

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE **X** WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB REPORT/abd. \_\_\_\_\_

**Opp. Resinded 5.6.85**

DATE FILED **5-18-84**

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO \_\_\_\_\_ PUBLIC LEASE NO **U-44427** INDIAN \_\_\_\_\_

DRILLING APPROVED: **5-24-84 - OIL**

SPUDDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY A.P.I. \_\_\_\_\_

GOR. \_\_\_\_\_

PRODUCING ZONES \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: \_\_\_\_\_

DATE ABANDONED: **LA 5.6.85**

FIELD: **3/96 CASTLE PEAK**

UNIT: \_\_\_\_\_

COUNTY: **DUCHESNE**

WELL NO: **FEDERAL 1-9** API #**43-013-30946**

LOCATION: **2120' FNL** FT. FROM (N) (S) LINE. **733' FWL** FT. FROM (E) (W) LINE. **SWNW** 1/4 - 1/4 SEC. **9**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
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<b>9S</b>	<b>16E</b>	<b>9</b>	<b>ENSERCH EXPLORATION</b>
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**ENSERCH  
EXPLORATION** INC

1230 River Bend Drive  
Suite 136  
Dallas, Texas 75247  
214/630-8711

C. H. Peebles  
Regional Drilling Manager  
Western Region  
Drilling Department

May 16, 1984

**RECEIVED**

**MAY 18 1984**

**DIVISION OF OIL  
GAS & MINING**

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

Re: APD-NTL6 Submittal  
Enserch Exploration, Inc.  
Federal No. 1-9  
Section 9-T9S-R16E S.L.B.&M.  
Duchesne County, Utah

Dear Sir:

We are currently in the process of filing the Application for Permit to Drill for the captioned well with the Bureau of Land Management. Two copies of this permit have been sent to your office with this letter for your review and approval.

It is anticipated that drilling operations will commence as soon as possible after the approval of this application. For this reason, your timely handling of this permit is greatly appreciated. If there are any questions or if additional information is required, please advise.

Yours truly,



C. H. Peebles  
Regional Drilling Manager

DAC/hrs  
Attach

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface 2120' FNL & 733' FWL (SW $\frac{1}{4}$ -NW $\frac{1}{4}$ )  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 18.8 miles south of Myton, Utah

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 520'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5791' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	300'	Circulate to Surface
7-7/8"	5-1/2"	15.5#	6150'	Sufficient to cover productive zones and protect oil shale and aquifers

Propose to drill a 12-1/4 inch hole to 300 feet, set 8-5/8 inch casing and cement to surface. An 11 inch x 3000 psi bradenhead and 11 inch x 3000 psi double hydraulic pipe and blind rams, and annular blowout preventers will be installed and tested to 2000 psi. A 7-7/8 inch hole will then be drilled to a total depth of 6150 feet with a KCL base drilling fluid. If the well is evaluated to be productive, 5-1/2 inch production casing will be run and cemented. If the well is non-productive, the well will be plugged and abandoned according to B.L.M. requirements. The location will be re-stored as per B.L.M. instructions, and a dry hole marker erected.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 5/29/84

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

24. SIGNED C. H. Peoples TITLE Regional Drilling Manager DATE 5/15/84  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

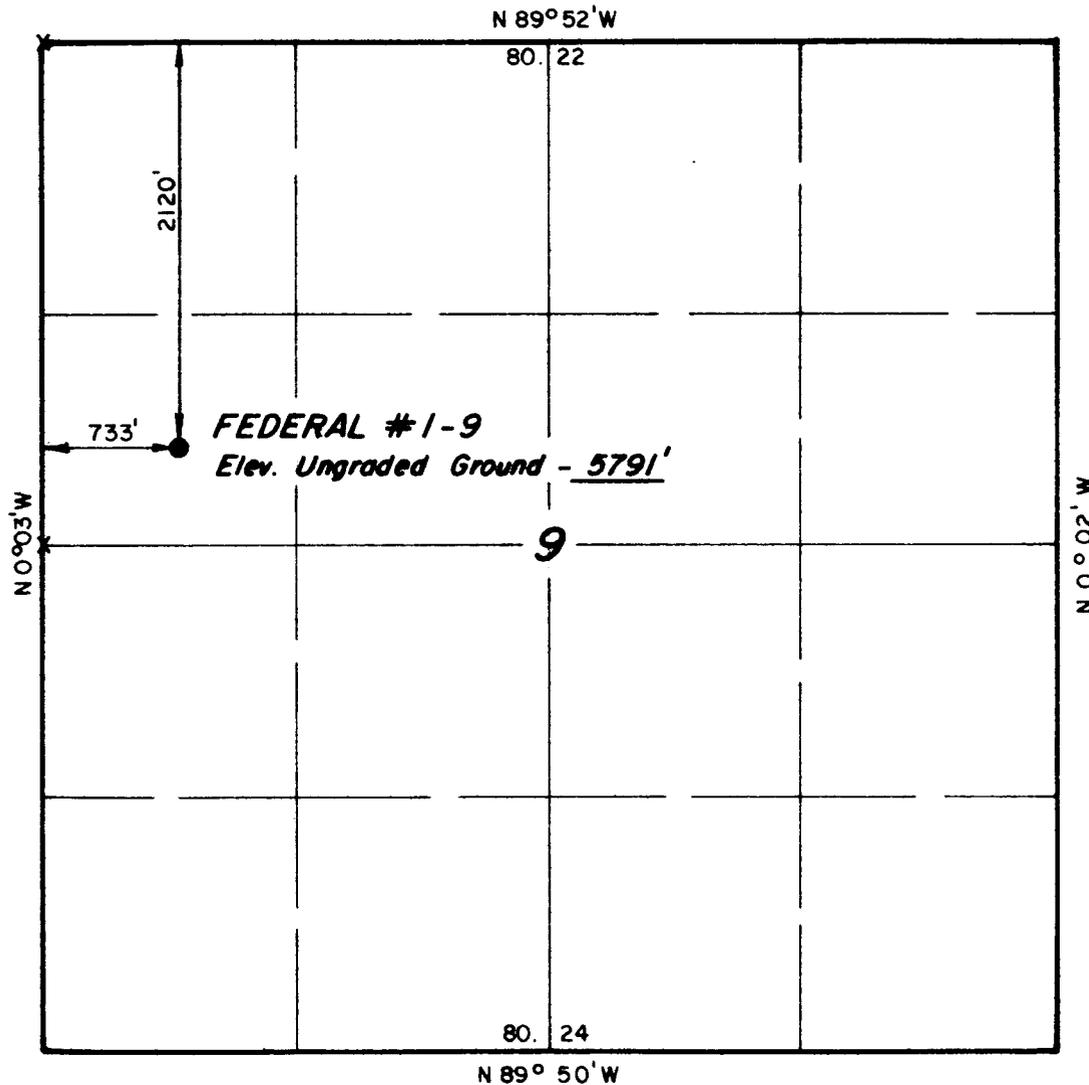
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

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

PROJECT  
ENSERCH EXPLORATION INC.

