3	
9. Violate Federal, State, local, tribal law							1,2,4,6	3-3	

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
8. *USGS conditions of approval*



*White River from 2-18
Enserch Location*



*North View of
Enserch 2-18*



United States Department of the Interior

IN REPLY REFER TO

T & R
U-802

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

March 5, 1981

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



Re: Ensearch Exploration, Inc.
Well # 2-7 Sec 7, T10S,
R23E, U-38420
Well # 2-18 Sec 18, T10S,
R23E, U-38421
Uintah County, Utah

Dear Mr. Guynn:

A joint examination was made on March 3, 1981, of the above referenced well site locations and proposed access roads. We feel that the surface use and operating plans are adequate with the following stipulations:

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 brochure, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. Traveling off access road rights-of-way will not be allowed. The maximum width of access road (both existing and planned) will be 30 feet total disturbed area, except where backslopes and fills require additional area. Turnouts will not be required. The road will be crowned and bar ditches installed where necessary.
3. It was agreed upon by all parties present that the applied for pad sizes are of adequate size to handle all drilling and fracturing operations.
4. The BLM must be contacted at least 24 hours prior to any construction activities.
5. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.

Continued



6. Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well sites. Refuse must be contained and hauled to an approved disposal site.
7. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.

Site Specific

Well # 2-7

1. The top 2-4 inches of topsoil will be gathered and stockpiled between reference points # 3 and 4.

Well # 2-18

1. The location was moved 20 feet to the northwest.
2. The distance between the drilling hole and corner # 5 was reduced from 65 feet to 50 feet.
3. The top 2-4 inches of topsoil will be gathered and stockpiled between corners # 6 and 7.

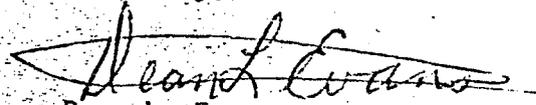
An archaeological clearance has been conducted by Archaeological Research Corporation on the proposed drill site and access road for Well # 2-18. No cultural material was located.

We have not received a cultural clearance for Well # 2-7.

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

The BLM representative will be Cory Bodman, 789-1362.

Sincerely,



Dean L. Evans
Area Manager
Bookcliff Resource Area

cc: USGS

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

Spieg

FROM: DISTRICT GEOLOGIST, O&G, SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-3842.1

OPERATOR: ENSERCH EXPLORATION, INC. WELL NO. 2-18

LOCATION: SE 1/4 NW 1/4 SE 1/4 sec. 18, T. 10S, R. 23E, 54M

UINTAH County, UTAH

1. Stratigraphy: OPERATORS TOPS ARE REASONABLE.

UINTAH - SURFACE
 GREEN RIVER - 800'
 MAHOGANY - 1377'
 WASATCH - 4010'
 MESAVERDE - 5620'
 T.D. - 9000'



