

UTAH OIL AND GAS CONSERVATION COMMISSION

T-60944

REMARKS: WELL LOG  ELECTRIC LOGS  WATER SANDS  LOCATION INSPECTED  SUB. REPORT/abd.

**\* APPROVED BY ENTRY - CHANGE OF OPER & LEASE**  
 2-18-97 CBL/CR/CLL : 971027 Entered to Inland eff. 8-16-97: 9805/9 COME EXP!

DATE FILED 5-28-85 **\* JULY 29, 1996**

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-50750 **\* U-75078** INDIAN

DRILLING APPROVED: 6-4-85 OIL **\* AUGUST 12, 1996**

SPUDDED IN: **6-10-85 \* 1-6-97**

COMPLETED: **6-23-85 P+A** PUT TO PRODUCING: **\* 3.30.97 POW**

INITIAL PRODUCTION: **\* 85 BBL/D MCF**  
**\* 32.2**

PRODUCING ZONES: **\* 4418-5520' PIRRV**

TOTAL DEPTH: **6000 \* 6000'**

WELL ELEVATION: **5241' gr \* 5257' KB**

DATE ABANDONED:  
 FIELD: **MONUMENT BUTTE 3/86**

UNIT:  
 COUNTY: **DUCHESNE**  
 WELL NO. **FEDERAL 31-9H**

API-#43-013-31107

LOCATION **768' FNL** FT. FROM (N) (S) LINE. **1873' FEL** FT. FROM (E) (W) LINE. **NW NE** 1/4 - 1/4 SEC. **9**

*Inland Production Co.*  
**ENSURE EXPLORATION**  
**NATURAL GAS CORP. OF CA INC**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.
				9S	17E	9

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River 3938 #1465	Frontier	Phosphoria	Elbert
Douglas Creek 4569	Dakota	Park City	McCracken
GR LIME 5824	Burro Canyon	Rico (Goodridge)	Aneth
Basal LIME 581A	Cedar Mountain	Supai	Simonson Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBON I FEROUS	North Point
Wasatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

Natural Gas  
Corporation of  
California

RECEIVED

MAY 28 1985

DIVISION OF OIL  
GAS & MINING

May 24, 1985

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

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

SUBJECT: NGC 33-9H  
Sec 9, T9S, R17E  
Duchesne County, Utah  
Lease #U-50750

NGC 24-34D  
Sec 34, T8S, R18E  
Uintah County, Utah  
Lease # U-45031

NGC 31-9H  
Sec 9, T9S, R17E  
Duchesne County, Utah  
Lease #U-50750

Gentlemen:

Natural Gas Corporation of California proposes to drill the above three subject wellsites. Enclosed are the following documents for each of the three well.

1. Application for Permit to Drill
2. Surveyor's Plat
3. 10 Point Drilling Program
4. 13 Point Surface Use Plan
5. Rig Layout
6. BOP Schematic
7. Topographical Maps "A" & "B"

Should you require additional information, please contact this office.

Very truly yours,

  
Kathy Knutson  
Technical Assistant

cc: S. Furtado (1449)  
L. Jorgensen (1421)  
P. Roberts

85 South 200 East  
Vernal, Utah 84078  
(801) 789-4573  
Files

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  
 Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
 85 South 200 East, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface: 768' FNL & 1873' FEL NW/NE  
 At proposed prod. zone: Same

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
 (Also to nearest drilg. unit line, if any) 768'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 ±3500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5241' Natural Ungraded Ground Level

16. NO. OF ACRES IN LEASE  
 640

19. PROPOSED DEPTH  
 6000'

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

20. ROTARY OR CABLE TOOLS  
 ROTARY

22. APPROX. DATE WORK WILL START\*  
 July 1, 1985

5. LEASE DESIGNATION AND SERIAL NO.  
 U-50750  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
 Federal  
 9. WELL NO.  
 31-9H  
 10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE Pleasant Valley  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec 9, T9S, R17E  
 12. COUNTY OR PARISH  
 Duchesne  
 13. STATE  
 Utah

RECEIVED

MAY 28 1985

DIVISION OF OIL GAS & MINING

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"	24.0#	270'	To Surface
7 7/8"	5 1/2"	15.5#	TD	As required to adequately protect all aquifers and hydrocarbon zones.

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING  
 DATE: 6/4/85  
 BY: *John R. Dugg*  
 WELL SPACING: C-3 (B)

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 *Kathy Krutson* TITLE Technical Assistant DATE 5/23/85

(This space for Federal or State office use)

PERMIT NO. 43-013-31107 APPROVAL DATE

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

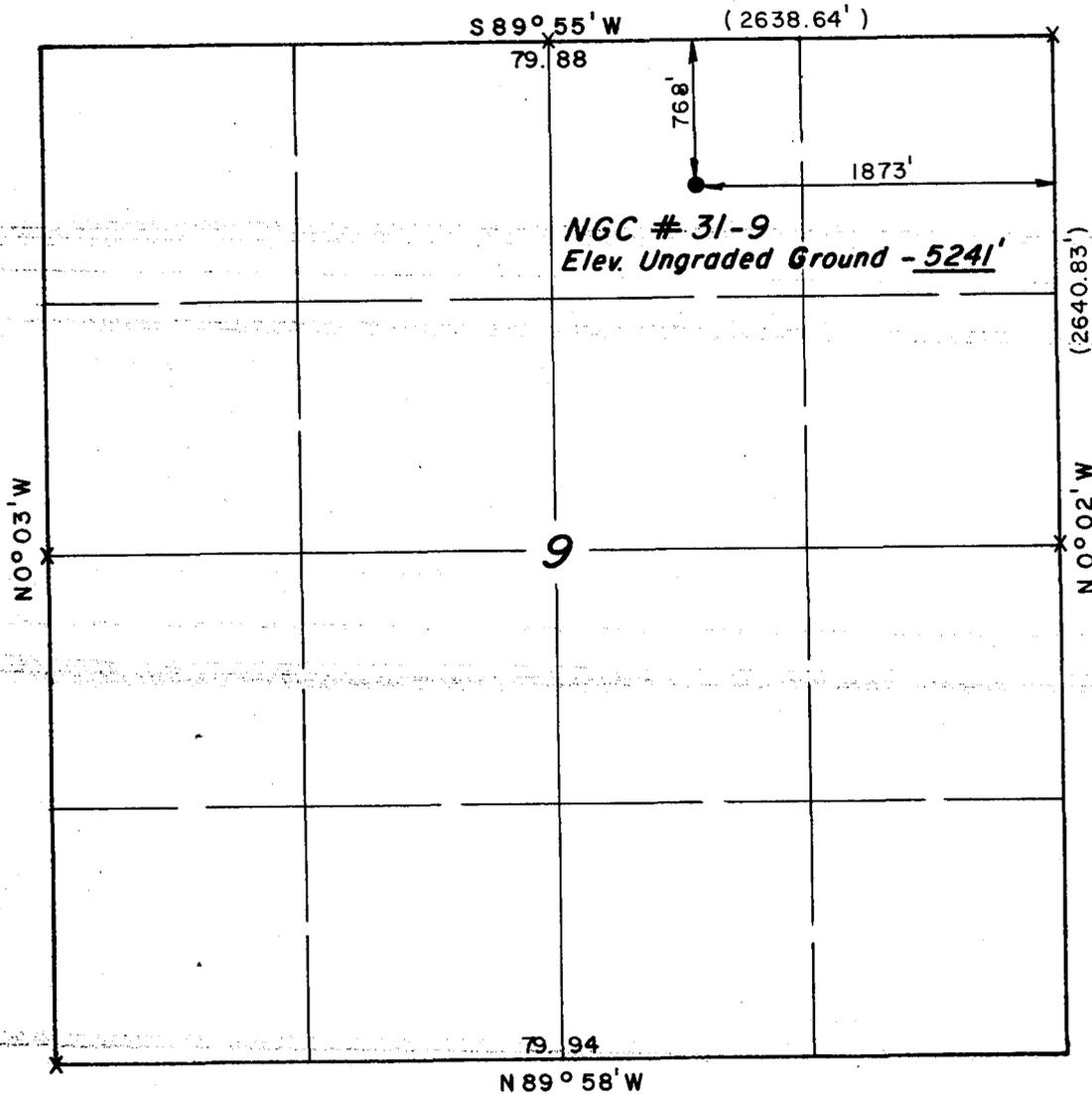
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

T9S, R17E, S.L.B. & M.

PROJECT  
NATURAL GAS CORP. OF CALIF.

Well location, *NGC # 31-9*, located as shown in the NW 1/4 NE 1/4 Section 9, T9S, R17E, 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.

*Laurence Clay*

REGISTERED LAND SURVEYOR  
 REGISTRATION NO 3137  
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
 P.O. BOX Q - 85 SOUTH - 200 EAST  
 VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	5/15/85
PARTY	LDT GB RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	NATURAL GAS

X = Section Corners Located

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Natural Gas Corporation of California Well No. 31-9 FEDERAL

Location Sec.9 T.9S R.17E Lease No. U-50750

Onsite Inspection Date May 16, 1985

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>	<u>Datum</u>
Uintah	Surface	5247'KB
Green River	1450'	+3797'
Green Shale Facies	3803'	+1444'
Douglas Creek	4563'	+ 684'
Green River Lime	5818'	- 571'
TD	6000'	- 753'

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

	<u>Formation</u>	<u>Zone</u>
Expected oil zones:	Green Shale	4050-4150
	Douglas Creek	4720-4790
	"	5000-5050
	"	5150-5350
	"	5450-5550
Expected gas zones:	None	
Expected water zones:	None	
Expected mineral zones:	Oil Shale	Top 1450'

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:

A 3000 WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8-5/8" surface casing. The BOP system including the casing will be pressure tested to a minimum of 1500 psi for 30 minutes prior to drilling and will be mechanically checked daily during drilling operations.

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>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Ft.</u>	<u>Depth</u>	<u>Csg. New/Used</u>	<u>Cement Top</u>
12 1/4"	8 5/8"	24.0#	270'	New	Surface
7 7/8"	5 1/2"	15.5#	TD	New	1450'

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 will be upper kelly cock, full opening stabbing valve, 2½" choke manifold, and pit level indicator.

5. Mud Program and Circulating Medium:

<u>Interval</u>	<u>Mud Weight lbs./gal.</u>	<u>Viscosity Sec./Qt.</u>	<u>Fluid Loss ML/30 mins.</u>	<u>Mud Type</u>
0-270'	-	-	-	Air
270'-TD	8.3	27	No control	Water

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. Testing, Coring, Sampling and Logging:

- a. Testing: None
- b. Coring: None
- c. Sampling: None
- d. Logging: Type

<u>Type</u>	<u>Depth</u>
CNL-FDC w/GR & CAL	TD to 3000'
DIL-LL w/GR & CAL	TD to surface csg

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:

Normal pressure and temperature gradients are expected. BHP = 2630 psi). No hazardous gases have been encountered in this area at this depth.

8. Anticipated Starting Dates and Notifications of Operations:

As soon as possible after examination and approval of drilling requirements. 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, UT 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 producing 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.

Venting of gas will be in accordance with Rule C-27 of the Utah Oil, Gas & Mining Division and NTL-4A.

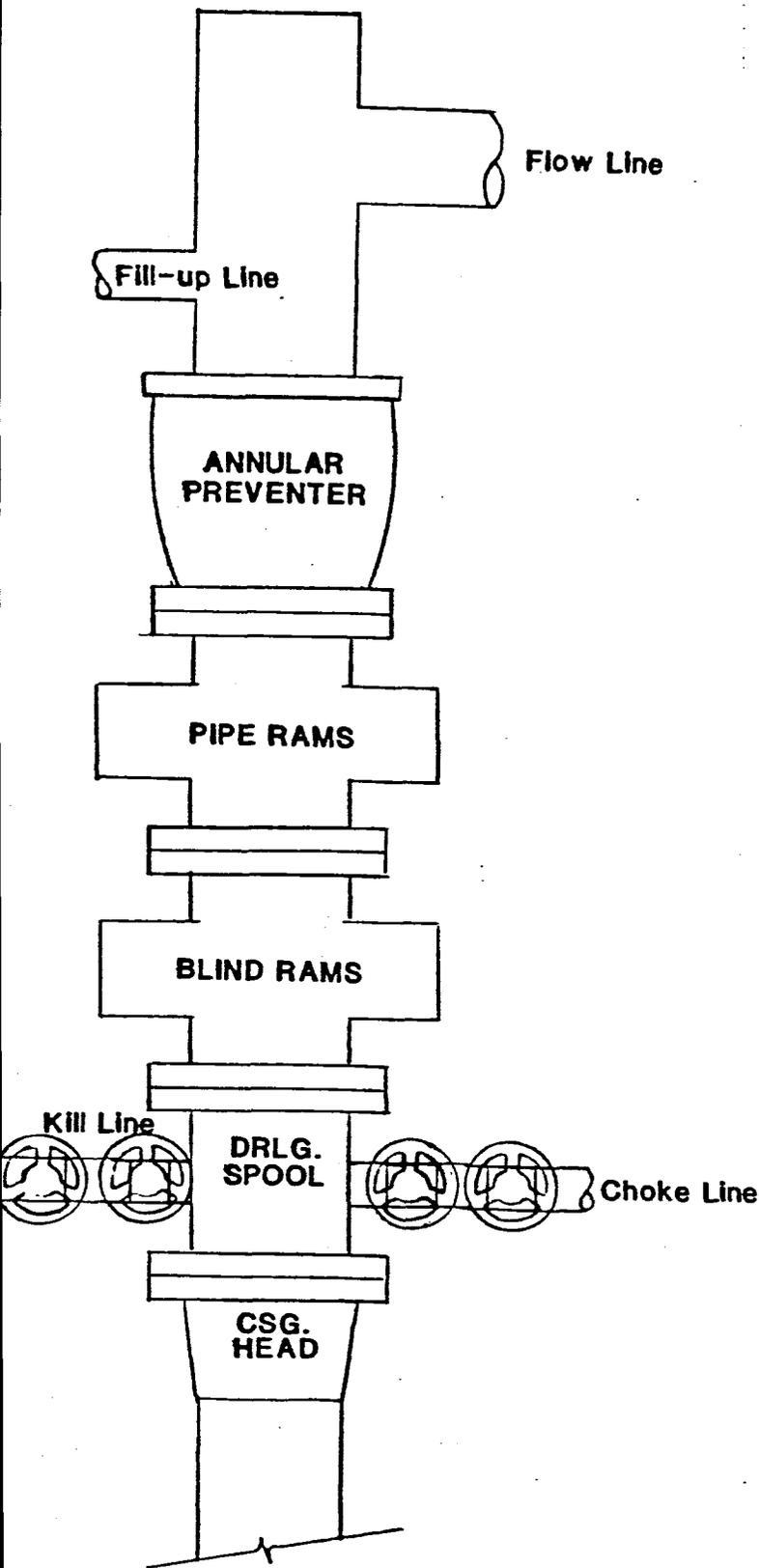
A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All 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 SO. 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.

BOP AND PRESSURE CONTAINMENT DATA



1. BOP equip shall consist of a double gate, hydraulically operated preventer with pipe & blind rams or two single ram type preventors, one equipped w/pipe rams, the other w/blind rams. BOP system will be consistent with API RP 53.
2. BOP's are to be well braced w/ hand controls extended clear of substructure.
3. Accumulator to provide closing pressure in excess of that required w/sufficient volume to operate all components.
4. All BOP equipment to be tested to 2000# for 15 minutes. The BOP's will be tested at the time of installation & every 30 days thereafter. BOP's to be mechanically checked daily.
5. Modification of hook-up or testing procedure must be approved in writing on tour reports by wellsite representative.

## 13 Point Surface Use Plan

FEDERAL 31-9H

### 1. Existing Roads:

See attached topographic map A. This wellsite is located approximately 14 miles south of Myton, Utah.

To reach NGC Well #31-9H, proceed west from Myton, Utah along U.S. Highway 40 for 1.5 miles to its junction with U.S. Highway 53. Proceed south two miles to its junction with County Road 216. Follow this road south for 6.6 miles past the Sand Wash Junction about 2200'. The proposed location is directly west of this road about 400'.

### 2. Planned Access Road:

See attached topographic map B.

The proposed access road will be 1000' long and will be constructed to the following standards:

- 1) Width - The running surface will be 18 feet and the total disturbance width including the ditches will not exceed 30 feet.
- 2) Maximum grade - 2%.
- 3) Turnouts - None necessary.
- 4) Drainage designs - Ditches will be constructed on each side of the road, V-shaped, 1 foot deep at 3:1 slopes.
- 5) Location and size of culverts, major cuts and fills - No major cuts or fills will be required. If necessary, a culvert will be placed at the low water crossing where the access road leaves the main road.
- 6) Surfacing materials - None are planned.
- 7) Gates, cattleguards, or fence cuts - None.
- 8) The proposed road has been flagged.
- 9) Approximately 100' of private surface will be crossed with the proposed access road. Agreement will be reached for use of this land prior to any construction work beginning.

### 3. Location of Existing Wells:

The following wells are located within a one mile radius of the location site.

- 1) Water wells - None.
- 2) Abandoned wells - None.
- 3) Temporarily abandoned wells - None.
- 4) Disposal wells - None.
- 5) Drilling wells - None.
- 6) Producing wells - 11-9H, 12-9H, 13-9H, 22-8H, Sec. 9, T.9S., R.17E.; 31-8H, 41-8H, 42-8H, also Lomax and Energetics wells in Sec. 8, T.9S., R.17E. and Diamond Shamrock well in Sec. 4, T.9S., R.17E.

- 7) Shut-in Wells - None.
- 8) Injection wells - None.
- 9) Monitoring or observation wells for other resources - None.

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 1½ times the storage capacity of the battery. Tank batteries will be placed on the northwest edge between points two and one.

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 will be located within 500' of the wellhead. The gas flowline will be anchored down from the wellhead to the meter and 500' downstream of the meter run or any production facilities. The meter run will be housed 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 Pariette Draw at a point in Section 27, T8S, R18E, Uintah County, Utah and hauled to point of use by truck.

6. Source of Construction Material:

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

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

7. Methods of Handling Waste Disposal:

The reserve pit will be lined with a plastic liner if deemed necessary after testing.

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

Produced waste water will be confined to a 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.

9. Well Site Layout:

See typical rig layout. Reserve pit will be fenced on three sides during drilling operations, on four sides after rig is removed. The reserve pit will be located on the northeast corner of the location between stakes number 4 and 5. The topsoil will be stockpiled and windrowed on the south side of the location between stakes number 7 and 8. Access to the site will be on the north near stake number 2. A small pit 10' x 10' will be constructed south of the reserve pits and will be used when testing the well.

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. The pit liner, if used, will be shredded prior to backfilling the pit.

All disturbed areas not needed for production or workover will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the areas to be seeded. All areas to be reseeded 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 lbs. per acre.

The seed mixture will be determined by the BLM at the time of restoration. If the well is abandoned, the entire disturbed area (including roads) will be restored by: (1) backfilling; (2) recontouring; (3) topsoiling; (4) seeding. Specifically, the platform highwall(s) and road fill(s) will be eliminated by moving all excavated material back in place. Restoration of the location and access road not needed for production or production equipment will begin within one year after completion of the well. If the access road is restored, an attempt will be made to block road to restrict vehicle use.

11. Surface and Mineral Ownership:

Federal - surface and minerals.

12. Other Information:

- 1) No known historical or archaeological sites are known to exist in this area. An archaeological survey has been conducted on the proposed location and access road and the area has been cleared. If any cultural resources are located during construction, all work will be stopped and the BLM notified.
- 2) Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes should be in accordance with the surface use standards as set forth in the booklet "Surface Operating Standards for Oil and Gas Exploration and Development".
- 3) The dirt contractor will be furnished an approved copy of the surface use plan and any additional BLM stipulations prior to starting work.
- 4) The well is within the limits of the requirements of State Spacing Rule C-3.
- 5) Well will identified in accordance with 43 CFR 3162.3-2.

13. Lessee's of Operators Representative and Certification

Representative

Name: Kathy Knutson

Address: 85 South 200 East, Vernal, UT 84078

Phone No. (801) 789-4573

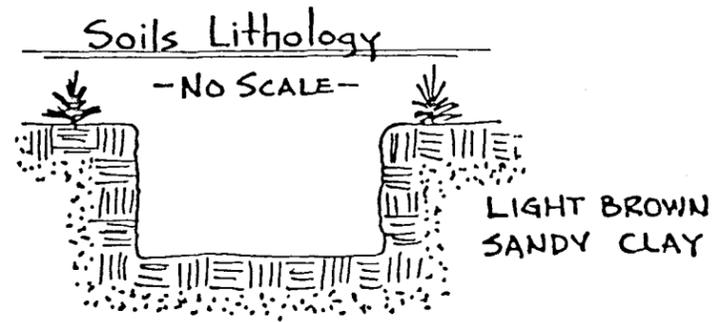
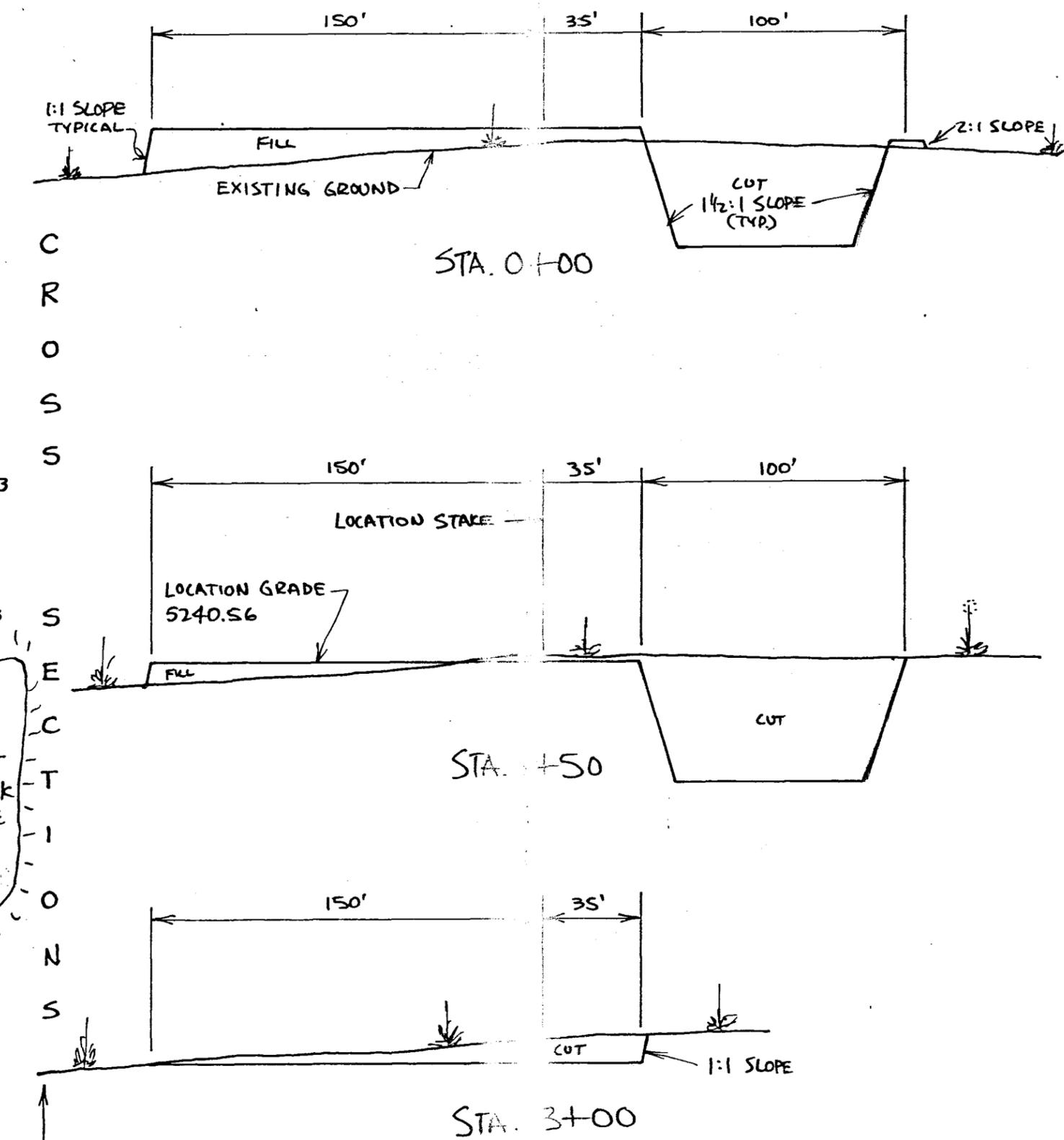
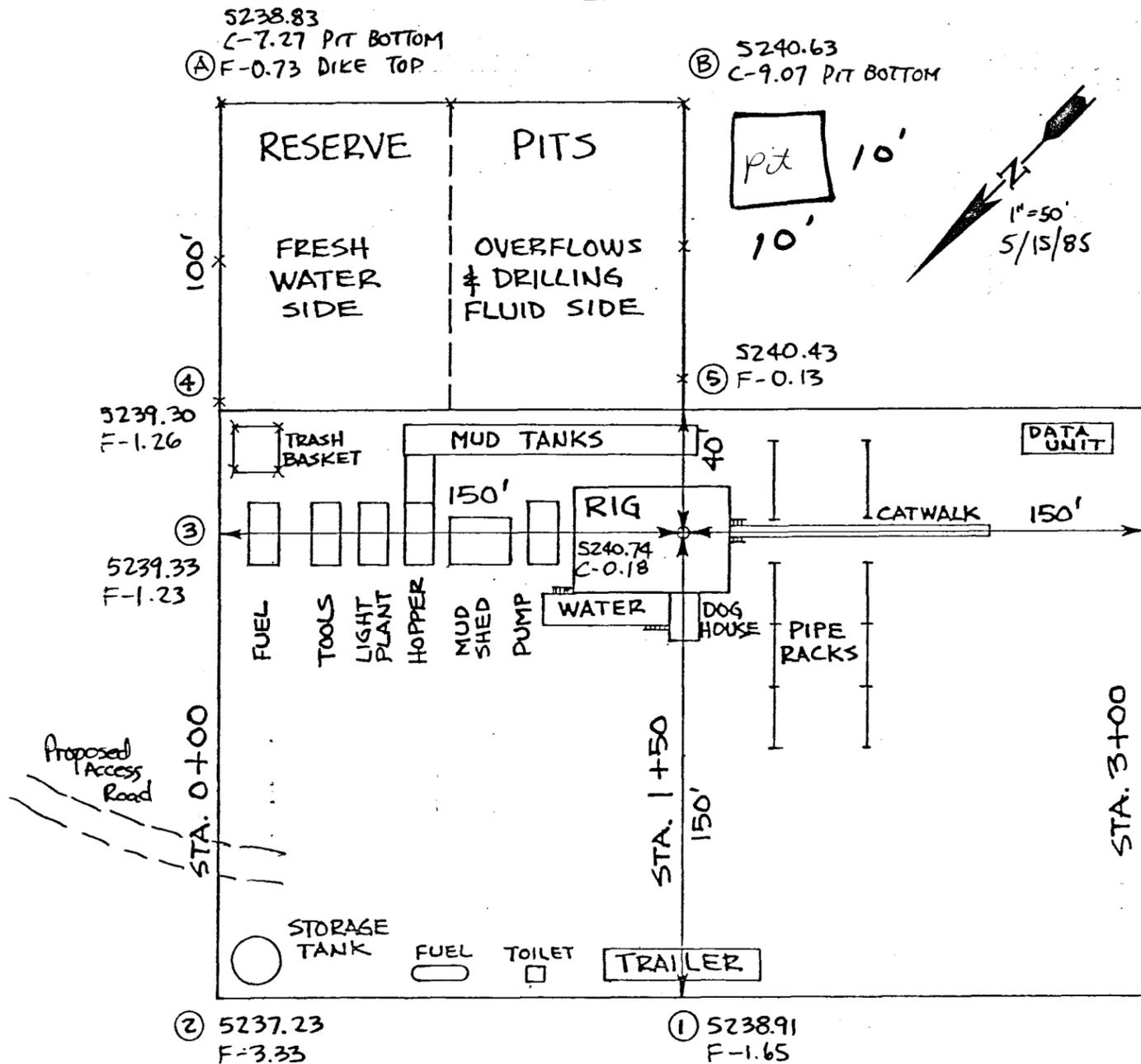
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Natural Gas Corporation of California and its contractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

5/24/85  
Date

Kathy Knutson  
Kathy Knutson, Technical Assistant

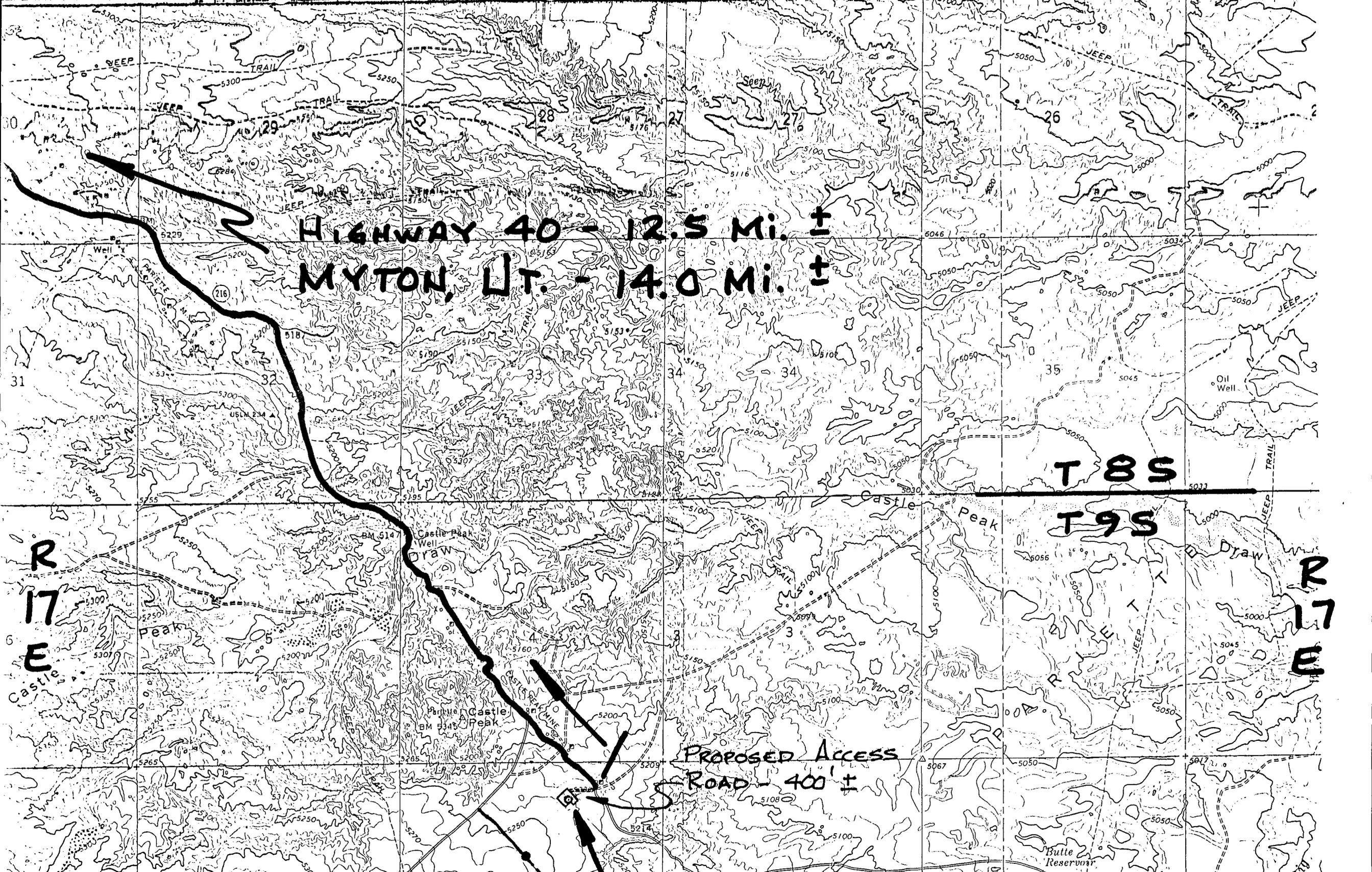
# NATURAL GAS CORP. OF CALIFORNIA

N. G. C. # 31-9



SCALES  
1" = 10'  
1" = 50'