Well location, **FEDERAL #1-9**,  
located as shown in the SW 1/4  
NW 1/4 Section 9, T9S, R16E,  
S.L.B. & M. Duchesne County, Utah.



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

*[Handwritten Signature]*

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 2454  
STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> P. O. BOX Q - 85 SOUTH - 200 EAST VERNAL, UTAH - 84078			
SCALE	1" = 1000'	DATE	11 / 15 / 83
PARTY	DA SH      RP	REFERENCES	GLO Plat
WEATHER	FAIR	FILE	ENSERCH

X = Section Corners Located

LIST OF ATTACHMENTS

Conditions of Approval for Notice to Drill

- a. Drilling Program
- b. Thirteen Point Surface Use Plan

Minimum Blowout Preventer Requirements - Schematic

Well Location and Elevation Plat

Location Layout - Cut Sheet

Topographic Map "A"

Topographic Map "B"

Location of Wells Map "C"

Cultural Resource Inventory

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Enserch Exploration, Inc. Well No. 1-9  
Location Sec. 9, T9S, R16E Lease No. U-44427  
Onsite Inspection Date April 24, 1984

The Vernal District Petroleum Engineers have reviewed the Application or Permit to Drill for technical adequacy and concur with the down hole portion of the request providing the following stipulations are included as a part of the approval:

1. In accordance with API RP 53, 3000 psi BOP stacks shall include an annular-type preventer.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

COMPANY: Enserch Exploration, Inc. WELL NO: Federal No. 1-9

LOCATION: Section 9 T 9S R16E LEASE NO: U-44427

ONSIGHT INSPECTION DATE: April 24, 1984

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

(A) DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

<u>FORMATION</u>	<u>DEPTH</u>
Uinta	Surface
Green River	1640'
Garden Gulch	4157'
Douglas Creek	4707'
Lower Douglas Creek	5492'

2. Estimated Depth at Which Oil, Gas, Water or Other Mineral Bearing Zones are Expected to be Encountered.

<u>FORMATION</u>	<u>DEPTH</u>	<u>REMARKS</u>
Uinta	Surface	Water
Green River	1640'	Water
Garden Gulch	4157'	Oil/Gas
Douglas Creek	4707'	Oil/Gas
Lower Douglas Creek	5492'	Oil/Gas/Water

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment

Attached is a schematic of the minimum requirements for blowout prevention equipment. An 11 inch, 3000 psi working pressure double hydraulic BOP with pipe and blind rams will be installed on the casinghead prior to drilling below surface casing. A spherical preventer or rotating head will also be installed.

All BOP equipment will be pressure tested to 2000 psi.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

#### 4. Casing Program and Auxiliary Equipment

<u>Setting Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Condition</u>	<u>Cement Top</u>
0 - 300'	8-5/8"	24#	K-55	New	Surface
0 - 6150'	5-1/2"	15.5#	K-55	New	300'

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

#### Auxiliary Equipment

1. An upper kelly cock will be kept in the string at all times.
2. A full opening safety valve will be kept on the floor for stabbing into the drill pipe when the kelly is not in the string.
3. A mud logging unit with gas detecting equipment will be used from 300 feet to total depth.

#### 5. Mud Program and Circulating Medium

<u>INTERVAL</u>	<u>MEDIUM</u>	<u>ANTICIPATED PROPERTIES</u>
0' to 300'	Fresh Water Gel/Lime	MW - 8.3 - 8.6 ppg VIS - 28 - 32 sec/qt WL - N/A
300' to 3000'	Water/Flocculants Gel Sweeps	MW - 8.3 - 8.6 ppg VIS - 28 - 30 sec/qt WL - Natural
3000' to 6150'	4 to 5% KCL Water Gel Sweeps	MW - 8.5 - 8.7 ppg VIS - 28 - 30 sec/qt WL - Natural

Adequate stocks of sorptive agents and other materials will be on site to handle any anticipated downhole problems as well as possible spills of fuel and oil on the surface.

If additional weight is needed to control pressures or heaving shale, a gel-chemical fresh water mud will be used with barite as needed to control pressure.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

6. Coring, Logging and Testing Program

Anticipated Logs -

DLL/MSFL/GR/CAL	6150' to 300'
CNL/FDC/GR/CAL	6150' to 3500'

There will be no cores or drill stem tests conducted on this well.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards

No abnormal pressures, temperatures, H<sub>2</sub>S or other potential hazards have been reported from wells to this depth in this area; thus none are anticipated for this well.

8. Anticipated Starting Dates and Notifications of Operations

Location Construction: As soon as possible after approval of this permit.

Spud date: Within 7 days after completion of location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a production status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

B. Thirteen Point Surface Plan

1. Existing Roads: See Maps "A" & "B"

- a. Location of proposed well in relation to town or other reference point:  
18.8 miles South - southwest of Myton, Utah
- b. Proposed route to location:  
From the junction of U. S. Highway 40 and Utah State Highway 53 (approximately 1.6 miles west of Myton, Utah) proceed south 1.6 miles on Highway 53 to its junction with Utah State Highway 216; proceed in a southeasterly direction on this road 9.4 miles to its junction with a road to the southwest; proceed southwesterly on this road 6.2 miles to the location.
- c. Location and description of roads in the area:  
The Highways 40 and 53 are bituminous surface roads. Highway 216 is a gravel surfaced road. All other roads are built from native materials accumulated during their construction.
- d. Plans for improvement and/or maintenance of existing roads:  
There is no improvement planned for the existing roads. State and County crews maintain the highways.  
The roads that are required for access during the drilling phase, completion phase and production phase of the well will be maintained at the standards required by the BLM or other controlling agencies. This maintenance will consist of minor grader work for smoothing of road surfaces and for snow removal.

2. Planned Access Road: See Map "B"

- a. Width: 18 feet (9 feet each side of centerline)
  - b. Maximum Grades: 5 to 7 percent
  - c. Turnouts: None
  - d. Location (Centerline): Proposed road runs 800 feet, west-southwesterly from the existing road to the well-site.
  - e. Drainage: The road will be crowned and "V" ditched.
  - f. Surface Materials (source): All materials used in construction of this road will be native materials accumulated during construction
- All travel will be confined to existing access road rights-of-way.