2. Fresh Water: USABLE WATER MAY OCCUR TO DEPTHS OF ~3500'

3. Leasable Minerals: OIL SHALE MAY BE FOUND IN THE MAHOGANY ZONE ~1377'

4. Additional Logs Needed: NONE, LOGS USED SHOULD BE RUN THROUGH MAHOGANY ZONE ~1377'

5. Potential Geologic Hazards: POSSIBLE LOST CIRCULATION IN LEACHED ZONES ASSOCIATED WITH THE MAHOGANY.

6. References and Remarks: -

Signature: Larry Richardson

Date: 2-21-81

GEOLOGICAL CASING AND BOPE DATA

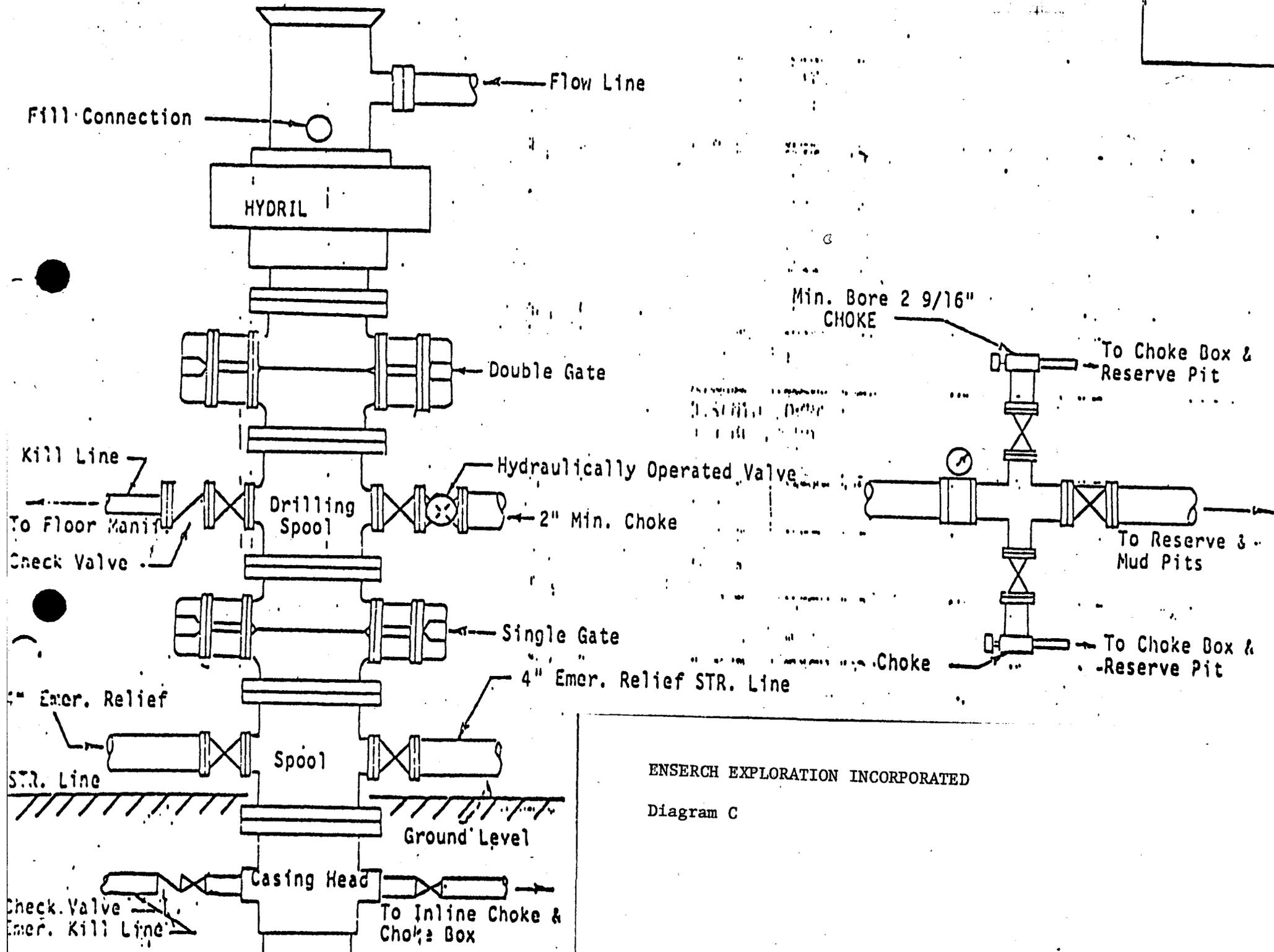
1. Surface Formation - Uintah
2. Estimated tops of important geological markers:

Green River	800
Wasatch	4010
Mesa Verde	5620
3. Expected mineral-bearing formation:

Mesa Verde	5620
------------	------
4. Proposed casing program:

Surface casing - New 13 3/8" 48.0# H-40 ST&C 300'
Intermediate (If needed) New 8 5/8" 24.0# K-55 LT&C 2,000'
Production casing - New 4 1/2 11.6# N-80 LT&C 9,000'
5. Blowout preventors:
 - A. 12" x 3000# Shafer blowout preventor and Hydril with choke and kill lines.
 - B. Pressure test to 1000 psi before drilling out below the surface casing.
Test operation of the BOPE on each trip.
6. Circulating medium:
 - A. Surface to 200' - fresh water, native mud with gel.
 - B. 200' to 4010' - fresh water.
 - C. 4010' to TD - salt based mud.
7. Auxiliary equipment:
 - A. Kelly Cock
 - B. Float at bit
 - C. Full-opening quick-close drill pipe valve on derrick floor at all times.
8. Testing, logging and coring procedures:
 - A. Cores - none planned
 - B. Tests - possible DST Wasatch and Mesa Verde
 - C. Logging - Dual induction laterolog, formation density and compensated neutron.
9. Anticipated hazards:

No abnormal pressures or temperatures, hydrogen sulfide or other drilling hazards are anticipated.
10. Anticipated starting date - ASAP



ENSERCH EXPLORATION INCORPORATED

Diagram C

ENSERCH EXPLORATION INCORPORATED

13 Point Surface Use Plan

for

Well Location

Canyon View Federal #2-18

Located In

Section 18, T10S, R23E, S.L.B. & M.