Approximate Yardages  
 CU. YDS. CUT = 4719.27  
 CU. YDS. FILL = 1931.71  
 UNBALANCE AFTER 20% COMPACTION  
 2401.22 CU. YDS. CUT



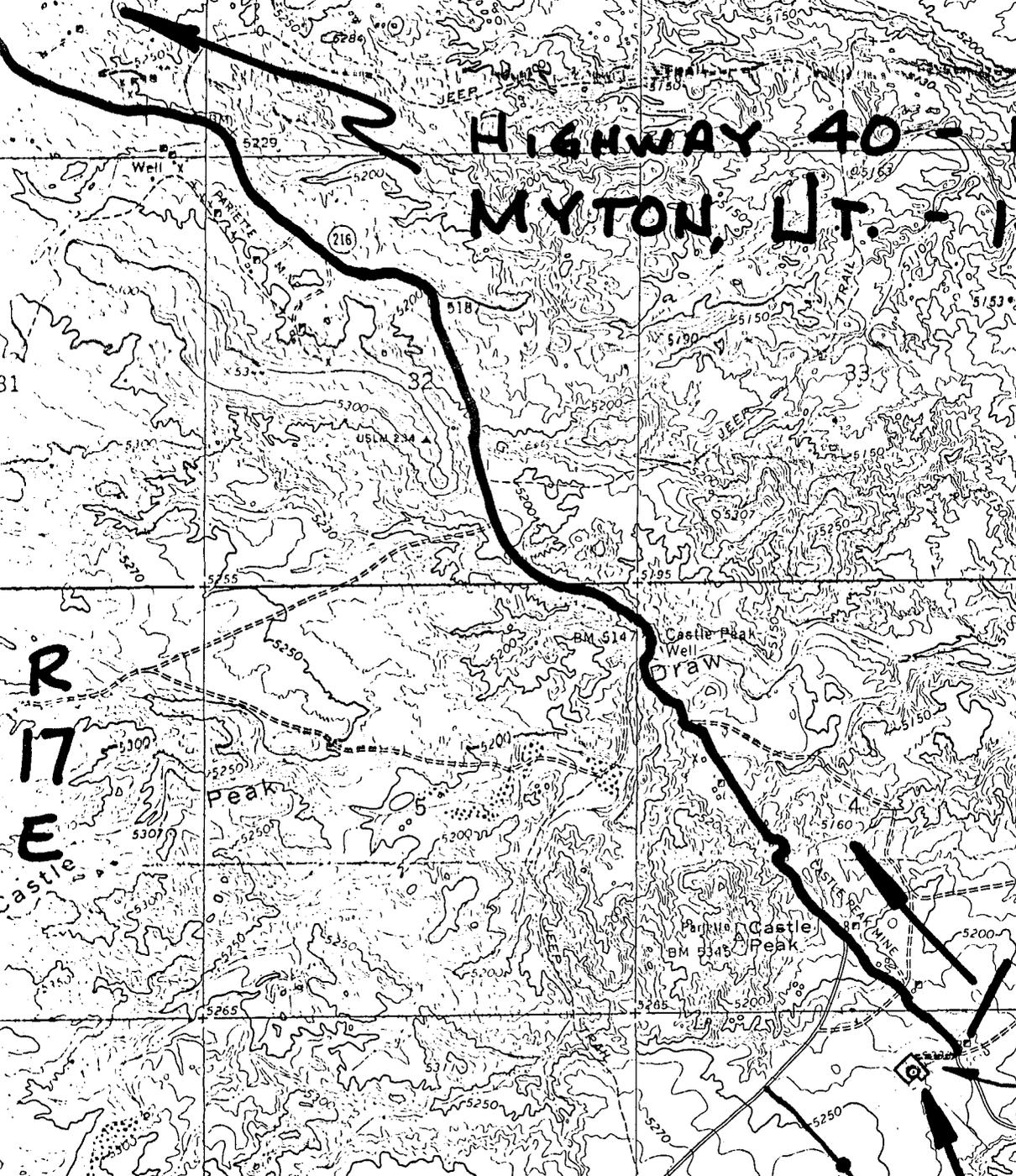
**HIGHWAY 40 - 12.5 Mi. ±**  
**MYTON, UT. - 14.0 Mi. ±**

**T 8 S**  
**T 9 S**

**R 17 E**

**R 17 E**

**PROPOSED ACCESS ROAD - 400' ±**



Butte Reservoir

SEEP

TRAIL

JEEP

TRAIL

Seep

Oil Well

Castle Peak

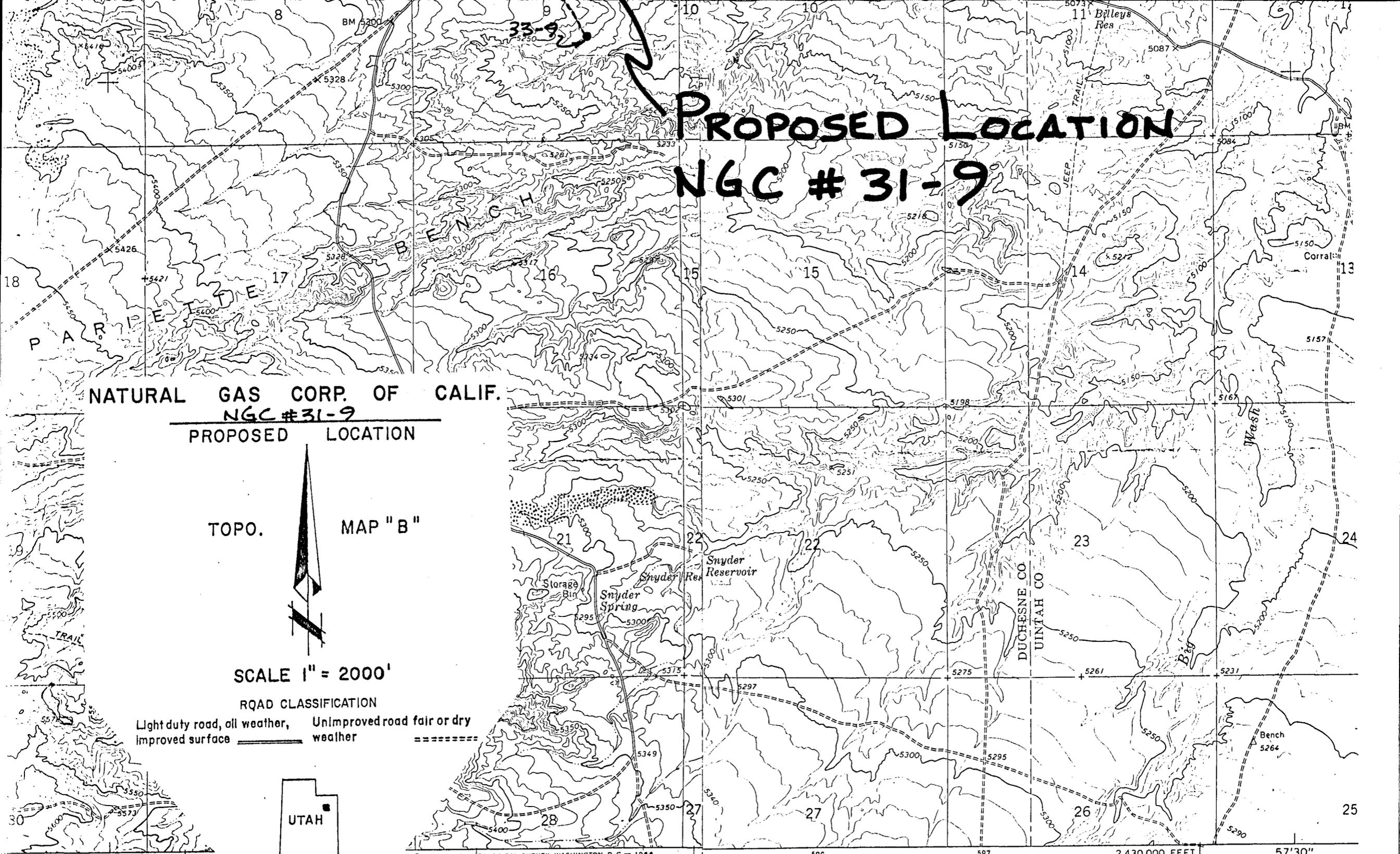
Draw

Peak

Castle Peak

Butte Reservoir

# PROPOSED LOCATION NGC # 31-9



NATURAL GAS CORP. OF CALIF.  
NGC # 31-9

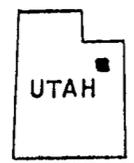
PROPOSED LOCATION

TOPO.

MAP "B"

SCALE 1" = 2000'

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



QUADRANGLE LOCATION

INTERIOR-DEOLOGICAL SURVEY WASHINGTON D C - 1966  
 584 585000m. E. 110°00' 586 587 2 430 000 FEET 57'30"

OPERATOR Natural Gas Corp of Co. DATE 5-30-85

WELL NAME Federal 31-9H

SEC NWNE 9 T 25 R 17E COUNTY Duchene

43-013-31107  
API NUMBER

Fed.  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 1000'  
Need water permit

APPROVAL LETTER:

SPACING:

A-3

UNIT

C-3-a

CAUSE NO. & DATE

C-3-b

C-3-c

STIPULATIONS:

1-water



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

June 4, 1985

Natural Gas Corporation of  
California  
85 South 200 East  
Vernal, Utah 84078

Gentlemen:

Re: Well No. Federal 31-9H - NW NE Sec. 9, T. 9S, R. 17E  
768' FNL, 1873' FEL - Duchesne County, Utah

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:

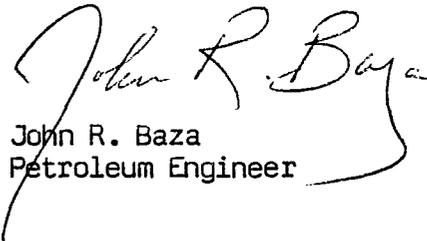
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2  
Natural Gas Corporation of  
California  
Well No. Federal 31-9H  
June 4, 1985

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 43-013-31107.

Sincerely,



John R. Baza  
Petroleum Engineer

as  
Enclosures  
cc: Branch of Fluid Minerals

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  
 Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
 85 South 200 East, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface: 768' FNL & 1873' FEL NW/NE  
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 14 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) 768'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. +3500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5241' Natural Ungraded Ground Level

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"	24.0#	270'	To Surface
7 7/8"	5 1/2"	15.5#	TD	As required to adequately protect all aquifers and hydrocarbon zones.

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 Kathy Krutson TITLE Technical Assistant DATE 5/23/85  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE ASSOCIATE DISTRICT MANAGER  
 APPROVED BY Don Alford TITLE \_\_\_\_\_ DATE 06-03-85  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL: CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

\*See Instructions On Reverse Side

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.

5. LEASE DESIGNATION AND SERIAL NO.  
 U-50750  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
 Federal  
 9. WELL NO.  
 31-9H  
 10. FIELD AND POOL, OR WILDCAT  
 Pleasant Valley  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec 9, T9S, R17E  
 12. COUNTY OR PARISH 13. STATE  
 Duchesne Utah

RECEIVED  
 JUN 06 1985  
 DIVISION OF OIL  
 GAS & MINING

MAY 1985

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Natural Gas Corp. of California Well No. 31-9 H

Location Sec. 9 T9S R17E Lease No. U-50750

Onsite Inspection Date 05-16-85

A. DRILLING PROGRAM

1. Pressure Control Equipment

The ram-type preventers shall be tested to 2,000 psi, and the annular-type preventer shall be tested to 1,500 psi.

Choke manifold system will be consistent with API RP 53.

2. Coring, Logging and Testing Program

Daily drilling and completion reports shall be submitted to this office on a weekly basis.

B. THIRTEEN POINT SURFACE USE PLAN

1. Planned Access Roads:

- a. Width: 30' right-of-way - 18' running surface.
- b. Maximum grades: 8%.
- c. Drainage: low water crossing off main road.
- d. Other: Right of Way from patent land approximately 100'. Only about 400 feet of new access road will be constructed from the well location to the main road which trends NW/SE through the NE/4, Section 9, T9S, R17E.

All travel will be confined to existing access road rights-of-way.

2. Methods of Handling Waste Disposal

The reserve pit will be lined if deemed necessary by BLM representatives. This determination will be made by the BLM immediately following pad construction.

Produced waste water will be confined to the reserve pit for a period not to exceed 90 days after initial production.

3. Plans for Restoration of 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 seed mixture will be proportionately larger to total double the pounds per acre.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed within 1 year of well completion.

4. Other Information

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed.

"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.

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.



Natural Gas  
Corporation of  
California

RECEIVED

JUN 14 1985

DIVISION OF OIL  
GAS & MINING

June 12, 1985

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

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

SUBJECT: Notice of Spud  
NGC 31-9H  
Section 9, T9S, R17E  
Duchesne County, Utah

Dear Sir,

Attached is form 3160-5, Sundry Notices and Reports on Wells, for the above subject well located in Duchesne County, Utah. This well is currently waiting on rotary tools.

Very truly yours,



Kathy Knutson  
Technical Assistant

/kk  
attachments

cc: Chorney Oil Company  
Files

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate  
(Other instructions  
reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
NATURAL GAS CORPORATION OF CALIFORNIA

3. ADDRESS OF OPERATOR  
85 SOUTH 200 EAST, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State or Federal regulations. See also space 17 below.)  
At surface  
768' FNL & 1873' FEL, NW/NE

14. PERMIT NO.  
43-013-31107

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5241' NGL

RECEIVED

JUN 14 1985

DIVISION OF OIL  
GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
U-50750

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
FEDERAL

9. WELL NO.  
31-9

10. FIELD AND POOL, OR WILDCAT  
PLEASANT VALLEY

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SEC 9, T9S, R17E

12. COUNTY OR PARISH  
DUCHESNE

13. STATE  
UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(Other) SPUD NOTICE

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

WELL WAS SPUD AT 7:30 A.M., 6-10-85 BY RAM AIR DRILLING. A 12 1/4" HOLE WAS DRILLED TO 283' WITH AIR. 7 JOINTS OF 8 5/8", 24.0#, K-55 ST&C CASING WAS SET AT TD AND CEMENTED TO SURFACE WITH 200 SACKS CLASS "A" CEMENT. BUMPED PLUG AND PRESSURED TO 600#, FLOAT HELD. WORT.

ORAL NOTICE OF SPUD WAS CALLED TO ALAN MCKEE WITH BLM AND JOHN BAZA WITH STATE OF UTAH ON 6-11-85.

18. I hereby certify that the foregoing is true and correct

SIGNED Kathy Knutson TITLE TECHNICAL ASSISTANT DATE 6-12-85

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR <b>NATURAL GAS CORPORATION OF CALIFORNIA</b></p> <p>3. ADDRESS OF OPERATOR <b>85 SOUTH 200 EAST, VERNAL, UTAH 84078</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>768' FNL &amp; 1873' FEL, NW/NE</b></p> <p>14. PERMIT NO. <b>43-013-31107</b></p>	<p>5. LEASE DESIGNATION AND SERIAL NO. <b>U-50750</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <b>FEDERAL</b></p> <p>9. WELL NO. <b>31-9H</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>PLEASANT VALLEY</b></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>SEC 9, T9S, R17E</b></p> <p>12. COUNTY OR PARISH <b>DUCHESNE</b></p> <p>13. STATE <b>UTAH</b></p>
<p>15. ELEVATIONS (Show whether DF, RT, CR, etc.) <b>5241' NGL</b></p>	

RECEIVED

JUN 20 1985

DIVISION OF OIL  
GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <b>WEEKLY OPERATIONS REPORT</b>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

- 6-14-85 WORT. Line reserve pit, filling with water.
- 6-15-85 RU Olsen Rig #2.
- 6-16-85 Tag cmt @ 253', begin drilling at 5:30 a.m., 6-16-85.  
Test PR to 2000#, Hydrill to 1500#, BR & chokes to 2000#.  
Begin drilling 7 7/8" hole.
- 6-17-85 Drld 1080' in 21 1/2 hrs.
- 6-18-85 TD'2864', made 1488' in 23 3/4 hrs. Drilling cont.

18. I hereby certify that the foregoing is true and correct

SIGNED Kathy Krutson TITLE TECHNICAL ASSISTANT DATE 6-18-85

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL IF ANY:

\*See Instructions on Reverse Side

Natural Gas  
Corporation of  
California

RECEIVED

JUN 28 1985

DIVISION OF OIL  
GAS & MINING

NGC NGC

June 26, 1985

Bureau of Land Management  
Vernal District  
170 South 200 East  
Vernal, Utah 84078

Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

SUBJECT: Well Completion Report  
Subsequent Report of Abandonment  
31-9H Federal

Gentlemen:

Attached are the Well Completion Report and Subsequent Report of Abandonment for the 31-9H Federal well located in Section 9, T9S, R17E, Duchesne County, Utah. A dry hole marker will be set and the surface rehabilitated as per APD stipulations. You will be advised when rehabilitation has been completed and this location ready for final inspection and release.

Very truly yours,

*Kathy Knutson*

Kathy Knutson  
Technical Assistant

cc: Chorney Oil Company  
S. Furtado  
Land Department  
Files

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

PERMIT IN DUPLICATE  
(See other instructions on reverse side)

Fed. Budget No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other P&A

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR  
85 South 200 East, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 768' FNL & 1873' FEL NW/NE

At top prod. interval reported below

At total depth SAME

14. PERMIT NO. 43-013-31107 DATE ISSUED 16-4-85

DIVISION OF OIL  
GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
U-50750

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
FEDERAL

9. WELL NO.  
31-9H

10. FIELD AND POOL, OR WILDCAT  
PLEASANT VALLEY <sup>Monument</sup> <sub>Butte</sub>

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC 9, T9S R17E

12. COUNTY OR PARISH  
DUCHESNE

13. STATE  
UTAH

15. DATE SPUDDED 6-10-85 16. DATE T.D. REACHED 6-23-85 17. DATE COMPL. (Ready to prod.) NA 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5241' NGL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6000' 21. PLUG, BACK T.D., MD & TVD 0' 22. IF MULTIPLE COMPL., HOW MANY\* → 23. INTERVALS DRILLED BY ALL ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
NONE

25. WAS DIRECTIONAL SURVEY MADE  
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN  
CNL, FDC w/GR & CAL, DIL LL w/ GR & CAL

27. WAS WELL CORED  
NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24.0#	283'	12 1/4"	200 sx class "A" cement	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
NA				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
NA		

31. PERFORATION RECORD (Interval, size and number)

NONE

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION \_\_\_\_\_ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) \_\_\_\_\_ WELL STATUS (Producing or shut-in) P&A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) \_\_\_\_\_ TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Kathy Knutson TITLE Technical Assistant DATE 6-26-85

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Green River		
				A Marker	3938'	
				D Marker	4800'	
				E Marker	4929'	
				F Marker	5412'	
				Douglas Creek	4569'	
				GR Lime	5824'	

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO. U-50750

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME \_\_\_\_\_

8. FARM OR LEASE NAME FEDERAL

9. WELL NO. 31-9H

10. FIELD AND POOL, OR WILDCAT PLEASANT VALLEY

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC 9, T9S, R17E

12. COUNTY OR PARISH DUCHESNE 13. STATE UTAH

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR NATURAL GAS CORPORATION OF CALIFORNIA

3. ADDRESS OF OPERATOR 85 SOUTH 200 EAST, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface 768' FNL & 1873' FEL, NW/NE'

14. PERMIT NO. 43-013-31107

15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5241' NGL

RECEIVED

JUN 28 1985

DIVISION OF OIL GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD well at 6000' at 4:00 p.m., 6-22-85. Run logs. Receive verbal approval to plug and abandon well from Jerry Kenczka 6-23-85. Plugs were set as follows:

Plug #1	4606'-4406'	70 sx class "G"
Plug #2	3392'-3192'	70 sx class "G"
Plug #3	1992'-1792'	70 sx class "G"
Plug #4	373'- 173'	70 sx class "G"

Olsen Rig #2 released at 10:00 a.m., June 24, 1985.  
Dry hole marker will be set and surface rehabilitated as per APD specifications.

ACCEPTED BY THE STATE  
OF UTAH DIVISION  
OIL, GAS, AND MINING  
DATE: 7/1/85  
BY: [Signature]

18. I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE TECHNICAL ASSISTANT DATE 6-26-85

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

RECEIVED

JUL 02 1985

June 28, 1985

DIVISION OF OIL  
GAS & MINING

TEMPORARY

Natural Gas Corporation of California  
85 South 200 East  
Vernal, UT 84078

Dear Applicant:

RE: TEMPORARY APPLICATION  
NUMBER 47-1752 (T60944)

Enclosed is a copy of approved Temporary Application Number 47-1752 (T60944). This is your authority to construct your works and to divert the water for the uses described.

While this approved application does give you our permission to divert and use water, it does not grant easements through public or private lands in order to gain access to the source nor to convey the water to the place of use, nor does this approval eliminate the need for such other permits as may be required by this Division or any other agency in implementing your diversion.

This application will expire June 1, 1986, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

Your contact with this office, should you need it is with the Area Engineer, Mark Page. The telephone number is (801)637-1303.

Yours truly,

Robert L. Morgan, P.E.  
State Engineer

RLM:slm

Encl.: Copy of approved Temporary Application





**FEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH**

Flow rate — c.f.s.	Cost	
0.0 to 0.1 .....	\$ 15.00	
over 0.1 to 0.5 .....	30.00	
over 0.5 to 1.0 .....	45.00	
over 1.0 to 15.0 .....	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0 .....	150.00	foot per second.
<b>Storage — acre-feet</b>		
0 to 20 .....	22.50	
over 20 to 500 .....	45.00	
over 500 to 7500 .....	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500 .....	150.00	500 acre feet.

(This section is not to be filled in by applicant)

**STATE ENGINEER'S ENDORSEMENTS**

1. June 4, 1985 Application received by mail over counter in State Engineer's office by SP
2. .... Priority of Application brought down to, on account of .....
3. 6-13-85 Application fee, \$15.00, received by g.f. Rec. No. 18269
4. .... Application microfilmed by ..... Roll No. ....
5. .... Indexed by ..... Platted by .....
6. 6-10-85 Application examined by SP
7. .... Application returned, ..... or corrected by office .....
8. .... Corrected Application resubmitted by mail over counter to State Engineer's office.
9. .... Application approved for advertisement by .....
10. .... Notice to water users prepared by .....
11. .... Publication began; was completed .....
- ..... Notice published in .....
12. .... Proof slips checked by .....
13. .... Application protested by .....
- .....
14. .... Publisher paid by M.E.V. No. ....
15. .... Hearing held by .....
16. .... Field examination by .....
17. 6-10-85 Application designated for approval SP S.G.  
rejection
18. 6/28/85 Application copied or photostated by s.l.m. proofread by .....
19. 6/28/85 Application approved  
~~rejected~~
20. **Conditions:**  
This Application is approved, subject to prior rights, as follows:  
a. Actual construction work shall be diligently prosecuted to completion.  
b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR  
c. TEMPORARY APPROVAL -- EXPIRES June 1, 1986.
- .....
- .....  
Robert L. Morgan, P.E. State Engineer
21. .... Time for making Proof of Appropriation extended to .....
22. .... Proof of Appropriation submitted.
23. .... Certificate of Appropriation, No. ...., issued

WATER RIGHTS DATA BASE  
ENTERED - DATE / / BY  
VERIFIED - DATE / / BY

**TEMPORARY** Application No. T60944  
49-17523

IN THE OFFICE OF THE STATE ENGINEER OF THE STATE OF UTAH

REQUEST FOR REINSTATEMENT AND EXTENSION OF TIME

RECEIVED JUL 11 1995

(Before Fourteen Years)

DIVISION OF WATER RIGHTS  
VERNAL, UTAH

WATER RIGHT NO. **43-9974 (a14289)** APPLICANT: **Owen Dale Anderson**  
Robert Williams  
C/O Dalbo Inc. P.O.Box 1188  
Vernal, UT 84078

STATE OF UTAH  
COUNTY OF **Duchesne**

Cindy Young, being first duly sworn that he or she is the (agent of the) owner of the above number application; that the information given is true and correct to the best of his or her knowledge.

Describe briefly the type, extent, and cost of construction completed to date, and the estimated cost of any remaining construction to complete the project and to submit PROOF of BENEFICIAL USE. Give reasons why the work could not be completed and water put to beneficial use within the time allowed.

Robert Williams recently purchased the property from Owen Dale Anderson and was not notified regarding the proof due notices until after June 30, 1995.

Therefore, we are requesting a reinstatement of the water right and an extension of time to clear the title work and file proof.

Pursuant to Section 73-3-12, Utah Code Annotated 1953 (as amended), request is made for REINSTATEMENT and EXTENSION OF TIME for filing proof from

June 30, 19 95 to June 30, 19 98.

Cindy Young  
APPLICANT (if a corporation, give title of officer signing)

Subscribed and sworn to before me this 11th day of July, 1995.

Beverly M. White  
NOTARY PUBLIC

FOR OFFICE USE ONLY

PROOF DUE DATE: **June 30, 1995** 14 YEAR PERIOD ENDS: **October 28, 2002**

\$25 FEE RECD. \_\_\_\_\_ BY \_\_\_\_\_ COMPUTER \_\_\_\_\_

REMARKS \_\_\_\_\_

RECOMMENDED DISPOSITION

PLEASE RETURN TO: DIVISION OF WATER RIGHTS-VERNAL OFFICE-State & County Bldg.\*152 East 100 North-Vernal, Utah 84078\*(801)781-5327.

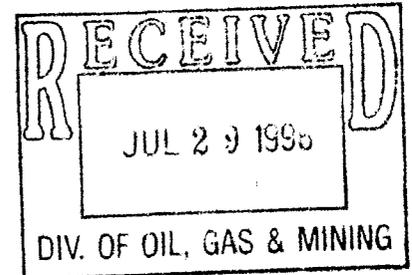
**A Wastewater Permit Application will be filed with the Uintah Basin District Health Department in Duchesne once the drilling contractor has been determined.**





July 26, 1996

Utah Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801



Attn: Frank Matthews

Re: **Enserch Exploration, Inc.**  
**Federal #31R-9H**  
**NW NE Sec. 9, T9S - R17E**  
**Duchesne County, Utah**

Dear Frank,

Enclosed please find three copies of the Application for Permit to Drill on the above mentioned well along with one copy of the drilling program and surface use plan which has been filed with the BLM in Vernal, Utah.

Please forward the approved copies to me at the address shown below. Thanks for your assistance in this matter.

Sincerely,

PERMITCO INC.

**Lisa L. Smith**  
**Consultant for:**  
**Enserch Exploration, Inc.**

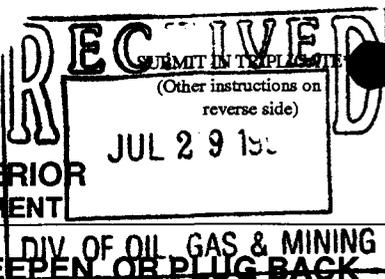
Enc.

cc: **Enserch Exploration, Inc. - Dallas, TX**  
**Enserch Exploration, Inc. - Vernal, UT**

**Permitco Incorporated**  
A Petroleum Permitting Company

13585 Jackson Drive Denver, Colorado 80241 (303) 452-8888

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



43-013-31107  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL  DEEPEN  PLUG BACK   
 1b. TYPE OF WELL Re-entry  
 OIL GAS SINGLE MULTIPLE  
 WELL  WELL  OTHER ZONE  ZONE

5. LEASE DESIGNATION AND SERIAL NO.  
**U-75078**  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**N/A**

2. NAME OF OPERATOR **214/987-6430 4849 Greenville Ave., Suite 1200**  
**Enserch Exploration, Inc. Dallas, Texas 75206**  
 3. ADDRESS OF OPERATOR **303/452-8888 13585 Jackson Drive**  
**PERMITCO INC. - Agent Denver, CO 80241**

7. UNIT AGREEMENT NAME  
**N/A**  
8. FARM OR LEASE NAME  
**Federal**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. \*)  
 At Surface **768' FNL and 1873' FEL**  
 At proposed Prod. Zone **NW NE (Lot 3) Sec. 9, T9S - R17E**

9. WELL NO.  
**#31R-9H (Re-entry)**  
10. FIELD AND POOL OR WILDCAT  
**Pleasant Valley**  
11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
**Sec. 9, T9S - R17E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**13.1 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)  
**552'**  
16. NO. OF ACRES IN LEASE  
**71.51**  
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  
**6000'**  
20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**5242' GR**  
22. APPROX. DATE WORK WILL START\*  
**Upon approval**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	283'	Existing casing/cmt.
7-7/8"	5-1/2"	15.5#	6,000'	1900 cubic feet.

Enserch Exploration, Inc. proposes to re-enter the subject well to a total depth of 6000' to test the Douglas Creek "D" & "F" formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

**CONFIDENTIAL - TIGHT HOLE**

See Onshore Order No. 1 attached.