3. Location of Existing Wells: See Map "C"

There are 3 producing wells within a 1 mile radius of the proposed well site as follows:

Section 5 - T9S-R16E: NE - SE - Diamond Shamrock - Fed. No. 43-5  
SE - SE - Diamond Shamrock - Castle Peak #9  
Section 9 - T9S-R16E: NW - SE - Diamond Shamrock - Castle Peak #10

4. Location of Tank Batteries and Production Facilities:

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

Tank batteries will be placed on the north end of the location.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply

All water needed for drilling purposes will be obtained from the Duchesne River at the point where it crosses under Highway 40. Water will be hauled by truck over existing roads. There will be no water well drilled.

6. Source of Construction Material

Road surfacing and pad construction material will be obtained from borrow material accumulated during construction of the location and access road.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Construction material will be located on lease.

7. Methods of Handling Waste Disposal

The reserve pit will not be lined.

Burning will not be allowed. All trash must be contained and disposed of by a trash cage and hauled to an approved sanitary landfill.

Produced waste water will be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

8. Ancillary Facilities

Camp facilities will not be required. Temporary trailers will be placed on location to house the company representative, tool pusher, and mud logger.

9. Well Site Layout: See Attachment

The reserve pit will be located on the southwest side of the location.

The stockpiled topsoil will be stored on the southeast end of the location.

Access to the well pad will be from the northeast.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

10. Plans for Restoration of Surface

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

10. Plans for Restoration of Surface - cont'd

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage. Also, if broadcast, the amount of seed should be proportionately larger to total 14 lb/acre.

The following seed mixture will be used:

Oryzopsis hynerooides	1 lb/ac
Agropyron cristatum	1 lb/ac
Poa secunda	1 lb/ac
Kochia prostrata	2 lb/ac
Atriplex confertifolia	2 lb/ac
Ceratoides lanata	2 lb/ac
Total	<u>9 lb/ac</u>

The reserve pit and that portion of the location and access road not needed for production or production facilities will be re-claimed.

11. Surface and Mineral Ownership

All surface and mineral ownership is held by the Bureau of Land Management.

12. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A")

The area is a basin formed by the Uinta Mountains and Duchesne River to the north and the Green 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 with ledges formed in sandstones, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial in nature with the only one in the area having a year round flow being the Green River to the south and east, of which the numerous washes, draws and non-perennial streams are tributaries to.

12. OTHER INFORMATION - cont'd

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

All drainages in the immediate area are non-perennial streams and flow southerly to the Green River.

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

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.

Due to the low precipitation average, climate conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid region we are located in and in the lower elevations of the Uintah Basin. It consists of areas of sagebrush, rabbitbrush, some grasses and cacti in the areas away from and in the vicinity of non-perennial streams. In the areas that are formed along the edges of perennial streams cottonwood, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

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

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

THE TOPOGRAPHY OF THE IMMEDIATE AREA - (See Topographic Map "B")

The Federal No. 1-9 is located on a relatively broken area between Castle Peak Draw to the south and Wells Draw to the north both of which drain to the northeast into the Green River.

The terrain in the immediate vicinity of the location slopes southerly with the grade varying from about 2 to 5 percent. Runoff from this area flows north to south into several small washes which in turn feed a few larger drainages that flow north-easterly into the Castle Peak Draw at a point approximately 2 miles south-east of the location site.

12. OTHER INFORMATION - cont'd

The location is covered with some sagebrush and grasses.

The total surface ownership affected by this location site is administered by the BLM.

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").

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

See attached resource evaluation.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Lessee's or Operators Representative and Certification

Representative:

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

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which currently exist, that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by

Enserch Exploration, Inc.

and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

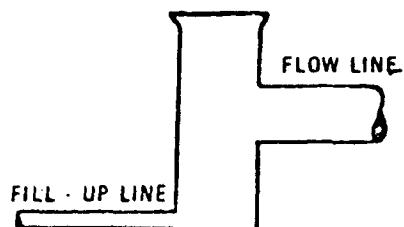
Date

5/15/84

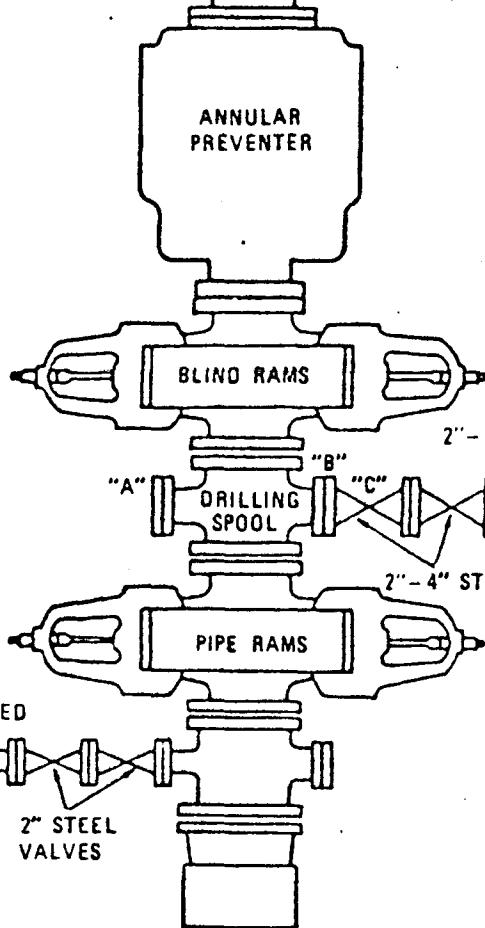
C. H. Peeples  
C. H. Peeples

Regional Drilling Manager

MEK/hrs  
5/14/84

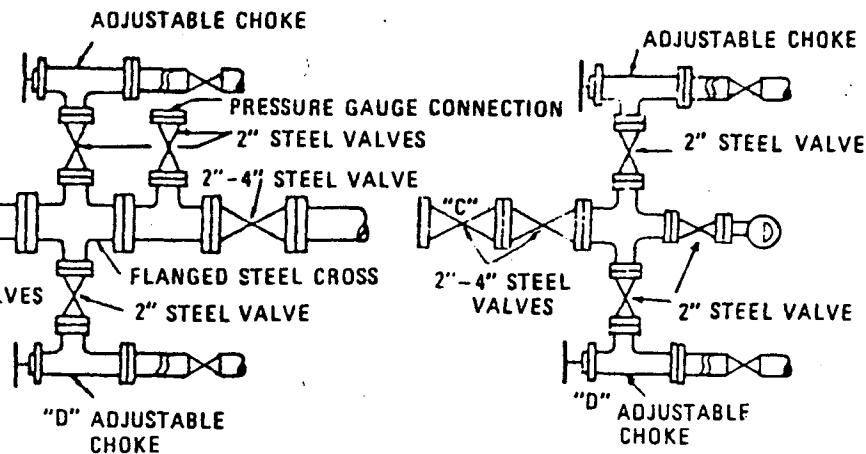


Minimum Requirements  
3000 psi W.P.  
THREE PREVENTER HOOKUP



CHOKING MANIFOLD

\* ALTERNATE CHOKING MANIFOLD



WHILE DRILLING, BOTH  
VALVES ARE KEPT CLOSED

IF POSSIBLE, CASING SPOOL SHOULD  
BE POSITIONED SO THAT THESE  
VALVES ARE DIRECTLY UNDER THE  
BARREL OF THE RAM PREVENTER.