Uintah County, Utah

ENSERCH EXPLORATION INCORPORATED
Canyon View Federal #2-18
Section 18, T10S, R23E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Enserch Exploration Incorporated well location Canyon View Federal #2-18 located in the W $\frac{1}{2}$ SE $\frac{1}{4}$ Section 18, T10S, R23E, S.L.B. & M., from Vernal, Utah:

Proceed East out of Vernal, Utah along U.S. Highway 40, 24 miles to the junction of this Highway and Utah State Highway 45 to the South; proceed Southerly along Utah State Highway 45, 22 miles to Bonanza, Utah; proceed in a Westerly direction from Bonanza, Utah on an improved dirt road 4.3 miles to the point that an existing road exits to the Southwest; proceed Southwesterly along this road 1.3 miles to the junction of this road and a road to the Southwest; proceed Southwesterly along this road 4 miles to its junction with a road to the West; proceed in a Westerly direction along this road 5.8 miles to its junction with a road to the South; proceed Southerly along this road 0.6 miles to the beginning of the proposed access road (to be discussed in Item #2).

There is no new construction anticipated along any of the above described roads. They will meet the standards required for an orderly flow of traffic during the drilling, completion, and production of this well location.

The road will be maintained and kept at the necessary standards required for an orderly flow of traffic during the drilling, completion, and production activities of the location.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing road described in Item #1 in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 18, T10S, R23E, S.L.B. & M., and proceeds in a Southeasterly direction 0.4 miles to the proposed location site.

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

The proposed 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.

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

There will be no culverts required along this access road.

The road will be centerline flagged prior to the commencement of 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 that will provide the greatest sight distance. These turnouts will be 200' in length and 12' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and the outlet end.

2. PLANNED ACCESS ROAD - continued

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 terrain that is traversed by this road is over rolling hill type terrain and is vegetated by sagebrush and grasses.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are two Gas Wells within a one mile radius of this location, they are in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 17, and in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 18, T10S, R23E, S.L.B. & M.

There is a drill hole in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 13, T10S, R22E, S.L.B. & M.

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

4. LOCATION OF EXISTING AND PROPOSED PRODUCTION FACILITIES

See Topographic Map "B" and the location layout sheet.

There are no Enserch Exploration tank batteries production facilities, oil gathering lines, gas gathering lines, injection lines within a one-mile radius.

In the event that production is established the production facilities will be contained within the location site. No additional surface will be required. See location layout for production scheme.

The location of proposed facilities off of the location site is not known at this time, flow lines are being run to the other wells in the area by Natural Gas Pipeline Company of America. In the event that production is established at this well plans will be submitted for the proposed lines by the company mentioned above.

The rehabilitation of the area used for production facilities will meet the requirements of Items #7 and #10.

5. LOCATION OF AND TYPE OF WATER SUPPLY

Water to be used for the drilling of this well will be hauled by truck from the White River at an existing loading ramp located in the NE $\frac{1}{4}$ Section 17, T9S, R22E, S.L.B. & M., approximately 14 miles by road to the Northwest of the proposed location site. This water will be hauled over existing roads and the proposed access road. (See Topographic Map "A").

5. LOCATION OF AND TYPE OF WATER SUPPLY - continued

There will be no Water Well drilled at this location.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials 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.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve and burn pit will be constructed.

The reserve pit will be approximately 8' 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, produced fluids, etc.

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 at such time as 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 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.

The burn pit will be constructed and fenced on all four sides with a small mesh wire to prevent any flammable materials from escaping and creating a fire hazard.

All flammable materials will be burned and then buried upon completion of this 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.

9. WELL SITE LAYOUT

See Location Layout Sheet.

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

As mentioned in Item #7, 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 material necessary to make it 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, 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.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pits shall be buried with a minimum of 5' of cover.

As mentioned in Items #7, the reserve pits will be completely fenced and wired and overhead flagging installed if there is oil in the pits, and then 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 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 formed by the Blue Mountain Plateau and Green River to the North and the White River and the Roan Plateau to the South.

The Basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in a sandstones, conglomerates and shale deposits are extremely common to the area.

The geologic structures of the area that are visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevation and the cobblestone and younger alluvial deposits from the Quaternary Period.

11. OTHER INFORMATION - continued

Outcrops of sandstone ledges, conglomerate deposits, and shale are common in the area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil to poorly graded gravels to a clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and extremely heavy rain storms of long duration which are extremely rare as the normal annual rainfall in the area is only 8".