Please be advised that Enserch Exploration, Inc. is considered to be the Operator of the above mentioned well. Enserch Exploration, Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Nationwide BLM Bond No. MT-0680, (203826). The principal is Enserch Exploration, Inc. via surety consent as provided for in 43 CFR 3104.2.

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 *Ben G. Smith* CONSULTANT FOR: Enserch Exploration, Inc. TITLE DATE 07/26/96

PERMIT NO. 43-013-31107 APPROVAL DATE  
 APPROVED BY *J. Matthews* TITLE Petroleum Engineer DATE 8/16/96  
 CONDITIONS OF APPROVAL, IF ANY:

cc: Utah Division of Oil, Gas & Mining

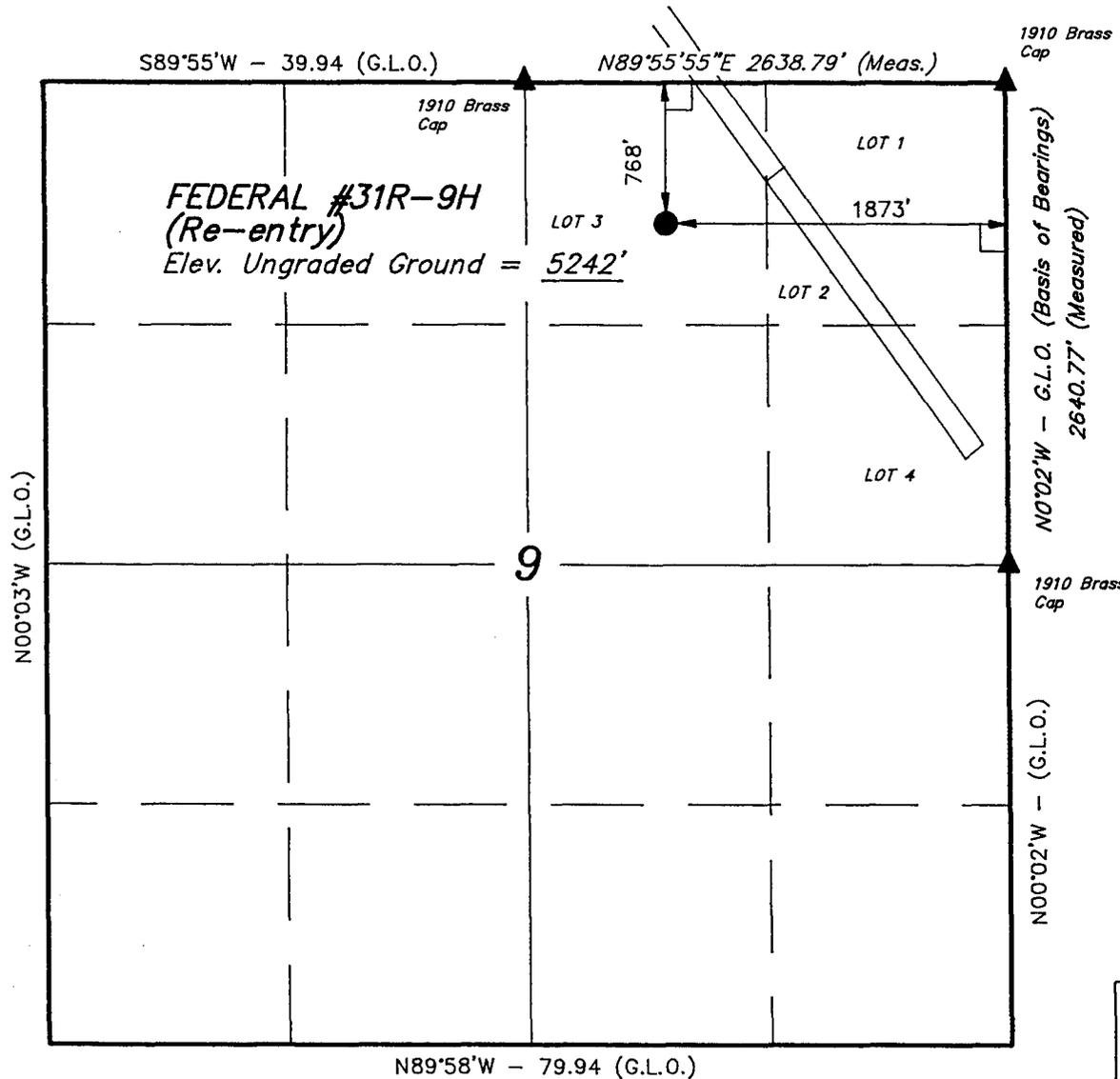
**\*See Instructions On Reverse Side**

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.

T9S, R17E, S.L.B.&M.

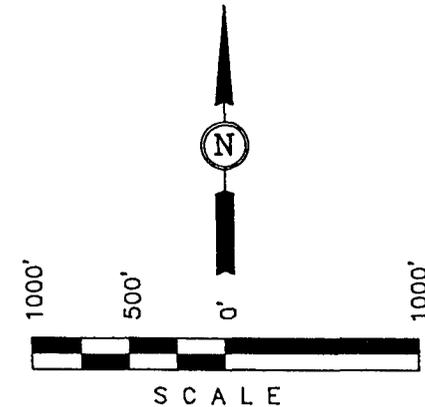
**ENSERCH EXPLORATION, INC.**

Well location, FEDERAL #31R-9H (Re-entry), located as shown in LOT 3 of Section 9, T9S, R17E, S.L.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 3, T9S, R17E, S.L.B.&M. TAKEN FROM THE PARIETTE DRAW SW, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5067 FEET.



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.

NO. 161319  
 ROBERT A. KAY  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

**UNTAM ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

LEGEND:

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 7-12-96	DATE DRAWN: 7-15-96
PARTY D.A. K.H. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ENSERCH EXPLORATION, INC.	

**CONFIDENTIAL - TIGHT HOLE**

**ONSHORE OIL & GAS ORDER NO. 1**

**Approval of Operations on Onshore  
Federal and Indian Oil & Gas Leases**

**FEDERAL #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3) Sec. 9, T9S - R17E  
Duchesne County, Utah**

**Prepared For:**

**ENSERCH EXPLORATION, INC.**

**By:**

**PERMITCO INC.  
13585 Jackson Drive  
Denver, Colorado 80241  
303/452-8888**

**CONFIDENTIAL - TIGHT HOLE**

**Copies Sent To:**

- 3 - BLM - Vernal, Utah**
- 1 - Utah Division of Oil, Gas & Mining - SLC, UT** ←
- 5 - Enserch Exploration, Inc. - Dallas, TX**
- 1 - Enserch Exploration, Inc. - Vernal, UT**



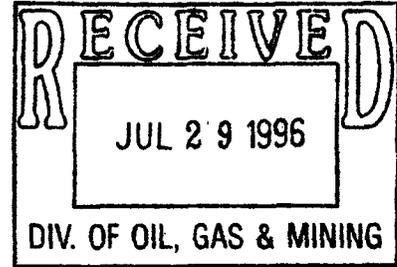
**Permitco Incorporated**  
A Petroleum Permitting Company

**ENSERCH  
EXPLORATION INC.**

Drilling Division  
4849 Greenville Ave., Suite 1200  
Dallas, Texas 75206-4188

**Bureau of Land Management  
170 S. 500 East  
Vernal, Utah 84078**

**Attn: Minerals**



**Re: Federal 31R-9H  
Sec. 9-T9S-R17E  
Duchesne Co., Utah**

**Gentlemen:**

**This letter is to inform you that Permitco Inc. is authorized to act as Agent and to sign documents on behalf of Enserch Exploration, Inc. when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned well.**

**It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production or compliance with regulations.**

**Enserch Exploration, Inc. agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above mentioned well.**

*Wm. Dane Hendley* 7/25/96  
Wm. Dane Hendley Date

**TABLE OF CONTENTS**  
**Federal #31R-9H**

**DRILLING PROGRAM**

**Page No.**

1.	Formation Tops	1
2.	Anticipated Depth of Oil, Gas & Water	1
3.	Blow Out Preventor Requirements	2-3
4.	Casing and Cement Program	4-7
5.	Mud Program	7-8
6.	Testing, Logging and Coring	8-9
7.	Abnormal Pressures & H <sub>2</sub> S Gas	9
8.	Other Information & Notification Requirements	9-11

**SURFACE USE PLAN**

1.	Existing Roads	2
2.	Access Roads to be Constructed or Reconstructed	2-3
3.	Location of Wells Within 1-Mile	4
4.	Proposed Production Facilities	4-5
5.	Water Supply	5
6.	Construction Materials	6
7.	Waste Disposal	6-7
8.	Ancillary Facilities	7
9.	Wellsite Layout	7-8
10.	Reclamation	8-9
11.	Surface/Mineral Ownership	9
12.	Other Information	9-11
13.	Certification	11-12

ONSHORE ORDER NO. 1  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-75078

DRILLING PROGRAM

Page 1

ONSHORE OIL & GAS ORDER NO. 1  
Approval of Operations on Onshore  
Federal and Indian Oil and Gas Leases

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.

1. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Uintah	Surface	
Green River	1465'	+3792'
Douglas Creek Marker	4629'	+ 628'
"D" Marker	4864'	+ 393'
"F" Marker	5470'	- 213'
Basal Limestone	5864'	- 607'
T.D.	6000'	

2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil	D Sands	4864-4990'
Oil	F Marker	5490-5620'
Water	N/A	
Other Mineral Zones	N/A	

All fresh water prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.



Permitco Incorporated  
A Petroleum Permitting Company

**ONSHORE ORDER NO. 1**  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

**CONFIDENTIAL - TIGHT HOLE**

Lease No. U-75078

**DRILLING PROGRAM**

Page 2

**3. Pressure Control Equipment**

Enserch's minimum specifications for pressure control equipment are as follows:

**Ram Type: 10" Hydraulic double with annular, 3000 psi w.p.**

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.



Permitco Incorporated  
A Petroleum Permitting Company

ONSHORE ORDER NO. 1  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-75078

DRILLING PROGRAM

Page 3

A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been 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 will be 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 the BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 10", 3000 psi working pressure blowout preventor.
- b. A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.



Permitco Incorporated  
A Petroleum Permitting Company

ONSHORE ORDER NO. 1  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-75078

DRILLING PROGRAM

Page 4

4. Proposed Casing and Cementing Program:

- a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.
- b. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- c. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data)
- d. Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- e. All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.
- f. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- g. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- h. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.



Permitco Incorporated  
A Petroleum Permitting Company

ONSHORE ORDER NO. 1  
 Enserch Exploration, Inc.  
Federal #31R-9H  
 768' FNL and 1873' FEL  
 NW NE (Lot 3), Sec. 9, T9S - R17E  
 Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-75078

DRILLING PROGRAM

Page 5

- i. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- j. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- k. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- l. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

m. The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>New</u>	
						<u>Type</u>	<u>Used</u>
Surface	0-283'	11"	8-5/8"	24#	K-55	ST&C	Existing
Produc.	0-6000'	7-7/8"	5-1/2"	15.5#	J-55	ST&C	New

n. Casing design subject to revision based on geologic conditions encountered.

o. The cement program will be as follows:

<u>Surface</u>	<u>Type and Amount</u>
0-283'	Existing



Permitco Incorporated  
 A Petroleum Permitting Company

ONSHORE ORDER NO.  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-75078

DRILLING PROGRAM

Page 6

Production

0-6000'

Type and Amount

Stage 1: 1300 cubic feet Light weight cement containing gel, salt and lcm. Approx. 11.1 ppg and 2.82 cubic feet/sk.

Stage 2: 600 cubic feet Class "G" containing gypsum, retarder and salt. Approx. 14.9 ppg, 1.52 cubic feet/sk.

- p. 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.
- q. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- r. The following reports shall be filed with the District Manager within 30 days after the work is completed.
  - 1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:
    - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
    - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.



Permitco Incorporated  
A Petroleum Permitting Company

s. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. No bit float is deemed necessary.
3. A sub with a full opening valve.

5. Mud Program

a. The proposed circulating mediums to be employed in drilling are as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>	<u>PH</u>
0-6000'	Wtr./Lime & Gel	8.4-8.86	27-36	N/C	9.0-10.0

There will be sufficient mud on location to control a blowout should one occur.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.

b. Mud monitoring equipment to be used is as follows:

1. Periodic checks will be made each tour of the mud system. The mud level will be checked visually.

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

d. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355,



in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

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

6. Evaluation Program

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated, however, if DST's are run, the following requirements will be adhered to:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- b. No logs will be run.
- c. No cores will be run.

ONSHORE ORDER NO. 1  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-75078

DRILLING PROGRAM

Page 9

- d. 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).
  - e. The anticipated completion program is as follows:  
Perforate zones of interest and frac hydrocarbon bearing zones. Flow to tanks.
  - f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.
7. Abnormal Temperatures or Pressures
- a. The expected bottom hole pressure is 2700 psi.
  - b. No hydrogen sulfide gas is anticipated and no abnormal pressures or temperatures are anticipated.
8. Anticipated Starting Dates and Notification of Operations
- a. Drilling will commence immediately upon approval of this application.
  - b. It is anticipated that the re-entry of this well will take approximately 4 days.
  - c. The BLM in Vernal, Utah shall be notified of anticipated date of location construction commencement and of anticipated spud date.



Permitco Incorporated  
A Petroleum Permitting Company

ONSHORE ORDER NO. 1  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-75078

DRILLING PROGRAM

Page 10

- d. 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.
- e. 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.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "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 with the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.
- g. 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.
- h. 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.
- i. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.
- j. Pursuant to Onshore Order No. 7, 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.



Permitco Incorporated  
A Petroleum Permitting Company

**ONSHORE ORDER NO. 1**  
**Enserch Exploration, Inc.**  
**Federal #31R-9H**  
**768' FNL and 1873' FEL**  
**NW NE (Lot 3), Sec. 9, T9S - R17E**  
**Duchesne County, Utah**

**CONFIDENTIAL - TIGHT HOLE**

Lease No. U-75078

**DRILLING PROGRAM**

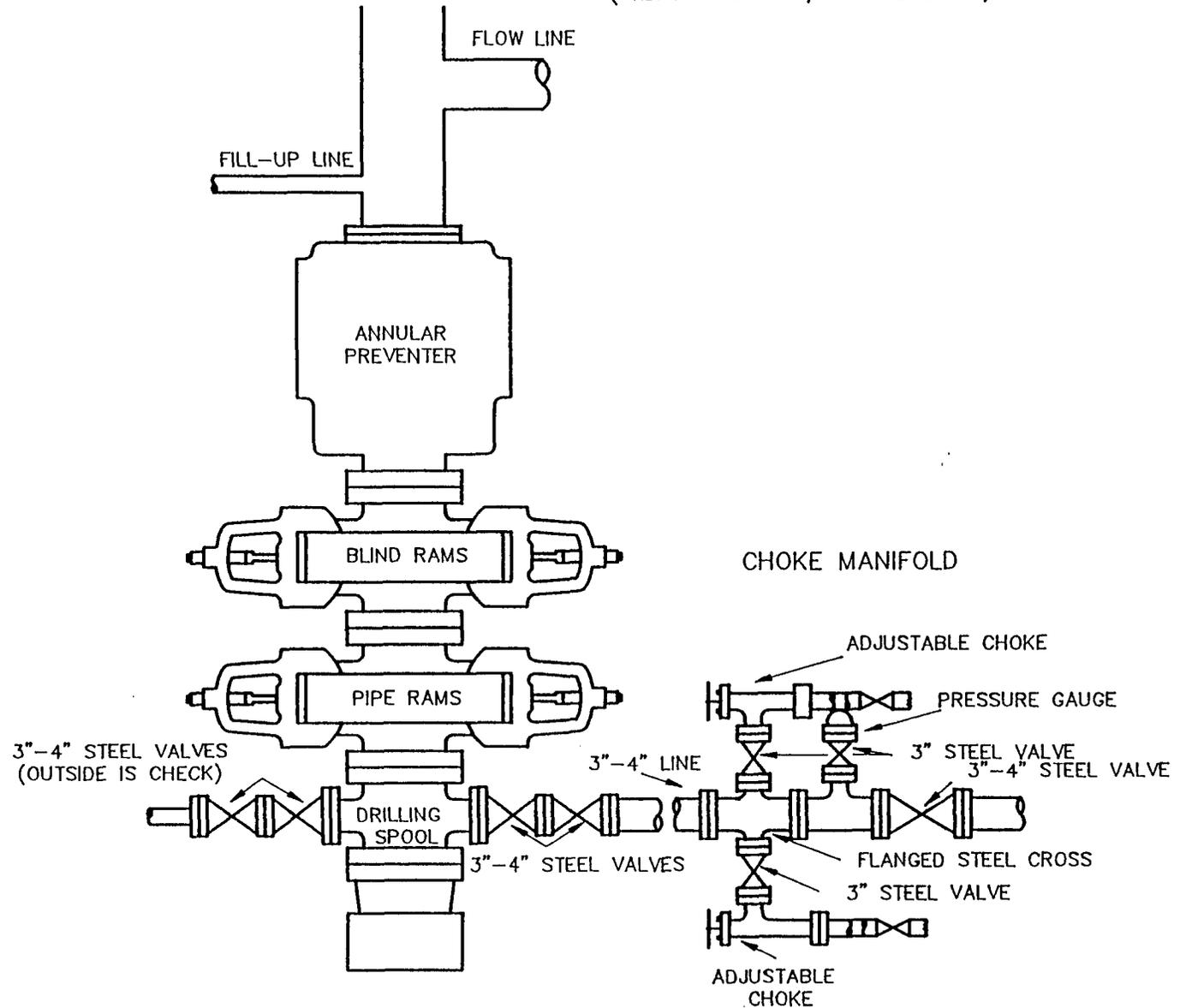
Page 11

- k. 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.
- l. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b.4.).
- m. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- n. 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 SO. 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.
- o. 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.



**Permitco Incorporated**  
A Petroleum Permitting Company

THREE PREVENTER HOOKUP  
CLASS III  
(MEETS 43 CFR, PARTS 3160, 3M SPECIFICATIONS)



**ONSHORE ORDER NO. 1**  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

**CONFIDENTIAL - TIGHT HOLE**

Lease No. U-75078

**SURFACE USE PLAN**

Page 1

**ONSHORE OIL & GAS ORDER NO. 1**

**Thirteen Point Surface Use Plan**

**NOTIFICATION REQUIREMENTS**

- Location Construction -** forty-eight (48) hours prior to construction of location and access roads.
- Location Completion -** prior to moving on the drilling rig.
- Spud Notice -** at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing -** twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests -** twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice -** within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

The onsite inspection for the above mentioned well was conducted on Tuesday, July 23, 1996 at approximately 9:45 a.m. Weather conditions were warm and dry. Present at the onsite inspection were the following individuals:

<b>Byron Tolman</b>	<b>Natural Resource Specialist</b>	<b>BLM</b>
<b>Robert Kay</b>	<b>Surveyor</b>	<b>UELS</b>
<b>Lisa Smith</b>	<b>Permitting Consultant</b>	<b>Permitco Inc.</b>
<b>Dane Hendley</b>	<b>Drilling Supervisor</b>	<b>Enserch Exploration, Inc.</b>
<b>Harley Jackson</b>	<b>Dirt Contractor</b>	<b>Harley Construction</b>
<b>Tony Pummell</b>	<b>Dirt Contractor</b>	<b>Stubbs &amp; Stubbs Const.</b>



1. Existing Roads

- a. The proposed well site is located approximately 13 miles southeast of Myton, Utah.
- b. Directions to the location from Myton, Utah are as follows:  
  
From Myton proceed south on Highway 40 for 1.5 miles. Turn left onto an existing paved road and proceed southerly and then southeasterly for 11.6 miles past the old Castle Peak Mine. Turn right onto the existing access road and proceed 0.1 miles to the location.
- c. For location of access roads within a 2-Mile radius, see Maps A & B.
- d. Improvement to the existing access will not be necessary.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.

2. Planned Access Roads

- a. There will be no new access since this is a re-entry of an existing well.
- b. The maximum grade is approximately 4% or less.
- c. No turnouts are planned.
- d. No culverts and/or bridges will be required, however, appropriate drain dips or water turnouts will be installed as necessary to control erosion.
- e. The access road was not centerline flagged at the time of staking since this is an existing road.

ONSHORE ORDER NO. 1  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. U-75078

SURFACE USE PLAN  
Page 3

- f. The need for surfacing material is not anticipated.
- g. No cattleguards will be necessary.
- h. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- i. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- j. The road was constructed/upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.
- k. A road right of way application will not be required as all roads are county maintained with the exception of the lease road which is within the lease boundary.



Permitco Incorporated  
A Petroleum Permitting Company

**ONSHORE ORDER NO. 1**  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

**CONFIDENTIAL - TIGHT HOLE**

Lease No. U-75078

**SURFACE USE PLAN**  
Page 4

**3. Location of Existing Wells Within a 1-Mile Radius of the Proposed Location.**  
**(See Map #C).**

- a. Water wells - none
- b. Injection wells - none
- c. Producing wells - eleven
- d. Drilling wells - none
- e. Shut-in wells - none
- f. Temporarily abandoned wells - none
- g. Disposal wells - none
- h. Dry Holes - one

**4. Location of Tank Batteries and Production Facilities.**

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted Desert Tan (10YR6/3). All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.
- b. If storage facilities/tank batteries are constructed on this lease, the facility/battery or the wellpad shall be surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.
- c. A production diagram will be submitted under separate cover.
- d. All loading lines will be placed inside the berm surrounding the tank battery.



Permitco Incorporated  
A Petroleum Permitting Company

**ONSHORE ORDER NO. 1**  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

**CONFIDENTIAL - TIGHT HOLE**

Lease No. U-75078

**SURFACE USE PLAN**

Page 5

- e. If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.
- f. Any necessary pits will be properly fenced to prevent any wildlife entry.
- g. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- h. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- i. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- j. The road will be maintained in a safe useable condition.

**5. Location and Type of Water Supply**

- a. All water needed for drilling purposes will be obtained from either the U.G.W. (well) located in Section 27, T1S - R2W (Permit No. 84-43-73 t 14099) or Gorman Draw Reservoir in Section 12, T4S - R2W, (Permit No. 47-1437 t20196).
- b. Water will be hauled to location over the roads marked on Maps A and B.
- c. No water well is to be drilled on this lease.
- d. A copy of the approved water permits are attached.

6. Source of Construction Material

- a. Surface and subsoil materials in the immediate area will be utilized.
- b. Any gravel used will be obtained from a commercial source.
- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.
- d. No construction materials will be removed from Federal land.

7. Methods of Handling Waste Disposal

- a. The reserve pit will be constructed so as not to leak, break, or allow discharge.
- b. A reserve pit liner will not be necessary.
- c. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight.
- d. After first production, produced waste water will be confined to a unlined pit or storage tank for a period not to exceed ninety (90) days. During the 90-day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the 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.
- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- g. A chemical porta-toilet will be furnished with the drilling rig.



- h. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.**

**8. Ancillary Facilities**

**There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.**

**9. Well Site Layout**

- a. This well is a re-entry of an existing wellbore. Only minimal construction will be required. The laydown end of the wellpad will be increased by approximately 30 feet necessitating the need to move the existing topsoil stockpile. The reserve pit will be re-dug as indicated on the location layout diagram.**
- b. The flare pit for the original well was never backfilled and will be utilized for the re-entry. It is located downwind of the prevailing wind direction and is approximately 110 feet from the well head and will be approximately 15 feet from the reserve pit fence.**
- c. Some additional topsoil will be stripped (as the vegetation has re-established) and will be stockpiled separately from the existing topsoil along the laydown end of the wellpad.**
- d. Access to the wellpad will be from the east as shown on the attached rig layout.**
- e. See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.**
- f. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles is shown on the Location Layout.**



- g. All pits will be fenced according to the following minimum standards:**
- 1. 39 inch net wire shall be used with at least one strand or barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).**
  - 2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.**
  - 3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.**
  - 4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.**
  - 5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.**
- h. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.**
- 10. Plans for Restoration of Surface**

**Producing Location**

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.**
- b. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.**



**ONSHORE ORDER NO. 1**  
**Enserch Exploration, Inc.**  
**Federal #31R-9H**  
**768' FNL and 1873' FEL**  
**NW NE (Lot 3), Sec. 9, T9S - R17E**  
**Duchesne County, Utah**

**CONFIDENTIAL - TIGHT HOLE**

**Lease No. U-75078**

**SURFACE USE PLAN**

**Page 9**

- c. **The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.**
- d. **At the time of reclamation and final abandonment, the Bureau of Land Management will provide an appropriate seed mixture.**

**Dry Hole**

- e. **At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attached the appropriate surface rehabilitation conditions of approval.**

**11. Surface Ownership**

**Access Roads - All roads are County maintained with the exception of the lease road which is on BLM lands within the lease boundary.**

**Wellpad - The well pad is located on lands owned by the BLM.**

**12. Other Information**

- a. **A Class III archeological survey was conducted by Metcalf Archeological Consultants. No significant cultural resources were found and clearance has been recommended. A copy of this report will be submitted directly by Metcalf Archeological Consultants.**
- b. **The operator is responsible for informing all persons in the areas who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:**



**Permitco Incorporated**  
A Petroleum Permitting Company

- whether the materials appear eligible for the National Register of Historic Places;
  - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
  - a time frame for the AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.
- c. Pursuant to 43 CFR 10.4 (g) the holder of this authorization must notify the authorized officer, by telephone, with written confirmation, immediately upon the discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony. Further, pursuant to 43 CFR 10.4 (c) and (d), you must stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the authorized officer.
- d. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- e. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.



**ONSHORE ORDER NO. 1**  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

**CONFIDENTIAL - TIGHT HOLE**

Lease No. U-75078

**SURFACE USE PLAN**

Page 11

- f. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. 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.
- g. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.
- h. 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.
- i. The operator or his contractor shall contact the BLM Offices at 801/789-1362 48 hours prior to construction activities.
- j. The BLM Office shall be notified upon site completion prior to moving on the drilling rig.
- k. In the event after-hours approvals are necessary, please contact one of the following individuals:

Wayne Bankert	Petroleum Engineer	801/789-4170
Ed Forsman	Petroleum Engineer	801/789-7077
BLM Fax Machine		801/781-4410

13. Lessee's or Operator's Representative and Certification

Permit Matters  
PERMITCO INC.  
Lisa L. Smith  
13585 Jackson Drive  
Denver, CO 80241  
303/452-8888

Drilling & Completion Matters  
ENSERCH EXPLORATION, INC.  
4849 Greenville, Suite 1200  
Suite 1200  
Dallas, TX 75206  
Dane Hendley - 214/987-6430



Permitco Incorporated  
A Petroleum Permitting Company

**ONSHORE ORDER NO. 1**  
Enserch Exploration, Inc.  
Federal #31R-9H  
768' FNL and 1873' FEL  
NW NE (Lot 3), Sec. 9, T9S - R17E  
Duchesne County, Utah

**CONFIDENTIAL - TIGHT HOLE**

Lease No. U-75078

**SURFACE USE PLAN**

Page 12

**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 presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Enserch Exploration, Inc. and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

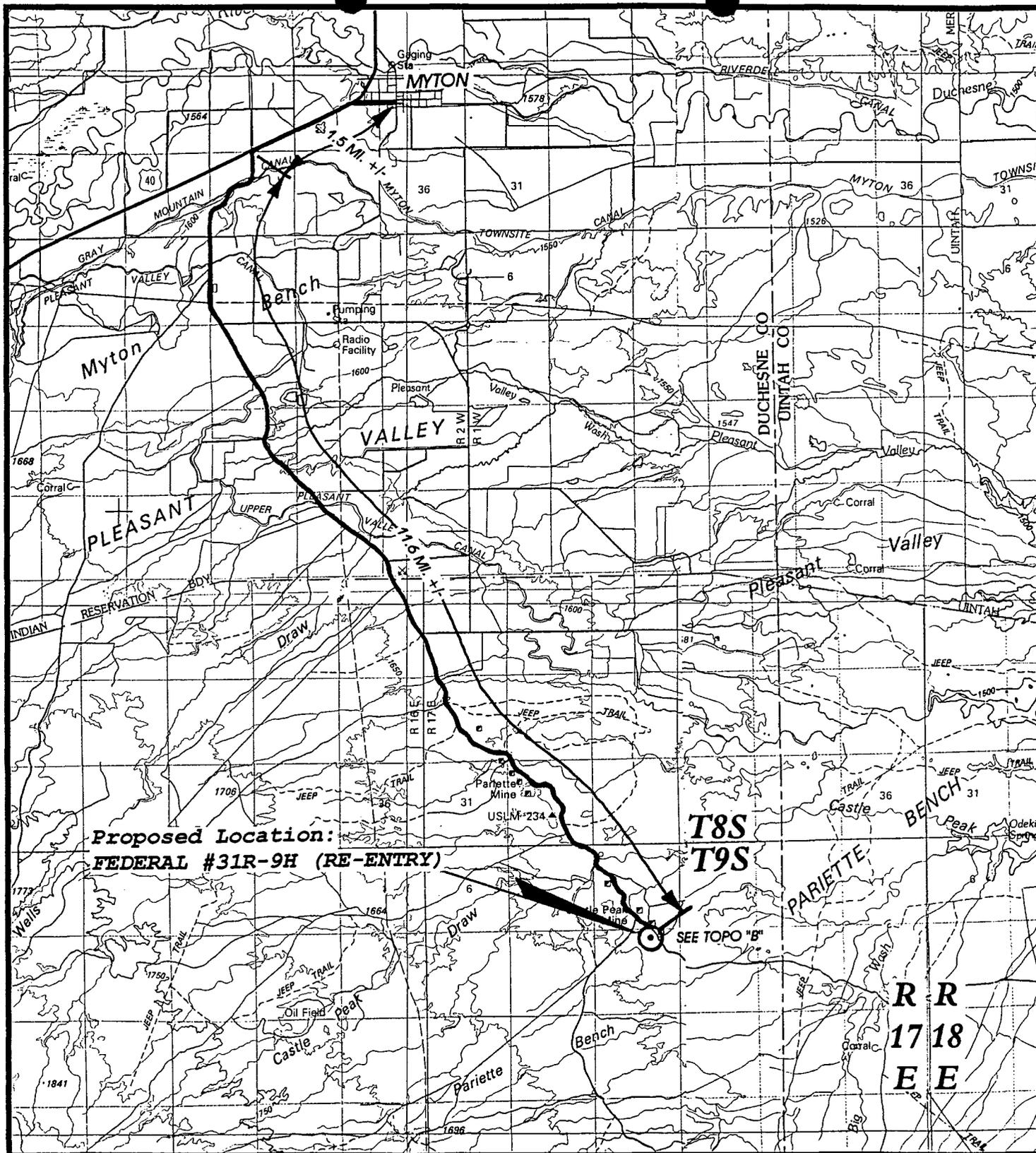
This statement is subject to the provisions of 18.U.S.C. 1001 for the filing of a false statement.