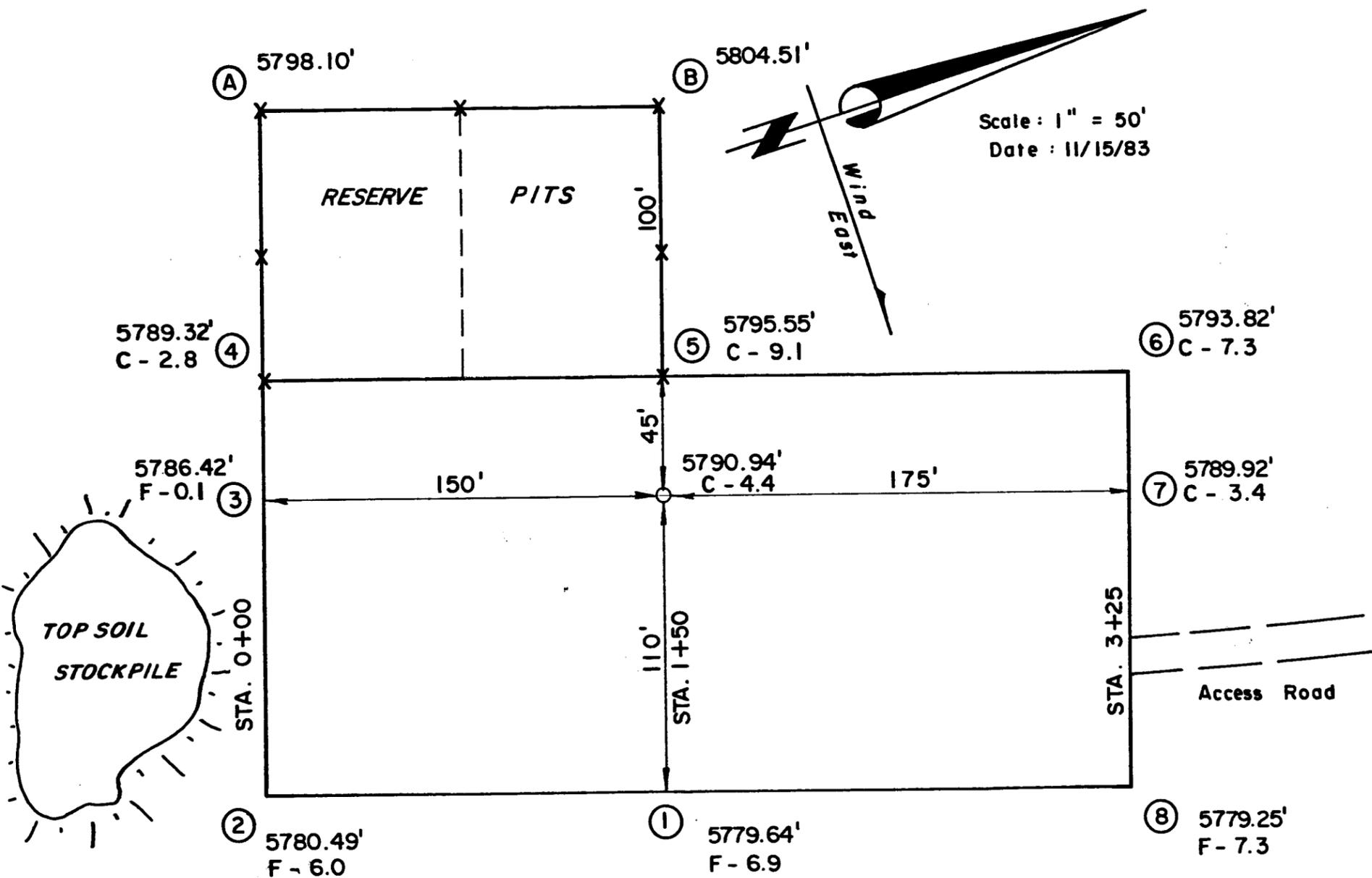
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MAY 18 1984