The White River to the South of this location is the only perennial stream that is affected by this location site.

Due to the low precipitation average, climate 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. It consists of areas of sagebrush, rabbit brush, some grasses, and cacti as the primary flora.

The fauna of the area consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and various small ground squirrels and other types of rodents. The area is used by man for the primary purposes of grazing domestic sheep and cattle.

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

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

Canyon View Federal #2-18 is located on a small knoll on a relatively flat area approximately 2500' East of the White River.

The majority of the drainages in the area are of a non-perennial nature and drain to the Southwest into the White River.

The terrain in the vicinity of the location site slopes to the East through the location at approximately a 1% grade.

Surface ownership of the lands involved by this location are B.L.M. administered.

The vegetation in the immediate area surrounding the location site is predominately 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").

ENSERCH EXPLORATION INCORPORATED
Canyon View Federal #2-18
Section 18, T10S, R23E, S.L.B. & M.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

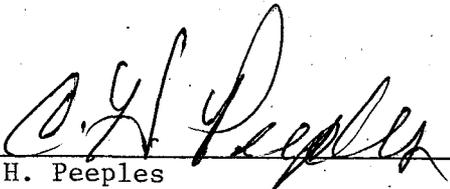
C. H. Peeples
Regional Drilling Manager
1230 River Bend Drive - Suite 136
Dallas, Texas 75247 - Phone: 214-630-8711

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 the Enserch Exploration Incorporated, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