July 26, 1996  
Date:

  
\_\_\_\_\_  
Lisa L. Smith - PERMITCO INC.  
Authorized Agent for:  
Enserch Exploration, Inc.



Permitco Incorporated  
A Petroleum Permitting Company



Proposed Location:  
**FEDERAL #31R-9H (RE-ENTRY)**

**T8S  
 T9S**

SEE TOPO "B"

**R R  
 17 18  
 E E**

**UELS**

**TOPOGRAPHIC  
 MAP "A"**

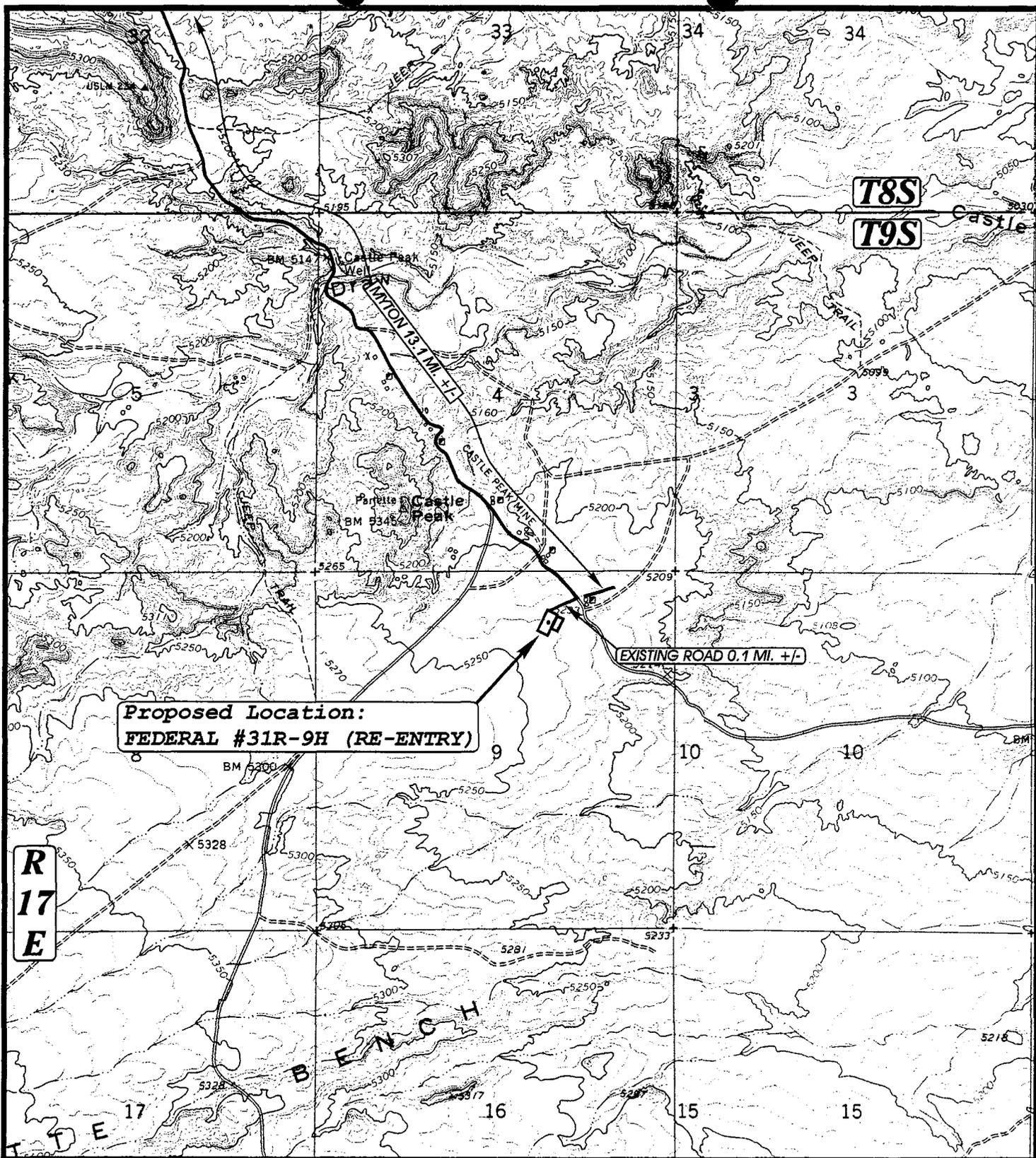
DATE: 7-15-96  
 Drawn by: D. COX



**ENSERCH EXPLORATION, INC.**

**FEDERAL #31R-9H (RE-ENTRY)  
 SECTION 9, T9S, R17E, S.L.B.&M.  
 768' FNL 1873' FEL**

UINTAH ENGINEERING & LAND SURVEYING  
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



**Proposed Location:  
FEDERAL #31R-9H (RE-ENTRY)**

EXISTING ROAD 0.1 MI. +/-

**R  
17  
E**

**UELS**

**TOPOGRAPHIC  
MAP "B"**

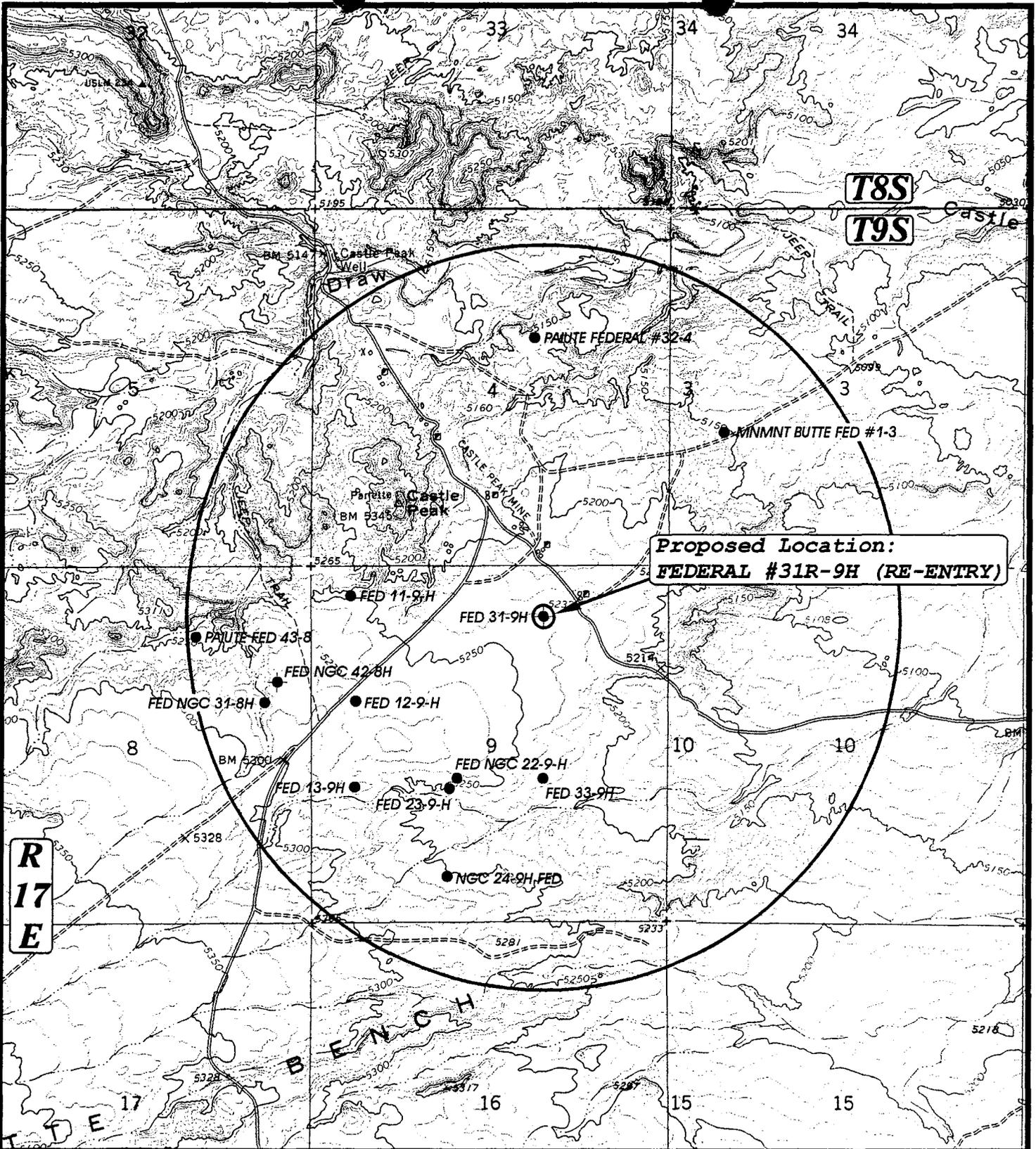
**DATE: 7-15-96  
Drawn by: D.COX**



**ENSERCH EXPLORATION, INC.  
FEDERAL #31R-9H (RE-ENTRY)  
SECTION 9, T9S, R17E, S.L.B.&M.  
768' FNL 1873' FEL**

**UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017**

**SCALE: 1" = 2000'**



**T8S**

**T9S**

**R  
17  
E**

**Proposed Location:  
FEDERAL #31R-9H (RE-ENTRY)**

**LEGEND:**

**UELS**

- Water Wells
- Abandoned Wells
- Temporarily Abandoned Wells
- Disposal Wells
- Drilling Wells
- Producing Wells
- Shut-In Wells



UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

SCALE: 1" = 2000

**ENSERCH EXPLORATION, INC.**

**FEDERAL #31R-9H (RE-ENTRY)  
SECTION 9, T9S, R17E, S.L.B.&M.**

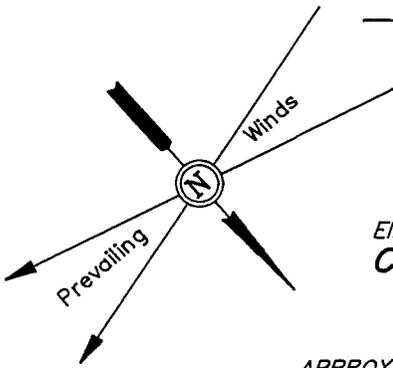
**TOPOGRAPHIC  
MAP "C"**

DATE: 7-15-96  
DRAWN BY: D.COX

# ENSERCH EXPLORATION, INC.

## LOCATION LAYOUT FOR

FEDERAL #31R-9H (Re-entry)  
SECTION 9, T9S, R17E, S.L.B.&M.  
768' FNL 1873' FEL



El. 44.4'  
C-2.7'

El. 44.5'  
C-2.8'

El. 43.7'  
C-2.0'

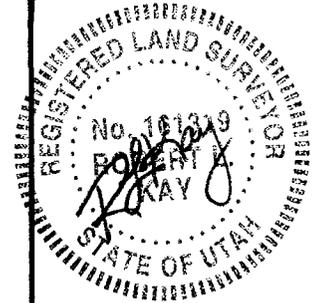
Sta. 3+50

SCALE: 1" = 50'  
DATE: 7-15-96  
Drawn By: D.R.B.  
Revised: 7-25-96 D.R.B.

FLARE PIT  
Min. 110' from  
rig substructure.

APPROX.  
TOP OF  
CUT SLOPE

NOTE:  
Existing Topsoil  
Pile Needed to be  
Moved.



C-8.6'  
El. 42.3'  
(Btm. Pit)

Exist. Flare Pit

C-1.0'  
El. 42.7'

GRADE  
El. 41.7'

Sta. 1+65

C-0.6'  
El. 42.3'

Reserve Pit Backfill  
& Spoils Stockpile

RESERVE  
PITS  
(8' Deep)

Total Pit Capacity  
With 2' of Freeboard  
= 9,350 Bbls. ±

Sta. 0+47

C-6.7'  
El. 40.4'  
(Btm. Pit)

F-0.5'  
El. 41.2'

APPROX.  
TOE OF  
FILL SLOPE

Sta. 0+00

F-1.0'  
El. 40.7'

F-1.0'  
El. 40.7'

El. 39.0'  
F-2.7'

Elev. Ungraded Ground at Location Stake = 5241.7'

Elev. Graded Ground at Location Stake = 5241.7'

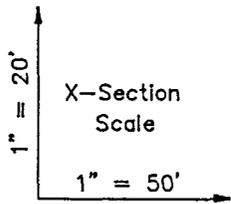
Existing Access  
Road

UINTAH ENGINEERING & LAND SURVEYING  
85 South 200 East Vernal, Utah (801) 789-1017

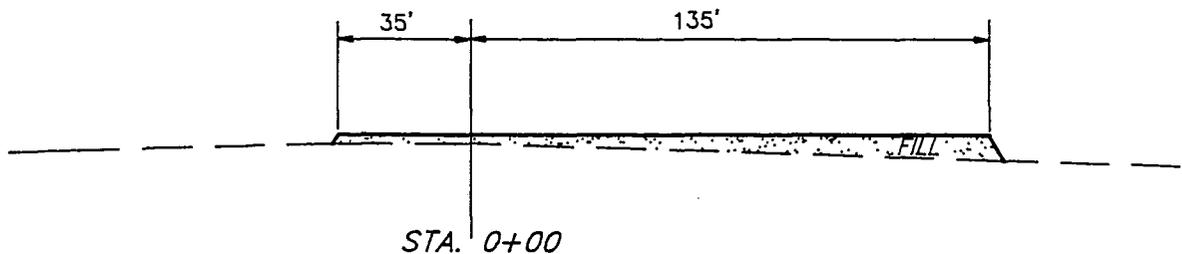
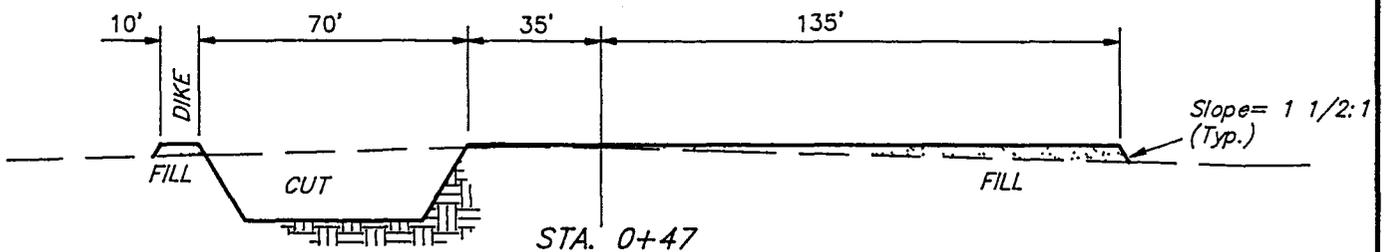
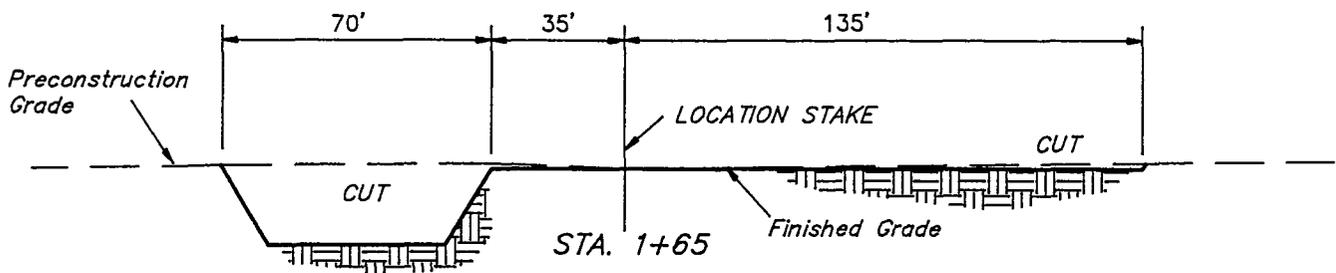
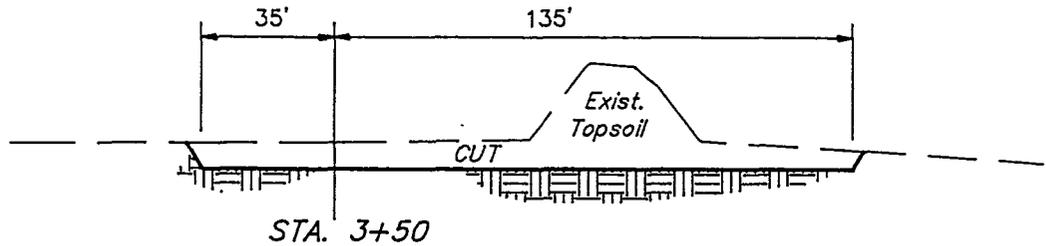
ENSERCH EXPLORATION, INC.

TYPICAL CROSS SECTIONS FOR

FEDERAL #31R-9H (Re-entry)  
SECTION 9, T9S, R17E, S.L.B.&M.  
768' FNL 1873' FEL



DATE: 7-15-96  
Drawn By: D.R.B.



APPROXIMATE YARDAGES

CUT		
NO Topsoil Stripping	=	0 Cu. Yds.
Remaining Location	=	3,150 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>3,150 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>630 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	=	2,490 Cu. Yds.
Pit Backfill (1/2 Pit Vol.)	=	970 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	1,520 Cu. Yds.

**There are no federal stipulations at this time.**



**A Class III Archeological Survey has been conducted by Metcalf Archeological Consultants. No significant cultural resources were found and clearance has been recommended. A copy of this report will be submitted to the appropriate agencies by Metcalf Archeological Consultants.**

# APPLICATION FOR TEMPORARY CHANGE OF WATER

## STATE OF UTAH

Rec. by \_\_\_\_\_

Fee Paid \$ \_\_\_\_\_

Receipt # \_\_\_\_\_

Microfilmed \_\_\_\_\_

Roll # \_\_\_\_\_

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

CHANGE APPLICATION NUMBER: t20196

WATER RIGHT NUMBER: 47 - 1437

\*\*\*\*\*

This Change Application proposes to change the POINT(S) OF DIVERSION, PLACE OF USE, and NATURE OF USE.

\*\*\*\*\*

### 1. OWNERSHIP INFORMATION.

A. NAME: Keith Hicken  
c/o Dalbo Inc.  
ADDRESS: Route 3, Myton, UT 84052

B. PRIORITY OF CHANGE: July 15, 1996

FILING DATE: July 15, 1996

C. EVIDENCED BY:  
A26762

-----  
\* DESCRIPTION OF CURRENT WATER RIGHT: \*  
-----

### 2. SOURCE INFORMATION.

A. QUANTITY OF WATER: 1.85 cfs

B. SOURCE: Gorman Draw

COUNTY: Duchesne

C. POINT OF DIVERSION -- SURFACE:  
(1) N 475 feet W 40 feet from SW corner, Section 12, T 4S, R 2W, USBM

### 3. STORAGE. Water is diverted for storage into:

(1) Gorman Draw reservoir, from Jan 1 to Dec 31.  
CAPACITY: 80,000 ac-ft.

Area inundated includes all or part of the following legal subdivisions:

BASE TOWN	RANG	SEC	NORTH-WESTX				NORTH-EASTX				SOUTH-WESTX				SOUTH-EASTX						
			NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE			
SL	4S	2W	12				***						***			X	X	***			X
			13	X	X		***	X				***						***			

Temporary Change

CHANGE APPLICATION NUMBER: t20196

for Water Right: 47 - 1437 continued+\*\*\*\* Page: 3

PLACE OF USE. Changed as Follows:

## 11. SIGNATURE OF APPLICANT(S).

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application, through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

*Keith Hickens by Ken Pice*  
Signature of Applicant(s)

4. WATER USE INFORMATION.

The Water Right represented by this change application is SUPPLEMENTAL to other Water Rights.

IRRIGATION: from Apr 15 to Oct 15. IRRIGATING: 82.7000 acres. SOLE SUPPLY: 50.0000 acres

5. PLACE OF USE. (Which includes all or part of the following legal subdivisions:)

BASE	TOWN	RANG	SEC	NORTH-WEST				NORTH-EAST				SOUTH-WEST				SOUTH-EAST								
				NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE					
SL	4S	2W	12				***					***							***			X	X	X
			13				***		X			***							***	X				

6. EXPLANATORY.

FLOW: Claims 1350 and 1437 limited to a combined flow of 1.85 c.f.s.

THE FOLLOWING CHANGES ARE PROPOSED:

7. SOURCE INFORMATION.

- A. QUANTITY OF WATER: 4.0 acre-feet      REMAINING WATER: Same as HERETOFORE
- B. SOURCE: Unnamed Pond and ditch      COUNTY: Duchesne
- C. POINTS OF DIVERSION -- SURFACE: Changed as Follows:
  - (1) N 475 feet W 40 feet from SW corner, Section 12, T 4S, R 2W, USBM  
DIVERT WORKS: Pond
  - (2) N 2000 feet W 475 feet from SE corner, Section 12, T 4S, R 2W, USBM  
DIVERT WORKS: ditch below pond
- D. COMMON DESCRIPTION: 1 miles south of Myton

8. STORAGE. Same as HERETOFORE

9. WATER USE INFORMATION. Changed as Follows:

OIL EXPLORATION from 04/18/96 to 04/17/97. Drilling and completion of wells in the Monument Buttes & South Myton Areas.

# APPLICATION FOR PERMANENT CHANGE OF WATER

RECEIVED

STATE OF UTAH

APR 17 1987

Rec. by D.L. [unclear]  
Fee Paid \$ 15.00  
Receipt # 22150  
Microfilmed \_\_\_\_\_  
Roll # \_\_\_\_\_

For the purpose of obtaining permission to make a permanent change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

\*WATER USER CLAIM NO. 43-9974 \*APPLICATION NO. a-14289

Changes are proposed in (check those applicable)

point of diversion.  point of return.  
 place of use.  nature of use.

1. OWNER INFORMATION

Name: Owen Dale Anderson \*Interest: \_\_\_\_\_ %  
Address: Po Box 1162 Vernal UT 84078

2. \*PRIORITY OF CHANGE: \_\_\_\_\_ \*FILING DATE: \_\_\_\_\_

\*Is this change amendatory? (Yes/No): \_\_\_\_\_

3. RIGHT EVIDENCED BY: 43-3525

Prior Approved Change Applications for this right: 83-43-21 84-43-73 6-14099

\*\*\*\*\* HERETOFORE \*\*\*\*\*

4. QUANTITY OF WATER: 0.5 cfs and/or \_\_\_\_\_ ac-ft.

5. SOURCE: U.G.W. (well)

6. COUNTY: Duchesne

7. POINT(S) OF DIVERSION: South 1167 ft East 340 ft From N/4 Corner Section 27 T1S, R2W, US&M

Description of Diverting Works: \_\_\_\_\_

8. POINT(S) OF REDIVERSION

The water will be rediverted from \_\_\_\_\_ at a point: \_\_\_\_\_

Description of Diverting Works: \_\_\_\_\_

9. POINT(S) OF RETURN

The amount of water consumed is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft.

The amount of water returned is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft.

The water will be returned to the natural stream/source at a point(s): \_\_\_\_\_

\*These items are to be completed by Division of Water Rights.

Permanent Change

4 acre shut

10. NATURE AND PERIOD OF USE

Stockwatering: From Jan 1 to Dec 31  
 Domestic: From \_\_\_\_\_ to \_\_\_\_\_  
 Municipal: From \_\_\_\_\_ to \_\_\_\_\_  
 Mining: From \_\_\_\_\_ to \_\_\_\_\_  
 Power: From \_\_\_\_\_ to \_\_\_\_\_  
 Other: From Jan 1 to Dec 31  
 Irrigation: From April 1 to Oct 31

11. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): 250 Livestock Units  
 Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons.  
 Municipal (name): \_\_\_\_\_  
 Mining: \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine.  
 Ores mined: \_\_\_\_\_  
 Power: Plant name: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_  
 Other (describe): drilling & completion of oil field locations fish culture  
 Irrigation: 55.7 acres. Sole supply of \_\_\_\_\_ acres

12. PLACE OF USE

Legal description of areas of use other than irrigation by 40 acre tract: n/a

13. STORAGE

Reservoir Name: unnamed Storage Period: from 11-1 to 3-31  
 Capacity: 4.0 ac-ft. Inundated Area: \_\_\_\_\_ acres  
 Height of dam: \_\_\_\_\_ feet  
 Legal description of inundated area by 40 tract: NW NE Sec 27, T15 R2W 456 & 41

\*\*\*\*\* THE FOLLOWING CHANGES ARE PROPOSED \*\*\*\*\*

14. QUANTITY OF WATER: \_\_\_\_\_ cfs and/or 20.0 ac-ft  
 15. SOURCE: UGW Remaining Water: same  
 16. COUNTY: Duchesne  
 17. POINT(S) OF DIVERSION: same

Description of Diverting Works: \_\_\_\_\_

18. POINT(S) OF REDIVERSION

The water will be rediverted from \_\_\_\_\_ at a point: \_\_\_\_\_

Description of Diverting Works: \_\_\_\_\_

19. POINT(S) OF RETURN

The amount of water consumed is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft

The amount of water returned is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft

The water will be returned to the natural stream/source at a point(s): \_\_\_\_\_

20. NATURE AND PERIOD OF USE

Stockwatering: From \_\_\_\_\_ to \_\_\_\_\_

Domestic: From \_\_\_\_\_ to \_\_\_\_\_

Municipal: From \_\_\_\_\_ to \_\_\_\_\_

Mining: From \_\_\_\_\_ to \_\_\_\_\_

Power: From \_\_\_\_\_ to \_\_\_\_\_

Other: From Jan 1 to Dec 31

Irrigation: From \_\_\_\_\_ to \_\_\_\_\_

21. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): \_\_\_\_\_

Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons

Municipal (name): \_\_\_\_\_

Mining: \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine

Ores mined: \_\_\_\_\_

Power: Plant name: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_

Other (describe): drilling and completion of oil wells

Irrigation: \_\_\_\_\_ acres. Sole supply of \_\_\_\_\_

22. PLACE OF USE

Legal description of areas of use by 40 acre tract: \_\_\_\_\_

Other: hauled to locations by water trucks as needed

23. STORAGE

Reservoir Name: \_\_\_\_\_ Storage Period: from \_\_\_\_\_ to \_\_\_\_\_

Capacity: \_\_\_\_\_ ac-ft. Inundated Area: \_\_\_\_\_ acres

Height of dam: \_\_\_\_\_ feet

Legal description of inundated area by 40 tract: \_\_\_\_\_

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary): \_\_\_\_\_

Change is for oilfield drilling and exploration.

Approximately 4 acre ft/acre will be taken from

irrigation purposes and used for oilfield purposes  
Acres to be irrigated will change from ~~55.7~~ to ~~50~~ acres  
because of the change in use. ~~53.7~~ 48.7

\*\*\*\*\*  
 The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

*Don Dale Anderson*  
 \_\_\_\_\_  
 Signature of Applicant(s)

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 07/29/96

API NO. ASSIGNED: 43-013-31107

WELL NAME: FEDERAL 31R-9H (RE-ENTRY)  
 OPERATOR: ENSERCH EXPLORATION (N4940)

PROPOSED LOCATION:  
 NWNE 09 - T09S - R17E  
 SURFACE: 0768-FNL-1873-FEL  
 BOTTOM: 0768-FNL-1873-FEL  
 DUCHESNE COUNTY  
 MONUMENT BUTTE FIELD (105)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED  
 LEASE NUMBER: U - 75078

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal  State  Fee   
 (Number 203826)

Potash (Y/N)

Oil shale (Y/N)

Water permit  
 (Number 48-1437)

RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_

R649-3-2. General.

\_\_\_ R649-3-3. Exception.

\_\_\_ Drilling Unit.  
 Board Cause no: \_\_\_\_\_  
 Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

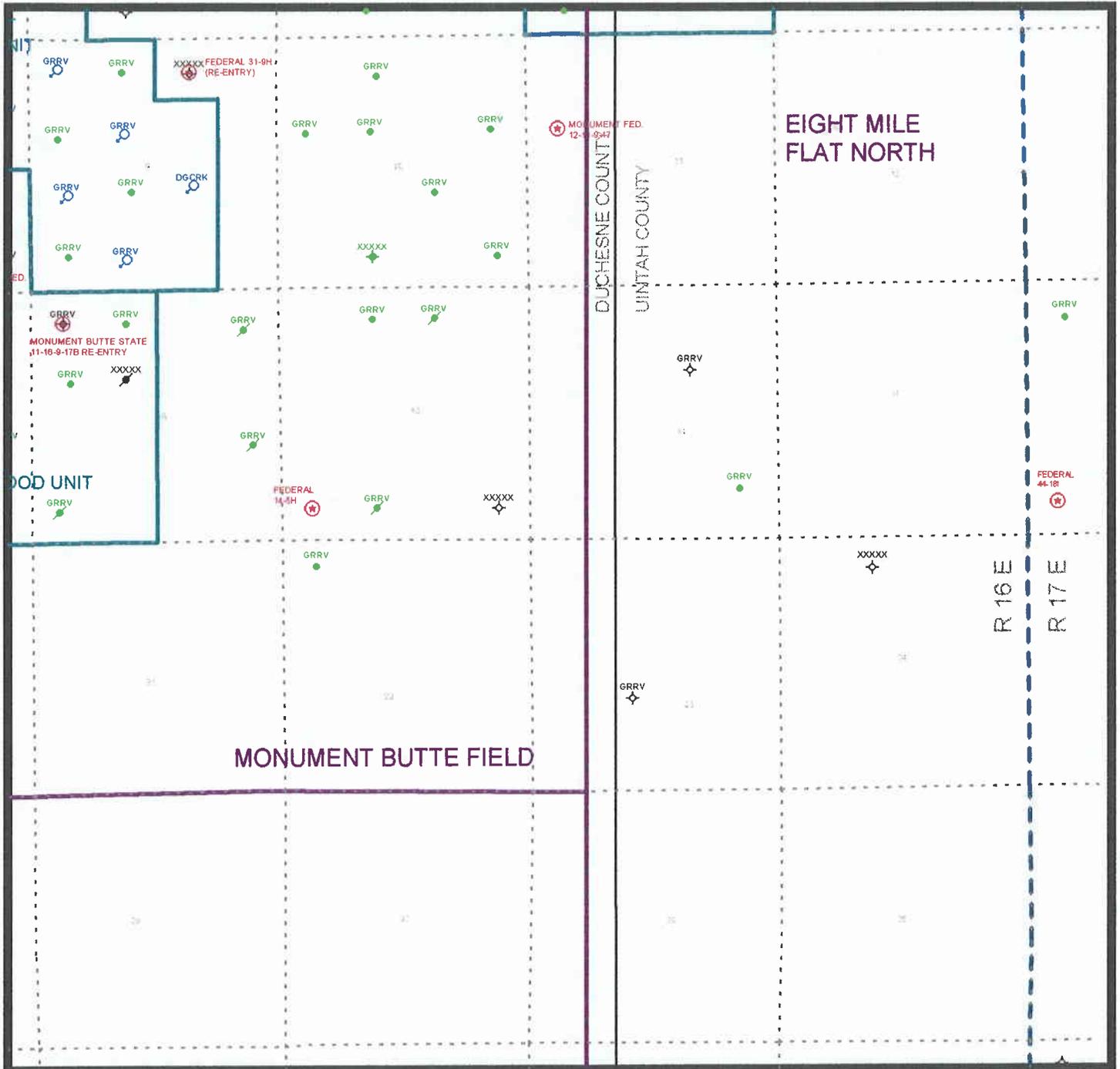
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**OPERATOR: ENSERCH EXPLORATION**  
**FIELD: MONUMENT BUTTE**  
**UNIT: BELUGA WATERFLOOD UNIT**  
**SECTIONS: 9,15, & 18, T9S, R17 & 18 E**  
**COUNTY: DUCHESNE & UINTAH**  
**SPACING: UAC R649-3-2**



**PREPARED:**  
**DATE: 29-JULY-96**

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: ENSERCH EXPLORATION	Well Name: FEDERAL 31R-9H re-en
Project ID: 43-013-31107	Location: SEC. 9 - T9S - R17E

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2345 psi  
 Internal gradient (burst) : 0.066 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	6,000	5.500	J-55	ST&C	6,000	4.825			
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2743	4040	1.473	2743	4810	1.75	93.00	202	2.17 J

Prepared by : MASTTHEWS, Salt Lake City, Utah  
 Date : 08-16-1996  
 Remarks :

RE-ENTRY FOR GREENRIVER

Minimum segment length for the 6,000 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 116°F (Surface 74°F , BHT 158°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,743 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

August 16, 1996

Enserch Exploration, Inc.  
c/o Permitco, Inc.  
13585 Jackson Drive  
Denver, Colorado 80241

Re: Federal 31R-9H (Re-entry) Well, 768' FNL, 1873' FEL, NW NE,  
Sec. 9, T. 9 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31107.