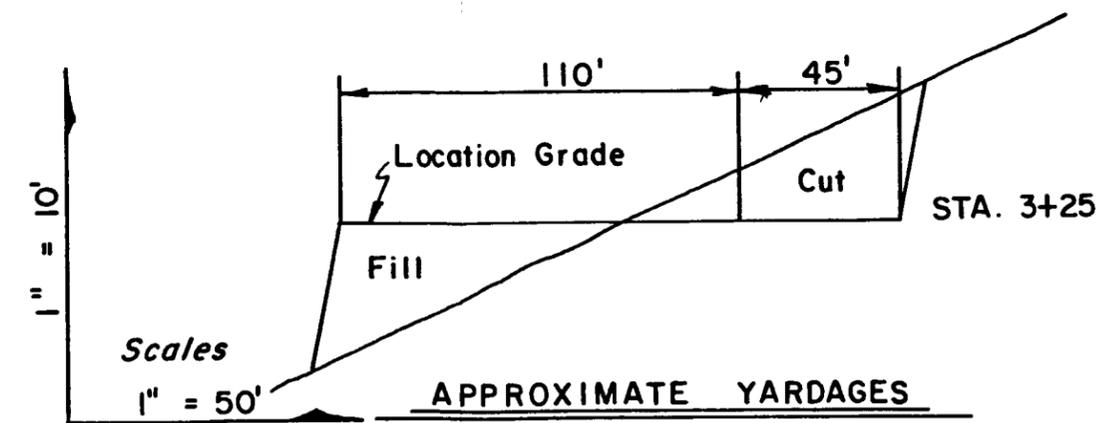
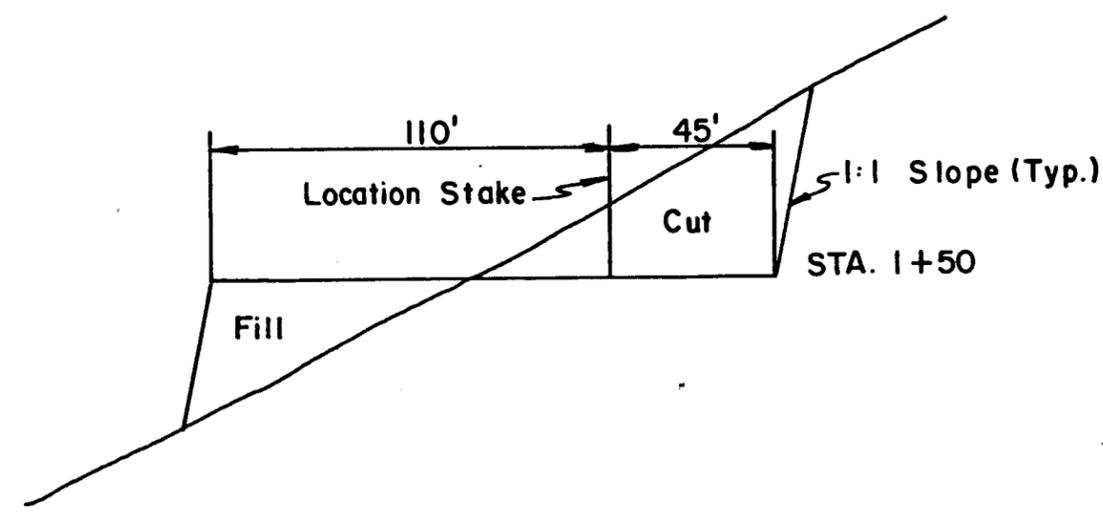
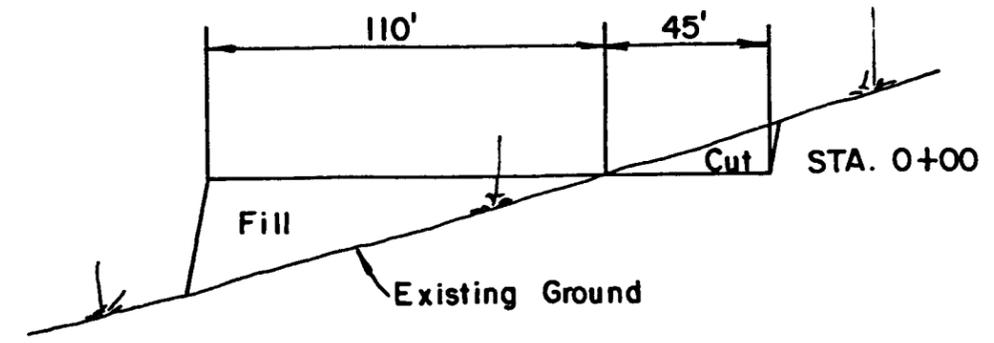
DIVISION OF OIL  
GAS & MINING

Scale: 1" = 50'  
Date: 11/15/83

Wind East



C  
R  
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Scales

1" = 50'

APPROXIMATE YARDAGES

Cu. Yds. Cut - 4120  
Cu. Yds. Fill - 3800



ENSERCH EXPLORATION INC  
FEDERAL #1-9  
PROPOSED LOCATION

TOPO.

MAP "B"  
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SCALE 1" = 2000'