February 6, 1981

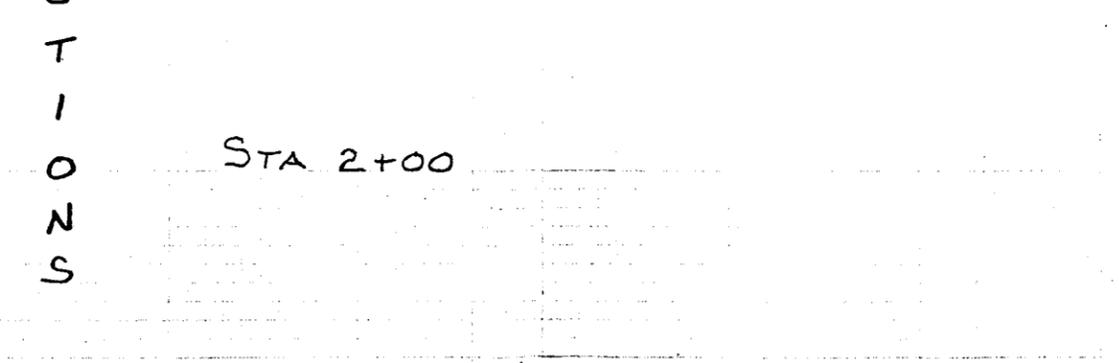
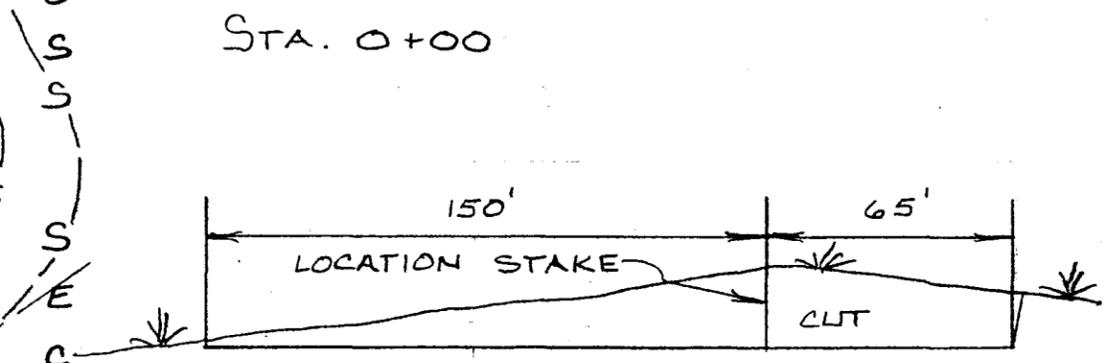
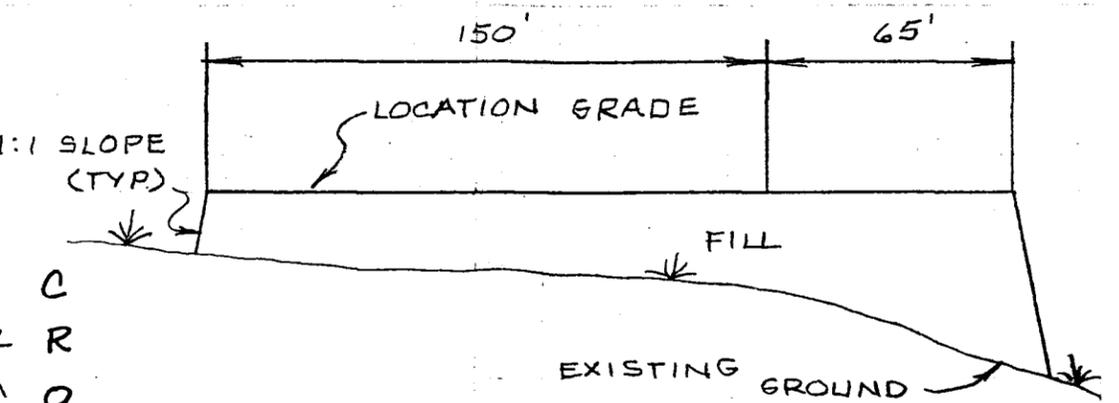
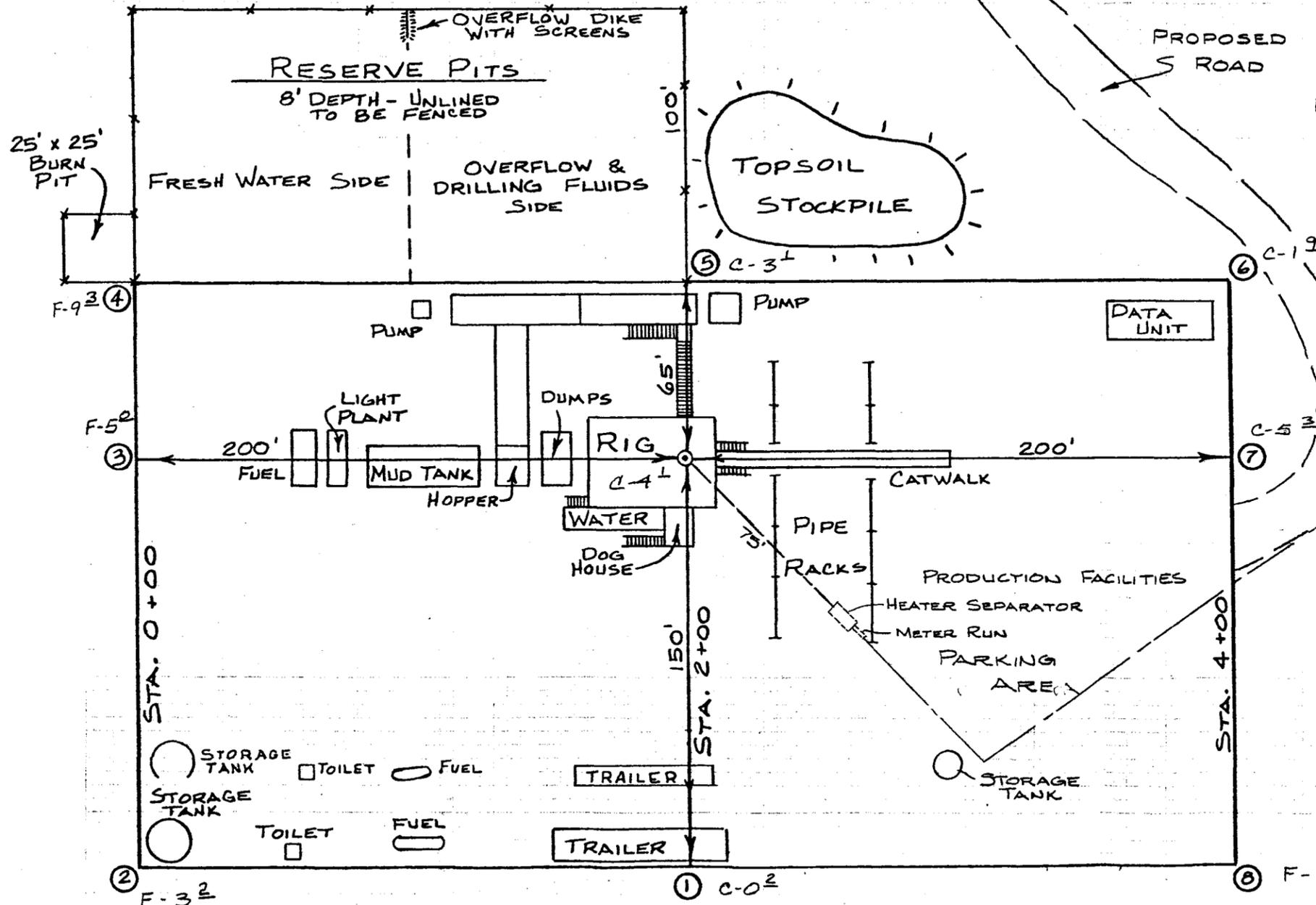
Date