Sincerely,

R. J. Firth  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office



Operator: Enserch Exploration, Inc.  
Well Name & Number: Federal 31R-9H (Re-entry)  
API Number: 43-013-31107  
Lease: U-75078  
Location: NW NE Sec. 9 T. 9 S. R. 17 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**RECEIVED**  
(Other instructions on reverse side)  
**AUG 19 1996**

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

DIV OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO. **U-75078**

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

7. UNIT AGREEMENT NAME **N/A**

8. FARM OR LEASE NAME **Federal**

9. WELL NO. **#31R-9H (Re-entry)**

10. FIELD AND POOL OR WILDCAT **Pleasant Valley**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA **Sec. 9, T9S - R17E**

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

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* **13.1 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) **552'**

16. NO. OF ACRES IN LEASE **71.51**

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 **6000'**

20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.) **5242' GR**

22. APPROX. DATE WORK WILL START\* **Upon approval**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	283'	Existing casing/cmt.
7-7/8"	5-1/2"	15.5#	6,000'	1900 cubic feet.

Enserch Exploration, Inc. proposes to re-enter the subject well to a total depth of 6000' to test the Douglas Creek "D" & "F" formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

CONFIDENTIAL - TIGHT HOLE

See Onshore Order No. 1 attached.

Please be advised that Enserch Exploration, Inc. is considered to be the Operator of the above mentioned well. Enserch Exploration, Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Nationwide BLM Bond No. MT-0680, (203826). The principal is Enserch Exploration, Inc. via surety consent as provided for in 43 CFR 3104.2.

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 Enserch Exploration, Inc. DATE 07/26/96  
Consultant for:

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY *[Signature]* TITLE Assistant Field Manager DATE 15 AUG 1996  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_  
TITLE Mineral Resources

cc: Utah Division of Oil, Gas & Mining

**NOTICE OF APPROVAL** \*See Instructions On Reverse Side  
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.

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

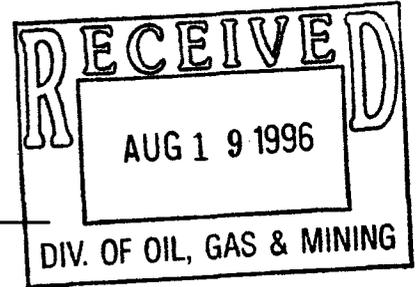
Company/Operator: Enserch Exploration, Inc.

Well Name & Number: Federal 31R-9H

API Number: 43-013-31107

Lease Number: U-75078

Location: NWNE Sec. 09 T. 9 S R. 17E



**NOTIFICATION REQUIREMENTS**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

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

Report **ALL** water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 3M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

#### 3. Casing Program and Auxiliary Equipment

As a minimum, the usable water and oil shale resources shall be isolated and/or protected via the cementing program. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

#### 4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

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.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

A cement bond log (CBL) will be run from the production casing shoe to the TOC and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

6. Notifications of Operations

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

7. Other Information

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

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

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated after installation prior to delivery and quarterly thereafter unless prior approval is obtained. 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 Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

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

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.

"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 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert (801) 789-4170  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

**SURFACE USE PROGRAM FOR**  
**APPLICATION FOR PERMIT TO DRILL**

-No surface disturbing activities, construction, or drilling operations, including the initial completion activities, are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this Condition of Approval may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

Name of Company: ENSERCH

Well Name: 31R-9H RE-ENTRY

Api No. 43-013-31107

Section 9 Township 9S Range 17E County DUCHESNE

Drilling Contractor CAZA

Rig # 56

SPUDDED:

Date 1/6/97

Time \_\_\_\_\_

How ROTARY

Drilling will commence \_\_\_\_\_

Reported by D. INGRAM

Telephone # \_\_\_\_\_

Date: 1/9/97 Signed: JLT

(1)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
DRILLING INSPECTION FORM

OPERATOR: ENSERCH EXPLORATION CO COMPANY REP: TERRY BROWN

WELL NAME FEDERAL #31R-9H API NO 43-013-31107

QTR/QTR: NW/NE SECTION: 9 TWP: 9S RANGE: 17E

CONTRACTOR: CASA DRILLING COMPANY RIG NUMBER: #56

INSPECTOR: GENNIE L INGRAM TIME: 10:40 AM DATE: 1/8/97

SPUD DATE: DRY ROTARY: 1/5/97 PROJECTED T. D.: 6000

OPERATIONS AT TIME OF VISIT: CIRCULATING OUT GAS BUBBLE.

WELL SIGN: N MUD WEIGHT 8.8 LBS/GAL BOPE: Y

BLOOD LINE: Y FLARE PIT: Y H2S POTENTIAL: N

ENVIRONMENTAL:

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER: \_\_\_\_\_ BENTONITE: \_\_\_\_\_ SANITATION: YES

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: YES

1500 PSI ON MANIFOLD; 2500 PSI ON ACCUMULATOR

REMARKS:

NO GAS DETECTION EQUIPMENT--IS A RE-ENTRY. NUGGED UP AT 4400'.

THEY HAD PLUGS TO GRILL AT 90', 173 TO 273', 1792' TO 1992',

3192' TO 3292', 4406' TO 4606'. THEY PICKED UP THIS LAST GAS

AFTER DRILLING BOTTOM PLUG. RIG HAND SAY ENSERCH HAS 5 WELLS

TO DRILL COUNTING THIS RE-ENTRY.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-75078

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Federal 31R-9H (re-entry)

9. API Well No.

43-013-31107

10. Field and Pool, or Exploratory Area

Pleasant Valley

11. County or Parish, State

Duchesne County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Enserch Exploration, Inc.

3. Address and Telephone No.

4849 Greenville Ave., Ste. 1200 - Dallas, Tx. 75206 214/987-6430

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

768' FNL & 1873' FEL (NW-NE)  
Sec 9, T9S, R17E

**CONFIDENTIAL**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

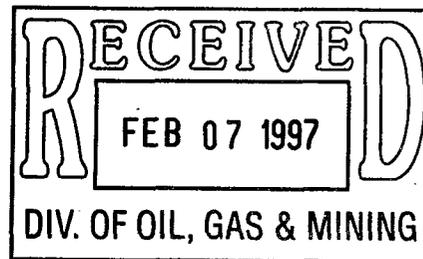
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Drilling Operations</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Move in Caza drilling rig 1-05-97. Nippled up BOP's and test rams and surface equipment to 3000 psi and ann. to 1500 psi. Started picking up BHA at 5:00 AM MST 1-06-97. Tagged first plug at 20'. Tagged and drilled out 5 plugs. Reached total depth of 6000' at 6:00 PM MST 1-08-97. Took wireline surveys every 500'. Ran 5-1/2" 15.50# J-55 LT&C casing to 6000'. Cemented with 320 sacks Class G cement with 12% gel, 1% extender, .25% Flac, 3% salt followed by 340 sacks 10-0 RFG cement. Had good returns throughout. Plug down at 7:30 AM MST 1-10-97. Rig was released at 2:00 PM MST 1-10-97.

**CONFIDENTIAL**



14. I hereby certify that the foregoing is true and correct

Signed Wm. Lane Hendley  
(This space for Federal or State office use)

Title Sr. Drlg. Engineer

Date 1-30-97

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
U-75078

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA, Agreement Designation  
N/A

8. Well Name and No.  
FED. #31R-9H (RE-ENTRY)

9. API Well No.  
43-013-31107

10. Field and Pool, or Exploratory Area  
PLEASANT VALLEY

11. County or Parish, State  
DUCHESNE COUNTY, UTAH

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

ENSERCH EXPLORATION, INC.

3. Address and Telephone No.

85 SOUTH 200 EAST, VERNAL, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

768' FNL & 1873' FEL NW/NE SEC. 9, T9S, R17E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

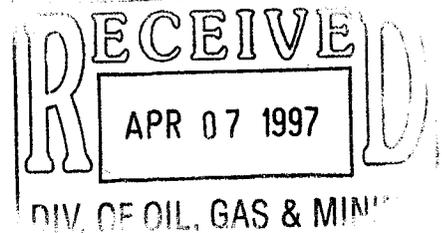
Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other INSTALL GAS LINE  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

OPERATOR PROPOSES TO INSTALL A 3" GAS SALES LINE APPROXIMATELY 565' LONG FROM INTERLINE'S GATHERING LINE TO THE WELL PAD. SEE ATTACHED MAP.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**



COPIES: ORIG. & 2 - BLM; DIV. OG&M; SREED-MIDLAND; JHEINZE-BRIDGEPORT

14. I hereby certify that the foregoing is true and correct

Signed

*[Signature]*

Title SR. PROD. SUPERVISOR

Date 04/03/97

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

U-75078

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME, WELL NO.

FED. #31R-9H (RE-ENTRY)

9. API WELL NO.

43-013-31107

10. FIELD AND POOL OR WILDCAT

PLEASANT VALLEY

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. : 9 T.: 9S  
R. : 17E M.: SLBM  
Block & Survey:

12. COUNTY OR PARISH

DUCHESNE

13. STATE

UT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR

ENSERCH EXPLORATION, INC.

3. ADDRESS AND TELEPHONE NO.

85 SOUTH 200 EAST, VERNAL, UT 84078 801-789-4573

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements\*)

At Surface  
768' FNL & 1873' FEL NW/NE

At top prod. Interval reported below

At total depth

14. PERMIT NO.

43-013-31107

DATE ISSUED

8/16/96

15. DATE SPUDDED

1/6/97

16. DATE T.D. REACHED

1/10/97

17. DATE COMPL. (Ready to prod.)

3/30/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

5257' KB

19. ELEV. CASINGHEAD

5241'

20. TOTAL DEPTH, MD & TVD

6000' MD

TVD

21. PLUG, BACK T.D., MD & TVD

5943' MD

TVD

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0-6000'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*

"B" 4418-24' "DC5" 4820-34' "Ed" 5124-33' "F2" 5513-20'  
"DC4" 4812-15' "D" 4898-4906' "Ec" 5075-80'

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, CDL, CNS, GR, CBL, CCL

27. WAS WELL CORED

NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" K-55	24#	283'	11"	SURF/EXISTING CEMENT	NONE
5-1/2" J-55	15.5#	6000'	7-7/8"	800'/320 SX HI-LIFT LEAD	NONE
				340 SX 10-0 RFG	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5579'	TAC @ 4389'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
"B" 4418-24"	0.46	24
"DC4, DC5, D" 4812-4906'	0.46	96
"Ec, Ed" 5075-5133'	0.46	56
"F2" 5513-20'	0.46	28

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4418-24'	FRAC 46,200# 20/40 SAND
4812-4906'	FRAC 123,000# 20/40 SAND
5075-5133'	FRAC 84,000# 20/40 SAND
5513-20'	FRAC 41,800# 20/40 SAND

33.\* PRODUCTION

DATE FIRST PRODUCTION 3/31/97	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) FLOWING				WELL STATUS (Producing or shut-in) PRODUCING		
DATE OF TEST 4/1/97	HOURS TESTED 24	CHOKE SIZE 14/64	PROD'N. FOR TEST PERIOD →	OIL--BBL. 85	GAS--MCF 0	WATER--BBL. 0	GAS-OIL RATIO
FLOW. TUBING PRESS. 675#	CASING PRESSURE 1140#	CALCULATED 24-HOUR RATE →	OIL--BBL. 85	GAS--MCF. 0	WATER--BBL.	OIL GRAVITY-API (CORR.) 32.2	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

VENTED 550 MCF

TEST WITNESSED BY

RANDY MILLER

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

*[Signature]*

TITLE

SR. PROD. SUPERVISOR

DATE

4/2/97

(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP	
				MEAS. DEPTH	TRUE VERT. DEPTH
				1465'	
				3990'	
				4628'	
				5864'	

GREEN RIVER  
 GREEN RIVER "A"  
 DOUGLAS CREEK  
 MARKER  
 BASAL LIME

COPIES: BLM - VERNAL/ORIG. & 2 COPIES; DIV. OG&M - SLC, UT/1 COPY;  
 BRIDGEPORT, TX/1 COPY; MIDLAND, TX/1 COPY; DON HOLLOWAY - DALLAS/1 COPY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
U-75078

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA, Agreement Designation  
N/A

8. Well Name and No.  
FED. #31R-9H (RE-ENTRY)

9. API Well No.  
43-013-31107

10. Field and Pool, or Exploratory Area  
PLEASANT VALLEY

11. County or Parish, State  
DUCHESNE COUNTY, UTAH

**SUBMIT IN TRIPLICATE** CONFIDENTIAL

1. Type of Well

Oil Well     Gas Well     Other

RECEIVED  
APR 08 1997  
DIV. OF OIL, GAS & MIN.

2. Name of Operator  
ENSERCH EXPLORATION, INC.

3. Address and Telephone No.  
85 SOUTH 200 EAST, VERNAL, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
768' FNL & 1873' FEL NW/NE SEC. 9, T9S, R17E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other INITIAL PRODUCTION  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

OPERATOR REPORTS THE SUBJECT WELL WAS PUT ON PRODUCTION 3/30/97 AT 10 A.M.  
INITIAL PRODUCTION FOR 24 HRS. WAS 63 BBLS. OIL, 47 BBLS. WATER, VENTED 650 MCF.  
FLOWING TUBING PRESSURE WAS 890# AND CASING PRESSURE WAS 1320# ON A 15/64 CHOKE.  
FUTURE REPORTS WILL BE ON FORM 3160-6, "MONTHLY REPORT OF OPERATIONS".

CONFIDENTIAL

COPIES: ORIG. & 2 - BLM; DIV. OG&M; SREED-MIDLAND; JHEINZE-BRIDGEPORT

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title SR. PROD. SUPERVISOR Date 04/01/97

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
U-75078

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA, Agreement Designation  
N/A

8. Well Name and No.  
FED. #31R-9H (RE-ENTRY)

9. API Well No.  
43-013-31107

10. Field and Pool, or Exploratory Area  
PLEASANT VALLEY

11. County or Parish, State  
DUCHESNE COUNTY, UTAH

**SUBMIT IN TRIPLICATE**

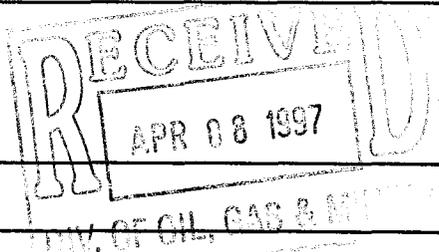
1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator  
ENSERCH EXPLORATION, INC.

3. Address and Telephone No.  
85 SOUTH 200 EAST, VERNAL, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
768' FNL & 1873' FEL NW/NE SEC. 9, T9S, R17E



12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>DAILY PROGRESS</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

ATTACHED IS A DAILY PROGRESS REPORT FOR THE SUBJECT WELL.

**CONFIDENTIAL**

COPIES: ORIG. & 2 - BLM; DIV. OG&M; SREED-MIDLAND; JHEINZE-BRIDGEPORT

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title SR. PROD. SUPERVISOR Date 04/01/97

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

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.

PLEASANT VALLEY #31R-9H FEDERAL  
API #43-013-31107

2-6-97: RUN CMT BOND LOG FROM PBTD @ 5943' TO 500' W/1000# SURFACE  
PRESSURE. EST. TOP OF CMT @ 750'.

WIRELINE               \$1850  
HOT OILER               \$ 570  
WELLHEAD               \$4000

DC: \$6420               CC: \$6420

2-7-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2-8,9,10-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2-11-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2-12-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2-13-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2-14-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2-15,16,17-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2-18-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2-19-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2-20-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2-21-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                   CC: \$6420

2/22-24/97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                      CC: \$6420

2-25-97: PREP. TO MOVE IN COMPLETION TOOLS.

DC: \$0                      CC: \$6420

2-26-97: RIG DOWN & RELEASE COMPLETION RIG. PREP. TO HOOK UP TANK BATTERY.

RIG                              \$375

DC: \$375                      CC: \$182,036

2-27-97: FINISH RIH W/ 2 7/8" TBG, 5 1/2" CSG SCRAPER & BIT TO PBD @ 5943'. DISPLACE HOLE W/ 2% KCL WTR. PRESSURE TEST CSG TO 3800#. HELD OK! POOH W/ TBG & TOOLS. R/U WESTERN ATLAS WIRELINE & RIH W/ 4" CSG GUN. PERFORATE "F2" INTVL @ 5513'-20' 4 SPF 28 HOLES TOTAL. BREAK DOWN PERFS W/ RIG PUMP USING 2% KCL WTR. PUMPED INTO ZONE @ 1.8 BPM @ 2800# PUMPED 4 BBLs. FINAL RATE 1.8 BPM @ 2200# ISIP 2000# P/U 5 1/2" RBP & RIH W/ 2 7/8" TBG. SET RBP @ 5610'. PULL TBG TO 5490'. R/U & SWAB WELL. F.L. @ SURF. MADE 13 RUNS & RECOVERED 82 BBLs WTR W/ TRACE OF OIL. FINAL F.L. @ 4500'. SION

RIG	\$1800
BOPE	\$ 150
TANKS	\$ 60
TOOLS	\$ 850
WATER	\$ 275
WIRELINE	\$1262

DC: \$4397                      CC: \$13,211

2-28-97: CHECK PRESSURE 0# SITP & SICP. R/U & RIH W/ SWAB. F.L. @ 4200' (300' FLUID ENTRY OVERNIGHT) RECOVERED 2 BBLs OIL & 5 BBLs WTR. POOH W/ 2 7/8" TBG & RET. TOOL. R/U HALLIBURTON & FRAC "F2" INTVL @ 5513'-20' AVG RATE 18.2 BPM AVG PSI 1620# MAX RATE 21 BPM MAX PSI 3800# PUMPED 325 BBLs FLUID & 41,800# 20/40 SAND. START FLOWBACK IMMED. TO FORCE CLOSE @ 1/4 BPM. WELL FLOWED 3 HRS & RECOVERED 67 BBLs FRAC FLUID. HAVE 258 BLTR. P/U RET TOOL & RIH W/ 2 7/8" TBG. TAG SAND @ 5547'. CIRC SAND OUT TO RBP @ 5610'. RELEASE RBP & RESET @ 5206'. TEST PLUG TO 3800#. HELD OK! POOH W/ TBG & RET. TOOL. SION

RIG	\$1708
BOPE	\$ 150
TANKS	\$ 60
TOOLS	\$ 300
WATER	\$ 990
TREATMENT	\$16,925
HOT OILER	\$ 775

DC: \$20,908                      CC: \$34,119

3-1-97: CHECK PRESSURE 0# SITP & SICP. R/U WESTERN ATLAS WIRELINE. RIH W/ 4" CSG GUN & PERFORATE "Ec" INTVL @ 5075'-80' & "Ed" INTVL @ 5124'-33' 4SPF 56 HOLES TOTAL. R/D WIRELINE TRUCK. BREAK DOWN PERFS W/ RIG PUMP USING 2% KCL WTR. ZONES BROKE DOWN @ 2100#. AVG 2.1 BPM @ 1300#. ISIP 1100# P/U RET. TOOL & RIH W/ 2 7/8" TBG TO 5006'. R/U & SWAB WELL. F.L. @ SURF. MADE 19 RUNS & RECOVERED 106 BBLS FLUID.( LAST 4 RUNS APPROX. 40% OIL CUT ) FINAL F.L. @ 3900#. SION

RIG	\$1455
BOPE	\$ 150
TANKS	\$ 60
WIRELINE	\$1692

DC: \$3357                      CC: \$37,476

3-2-97: CHECK PRESSURES 0# SITP & SICP. R/U & RIH W/ SWAB. F.L. @ 3600'.( 300' FLUID ENTRY OVERNIGHT ) MADE ONE RUN & RECOVERED 6 BBLS FLUID ( 90% OIL CUT W/ SHOW OF GAS ) POOH W/ 2 7/8" TBG & RET. TOOL. R/U HALLIBURTON & FRAC "Ec" & "Ed" INTVLS @ 5075'-5133' AVG RATE 25.5 BPM AVG PSI 1900# MAX RATE 27.2 BPM MAX PSI 2790# PUMPED 490 BBLS FLUID & 84,000# 20/40 SAND. ISIP 2613# START FLOWBACK IMMED. TO FORCE CLOSE @ 1/4 BPM. WELL FLOWED 3 HRS & RECOVERED 72 BBLS FRAC FLUID. HAVE 418 BLTR. P/U RET. TOOL & RIH W/ 2 7/8" TBG. TAG SAND @ 5148'. CIRC & CLEAN OUT SAND TO RBP @ 5206'. ( CIRC 20 SX SAND & HAD GOOD SHOW OF OIL & GAS WHILE CIRCULATING OUT SAND ) RELEASE RBP & RESET @ 4953'. TEST PLUG TO 3800#. HELD OK!. POOH W/ 12 JTS TBG. SION

RIG	\$1660
BOPE	\$ 150
TANKS	\$ 60
WATER	\$1509
HOT OILER	\$1157
TOOLS	\$ 300
TREATMENT	\$21,811

DC: \$26,647                      CC: \$64,123

3-3-97: NO ACTIVITY

DC: \$0                              CC: \$64,123

3-4-97: CHECK PRESSURES 0# SITP & SICP. BOP'S ICED UP & DAMAGED SEALS ON PIPE RAMS. OPENED DOORS & REMOVED RAM BLOCKS. POOH W/ 2 7/8" TBG & RET. TOOL. R/U WESTERN ATLAS WIRELINE TRUCK. RIH W/ 4" CSG GUN & PERFORATE "DC4", "DC5" & "D" INTVLS @ 4812'-15', 4820'-34 & 4898'-4906' 4 SPF 100 HOLES TOTAL. CHANGE OUT BOP'S. BREAK DOWN PERFS W/ RIG PUMP USING 2% KCL WATER. ZONES BROKE @ 2250# AVG 3 BPM @ 1200# ISIP 1000#. P/U RET. TOOL & RIH W/ 2 7/8" TBG TO 4897' (SN @ 4868') R/U & SWAB WELL. F.L. @ SURF. MADE 13 RUNS & RECOVERED 117 BBLS FLUID.( 60% OIL CUT ) FINAL F.L. @ 2600'. SION

RIG	\$1745
BOPE	\$ 150
TANKS	\$ 60
WIRELINE	\$2265

DC: \$4220                      CC: \$68,343

3-5-97: CHECK PRESSURES 125# SITP & SICP. R/U & RIH W/ SWAB. F.L. @ 1800' ( 800' FLUID ENTRY OVERNIGHT ) MADE ONE RUN & RECOVERED 9 BBLs FLUID ( 90% OIL CUT W/ GOOD GAS SHOW ) POOH W/ 2 7/8" TBG. & RET. TOOL. R/U HALLIBURTON & FRAC "DC4", "DC5" & "D" INTVLS @ 4812'-4906'. AVG RATE 25.5 BPM AVG PSI 2050# MAX RATE 27.2 BPM MAX PSI 2770# PUMPED 596 BBLs FLUID & 123,000# 20/40 SAND ISIP 1905#. START FLOWBACK IMMED. TO FORCE CLOSE @ 1/4 BPM. WELL FLOWED 3 1/2 HRS & RECOVERED 145 BBLs FRAC FLUID W/ TRACE OF SAND & OIL. HAVE 451 BLTR. P/U RET. TOOL & RIH W/ TBG. TAG SAND @ 4888'. CIRC & CLEAN OUT SAND TO 4948'. COULD NOT GET ANY DEEPER. RETURNED SMALL AMT. OF WHAT APPEARS TO BE SHALE. POOH W/ 8 JTS TBG. SION

RIG	\$1834
BOPE	\$ 150
TANKS	\$ 60
WATER	\$1038
HOT OILER	\$1545
TOOLS	\$ 300
TREATMENT	\$25,951

DC: \$30,878                      CC: \$99,221

3-6-97: CHECK PRESSURES 0# SITP & SICP. THAW OUT WELLHEAD. POOH W/ 2 7/8" TBG & RET. TOOL. P/U NOTCHED RET. TOOL & RIH W/ TBG. TAG BLOCKAGE 5' ABOVE PLUG & ROTATE SEVERAL TIMES. CIRCULATED SAND & SMALL AMT OF SHALE DOWN TOP RBP. RELEASE RBP & RESET @ 4505'. TEST PLUG TO 3800#. HELD OK! POOH W/ TBG & RET. TOOL. R/U WESTERN ATLAS WIRELINE. RIH W/ 4" CSG GUN. PERFORATE " B" INTVL @ 4418'-24' 4 SPF 24 HOLES TOTAL. TRY TO BREAK DOWN PERFS W/ RIG PUMP USING 2% KCL WATER. PRESSURED CSG TO 4000# SEVERAL TIMES BUT WERE UNABLE TO BREAK DOWN PERFS. ORDERED PKR & ACID FOR A.M. SION

RIG	\$1368
BOPE	\$ 150
TANKS	\$ 60
HOT OILER	\$ 240
TOOLS	\$ 300
WIRELINE	\$1143

DC: \$3261                      CC: \$102,482

3-7-97: CHECK PRESSURES 0# SITP & SICP. P/U 5 1/2" PKR & RIH W/ 2 7/8" TBG TO 4451'. R/U HALLIBURTON & SPOT 250 GAL 15% HCL ACID ACROSS "B" INTVL @ 4418'-24'. MOVE UP & SET PKR @ 4169'. PRESSURE CSG TO 1500#. BREAK DOWN PERFS. ZONE BROKE @ 2120# AVG RATE 3.6 BPM @ 1800# ISIP 1304# 15 MIN. 208#. R/U & SWAB BACK ACID WATER. RELEASE PKR & RESUME SWABBING. MADE 18 RUNS & RECOVERED 144 BBLs FLUID. ( 70% OIL CUT ON FINAL RUN W/ GOOD SHOW OF GAS ) FINAL FLUID LEVEL @ 1800#. SION

RIG	\$1493
BOPE	\$ 150
TANKS	\$ 60
WATER	\$ 780
TOOLS	\$ 900
TREATMENT	\$2028

DC: \$5411                      CC: \$107,893

3-8-97: CHECK PRESSURES 150# SITP & 250# SICP. WELL FLOWING. CIRC WELL W/ 2% KCL WATER TO KILL. POOH W/ 2 7/8" TBG & PKR. R/U HALLIBURTON & FRAC "B" INTVL @ 4418'-24'. AVG RATE 18 BPM AVG PSI 2000# MAX RATE 19 BPM MAX PSI 2330# PUMPED 288 BBLS FLUID & 46,200# 20/40 SAND. ISIP 2076#. FLOW BACK WELL IMMED. TO FORCE CLOSE @ 1/4 BPM. WELL FLOWED 2 1/2 HRS & RECOVERED 69 BBLS FRAC FLUID. HAVE 219 BLTR. P/U RET. TOOL & RIH W/ 2 7/8" TBG. TAG SAND @ 4449'. CIRC SAND OUT TO TOP OF RBP @ 4505'. RELEASE RBP. POOH W/ TBG & TOOLS. SION

RIG	\$1746
BOPE	\$ 150
TANKS	\$ 60
WATER	\$ 96
TOOLS	\$ 300
TREATMENT	\$17,384

DC: \$19,736            CC: \$127,629

3-9-97: CHECK PRESSURE 350# SICP. WELL STARTED FLOWING & PRESURE INCREASED TO 200#. R/U & FLOW WELL THRU FLOW BACK MANIFOLD. WELL FLOWING ON 28/64 CHOKE. FCP 300# WELL FLOWING FRAC FLUID, 30-60% OIL & 1- 1.5 MMCF EST GAS. R/U LINE TO FRAC TANK & FLOW WELL 1 HR & RECOVERED 37 BBLS FLUID (60- 70% OIL) PUMP 100 BBLS 9.6# BRINE WATER DOWN CSG. RIH W/ NOTCHED COLLAR, 1 JT 2 7/8" TBG, SEAT NIPPLE, 36 JTS TBG. ANCHOR & 1 JT TBG. WELL STARTED FLOWING. PUMP 100 MORE BBLS BRINE WATER DOWN CSG. RIH W/ TBG TO 4277' & WELL STARTED FLOWING AGAIN. SION

RIG	\$1827
BOPE	\$ 150
TANKS	\$ 60
WATER	\$1056

DC: \$3093            \$133,722

3-10-97: CHECK PRESSURES 250# SITP & 525# SICP. CIRC. & KILL WELL W/ BRINE WATER. RIH W/ 2 7/8" TBG. TAG FILL @ 5859' KB. PULL UP & SET TBG ANCHOR @ 4389' W/ 11,000# TENSION. N/D BOP'S & N/U WELLHEAD. R/U & SWAB WELL. F.L. @ 700'. MADE 18 RUNS & RECOVERED 107 BBLS BRINE WATER W/ 5% OIL CUT ON LAST RUN. CSG STARTED FLOWING. FLOWED WELL 4 HRS ON 48/64 CHOKE & RECOVERED 141 BBLS FLUID. FCP 250#. SICP @ 6:30 PM 1000# SION

RIG	\$1607
BOPE	\$ 150
TANKS	\$ 60
WATER	\$ 886

DC: \$2703            CC: \$136,425

3-11-97: CHECK PRESSURES 0# SITP & 1300# SICP. RIG DOWN & RELEASE  
COMPLETION RIG. PREP. TO HOOK UP TANK BATTERY.