RQAD CLASSIFICATION

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

UTAH

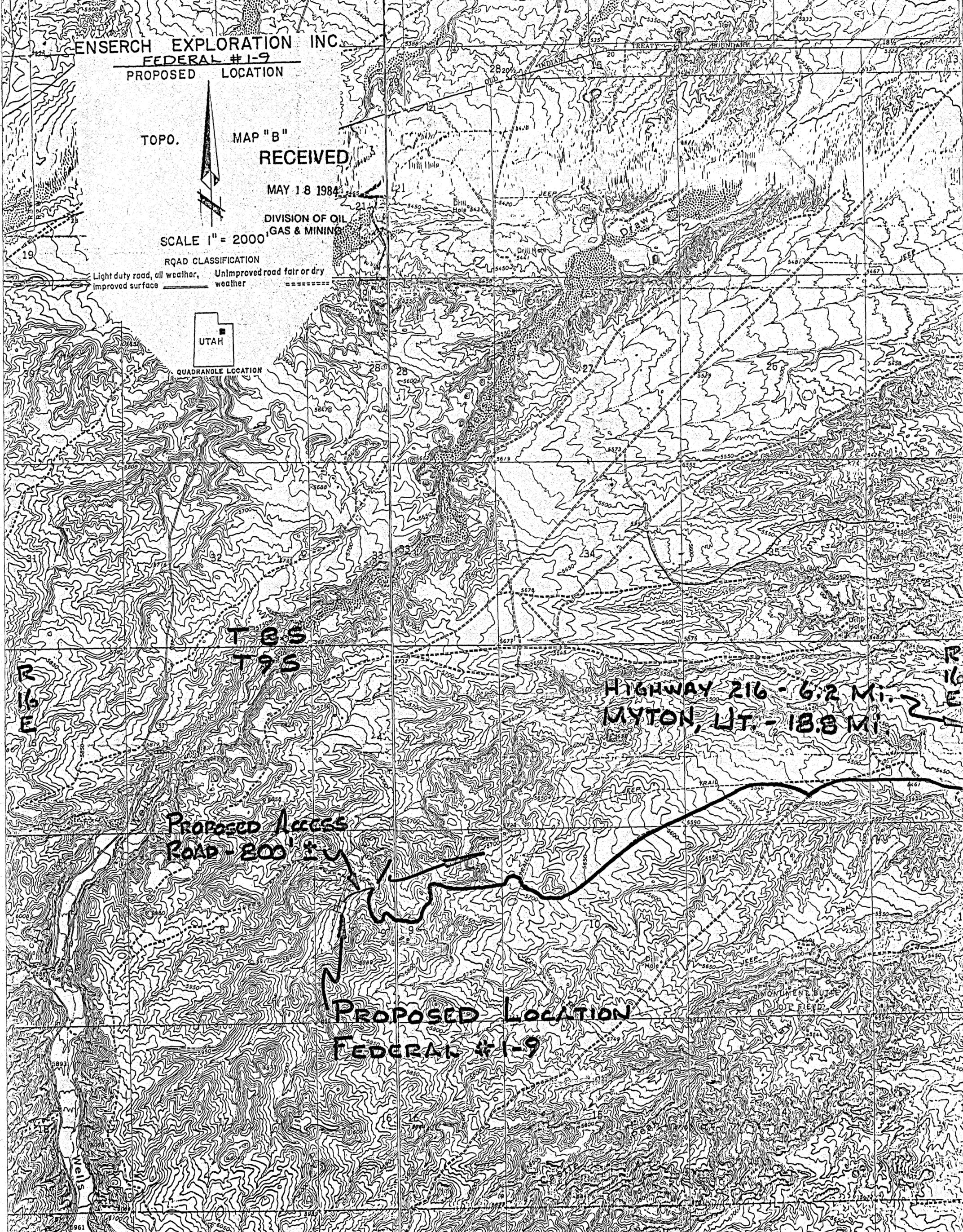
QUADRANGLE LOCATION

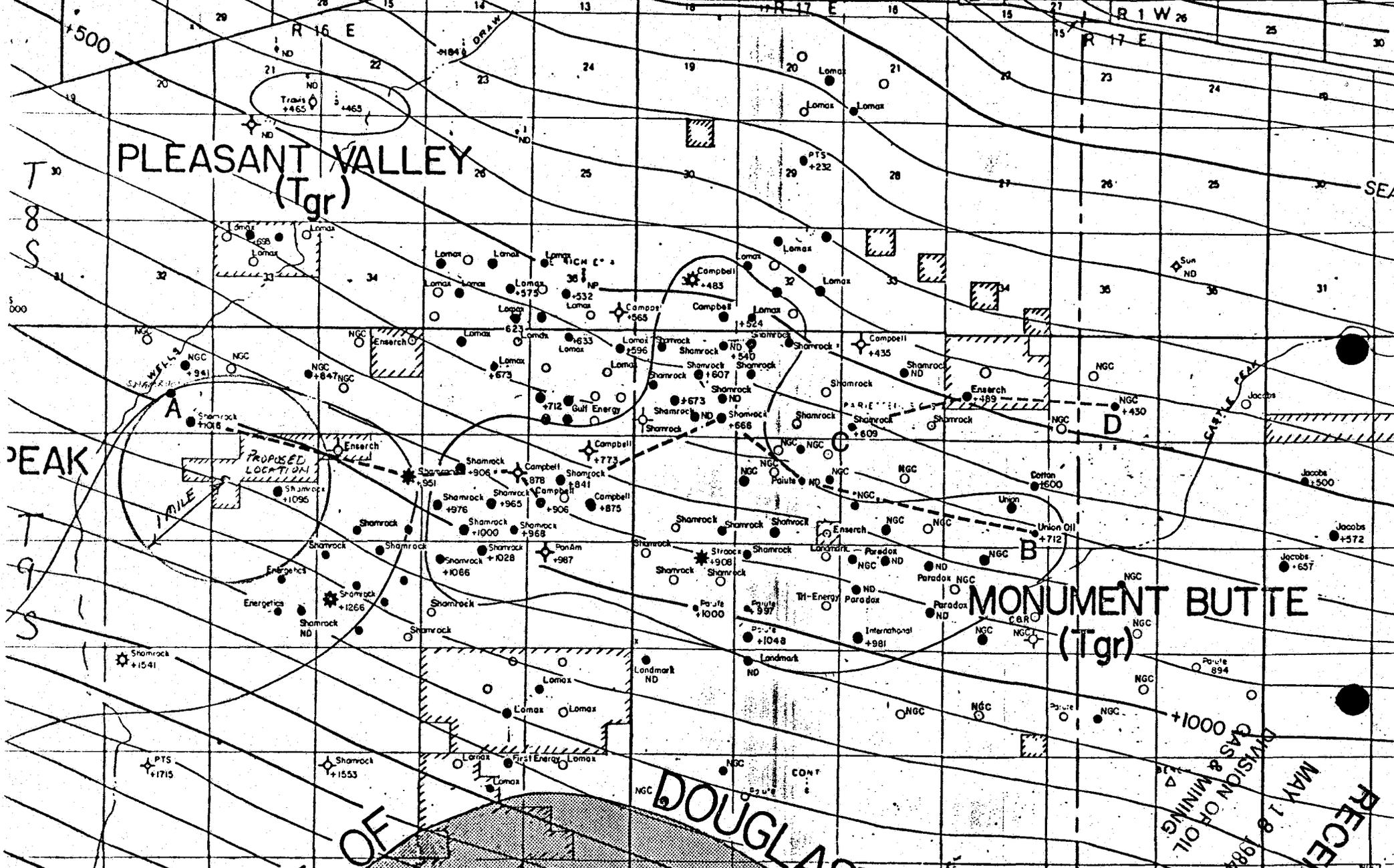
T 8 S  
T 9 S

HIGHWAY 216 - 6.2 MI.  
MYTON, UT. - 18.8 MI.

Proposed Access  
Road - 200' E

PROPOSED LOCATION  
FEDERAL #1-9





PLEASANT VALLEY  
(Tgr)

MONUMENT BUTTE  
(Tgr)

DOUGLAS CREEK

ENSERCH  
EXPLORATION, INC.  
ROCKY MOUNTAIN EXPLORATION DISTRICT  
TERTIARY OIL PLAY  
Duchesne-Uintah Counties, Utah

EOCENE DOUGLAS CREEK STRUCTURE

- LEGEND
- PROPOSED LOCATION
  - ✦ DRY HOLE
  - OIL WELL
  - ⊛ GAS WELL
  - ⊛ NO DATA AVAILABLE
  - DOUGLAS CREEK NOT PENETRATED

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 MAY 18 1984  
 DIVISION OF OIL  
 & MINING



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 853 - Bountiful, Utah 84010

Tel.: (801) 292-7061

April 26, 1984

Subject: Cultural Resource Evaluation of Proposed  
Well Location No. 1-9 in the Wells Draw  
Locality, of Duchesne County, Utah

Project: Enserch Exploration Company, 1984 Drilling  
Program

Project No.: EEC-84-1

Permit: Dept. of Interior, 81-Ut-179

To: ✓ Mr. Dusty Kinchen, Enserch Exploration Co.,  
2030 River Bend Drive, No. 136, Dallas,  
Texas 75247

Mr. Lloyd Ferguson, District Manager, Bureau  
of Land Management, 170 South 500 East,  
Vernal, Utah 84078