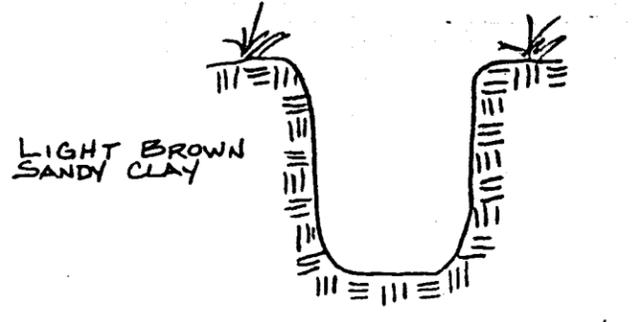
C. H. Peeples
Regional Drilling Manager

ENSERCH EXPLORATION

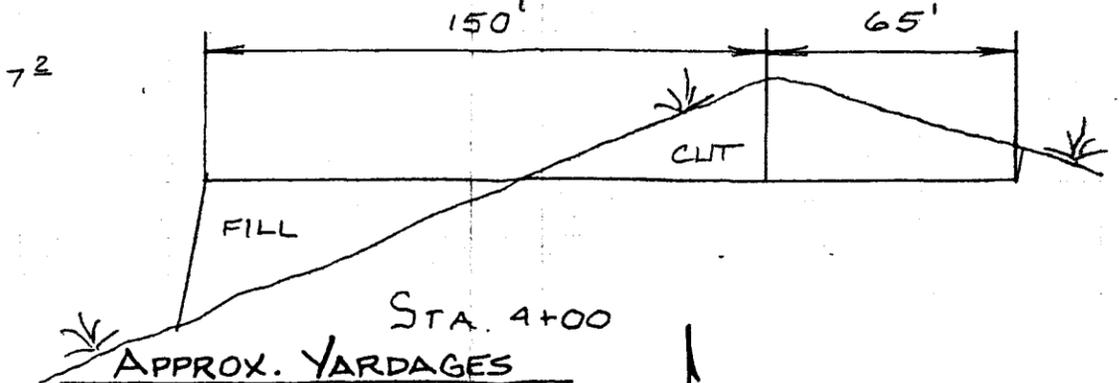
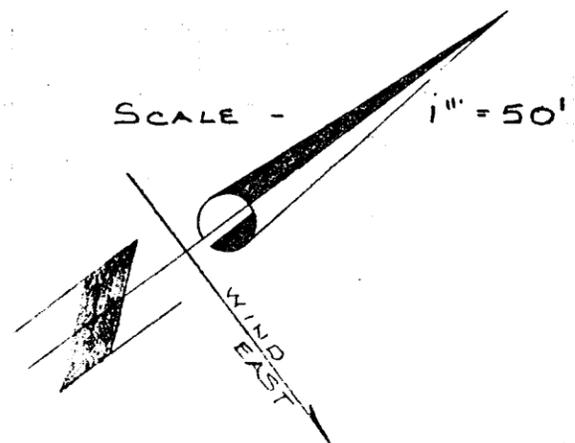
LOCATION LAYOUT
FOR
CANYON VIEW FED. #2-18
LOCATED IN
SECTION 18, T10S, R23E, S1.88M.



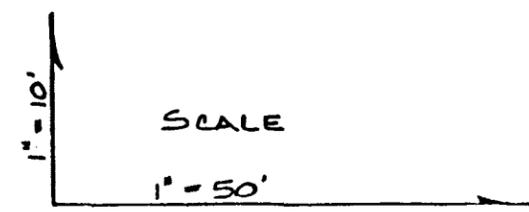
SOILS LITHOLOGY - NO SCALE -



SCALE - 1" = 50'



APPROX. YARDAGES
CUT - 5,646 CU. YDS.
FILL - 5,466 CU. YDS.