TUBING DETAIL

K.B. CORR.	16.00'
138 JTS 2 7/8" 6.5# J-55 EUE TBG	4373.39'
5 1/2" ANCHOR @ 4389' W/ 11,000# TENSION	2.72'
36 JTS 2 7/8" TBG	1155.60'
SEAT NIPPLE @ 5548'	1.10'
1 JT 2 7/8" TBG	29.48'
NOTCHED COLLAR	.44'
EOT @	5579'

RIG \$350

DC: \$350 CC: \$136,775

3-12-97: PREP. TO HOOK UP TANK BATTERY. SITP 0# SICP 1350#  
HAVE 1453 BLTR

DC: \$0 CC: \$136,775

3-13-97: CHECK PRESSURES 0# SITP & 1350# SICP. HOOKING UP TANK BATTERY.  
HAVE 1453 BLTR

DC: \$0 CC: \$136,775

3-14-97: CHECK PRESSURES 0# SITP & 1350# SICP. HOOKING UP TANK BATTERY.  
HAVE 1453 BLTR

DC: \$0 CC: \$136,775

3-15,16,17-97: CHECK PRESSURES 0# SITP & 1350# SICP. HOOKING UP TANK BATTERY.  
HAVE 1453 BLTR

DC: \$0 CC: \$136,775

3-18-97: WELL PRODUCED 128 BBLS OIL & 48 BBLS WTR IN 24 HRS. CP 80#  
HAVE 1239 BLTR

DC: \$0 CC: \$182,936

3-19-97: CHECK PRESSURES 0# SITP & 1350# SICP. HOOKING UP TANK BATTERY.  
HAVE 1453 BLTR

DC: \$0 CC: \$136,775

3-20-97: CHECK PRESSURES 0# SITP & 1350# SICP. HOOKING UP TANK BATTERY.  
HAVE 1453 BLTR

DC: \$0 CC: \$136,775

3-21-97: CHECK PRESSURES 0# SITP & 1350# SICP. HOOKING UP TANK BATTERY.  
HAVE 1453 BLTR

DC: \$0 CC: \$136,775

3-22-97: CHECK PRESSURES 0# SITP & 1350# SICP. HOOKING UP TANK BATTERY.  
HAVE 1453 BLTR

DC: \$0                      CC: \$136,775

3-25-97: HOOKING UP TANK BATTERY. SITP 0# SICP 1350#  
HAVE 1453 BLTR

DC: \$0                      CC: \$136,775

3-26-97: HOOKING UP TANK BATTERY. SITP 0# SICP 1350#  
HAVE 1453 BLTR

DC: \$0                      CC: \$136,775

3-27-97: PRODUCED 188 BO & 49 BW IN 24 HRS. GAS SALES 220 MCF. CP 180#  
HAVE 777 BLTR

DC: \$0                      CC: \$182,936

3-28-97: HOOKING UP TANK BATTERY. SITP 0# SICP 1350#  
HAVE 1453 BLTR

3-29-97: HOOKING UP TANK BATTERY. MIRU BASIN WELL SERVICE RIG #1. R/U &  
SWAB WELL. F.L. @ 1100'. MADE TWO RUNS & RECOVERED 12 BBLs BRINE WTR.  
WELL STARTED FLOWING. FLOWED 20 BBLs TO PROD. TANK & FILLED TREATER.  
SION ( NEED TO MAKE ADJUSTMENTS TO TREATER )

3-30-97: MAKE ADJUSTMENTS TO HEATER TREATER. START WELL FLOWING @ 10:00  
AM  
HAVE 1433 BLTR

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR ENSERCH EXPLORATION, INC.  
ADDRESS 85 SOUTH 200 EAST  
VERNAL, UT 84078

OPERATOR ACCT. NO. 11 4940

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	12100	43-013-31698	FEDERAL #13-15H	NW SW	15	9S	17E	Duchesne	1/30/97	
WELL 1 COMMENTS: <i>Entities added 4-9-97. Jec</i>											
A	99999	12101	43-013-31695	FEDERAL #14-15H	SW SW	15	9S	17E	Duchesne	1/8/97	
WELL 2 COMMENTS:											
A	99999	12102	43-013-31107	FEDERAL #31R-9H	NW NE	9	9S	17E	Duchesne	1/6/97	
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

*[Signature]*  
Signature  
Sr. Prod. Supervisor 4/9/97  
Title Date  
Phone No. 801, 789-4573

P.02  
801 789 5192  
APR-09-97 10:18 AM ENSERCH/VERNAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-75078

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FED. #31R-9H (RE-ENTRY)

9. API Well No.

43-013-31107

10. Field and Pool, or Exploratory Area

PLEASANT VALLEY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

ENSERCH EXPLORATION, INC.

3. Address and Telephone No.

85 SOUTH 200 EAST, VERNAL, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

768' FNL & 1873' FEL NW/NE SEC. 9, T9S, R17E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

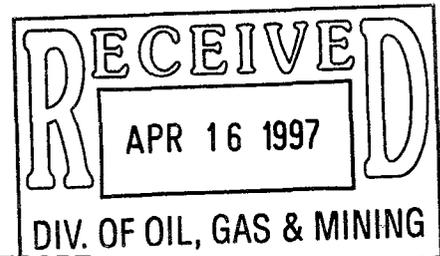
TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other SITE SECURITY DIAG.  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

PURSUANT TO ONSHORE OIL & GAS ORDER NO. 3, ATTACHED IS A "FACILITY AND SITE SECURITY DIAGRAM" FOR THE SUBJECT WELL.



COPIES: ORIG. & 2 - BLM; DIV. OG&M; SREED-MIDLAND; JHEINZE-BRIDGEPORT

14. I hereby certify that the foregoing is true and correct

Signed

*[Signature]*

Title SR. PROD. SUPERVISOR

Date 04/11/97

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:



**ENSERCH EXPLORATION, INC.**

**ATTACHMENT TO FACILITY & SITE SECURITY  
DIAGRAM**

**GENERAL SEALING OF VALVES**

**\* NOTE : SALES ARE MADE BY TANK GAUGING.**

**PRODUCTION PHASE : DRAIN LINE VALVES (D1 & D2), SALES LINE VALVES (S1 & S2) AND OPPOSITE FILL LINE VALVES (F1 OR F2) ARE SEALED IN THE CLOSED POSITION.**

**SALES PHASE : THE TANK (ST/1 OR ST/2) FROM WHICH OIL SALES ARE BEING MADE WILL BE TOTALLY ISOLATED BY SEALING CLOSED THE DRAIN VALVES, FILL LINE VALVE & OVERFLOW VALVE (E1) DURING SALES.**

**BS&W DRAINING PHASE : THE TANK TO BE DRAINED WILL BE ISOLATED BY SEALING CLOSED THE SALES LINE VALVE & DRAIN VALVE ON THE OPPOSITE STORAGE TANK.**

**EXAMPLE : ONGOING ACTIVITY. PRODUCTION GOING INTO ST/1 & OIL SALES BEING MADE FROM ST/2.**

**SEALING OF VALVES :**

**ST/1 VALVES S1 & D1 ARE SEALED CLOSED.**

**ST/2 VALVES D2, F2 & E1 ARE SEALED CLOSED.**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
U-75078

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA, Agreement Designation  
N/A

8. Well Name and No.  
FED. #31R-9H (RE-ENTRY)

9. API Well No.  
43-013-31107

10. Field and Pool, or Exploratory Area  
PLEASANT VALLEY

11. County or Parish, State  
DUCHESNE COUNTY, UTAH

**SUBMIT IN TRIPLICATE**

**CONFIDENTIAL**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

ENSERCH EXPLORATION, INC.

3. Address and Telephone No.

85 SOUTH 200 EAST, VERNAL, UT 84078 801-789-4573

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

768' FNL & 1873' FEL NW/NE SEC. 9, T9S, R17E

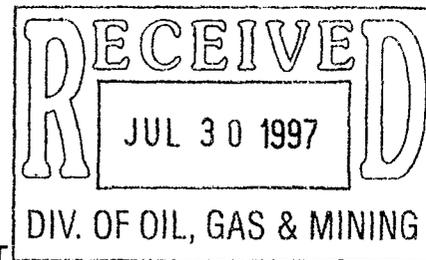
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

OPERATOR PROPOSES TO DISPOSE OF PRODUCED WATER INTO AN ABOVE GROUND TANK. THE TANK WILL BE FIBERGLASS WITH A CAPACITY OF APPROXIMATELY 100 BBLs. WATER FROM THE TANK WILL BE TAKEN BY TRUCK AND INJECTED IN THE PLEASANT VALLEY INJECTION FACILITY AT THE PVU #42-8-H WELL.



COPIES: ORIG. & 2 - BLM; DIV. OG&M; SREED-MIDLAND; JHEINZE-BRIDGEPORT

14. I hereby certify that the foregoing is true and correct

Signed

*[Signature]*

Title SR. PROD. SUPERVISOR

Date 07/28/97

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

JOHN W PEARCE  
 ENSERCH EXPLORATION INC  
 6688 N CENTRAL EXP #1000  
 DALLAS TX 75206-3922

UTAH ACCOUNT NUMBER: N4940

REPORT PERIOD (MONTH/YEAR): 8 / 97

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
FEDERAL 13-33-B								
4301331277	11092	08S 16E 33	GRRV			U-49092	Wells Draw Unit	
FEDERAL 22-5-G								
4301331273	11103	09S 16E 5	GRRV			U-30096	"	
FEDERAL 13-34-B								
4301331271	11104	08S 16E 34	GRRV			U-47171	"	
<del>STATE 31-32</del>								
4304732500	11645	08S 18E 32	GRRV			ML-22058	\$25,000 (Reg. add'l Bonding per Trust)	
FEDERAL 41-29								
4304732495	11646	09S 18E 29	GRRV			U-19267		
FEDERAL 21-9H								
4301331458	11676	09S 17E 9	GRRV			U-50750	Pleasant Valley Unit	
FEDERAL 14-9H								
4301331459	11677	09S 17E 9	GRRV			U-50750	"	
FEDERAL 21-8H								
4301331460	11687	09S 17E 8	GRRV			U-10760	"	
FEDERAL 13-15H								
4301331698	12100	09S 17E 15	GRRV			U-74805		
FEDERAL 14-15H								
4301331695	12101	09S 17E 15	GRRV			U-74805		
FEDERAL 31R-9H (RE-ENTRY)								
4301331107	12102	09S 17E 9	GRRV			U-50750		
<b>TOTALS</b>								

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_  
 Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. -

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
 Inland Production Company

3. Address and Telephone No.  
 475 17th Street, Suite 1500, Denver, Colorado 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 Section 9, NW/4 NE/4, T9S-R17E

5. Lease Designation and Serial No.  
 UTU-75078

6. If Indian, Allottee or Tribe Name  
 NA

7. If Unit or CA, Agreement Designation  
 NA

8. Well Name and No.  
 31R-9H Federal

9. API Well No.  
 43-013-31107

10. Field and Pool, or Exploratory Area  
 Monument Butte

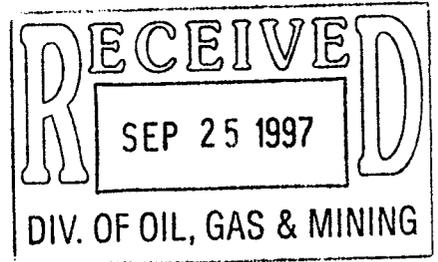
11. County or Parish, State  
 Duchesne County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>Change of Operator</u> <input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well)</small>

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Inland Production Company assumes operations of the above mentioned well effective August 16, 1997. Inland Production Company operates under BLM Bond No. UT0056.



14. I hereby certify that the foregoing is true and correct  
 Signed [Signature] Title Attorney-In-Fact Date 08/14/1997

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

CC: UTAH DOGM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. --

SUBMIT IN TRIPLICATE

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

UTU-75078

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

31R-9H Federal

9. API Well No.

43-013-31107

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, Utah

1. Type of Well

Oil  Gas  Well  Other

2. Name of Operator

ENSERCH EXPLORATION INC.

3. Address and Telephone No.

4849 Greenville Avenue, Suite 1200, Dallas, Texas 75206-4186

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description).

Section 9, NW/4 NE/4, T9S-R17E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment

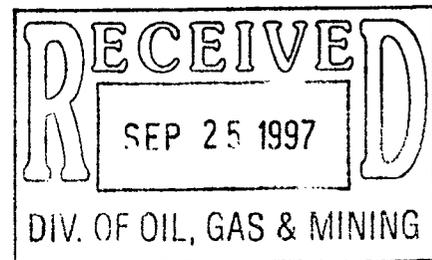
TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Change of Operator
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Enserch Exploration Inc. has sold its interest in the Pleasant Valley #31R-9H to Inland Production Company and relinquishes operations effective August 16, 1997. Inland Production Company operates under BLM Bond No. UT0056.



14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Sr. Production Analyst Date 08/14/1997

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: UTAH DOGM



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (801) 781-4400  
Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3  
UT08438

October 23, 1997

Inland Production Company  
475 17th Street, Suite 1500  
Denver, CO 80202

Re: Well No. 31R-9H Federal  
NWNE, Sec. 9, T9S, R17E  
Lease U-75078  
Duchesne County, Utah

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II  
Assistant Field Manager,  
Minerals Resources

cc: ~~Division of Oil, Gas & Mining~~  
Enserch Exploration Inc.  
Inland - Vernal

**OPERATOR CHANGE WORKSHEET**

Routing	
1-MFC	6-LET
2-GLH	7-KAS ✓
3-DEPT ✓	8-SI
4-VLD ✓	9-FILE
5-JRB ✓	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator               Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 8-16-97

TO: (new operator) INLAND PRODUCTION COMPANY FROM: (old operator) ENSERCH EXPLORATION INC  
 (address) PO BOX 1446 (address) 6688 N CENTRAL EXP #1000  
ROOSEVELT UT 84066 DALLAS TX 75206-3922  
 Phone: (801)722-5103 Phone: (214)369-7893  
 Account no. N5160 Account no. N4940

WELL(S) attach additional page if needed:

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31107</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). (Rec'd 9-25-97)
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (Rec'd 9-25-97)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- ec 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. (10-27-97 / Fed. Lease Wells)
- lec 6. Cardex file has been updated for each well listed above. (10-27-97)
- lec 7. Well file labels have been updated for each well listed above. (10-27-97)
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (10-27-97)
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- Sec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- hc 2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- OTS 10/24/97
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

**FILMING**

- ✓ 1. All attachments to this form have been microfilmed. Today's date: 6-23-98.

**FILING**

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

971027 Blm/Vernal Aprv. "Fed. lease" wells 10-23-97.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**U-75078**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**NA**

8. Well Name and No.  
**FEDERAL 31R-9H (RE-ENTRY)**

9. API Well No.  
**43-013-31107**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**0768 FNL 1873 FEL                      NW/NE Section 9, T09S R17E**

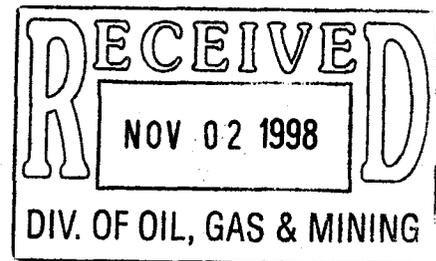
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Site Security</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed *Debbie E. Knight* Title Manager, Regulatory Compliance Date 10/28/98

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

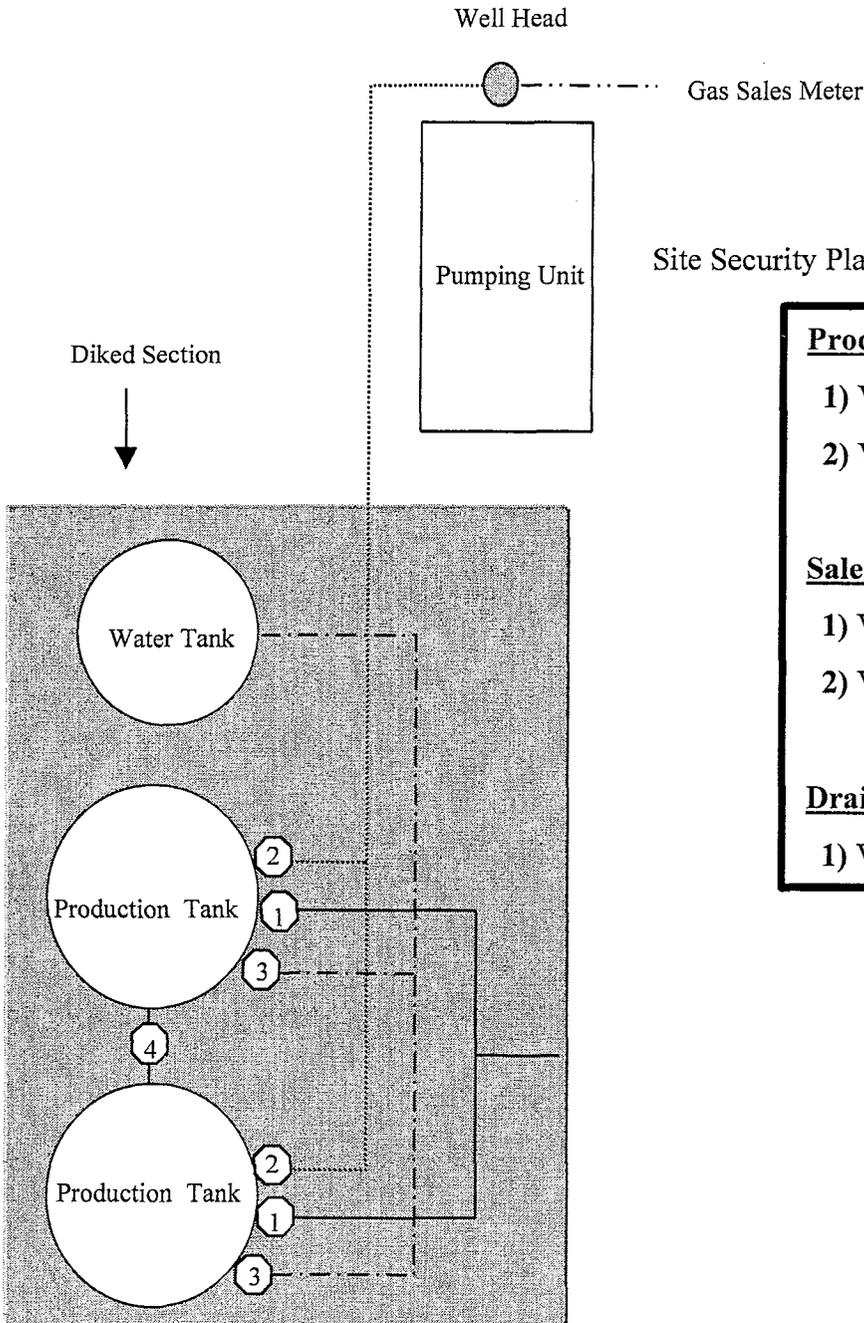
# Inland Production Company Site Facility Diagram

Pleasant Valley 31R-9H

NW/NE Sec. 9, T9S, 17E

Duchesne County

May 12, 1998



Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

### Production Phase:

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

### Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

### Draining Phase:

- 1) Valve 3 open

### Legend

Emulsion Line	.....
Load Line	—————
Water Line	- - - - -
Gas Sales	- · - · - ·



February 1, 2000

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

**RECEIVED**

RE: Permit Application for Water Injection Well  
Federal 31-9H (Fed. 31R-9H 43-013-31107) UIC-250.5  
Monument Butte Field, Blackjack Unit, Lease #U-75078  
Section 9-Township 9S-Range 17E  
Duchesne County, Utah

FEB 09 2000

**DIVISION OF  
OIL, GAS AND MINING**

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Federal 31-9H from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Mike Mihaljevich at (303) 382-4434.

Sincerely,

David Donegan  
Manager of Operations

**INLAND PRODUCTION COMPANY**

**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**

**FEDERAL 31-9H**

**BLACKJACK UNIT**

**MONUMENT BUTTE (GREEN RIVER) FIELD**

**LEASE #U-75078**

**FEBRUARY 1, 2000**

## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELBORE DIAGRAM OF PROPOSED INJECTION WELL	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELBORE DIAGRAM – FEDERAL 31-9H
ATTACHMENT E-1	WELBORE DIAGRAM – CASTLE DRAW #15-4-9-17
ATTACHMENT E-2	WELBORE DIAGRAM – MAXUS FEDERAL #24-4
ATTACHMENT E-3	WELBORE DIAGRAM – BALCRON FEDERAL #44-4Y
ATTACHMENT E-4	WELBORE DIAGRAM – CASTLE DRAW #1-9-9-17
ATTACHMENT E-5	WELBORE DIAGRAM – FEDERAL #21-9H
ATTACHMENT E-6	WELBORE DIAGRAM – FEDERAL #22-9H
ATTACHMENT E-7	WELBORE DIAGRAM – FEDERAL #33-9H
ATTACHMENT F	WATER ANALYSIS OF THE PRIMARY FLUID TO BE INJECTED
ATTACHMENT F-1	WATER ANALYSIS OF THE SECONDARY FLUID TO BE INJECTED
ATTACHMENT F-2	ANALYSIS OF FORMATION WATER FROM THE FEDERAL 31-9H
ATTACHMENT F-3	ANALYSIS OF THE COMPATIBILITY OF THE INJECTED AND FORMATION FLUIDS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORT DATED 2/27/97
ATTACHMENT G-2	FRACTURE REPORT DATED 3/1/97
ATTACHMENT G-3	FRACTURE REPORT DATED 3/4/97
ATTACHMENT G-4	FRACTURE REPORT DATED 3/7/97
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUGGING AND ABANDONMENT
ATTACHMENT H-1	WELBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

RECEIVED

FEB 09 2000

DIVISION OF  
OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company  
ADDRESS 410 17th Street, Suite 700  
Denver, Colorado 80202

Well Name and number: Federal #31-9H  
Field or Unit name: Monument Butte (Green River) Blackjack Unit Lease No. U-75078  
Well Location: QQ NWNE section 9 township 9S range 17E county Duchesne

Is this application for expansion of an existing project? ..... Yes  No   
Will the proposed well be used for: Enhanced Recovery? ..... Yes  No   
Disposal? ..... Yes  No   
Storage? ..... Yes  No   
Is this application for a new well to be drilled? ..... Yes  No   
If this application is for an existing well,  
has a casing test been performed on the well? ..... Yes  No   
Date of test: \_\_\_\_\_  
API number: 43-013-31107

Proposed injection interval: from 4418' to 5520'  
Proposed maximum injectic rate 500 bpd pressure 1708 psig  
Proposed injection zone contains  oil,  gas, and/or  fresh water within 1/2  
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H"

I certify that this report is true and complete to the best of my knowledge.

Name: David Donegan Signature   
Title Manager of Operations Date 2/1/00  
Phone No. (303) 893-0102

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# Federal #31-9H

Spud Date: 1/6/97  
 Put on Production: 3/11/97  
 GL: 5241' KB: 5257'

Initial Production: 85 BOPD; ?  
 MCFD; ? BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts.  
 DEPTH LANDED: 283' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 290 sxs Premium cmt, est 8 bbls to surf.

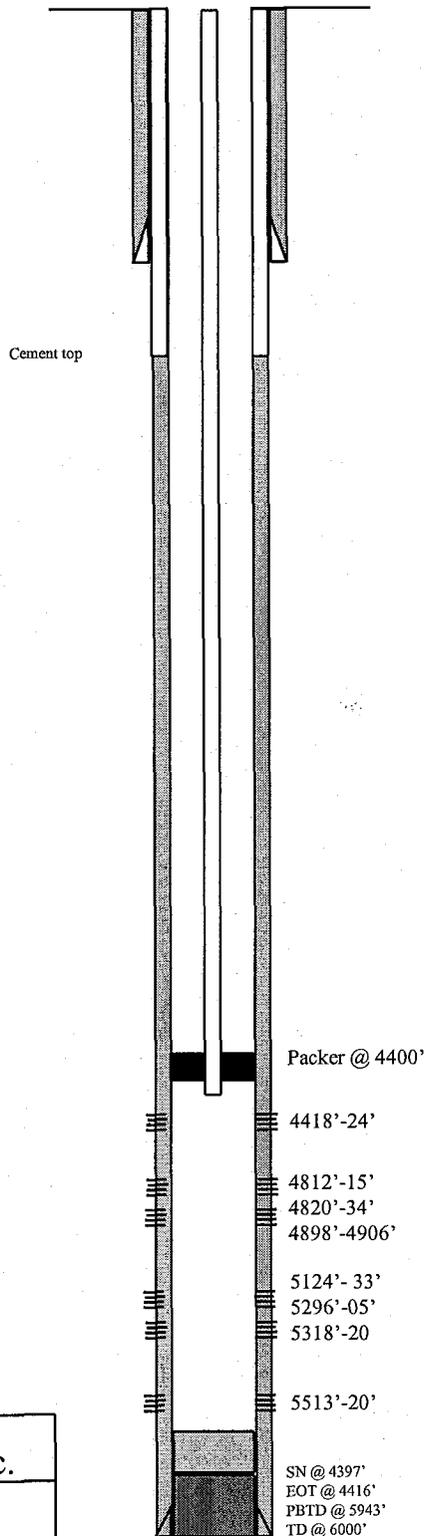
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts.  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 320 sxs modified mixed & 340 sxs class G  
 CEMENT TOP AT: ?  
 SET AT: 6000'

## TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 138 jts  
 PACKER: 4400'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: 4416'  
 SN LANDED AT: 4397'

Proposed Injection  
 Diagram



**Inland Resources Inc.**

**Federal #31-9H**

768 FNL 1873 FEL

NWNE Section 9-T9S-R17E

Duchesne Co, Utah

API #43-013-31107; Lease #U-75078

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down, move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Federal 31-9H from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Blackjack Unit.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. In the Federal 31-9H well, the proposed injection zone is from 4418' - 5520'. The confining strata directly above and below the injection zones are the top of the Garden Gulch formation and the Basal Carbonate. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Federal 31-9H is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #U-75078) in the Monument Butte (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24#, J-55 surface casing run to 283' GL, and 5-1/2" 15.5# J-55 casing run from surface to 6000' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F, F-1, F-2, and F-3

**2.8 The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1300 psig and the maximum injection pressure will not exceed 1708 psig.

**2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Federal 31-9H, for proposed zones (4418' - 5520') calculates at .745 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1708 psig. See Attachment G through G-4.

**2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Federal 31-9H, the injection zone (4418' - 5520') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' within the Monument Butte area. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-7.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

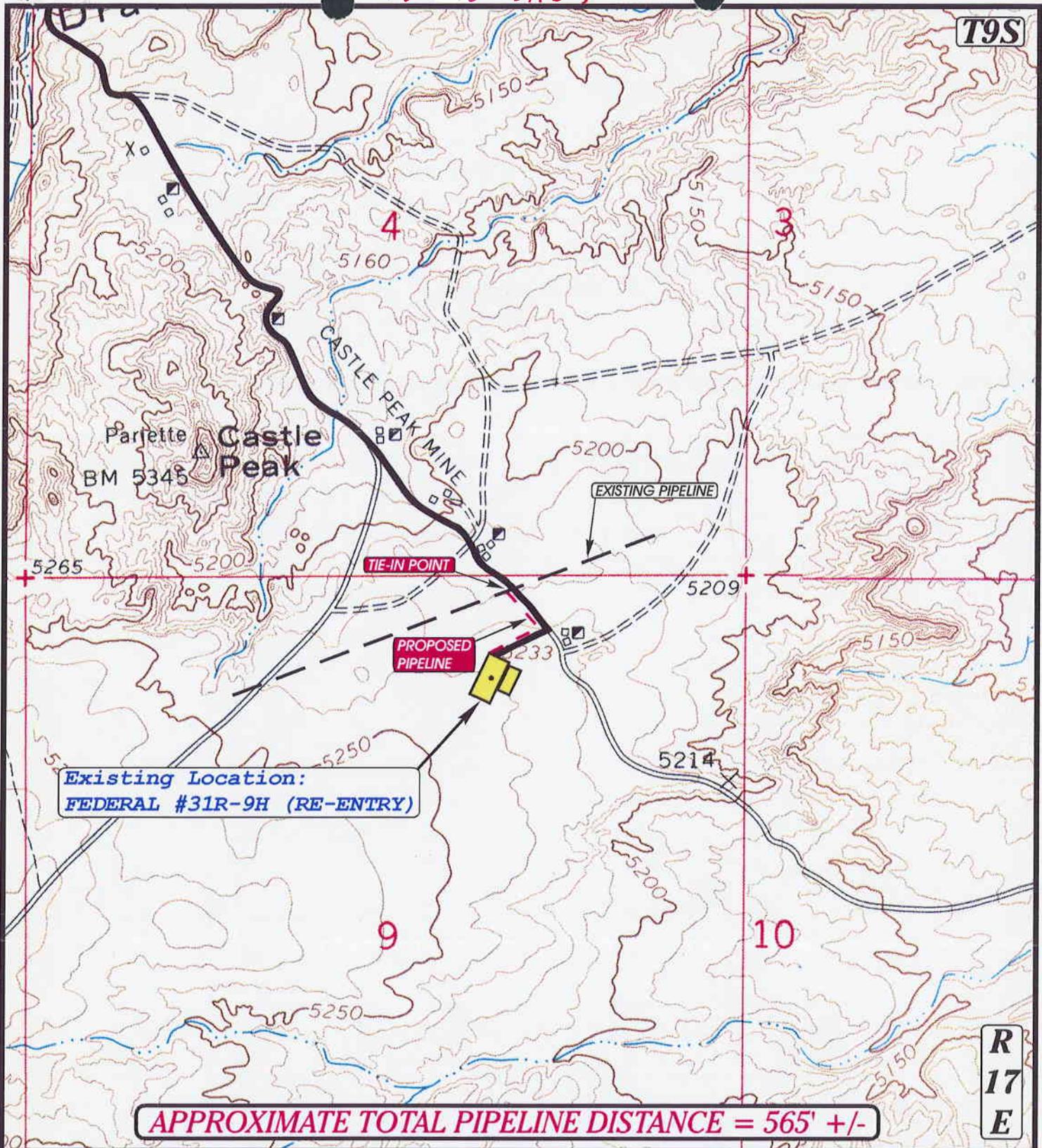
**2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Inland Production Company will supply any requested information to the Board or Division.