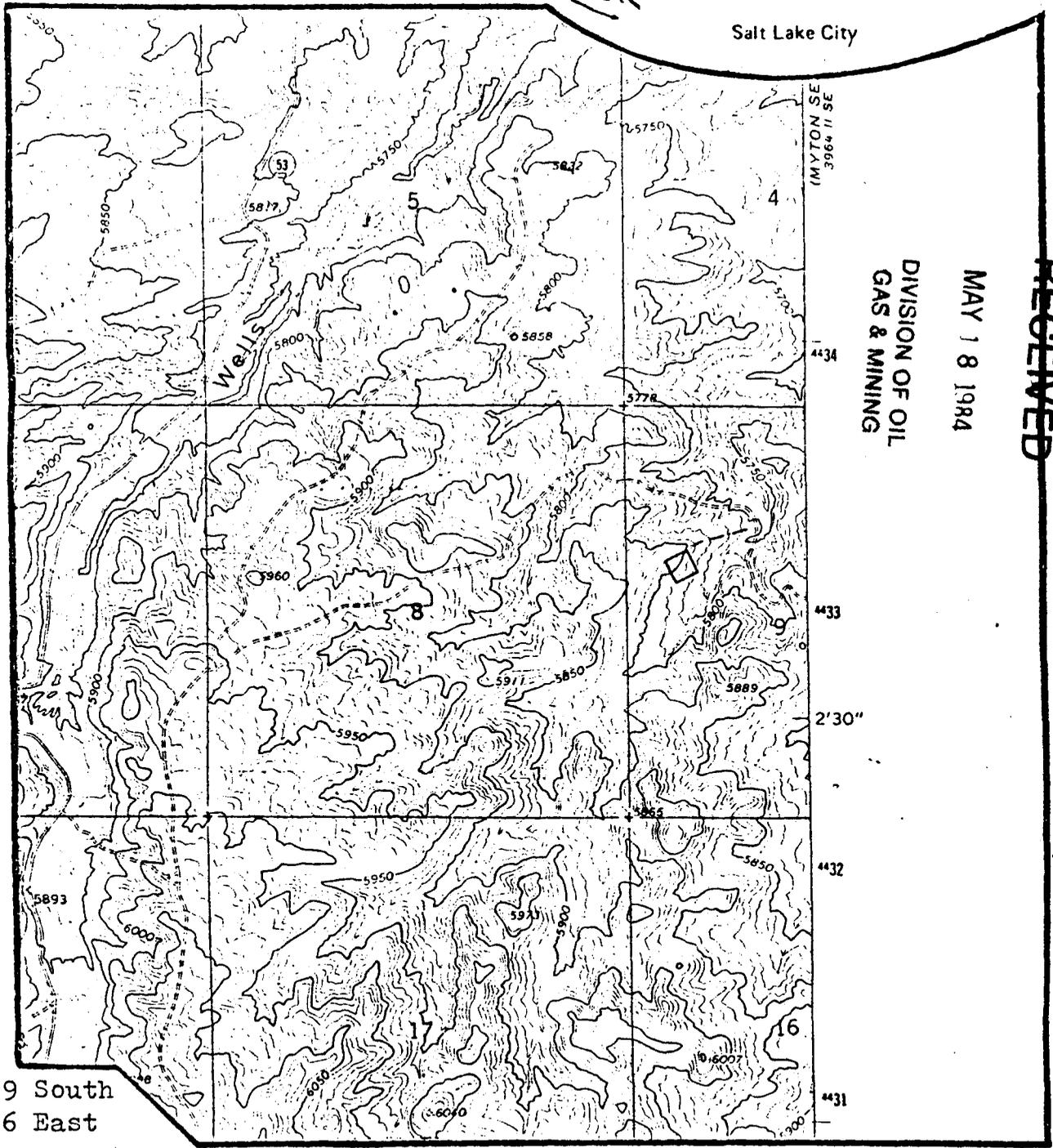
Mr. Ralph Heft, Area Manager, Bureau of Land  
Management, 170 South 500 East, Vernal, Utah  
84078

Info: Mr. Rich Fike, BLM State Archeologist, Bureau  
of Land Management, University Club Building,  
136 East South Temple, Salt Lake City, Utah  
84111





Salt Lake City



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T. 9 South  
R. 16 East

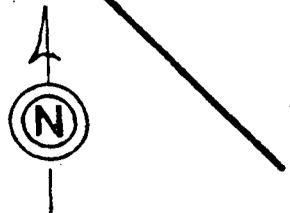
Meridian: Salt Lake B. & M.

Quad: Myton, SW, Utah  
7.5 minute-USGS

Project: EEC-84-1  
Series: Uinta Basin  
Date: 4-30-84

Cultural Resource Survey  
of Proposed Well Location  
No. 1-9 in the Wells Draw  
Locality of Duchesne  
County, Utah

Legend:  
Well Location   
Access Route



2.64" = 1 mile  
Scale



UTAH STATE  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS

LA  
100813  
'85

INSPECTION RECORD-- PRODUCING

T. 9s R. 16e SEC. 9 ✓  
1/2-1/4 Sw Nw ✓  
COUNTY Duchesne  
FIELD Castle Peak  
INSPECTOR Thompson/Goodwin  
INC ISSUED \_\_\_\_\_

WELL NAME Castle peak 1-9 ✓  
LEASE NO. \_\_\_\_\_  
UNIT NAME & NO. \_\_\_\_\_  
OPERATOR Enserch Exp. ✓  
DATE 1/12/84

**A. GENERAL**

	YES	NO	I	NI	NI	NI
1. Well Signs.....						I
2. Well Equipment Satisfactory.....						I
3. Environmental Protection Satisfactory: (fire hazards)(erosion)(air)(water)(solid waste) (biota).....						W
4. Temporary or Emergency Pits Satisfactory.....						W
5. Lease Free of Evidence of Spills/Discharge/ Seepage.....						W
6. Dikes Around Tanks, if Required.....						W
7. Flow Lines Buried, if Required.....						W
8. All Surface Use Approved and Not Excessive.....						W
9. Does Current 9-329 Confirm Reasonableness of: a. Production vs. Sales.....						
b. Tank Capacity vs. Inventory.....						
c. Reported Well Status vs. Actual.....						

**LEASE REQUIREMENTS**

- (4.) Emergency Pits Approved \_\_\_\_\_  
(6.) Are Dikes Around Tanks Required?  
Yes \_\_\_\_\_ No \_\_\_\_\_  
(7.) Is Burial of Flow Lines Required?  
Yes \_\_\_\_\_ No \_\_\_\_\_

**SALES APPROVAL INFORMATION:**

- OIL:  
(10.) Sale by LACT Unit  Approval \_\_\_\_\_  
(11.) Seals on All Tank Access Lines Required? Yes \_\_\_\_\_ No \_\_\_\_\_  
(14.) On Lease Storage  Off-Lease Storage  Approved \_\_\_\_\_  
If Off Lease - Measurement Is:  
(15.) Off Lease  On Lease   
(16.) Commingling: Not Approved   
On Lease  Approval \_\_\_\_\_  
Off Lease  Approval \_\_\_\_\_

**GAS:**

- (18.) Special Restrictions Applicable  
Yes \_\_\_\_\_ No \_\_\_\_\_  
(22.) On Lease Sales   
(22.) Off Lease Sales  Approval \_\_\_\_\_  
(23.) Liquid Collection From Drips  
Required? Yes \_\_\_\_\_ No \_\_\_\_\_

**OTHER REQUIREMENTS**

- (24.) NTL-28 Not Applicable   
Applicable  Approval \_\_\_\_\_  
Hydrogen Sulfide Operations:  
Analysis:  
Gas Screen \_\_\_\_\_ PPM  
STV \_\_\_\_\_ PPM  
(29.) Is a Contingency Plan Required?  
Yes \_\_\_\_\_ No \_\_\_\_\_