SCALE
1" = 50'

RESEARCH EXPLORATION INC.
PROPOSED LOCATION
#2-18 CANYON VIEW FEDERAL

TOPO. MAP "A"



1" = 4 MILES



40 MILES TO VERNON
40 MILES TO HUNTER

PROPOSED LOCATION

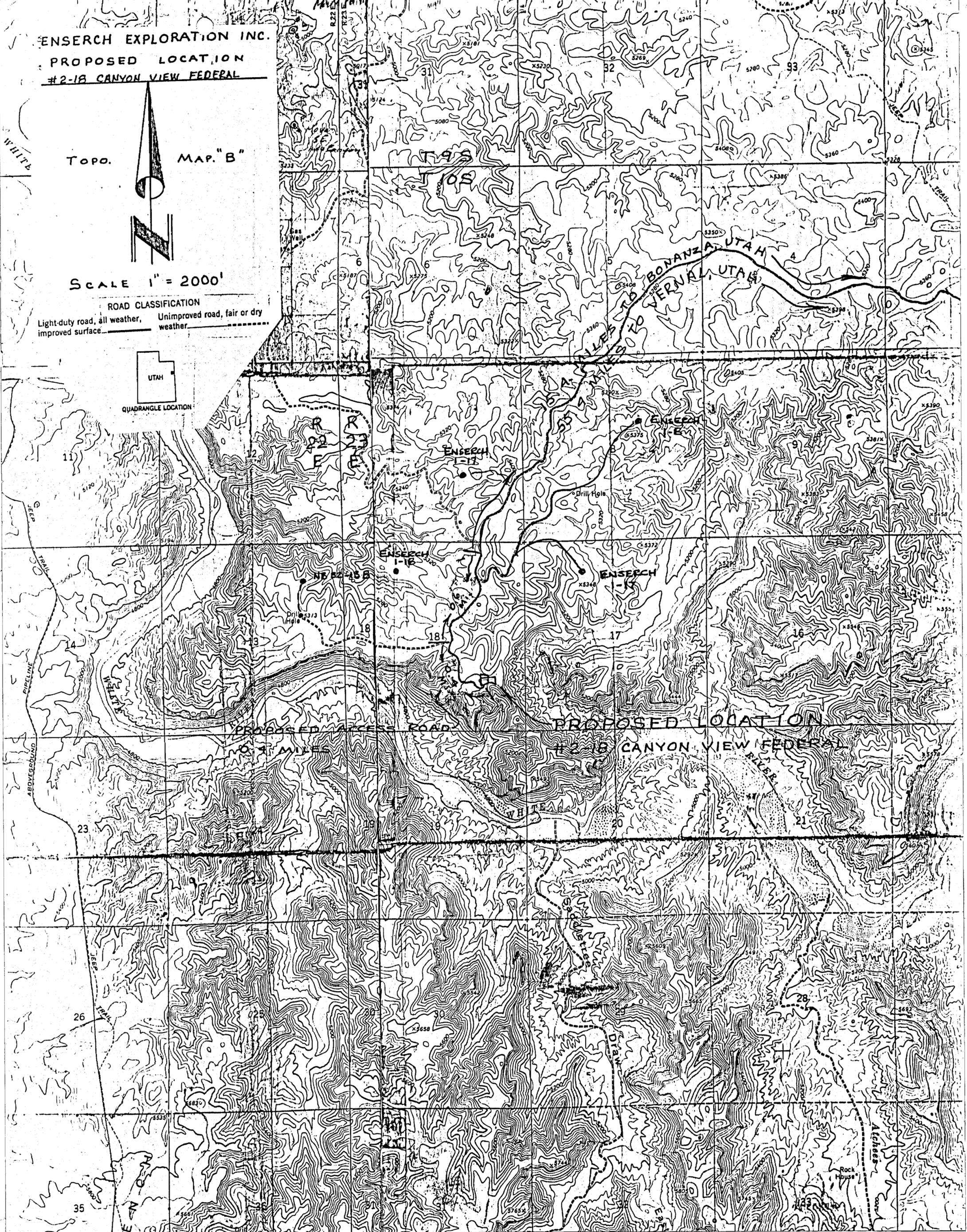
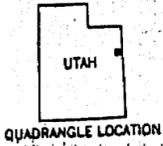
ENSERCH EXPLORATION INC.
PROPOSED LOCATION
#2-18 CANYON VIEW FEDERAL



Topo. MAP "B"

SCALE 1" = 2000'

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



Resubmittal of previously approved application

Form 9-711C (12/7/83)

DUPLICATE
UNITED STATES

SUBMIT IN DUPLICATE*
(Other Instructions on reverse side)

Form approved,
Budget Bureau No. 42 R1425.

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, Inc.