43-013-31107



UELS

TOPOGRAPHIC MAP "D"

- Existing Pipeline
- - - Proposed Pipeline



ENSERCH EXPLORATION, INC.

FEDERAL #31R-9H (RE-ENTRY) SECTION 9, T9S, R17E, S.L.B.&M.

DATE: 4-3-97  
Drawn by: J.L.G.

UNTIAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

SCALE: 1" = 1000'

# Attachment A

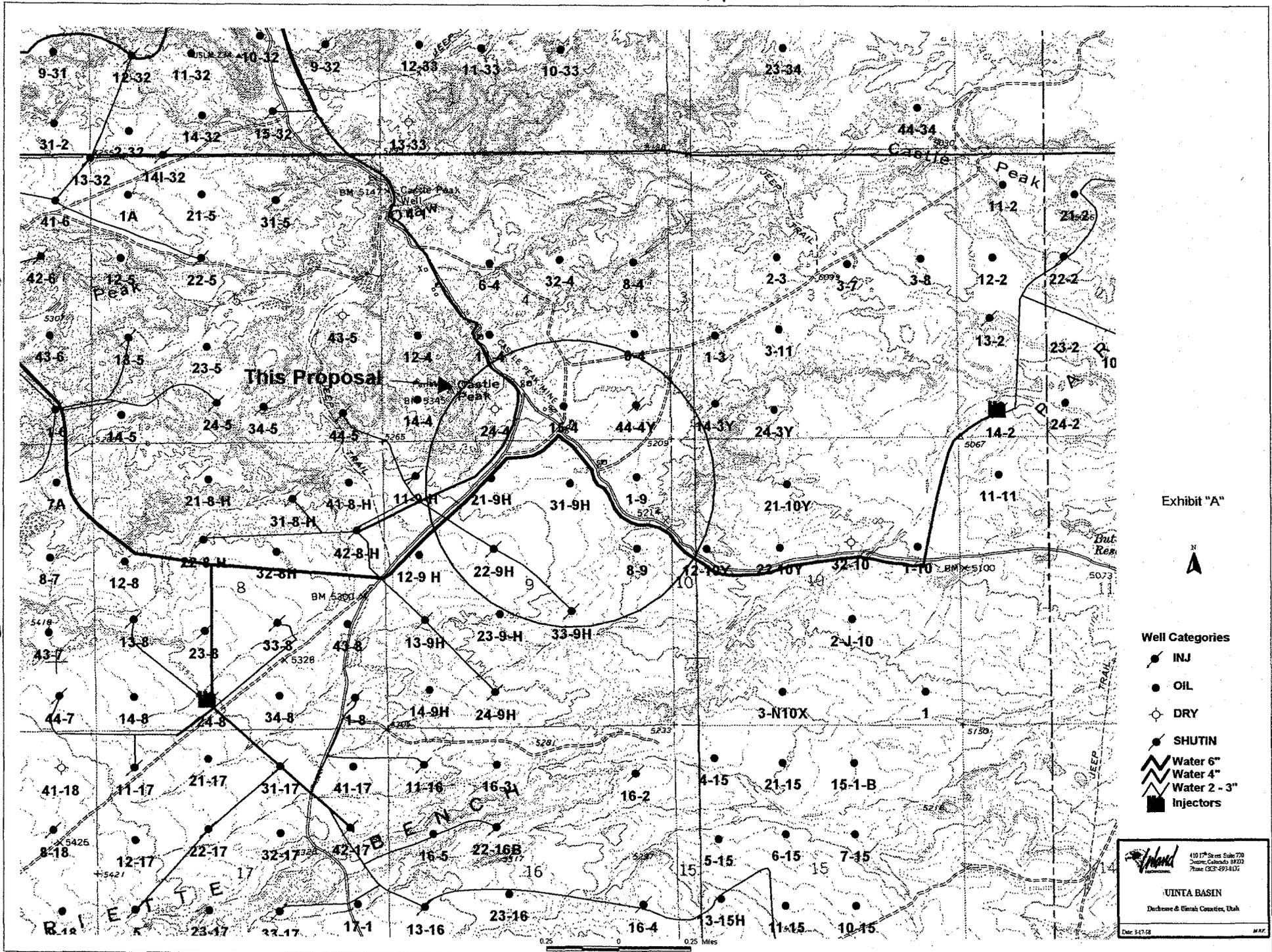


Exhibit "A"



- Well Categories**
- INJ
  - OIL
  - DRY
  - SHUTIN
  - Water 6"
  - Water 4"
  - Water 2 - 3"
  - Injectors

**Inland**  
 410 17th Street Suite 770  
 Denver, Colorado 80202  
 Phone (303) 493-4107

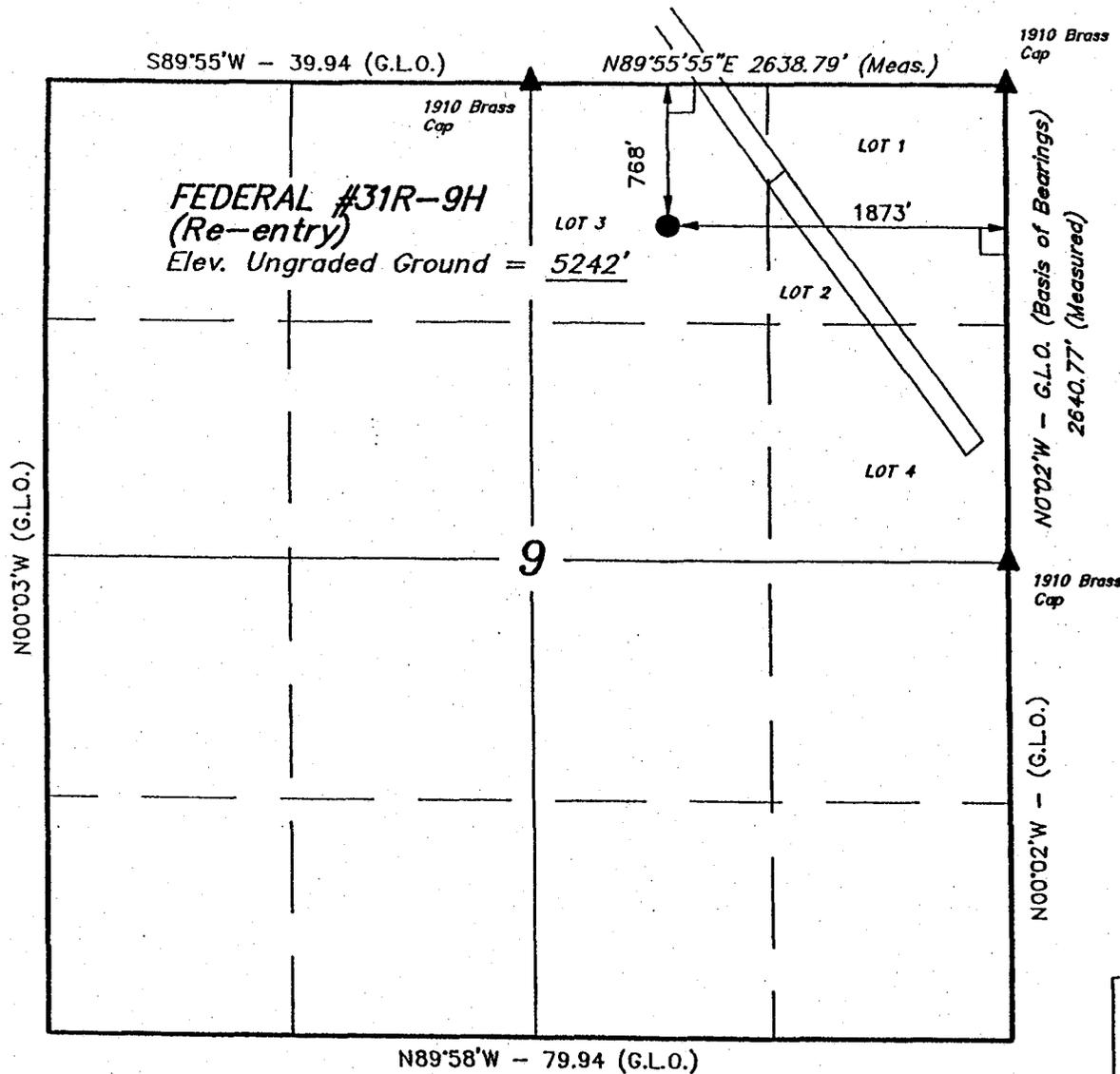
**UINTA BASIN**  
 Duchesne & Uintah Counties, Utah

Date 3-17-08 MAR

Attachment A-1  
 T9S, R17E, S.L.B.&M.

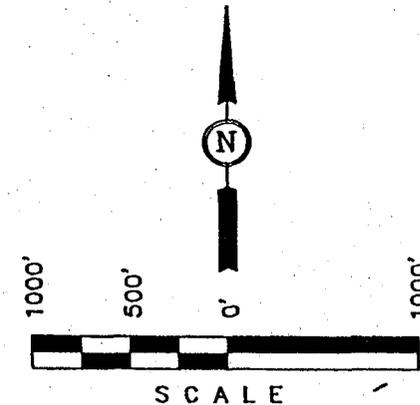
**ENSERCH EXPLORATION,**

Well location, FEDERAL #31R-9H (Re-entry),  
 located as shown in LOT 3 of Section 9,  
 T9S, R17E, S.L.B.&M. Duchesne County, Utah.



**BASIS OF ELEVATION**

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 3, T9S, R17E, S.L.B.&M. TAKEN FROM THE PARIETTE DRAW SW, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5067 FEET.



**CERTIFICATE**

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

*Robert J. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 7-12-96	DATE DRAWN: 7-15-96
PARTY D.A. K.H. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ENSERCH EXPLORATION, INC.	

**LEGEND:**

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

# Attachment B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1.	Township 9 South, Range 17 East Section 3: S/2S/2 Section 25: S/2S/2 Section 28: All Section 29: SE/4SW/4 Section 31: Lots 2-4, E/2SW/4, W/2SE/4	UTU-75037 HBP	Inland Production Company Yates Petroleum Corporation	(Surface Rights) USA
2.	Township 9 South, Range 17 East Section 1: Lots 1-3, S/2NE, SE/4NW/4 Section 4: SE/4SE/4 Section 25: NE/4SW/4	UTU-65967 HBP	Inland Production Company Yates Petroleum Corporation ABO Petroleum Corporation Yates Drilling Company Myco Industries, Inc.	(Surface Rights) USA
3.	Township 9 South, Range 17 East Section 4: Lots 1-12, S/2N/E4 SE/4NW/4, S/2SE/4 Section 31: NE/4, E/2NW/4, NE/4SE/4	UTU-75038 HBP	Inland Production Company	(Surface Rights) USA
4.	Township 9 South, Range 17 East Section 9: Lots 1,2,3	UTU-75078 HBP	Inland Production Company	(Surface Rights) USA

# Attachment B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
5.	Township 9 South, Range 17 East Section 10: W/2NE/4, NW/4 Section 11: N/2 Section 24: All Section 31: SE/4SE/4	UTU-65210 HBP	Inland Production Company Yates Petroleum Corporation Abo Petroleum Corporation Yates Drilling Company Myco Industries	(Surface Rights) USA
6.	Township 9 South, Range 17 East Section 9: SW/4NE/4, W/2	UTU-50750 HBP	Inland Production Company Key Production Company	(Surface Rights) USA
7.	Township 9 South, Rang 17 East Section 9: Lot 4, E/2SE/4	UTU-74806 HBP	Inland Production Company	(Surface Rights) USA
8.	Township 9 South, Range 17 East Section 9: W/2SE/4	UTU-61052 HBP	Inland Production Company	(Surface Rights) USA
9.	Township 9 South, Range 17 East Section 4: SW/4SW/4	UTU -7978 HBP	Inland Production Company	(Surface Rights) USA

# Attachment B

Page 3

#	Land Description	Minerals Ownership	Minerals Leased By
10.	Township 9 South, Range 17 East Section 4: Baxter Lode "A" Mineral Survey No 5566, Baxter Lode "B" Mineral Survey No 5567, Baxter Lode "C" Mineral Survey No 5565, Baxter Lode "D" Mineral Survey No 5564, Lying in Sections 4 & 9 Section 9: Baxter Lode "E" Mineral Survey No 5563	Ziegler Chemical & Mineral Company	Inland Production Company

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Federal 31-9H

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

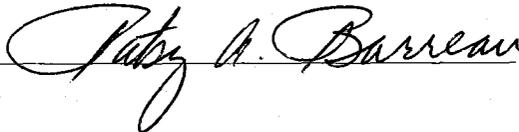
Signed:



Inland Production Company  
David Donegan  
Manager of Operations

Sworn to and subscribed before me this 1st day of February, 2000.

Notary Public in and for the State of Colorado:



# Attachment E

## Federal #31-9H

Spud Date: 1/6/97  
 Put on Production: 3/11/97  
 GL: 5241' KB: 5257'

Initial Production: 85 BOPD; ?  
 MCFD; ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts.  
 DEPTH LANDED: 283' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 290 sxs Premium cmt, est 8 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts.  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 320 sxs modified mixed & 340 sxs class G  
 CEMENT TOP AT: ?  
 SET AT: 6000' *1140*

**TUBING**

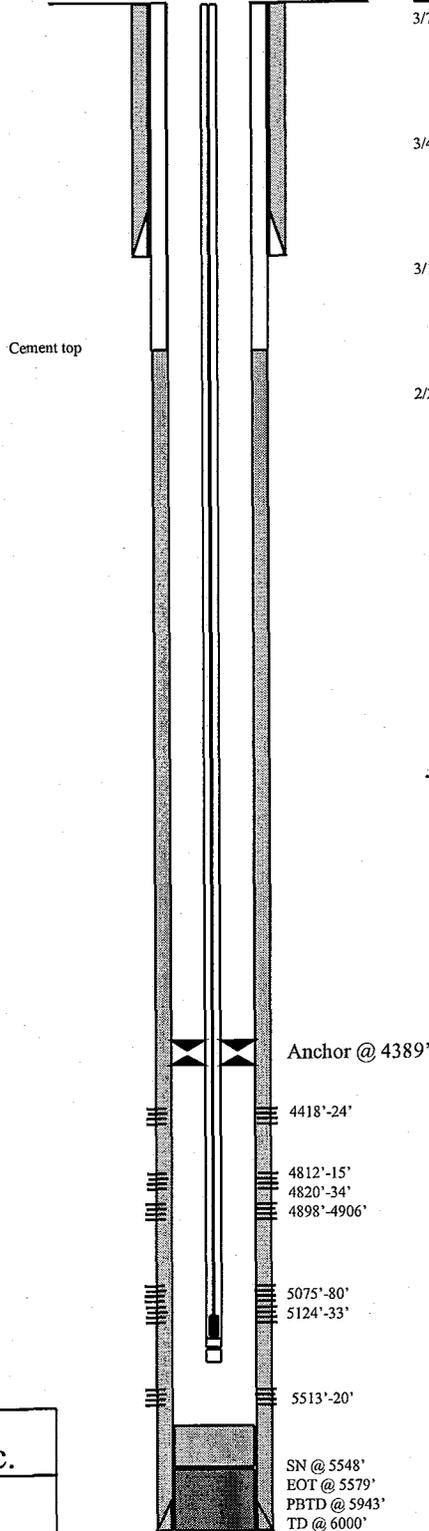
SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 174 jts  
 TUBING ANCHOR: 4389'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: 5579'  
 SN LANDED AT: 5548'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: ?  
 PUMP SIZE: ?  
 STROKE LENGTH: ?  
 PUMP SPEED, SPM: ?  
 LOGS: DIGL/SP/GR/CAL  
 SDI/DSN/GR

**FRAC JOB**

3/7/97 4418'-4424'	46200# 20/40 sd in 288 bbls Boragel fluid. Perfs broke dn @ 1475 psi. Treated @ ave press of 2000 psi w/ave rate of 18 BPM. ISIP: 2076 psi, 5 min: 1901 psi. Flowback on 12/64 choke for ? hrs & died.
3/4/97 4812'-4834'	123000# 20/40 sd in 614 bbls Boragel fluid. Perfs broke dn @ 2770 psi. Treated @ ave press of 2050 psi w/ave rate of 25 BPM. ISIP: 1905 psi, 5 min: 1797 psi. Flowback on 12/64 choke for ? hrs & died.
3/1/97 5075'-5133'	84000# 20/40 sd in 491 bbls Boragel fluid. Perfs broke dn @ 2790 psi. Treated @ ave press of 1900 psi w/ave rate of 25.5 BPM. ISIP: 2613 psi, 5 min: 2430 psi. Flowback on 12/64 choke for ? hrs & died.
2/27/97 5513'-5520'	41800# 20/40 sd in 325 bbls Boragel fluid. Perfs broke dn @ 3300 psi. Treated @ ave press of 1620 psi w/ave rate of 18.2 BPM. ISIP: 1721 psi, 5 min: 1550 psi. Flowback on 12/64 choke for ? hrs & died.



**Inland Resources Inc.**

**Federal #31-9H**

768 FNL 1873 FEL

NWNE Section 9-T9S-R17E

Duchesne Co, Utah

API #43-013-31107; Lease #U-75078

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company  
**Location:** 9/9S/17E

**Well:** Federal 31-9H  
**API:** 43-013-31107

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Blackjack Unit. Lands in the one-half mile radius of the well are administered by the BLM, American Gilsonite and Ziegler Chemical. Inland and various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the Blackjack Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 283 feet and is cemented to surface. A 5 ½ inch production casing is set at 6000 feet and has a cement top at 1140 feet. A 2 7/8 inch tubing with a packer will be set at 4401 feet. A mechanical integrity test will be run on the well prior to injection. There are producing or injection wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 200 feet. Injection shall be limited to the interval between 4418 feet and 5520 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 31-9H well is .745 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1708 psig. The requested maximum pressure is 1708 psig. The anticipated average injection pressure is 1500 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Federal 31-9H**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Blackjack Unit on November 1, 1999 and revised on December 22, 1999. Correlative rights issues were addressed at that time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill

Date: 07/19/00

# Attachment E-1

## Castle Draw #15-4-9-17

Spud Date: 8/23/98  
 Put on Production: 9/29/98  
 GL: 5206' KB: 5216'

Initial Production: 35 BOPD;  
 63 MCFD; 1 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (324')  
 DEPTH LANDED: 333' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Premium cmt, est 8 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5767')  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 230 sxs modified mixed & 265 sxs class G  
 CEMENT TOP AT: ? *2910*  
 SET AT: 5776'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 180 jts  
 TUBING ANCHOR: 5515'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: 5673'  
 SN LANDED AT: 5640'

**SUCKER RODS**

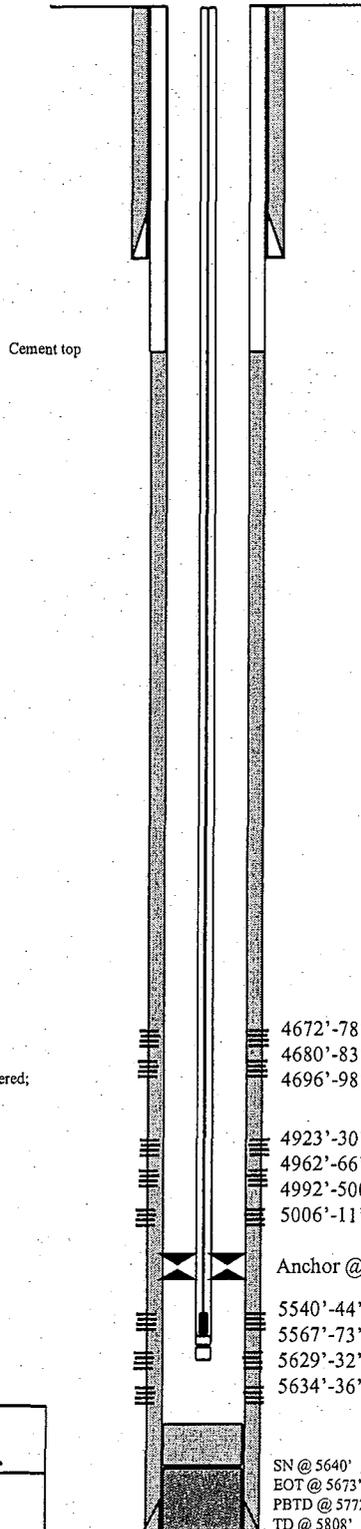
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-3/4" scapered; 121-3/4" plain; 96-3/4" scapered;  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC Pump  
 STROKE LENGTH: 74"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: DIGL/SP/GR/CAL  
 SDL/DSN/GR

**FRAC JOB**

9/18/98 5540'-5636' **Frac CP sands as follows:**  
 RU BJ Services & frac CP sds w/112,971#  
 20/40 sd in 563 bbls Viking I-25 fluid.  
 Perfs broke dn @ 3683 psi, press increased  
 to 4000 psi w/reduced rate, then decreased  
 to 1500 psi when sd hit perfs. Treated @  
 ave press of 1400 psi w/ave rate of 29  
 BPM. ISIP: 1980 psi, 5 min: 1655 psi.  
 Flowback on 12/64 choke for 3-1/2 hrs &  
 died.

9/21/98 4923'-5011' **Frac B sands as follows:**  
 RU BJ Services & frac B sds w/121,040#  
 20/40 sd in 578 bbls Viking I-25 fluid.  
 Perfs broke dn @ 3181 psi. Treated @ ave  
 press of 1450 psi w/ave rate of 30 BPM.  
 ISIP: 1880 psi, 5 min: 1708 psi.  
 Flowback on 12/64 choke for 3 hrs & died.

9/23/98 4672'-4698' **Frac D sands as follows:**  
 RU BJ Services & frac D sds w/60,850#  
 20/40 sd in 321 bbls Viking I-25 fluid.  
 Perfs broke dn @ 3726 psi. Treated @ ave  
 press of 1700 psi w/ave rate of 26 BPM.  
 Cut sd @ blender @ .8# as pressure  
 increased rapidly. Flushed 1071 gal before  
 reaching max press w/7.2# sd on perfs.  
 ISIP: 3400 psi, 5 min: 1682 psi.  
 Flowback on 12/64 choke for 4 hrs & died.



**PERFORATION RECORD**

Date	Depth Range	Perforations	Holes
9/18/98	5540'-5544'	4 JSPF	16 holes
9/18/98	5567'-5573'	4 JSPF	24 holes
9/18/98	5629'-5632'	4 JSPF	12 holes
9/18/98	5634'-5636'	4 JSPF	8 holes
9/19/98	4923'-4930'	4 JSPF	28 holes
9/19/98	4962'-4966'	4 JSPF	16 holes
9/19/98	4992'-5003'	4 JSPF	44 holes
9/19/98	5006'-5011'	4 JSPF	20 holes
9/22/98	4672'-4678'	4 JSPF	24 holes
9/22/98	4680'-4683'	4 JSPF	12 holes
9/22/98	4696'-4698'	4 JSPF	8 holes

**Inland Resources Inc.**

Castle Draw #15-4-9-17

667 FSL 2137 FEL

SWSE Section 4-T9S-R17E

Duchesne Co, Utah

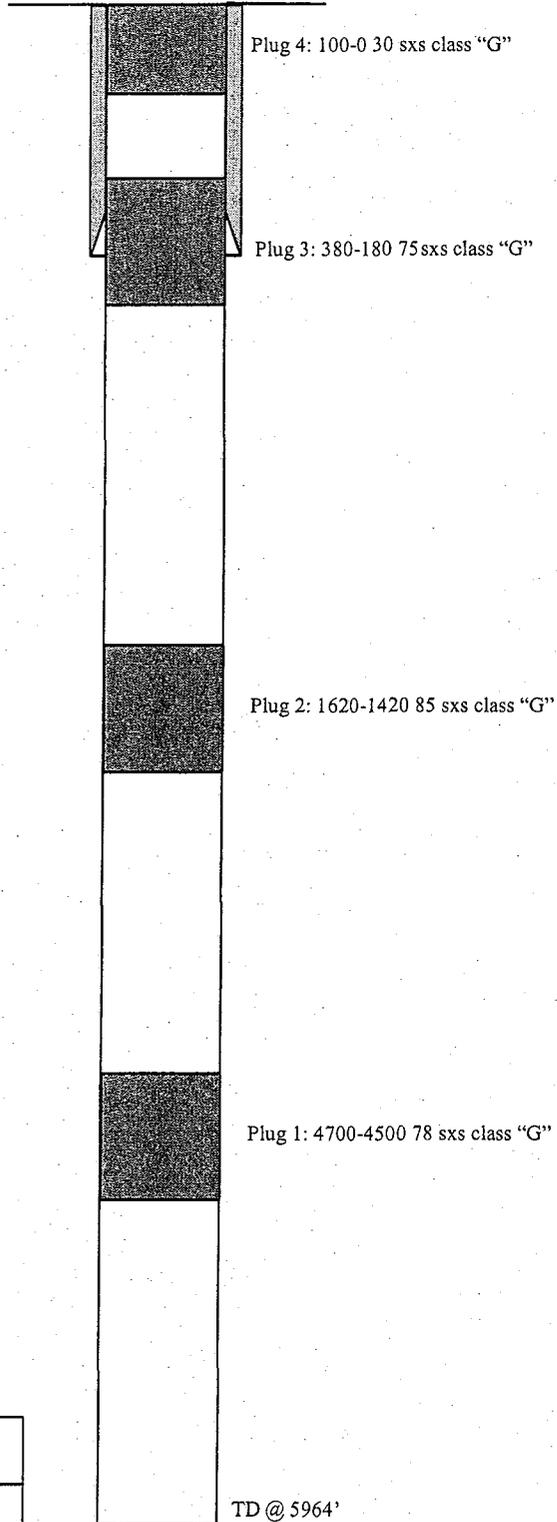
API #43-013-32083; Lease #

Attachment E-2  
Maxus Federal #24-4

P&A Diagram

GR: 5188'  
KB: 5202'

Spud Date : 10/16/87



	<b>Inland Resources Inc.</b>
<b>Maxus Federal #24-4</b>	
602 FSL 2065 FWL	
SESW Section 4-T9S-R17E	
Duchesne Co, Utah	
API #43-013-31194; U-7978	

# Attachment E-3

## Balcron Federal #44-4Y

Spud Date: 9-30-94  
 Put on Production: 12-13-94  
 GL: 5201.5' KB: ?

Initial Production: 20 BOPD, 0  
 MCFPD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 6 jts. (260.15')  
 DEPTH LANDED: 267'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sx Class "G", est ? Bbls cmt to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts.  
 DEPTH LANDED: 5849'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 261 sx Super G & 316 sx 50/50 Poz  
 CEMENT TOP AT: 1750' *CBC*

**TUBING**

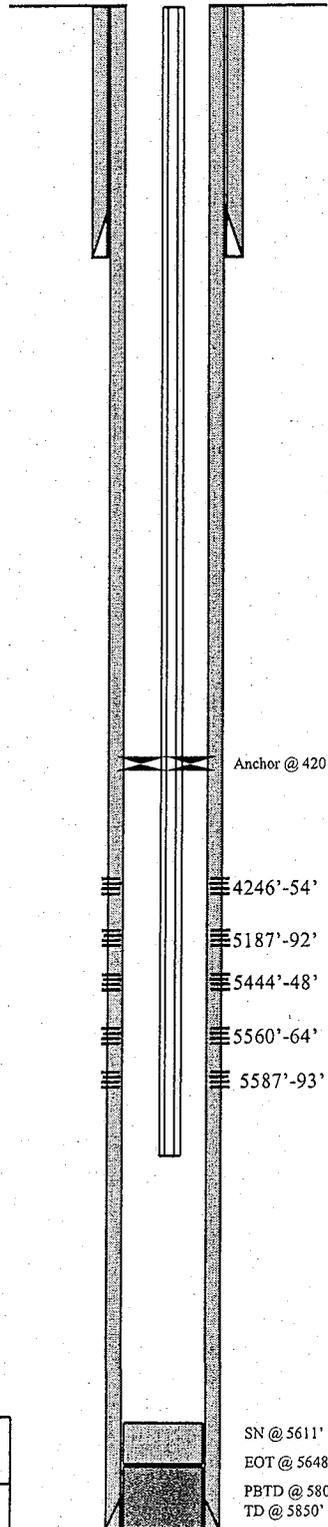
SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55  
 NO. OF JOINTS: 136 jts  
 TUBING ANCHOR: 4201'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5648'  
 SN LANDED AT: 5611'

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22'  
 SUCKER RODS: 222-3/4" plain  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 6 SPM  
 LOGS:

**FRAC JOB**

11-23-94 5444'-5593'  11-29-94 5187'-5194'  12-1-94 4246'-4254'	Frac sand as follows: 30,576 gals 2% KCL gelled water, 51,680# 20/40, and 40,540# 16/30 sand. Treated w/avg press of 1900 psi w/avg rate of 30.4 BPM. ISIP-1580 psi, 5 min 1410 psi.  Frac sand as follows: 11,382 gals 2% KCL gelled water and 21,340# 20/40 sand. Treated w/avg press of 3800 psi w/avg rate of 26 BPM. ISIP-not reported, 5 min 3050 psi. Screened out.  Frac sand as follows: 15,456 gals 2% KCL gelled water and 45,700# 16/30 sand. Treated w/avg press of 2400 psi w. avg rate of 31.5 BPM. ISIP-1880 psi, 5 min 1580 psi.
---	---



**PERFORATION RECORD**

Date	Interval	Tool	Holes
11-22-94	5444'-5448'	4 JSPP	16 holes
11-22-94	5560'-5564'	4 JSPP	16 holes
11-22-94	5587'-5593'	4 JSPP	24 holes
11-28-94	5187'-5192'	4 JSPP	20 holes
11-30-94	4246'-4254'	4 JSPP	32 holes

SN @ 5611'  
 EOT @ 5648'  
 PBTB @ 5808'  
 TD @ 5850'

**Inland Resources Inc.**

**Balcron Federal #44-4Y**

660 FSL 660 FEL

SESE Section 4-T9S-R17E

Duchesne Co, Utah

API #43-013-31452; Lease #U-65967

# Attachment E-4

## Castle Draw #1-9-9-17

Spud Date: 8/31/98  
 Put on Production: 10/1/98  
 GL: 5215' KB: 5225'

Initial Production: 77 BOPD;  
 75 MCFD; 1 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 8 jts. (306')  
 DEPTH LANDED: 316' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt, est 8 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 132 jts. (5706')  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 250 sxs modified mixed & 260 sxs class G  
 CEMENT TOP AT: ? *3704*  
 SET AT: 5715'

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 175 jts  
 TUBING ANCHOR: 5477'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: 5574'  
 SN LANDED AT: 5542'

**SUCKER RODS**

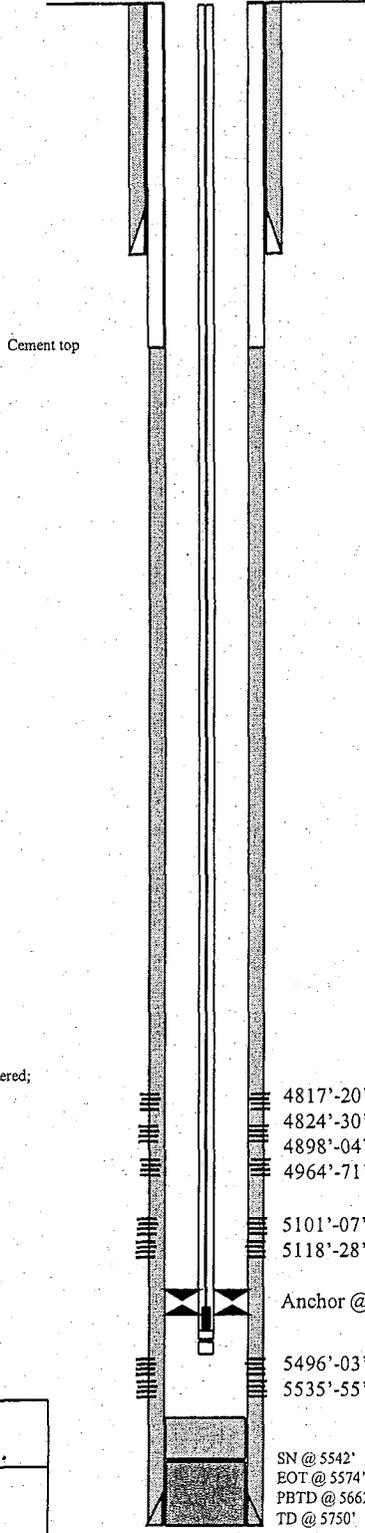
POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4-3/4" scapered; 117-3/4" plain; 96-3/4" scapered;  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC Pump  
 STROKE LENGTH: 70"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: DIGL/SP/GR/CAL  
 SDL/DSN/GR

**FRAC JOB**

9/12/98 5496'-5555' **Frac CP sands as follows:**  
 RU BJ Services & frac CP sds w/112,180#  
 20/40 sd in 563 bbls Viking I-25 fluid.  
 Perfs broke dn @ 3027 psi. Treated @ ave  
 press of 1000 psi w/ave rate of 27.6 BPM.  
 ISIP: 1700 psi, 5 min: 1597 psi.  
 Flowback on 12/64 choke for 2-1/2 hrs &  
 died.