**B. LIQUID HYDROCARBON PRODUCTION**

10. Method of Measurement: (A) LACT Meter; (B) Tank Gauge; (C) Other: <u>A B C</u>						
11. Method of Measurement Satisfactory.....						W
12. Liquid Handling Equipment Satisfactory.....						W
13. All Lines Leaving Tankage Sealed/Locked.....						W
14. Production Stored on Lease, if Required.....						W
15. Production Measured on Lease, if Required.....						W
16. Commingling as Approved.....						W

**C. NATURAL GAS PRODUCTION**

17. Type of Gas Production: (A) Gas Well; (B) Casinghead..... <u>A B</u>						
18. Gas Disposition: (A) Sold; (B) Flared/Vented; (C) Used on Lease; (D) Other..... <u>A B C D</u>						
19. Method of Measurement: (A) Orifice Meter; (B) Turbine Meter; (C) Estimated; (D) Other..... <u>A B C D</u>						
20. Method of Measurement Satisfactory.....						W
21. Gas Handling/Treating Equipment Satisfactory.....						W
22. Production Measured on Lease, if Required.....						W
23. Liquids Collected From Drips, if Required.....						W

**D. WATER DISPOSAL**

24. Disposal Method: (A) Unlined Pit; (B) Lined Pit; (C) Subsurface; (D) Other..... <u>A B C D</u>						
25. If Disposal by Pits, are Pits Satisfactory.....						W
26. Additional Disposal Facilities Satisfactory.....						W

**E. HYDROGEN SULFIDE OPERATIONS**

27. Are Tank Batteries Properly Equipped.....						W
28. Are Warning Signs Properly Installed.....						W
29. If Required, is the Contingency Plan Available.....						W
30. Are Personnel Properly Protected.....						W

REMARKS location is stacked  
well is not drilled to this  
date. Well is not on computer  
sheet.

(S) Shut-in (W) Formal Warning (I) Informal Warning

OPERATOR Emserch Explorativ DATE 5/23/84

WELL NAME Federal 1-9

SEC SUNW 9 T 95 R 16E COUNTY Dickinson

43-013-30946  
API NUMBER

Fed.  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:  
No other wells in Sec. 9.  
Need Water

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:  
1- Water

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

May 24, 1984

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

RE: Well No. Federal 1-9  
SE1/4 Sec. 9, T. 9S, R. 16E  
2120' FNL, 733' FVL  
Kane County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Associate Director, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Inserch Exploration, Inc.  
Well No. Federal 1-9  
May 24, 1984  
Page 2

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-30946.

Sincerely,

  
R. J. Firth  
Associate Director, Oil & Gas

RJF/as

cc: Branch of Fluid Minerals

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 2120' FNL & 733' FWL (SW $\frac{1}{4}$ -NW $\frac{1}{4}$ )  
 At proposed prod. zone Same

5. LEASE DESIGNATION AND SERIAL NO.  
 U-44427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 N/A

7. UNIT AGREEMENT NAME  
 N/A

8. FARM OR LEASE NAME  
 FEDERAL

9. WELL NO.  
 1-9

10. FIELD AND POOL, OR WILDCAT  
 WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 9-T9S-R16E  
 S.L.B.&M.

12. COUNTY OR PARISH  
 Duchesne

13. STATE  
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 18.8 miles south of Myton, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 520'

16. NO. OF ACRES IN LEASE  
 440

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 None

19. PROPOSED DEPTH  
 6150'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5791' GR

22. APPROX. DATE WORK WILL START\*  
 ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	300'	Circulate to Surface
7-7/8"	5-1/2"	15.5#	6150'	Sufficient to cover productive zones and protect oil shale and aquifers

Propose to drill a 12-1/4 inch hole to 300 feet, set 8-5/8 inch casing and cement to surface. An 11 inch x 3000 psi bradenhead and 11 inch x 3000 psi double hydraulic pipe and blind rams, and annular blowout preventers will be installed and tested to 2000 psi. A 7-7/8 inch hole will then be drilled to a total depth of 6150 feet with a KCL base drilling fluid. If the well is evaluated to be productive, 5-1/2 inch production casing will be run and cemented. If the well is non-productive, the well will be plugged and abandoned according to B.L.M. requirements. The location will be restored as per B.L.M. instructions, and a dry hole marker erected.

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 JUN 5 1984

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 blowout preventer program, if any.

24. SIGNED C. H. Peoples TITLE Regional Drilling Manager DATE 5/15/84  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE DISTRICT MANAGER DATE 6/4/84  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE: CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
 \*See Instructions On Reverse Side  
 State Oil, Gas, Mining  
 UT-080-4-M-165  
 Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

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MAY 01 1985

DIVISION OF OIL  
GAS & MINING

3100  
U-44427

April 19, 1985

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

Re: Rescind Application for Permit  
to Drill  
Well No. 1-9  
SWNW Sec. 9, T.9S., R.16E., SLB&M  
Lease U-44427  
Duchesne County, Utah

Gentlemen:

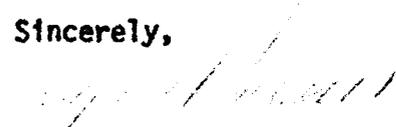
Lease U-44427 was issued effective March 1, 1980 for a primary term of five years ending February 28, 1985.

The Application for Permit to Drill the referenced well was approved on June 4, 1984. Since that date, no activity has transpired on the approved location, and therefore, no production in paying quantities was located on the leasehold. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice.

This office requires a letter confirming that no surface disturbance has occurred at this approved location. Thank you for your cooperation.

If you have any questions in this matter, please contact Allen McKee at (801) 789-1362.

Sincerely,

  
Craig M. Hansen  
Assistant District Manager  
for Minerals

AMcKee/blc

RAM



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 6, 1985

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

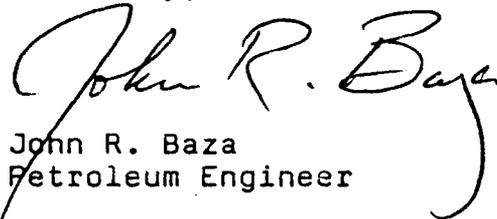
Gentlemen:

Re: Well No. 1-9 - Sec. 9, T. 9S., R. 16E.,  
Duchesne County, Utah - API #43-013-30946

In concert with action taken by the Bureau of Land Management, April 19, 1985, approval to drill the above referenced well is hereby rescinded.

A new "Application for Permit to Drill" must be filed with this office, for approval, prior to future drilling of the subject location.

Sincerely,

  
John R. Baza  
Petroleum Engineer

pk  
cc: Dianne R. Nielson  
Ronald J. Firth  
File

0170S/81