3. ADDRESS OF OPERATOR
 1230 River Bend Drive - Suite 136 - Dallas, Texas 75247

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
~~1310' FSL & 1592' FEL-~~ Sec. 18, T10S, R23E, S.L.B.&M.
 At proposed prod. zone
 1329' 1596' Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 15 miles to Bonanza, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) (1058') 1320'

16. NO. OF ACRES IN LEASE 637.4

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3299'

19. PROPOSED DEPTH 9000

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5427

22. APPROX. DATE WORK WILL START* A.S.A.P.

5. LEASE DESIGNATION AND SERIAL NO.
 U-38421

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Canyon View Federal

9. WELL NO.
 2-18

10. FIELD AND POOL, OR WILDCAT
 Bonanza

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 18, T10S, R23E
 S.L.B.&M

12. COUNTY OR PARISH 13. STATE
 Uintah Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	300	Suff. to circ.
12-1/4"	8-5/8"	24#	2000	250 sacks
7-7/8"	4-1/2"	11.6#	9000	1000 sacks

Operator proposed to drill to a total depth of 9000' with base drilling fluid to test all zones through the Mesa Verde formation. A 12" x 3000 psi weld on head and 12" x 3000 psi doublegate and spherical BOP will be installed and tested to 1000 psi. BOP will be checked the well is non-productive, casing will be restored as per BLM instructions, and regulation dry hole marker erected.

RECEIVED

APR 1 1981

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 C. H. Peoples TITLE Regional Drilling Manager DATE February 4, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY W.P. Martin FOR E. W. GUYNN DISTRICT ENGINEER DATE MAR 31 1981
 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
State of G

April 30, 1981

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

SEE ATTACHED SHEET ON BELLS 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 latter date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISON OF OIL, GAS, AND MINING



SANDY BATES
CLERK-TYPIST

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. 2018
Sec. 18, T. 10S. R. 23E.
Uintah County, Utah

May 6, 1981

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.

see
next pg. →

Canyon View Fed 2-18

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MAY 8 1981

DIVISION OF
OIL, GAS & MINING

May 6, 1981
State of Utah
Page 2

9. Well No. Canyon View Federal 2-18 - Sec 18,
T10S, R23E, Uintah County.

Very truly yours,



R. S. Brashier
Sr. Drilling Engineer

RSB:hrs



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

January 5, 1982

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

Re: See attached

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 (15) 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

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist

Well No. Eightmile #1
Sec. 24, T. 9S, R. 18E
Uintah County, Utah

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

Well No. Flat Mesa Federal 2-7
Sec. 7, T. 10S, R. 23E
Uintah County, Utah

Well No. Sagebrush Federal 2-8
Sec. 8, T. 10S, R. 23E
Uintah County, Utah

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

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

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

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

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

January 8, 1982

State of Utah
Natural Resources and Energy
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attn: Cari Furse

In reference to your letter dated January 5, 1982 concerning the attached list of approved permits to drill, we anticipate to spud the following on or about the indicated dates:

- (1) Eightmile Flat Well No. 1
Sec. 24-T9S-R18E
Uintah County, Utah
Spud approximately January 20, 1982
- (2) Flat Mesa Federal Well No. 2-7
Sec. 7-T10S-R23E
Uintah County, Utah
Spud approximately February 1, 1982

The remaining wells listed are not anticipated to be drilled in the near future and their applications may therefore be terminated. If there are any questions please advise.



R. S. Brashier
Senior Drilling Engineer
Enserch Exploration, Inc.
1230 River Bend Drive
Suite 136
Dallas, Texas 75247

RSB:hrs

Attach

Well No. Eightmile #1
Sec. 24, T. 9S, R. 18E
Uintah County, Utah

← SPUD 1-20-82

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

Well No. Flat Mesa Federal 2-7
Sec. 7, T. 10S, R. 23E
Uintah County, Utah

← SPUD 2-1-82

Well No. Sagebrush Federal 2-8
Sec. 8, T. 10S, R. 23E
Uintah County, Utah

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

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

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

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

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

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JAN 11 1982

DIVISION OF
OIL, GAS & MINING

L.A.

Minerals Management Service
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

April 9, 1982

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

Re: Rescind Application for Permit
to Drill
Well No. 2-18
Section 18-T10S-R23E
Uintah County, Utah
Lease No. U-38421

Gentlemen:

The Application for Permit to Drill the referenced well was approved on March 31, 1981. Since that date no known activity has transpired at the approved location. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

E. W. Gynn
District Oil & Gas Supervisor

bcc: SMA
State O&G ✓
State BLM
MMS-Vernal
Well File
APD Control
DH/dh