9/22/98 5101'-5128' **Frac A sands as follows:**  
 RU BJ Services & frac A sds w/112,060#  
 20/40 sd in 480 bbls Viking I-25 fluid.  
 Perfs broke dn @ 3450 psi. Treated @ ave  
 press of 1700 psi w/ave rate of 26 BPM,  
 before screening out w/9# sd on perfs w/73  
 bbls left to flush. Est 91,714# sd in  
 formation, 20,346# sd left in csg. ISIP:  
 3100 psi, 5 min: 1330 psi. Flowback on  
 12/64 choke for 2-1/2 hrs & died.

9/28/98 4817'-4971' **Frac B/C sands as follows:**  
 RU BJ Services & frac B/C sds w/128,480#  
 20/40 sd in 599 bbls Viking I-25 fluid.  
 Perfs broke back @ 2977 psi @ 16 BPM.  
 Treated @ ave press of 1400 psi w/ave rate  
 of 36 BPM. ISIP: 1700 psi, 5 min: 1518  
 psi. Flowback on 12/64 choke for 3 hrs &  
 died.



**PERFORATION RECORD**

Date	Depth Range	Perforations
9/21/98	5496'-5503'	4 JSPF 28 holes
9/21/98	5535'-5555'	4 JSPF 80 holes
9/22/98	5101'-5107'	4 JSPF 24 holes
9/22/98	5118'-5128'	4 JSPF 40 holes
9/25/98	4817'-4820'	4 JSPF 12 holes
9/25/98	4824'-4830'	4 JSPF 24 holes
9/25/98	4898'-4904'	4 JSPF 24 holes
9/25/98	4964'-4971'	4 JSPF 28 holes

4817'-20'  
 4824'-30'  
 4898'-04'  
 4964'-71'  
 5101'-07'  
 5118'-28'  
 Anchor @ 5477'  
 5496'-03'  
 5535'-55'  
 SN @ 5542'  
 EOT @ 5574'  
 PBTD @ 5662'  
 TD @ 5750'

**Inland Resources Inc.**

**Castle Draw #1-9-9-17**

660 FEL 660 FNL

NENE Section 9-T9S-R17E

Duchesne Co, Utah

API #43-013-32071; Lease #

# Attachment E-5

## Federal #21-9H

Spud Date: 9-28-94  
 Put on Production: 11-18-94  
 GL: 5233' KB: 5247'

Initial Production: 53 BOPD, 0  
 MCPPD, 35 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: K-55  
 WEIGHT: 36#  
 LENGTH: 8 jts.  
 DEPTH LANDED: 350'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sx Class G, est ? bbls cmt to surface

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: L-80  
 WEIGHT: 17#  
 LENGTH: 141 jts.  
 DEPTH LANDED: 6125'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 300 sx Class G & 550 sx Class G  
 CEMENT TOP AT: 2770' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55  
 NO. OF JOINTS:  
 TUBING ANCHOR: 5579'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 TOTAL STRING LENGTH: EOT @ 5579'  
 SN LANDED AT: 5546'

### SUCKER RODS

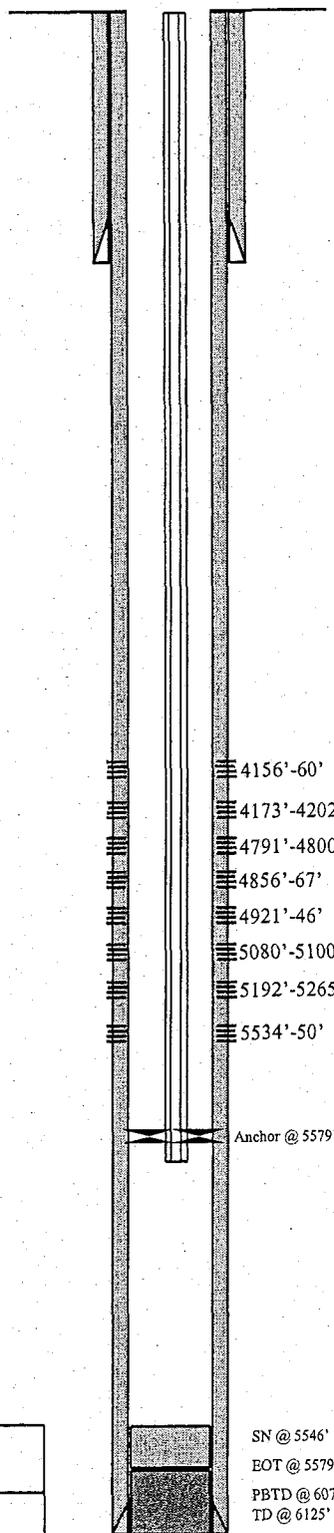
POLISHED ROD: 1-1/2" x 22'  
 SUCKER RODS: 93-7/8" D58, 116-3/4" D58 slick  
 PUMP SIZE: 2-1/2" x 1-3/4" x 12" x 17" RHAC  
 STROKE LENGTH: ?"  
 PUMP SPEED, SPM: ? SPM  
 LOGS:

### FRAC JOB

11-02-94	4156'-4202'	Frac sand as follows: 713 bbls Borate, 36,000# 16/30 sand. Perfs broke @ 2942 psi. Treated w/avg press of 2200 psi. ISIP-1854.
11-02-94	4791'-4946'	Frac sand as follows: 722 bbls Borate, 36,000# 16/30 sand. Perfs broke @ 2828 psi. ISIP-1950 psi.
11-01-94	5080'-5265'	Frac sand as follows: 722 bbls Borate, 43,380# 16/30 sand. Perfs broke @ 3197 psi. Treated w/avg press of 2000 psi w/avg rate of 40 BPM.
11-01-94	5534'-5550'	Frac sand as follows: 18,000 gals Borate, 32,030# 16/30 sand. Perfs broke @ 4000 psi. Treated w/avg press of 2000 psi w/avg rate of 40 BPM. ISIP-1380 psi.

### PERFORATION RECORD

10-29-94	5534'-5550'	2 JSPF	32 holes
11-01-94	5192'-5265'	1 JSP4F	19 holes
11-01-94	5080'-5100'	1 JSPF	21 holes
11-02-94	4921'-4946'	1 JSPF	13 holes
11-02-94	4856'-4867'	1 JSPF	12 holes
11-02-94	4791'-4800'	1 JSPF	10 holes
11-02-94	4173'-4202'	1 JSPF	30 holes
11-02-94	4156'-4160'	1 JSPF	5 holes



SN @ 5546'  
 EOT @ 5579'  
 PBT @ 6078'  
 TD @ 6125'

	<b>Inland Resources Inc.</b>
	<b>Federal #21-9H</b>
	660 FNL 1979 FWL
	NENW Section 9-T9S-R17E
	Duchesne Co, Utah
API #43-013-31458; Lease #U-50750	

# Attachment E-6 Federal #22-9H

Spud Date: 1-7-85  
Put on Production: 3-25-85  
GL: 5265' KB: 5277'

Initial Production: 157 BOPD,  
0 MCFPD, 0 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 9-5/8"  
GRADE: K-55  
WEIGHT: 24#  
LENGTH: ? jts.  
DEPTH LANDED: 269'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 165 sx Class G, est ? bbls cmt to surface

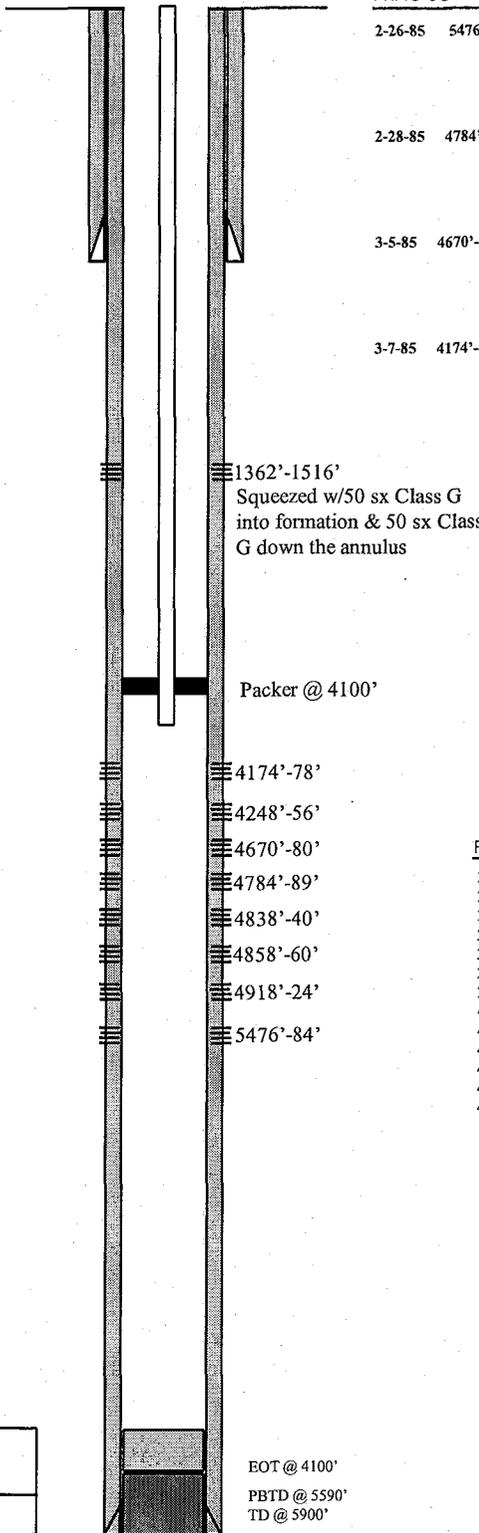
**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: L-80  
WEIGHT: 17#  
LENGTH: 135 jts. (5632')  
DEPTH LANDED: 5630'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 275 sx Lite & 450 sx 50/50 Poz  
CEMENT TOP AT: 1290' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / 6.5# / I-55  
NO. OF JOINTS: 172  
PACKER: 4100'  
SEATING NIPPLE:  
TOTAL STRING LENGTH: EOT @ 4100'  
SN LANDED AT:

*MO 5 7 40 70 80 2660*



**FRAC JOB**

2-26-85	5476'-5484'	Frac sand as follows: 904 bbl fluid, 62,000# 20/40 sand. Perfs broke @ 2600 psi. Treated w/avg press of 2010 psi w/avg rate of 20 BPM. ISIP-800 psi, 5 min 530 psi.
2-28-85	4784'-4924'	Frac sand as follows: 80,830 gal fluid, 167,000# 20/40 sand. Treated w/avg press of 2750 psi w/avg rate of 33 BPM. ISIP-1860 psi, 5 min 1700 psi.
3-5-85	4670'-4680'	Frac sand as follows: 1034 bbls fluid, 105,000# 20/40 sand. Perfs broke @ 3250 psi. Treated w/avg press of 3000 psi. ISIP-2230 psi, 5 min 2040 psi.
3-7-85	4174'-4256'	Frac sand as follows: 1203 bbls fluid, 130,000# 20/40 sand. Treated w/avg press of 2900 psi w/avg rate of 29 BPM.

**PERFORATION RECORD**

3-7-85	4174'-4178'	2 JSPF	9 holes
3-7-85	4248'-4256'	2 JSPF	17 holes
3-5-85	4670'-4680'	3 JSPF	31 holes
2-28-85	4784'-4789'	1 JSPF	6 holes
2-28-85	4838'-4840'	1 JSPF	3 holes
2-28-85	4858'-4860'	1 JSPF	3 holes
2-28-85	4918'-4924'	1 JSPF	7 holes
4-26-85	5476'-5484'	3 JSPF	25 holes
4-26-94	1362'-1370		
4-16-94	1405'-1421'		
4-16-94	1428'-1446'	4 JSPF	288 holes
4-16-94	1454'-1468'		
4-16-94	1502'-1516'		

EOT @ 4100'  
PBTD @ 5590'  
TD @ 5900'

**Inland Resources Inc.**

**Federal #22-9H**

1980 FNL 2007 FWL

SENW Section 9-T9S-R17E

Duchesne Co, Utah

API #43-013-31049; Lease #U-50750

# Attachment E-7

## Federal #33-9H

Spud Date: 10-14-86  
 Put on Production: 12-16-86  
 GL: 5223' KB: 5231'

Initial Production: 120 BOPD,  
 75 MCFPD, 20 BWPD

### SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: K-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (291.45')  
 DEPTH LANDED: 292'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 200 sx Class G, est 7 bbls cmt to surface

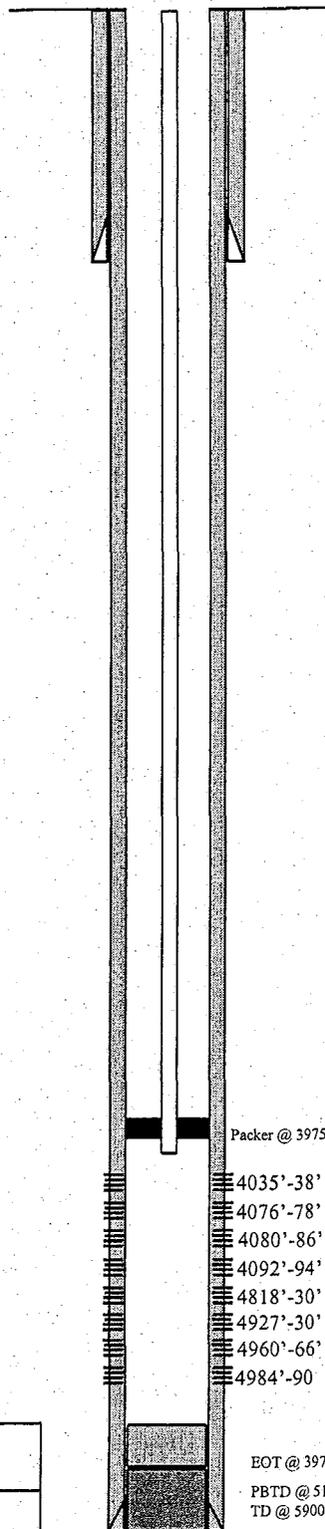
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: ?  
 DEPTH LANDED: 5149'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: ?  
 CEMENT TOP AT: 364' per CBL

### TUBING

SIZE/GRADE/WT.: 2-3/8" / 4.7# / J-55  
 NO. OF JOINTS: 131  
 PACKER: 3975'  
 SEATING NIPPLE:  
 TOTAL STRING LENGTH: EOT @ 3975'  
 SN LANDED AT:

Injection Well  
 Wellbore Diagram



### FRAC JOB

12-2-86	4035'-4094'	No information available,
2-16-95	4927'-4990'	Frac sand as follows: 20,000 gal Borate, 36,000# 16/30 sand. Treated w/avg press of 3900 psi w/avg rate of 19 BPM. ISIP-1900 psi.

### PERFORATION RECORD

12-2-95	4035'-4038'	4 JSPF	12 holes
12-2-95	4076'-4078'	4 JSPF	8 holes
12-2-95	4080'-4086'	4 JSPF	24 holes
12-2-95	4092'-4094'	4 JSPF	8 holes
2-15-95	4818'-4830'	3 JSPF	30 holes
2-15-95	4927'-4930'	2 JSPF	6 holes
2-15-95	4960'-4966'	2 JSPF	12 holes
2-15-95	4984'-4990'	2 JSPF	6 holes



**Inland Resources Inc.**

**Federal #33-9H**

1856 FEL 2125 FSL

NWSE Section 9-T9S-R17E

Duchesne Co, Utah

API #43-013-31108; Lease #U-61052

Packer @ 3975'

4035'-38'

4076'-78'

4080'-86'

4092'-94'

4818'-30'

4927'-30'

4960'-66'

4984'-90'

EOT @ 3975'

PBTD @ 5109'

TD @ 5900'

# UNICHEM

A Division of BJ Services

## Attachment F

P.O. Box 217  
Roosevelt, Utah 84066

Office (435) 722-5066  
Fax (435) 722-5727

### WATER ANALYSIS REPORT

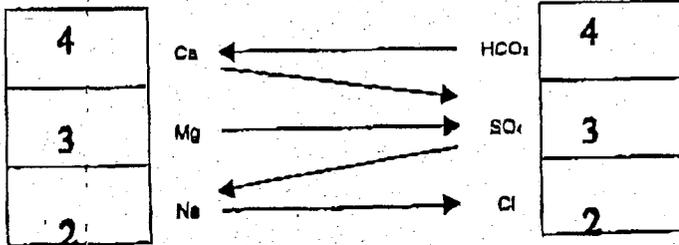
Company INLAND PRODUCTION Address \_\_\_\_\_ Date 1-27-00

Source JOHNSON Date Sampled 1-26-00 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.4</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>600</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u>	+ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>240</u>	+ 61 <u>4</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		OH <u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>71</u>	+ 35.5 <u>2</u> Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>130</u>	+ 48 <u>3</u> SO <sub>4</sub>
10. Calcium (Ca)		Ca <u>72</u>	+ 20 <u>4</u> Ca
11. Magnesium (Mg)		MG <u>41</u>	+ 12.2 <u>3</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>350</u>	
13. Total Iron (Fe)		<u>0.6</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equly. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>4</u>			<u>324</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19	<u>3</u>			<u>181</u>
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	64.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.46	<u>2</u>			<u>117</u>

Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
MgCO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_

Received Time Jan. 27. 5:28PM

435 722 5727

# UNICHEM

A Division of BJ Services

## Attachment F-1

P.O. Box 217  
Roosevelt, Utah 84066

Office (435) 722-5086  
Fax (435) 722-5727

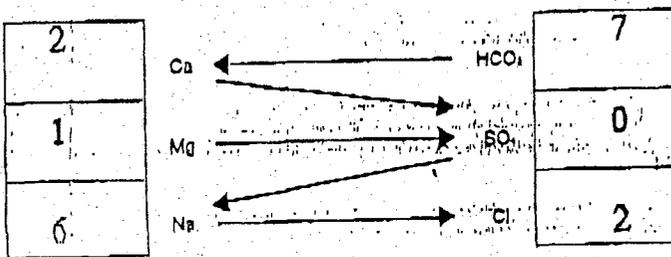
### WATER ANALYSIS REPORT

Company INLAND PRODUCTION Address \_\_\_\_\_ Date 8-25-99  
Source MBIF Date Sampled 8-25-99 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Mg/l
1. PH	<u>8.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>688</u>	
5. Alkalinity (CaCO <sub>3</sub> )		<u>0</u>	+ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		<u>430</u>	+ 61 <u>7</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		<u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)		<u>71</u>	+ 35.5 <u>2</u> Cl
9. Sulfates (SO <sub>4</sub> )		<u>0</u>	+ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)		<u>40</u>	+ 20 <u>2</u> Ca
11. Magnesium (Mg)		<u>12</u>	+ 12.2 <u>1</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>150</u>	
13. Total Iron (Fe)		<u>13</u>	
14. Manganese		<u>0</u>	
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Eqvly. Wt.	X	Mg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>1</u>			<u>73</u>
MgSO <sub>4</sub>	60.18				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	64.00	<u>4</u>			<u>336</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.48	<u>2</u>			<u>117</u>

Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
MgCO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_

# UNICHEM

A Division of BJ Services

Attachment F-2

P.O. Box 217  
Roosevelt, Utah 84066

Office (435) 722-5088  
Fax (435) 722-5727

## WATER ANALYSIS REPORT

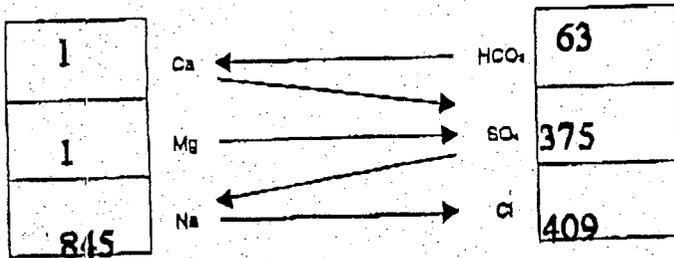
Company INLAND PRODUCTION Address \_\_\_\_\_ Date 1-27-00

Source 31-9H Date Sampled 1-26-00 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meq/l
1. PH	<u>10.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>30.0</u>		
3. Specific Gravity	<u>1.039</u>		
4. Dissolved Solids		<u>54,703</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>1,080</u>	+ 30 <u>36</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>1,650</u>	+ 61 <u>27</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		OH <u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>14,500</u>	+ 35.5 <u>409</u> Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>18,000</u>	+ 48 <u>375</u> SO <sub>4</sub>
10. Calcium (Ca)		Ca <u>24</u>	+ 20 <u>1</u> Ca
11. Magnesium (Mg)		Mg <u>14</u>	+ 12.2 <u>1</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>120</u>	
13. Total Iron (Fe)		<u>0.7</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
MgCO <sub>3</sub>	103 Mg/l

Compound	Eq. Wt.	X	Meq/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>1</u>			<u>81</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>1</u>			<u>73</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	64.00	<u>61</u>			<u>5,124</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>375</u>			<u>26,636</u>
NaCl	58.46	<u>409</u>			<u>23,910</u>

REMARKS \_\_\_\_\_

Received Time Jan. 27. 5:28PM

Attachment F-3

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND PRODUCTION CO  
LOCATION:  
SYSTEM:

1-27-2000

WATER DESCRIPTION:	JOHNSON WATER	31-9H
P-ALK AS PPM CaCO3	0	1804
M-ALK AS PPM CaCO3	394	2706
SULFATE AS PPM SO4	130	18000
CHLORIDE AS PPM Cl	71	14500
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	180	60
MAGNESIUM AS PPM CaCO3	169	58
SODIUM AS PPM Na	46	19435
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	600	54703
TEMP (DEG-F)	100	100
SYSTEM PH	7.4	10

WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND 31-9H

CONDITIONS: pH=8.7. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS JOHNSON WATER

% WATER 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.63	60	0	0	0
90	1.54	56	0	0	0
80	1.38	51	0	0	0
70	1.29	47	0	0	0
60	1.22	43	0	0	0
50	1.14	38	0	0	0
40	1.09	34	0	0	0
30	1.02	30	0	0	0
20	.96	26	0	0	0
10	.89	21	0	0	0
0	.82	17	0	0	0

**Attachment "G"**

**Federal #31-9H  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4418	4424	4421	2076	0.903	2065
4812	4834	4823	1905	0.828	1890
5075	5133	5104	2613	0.945	2587
5513	5520	5517	1721	0.745	1708
				<b>Minimum</b>	<u>1708</u>



Calculation of Maximum Surface Injection Pressure  
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Avg. Depth})) / \text{Avg. Depth}$

# Attachment G-1

HALLIBURTON

Well No. 31-9H Lease FEDERAL

Job Id 002850100750

ENERGY SERVICES

Customer ENSERCH EXPLORATION INC

Date 02-27-97

## JOB SUMMARY

Job Type FRAC JOBS

Operator CURTIS/COOK

## Job Information

CONTRACTOR: BASIN WELL SERVICE  
JOB PURPOSE: 08 FRAC JOBS  
JOB DESCRIPTION: 670 BORAGEL G 30/19.5  
PERFORMED THRU: CASING\_\_\_  
CALLED OUT: 02-27-97 4:00  
ON LOCATION: 02-27-97 6:30  
STARTED: 02-27-97 09:53  
COMPLETED: 02-27-97 10:18

"F2" Sand  
5513' - 5520'

## Well Information

OWNER NAME: ENSEARCH  
WELL TYPE: 001 Oil  
MUD TYPE:  
BOT HOLE TEMP: 135  
TOTAL DEPTH: 5800  
WELL CATEGORY: 001 Development  
MUD WEIGHT:  
BOT HOLE PSI: 3400  
PBSD: 5942

## Pressures in PSI

AVERAGE: 1620  
BREAKDOWN: 3300  
FLUSH: 1359  
ISIP: 1721  
10-MIN: 1420  
MAXIMUM: 3800  
FRAC GRADIENT: .75  
5-MIN: 1550  
15-MIN: 130

## Volumes

PREPAD: GAL  
LOAD & BKDN: 4290 GAL  
FLUSH: 5520 GAL  
PAD: 2500 GAL  
GAS ASSIST: TON  
F/BBL  
FOAM QUALITY: %  
TOTAL VOLUME: 13656 GAL  
PREPAD TYPE:  
TREATMENT: 5636 GAL  
TYPE: AT: SC  
TOTAL VOL FOAM: GAL

## Hydraulic Horsepower

ORDERED: 3000 AVAILABLE: 3000 USED: 834

## Average Rates in BPM

TREATING: 18.2 FLUSH: 17.9 OVERALL: 21.0

# Attachment G-2

HALLIBURTON

Well No. 31-9H Lease FEDERAL

Job Id 002850100755

ENERGY SERVICES

Customer ENSERCH EXPLORATION INC

Date 03-01-97

## JOB SUMMARY

Job Type FRAC JOBS

Operator COOK/BOWLES/GUI

## Job Information

CONTRACTOR: BASIN WELL SERVICE  
JOB PURPOSE: 08 FRAC JOBS  
JOB DESCRIPTION: BORA GEL G3019.5  
PERFORMED THRU:  
CALLED OUT: 03-01-97 04:00  
ON LOCATION: 03-01-97 07:00  
STARTED: 03-01-97 11:11  
COMPLETED: 03-01-97 11:36

"Ec" & "Ed" Sands  
5075' - 5133'

## Well Information

OWNER NAME: ENSERCH  
WELL TYPE: 001 Oil  
MUD TYPE:  
BOT HOLE TEMP: 130  
TOTAL DEPTH: 5800  
WELL CATEGORY: 001 Development  
MUD WEIGHT:  
BOT HOLE PSI: 3300  
PBTD: 5740

## Pressures in PSI

AVERAGE: 1900  
BREAKDOWN: 2790  
FLUSH: 2500  
ISIP: 2613  
10-MIN: 1762  
MAXIMUM: 2700  
FRAC GRADIENT: .95  
5-MIN: 2430  
15-MIN: 1666

## Volumes

PREPAD: GAL  
LOAD & BKDN: GAL  
FLUSH: 5070 GAL  
PAD: 3000 GAL  
GAS ASSIST: TON  
F/BBL  
FOAM QUALITY: %  
TOTAL VOLUME: 20603 GAL  
PREPAD TYPE:  
TREATMENT: 12544 GAL  
TYPE: AT: SC  
TOTAL VOL FOAM: GAL

## Hydraulic Horsepower

ORDERED: 3000 AVAILABLE: 3000 USED: 1267

## Average Rates in BPM

TREATING: 25.5 FLUSH: 26.1 OVERALL: 25.5

# Attachment G-3

<b>HALLIBURTON</b>	Well No. 31-9H	Lease FEDERAL	Job Id 002850100756
ENERGY SERVICES	Customer ENSERCH EXPLORATION INC.		Date 03-04-97
<b>JOB SUMMARY</b>	Job Type FRAC JOBS		Operator BROWN/HAMNER/GU

## Job Information

CONTRACTOR: BASIN WELL SERVICE  
JOB PURPOSE: 08 FRAC JOBS  
JOB DESCRIPTION: BORGEL 3010  
PERFORMED THRU:  
CALLED OUT: 03-04-97 03:00  
ON LOCATION: 03-04-97 06:00  
STARTED: 03-04-97 10:49  
COMPLETED: 03-04-97 11:19

"OC4" & "DC" Sands  
4812' - 4834'

## Well Information

OWNER NAME: ENSERCH	WELL CATEGORY: 001 Development
WELL TYPE: 001 Oil	MUD WEIGHT:
MUD TYPE:	BOT HOLE PSI: 1900
BOT HOLE TEMP: 128	PBTD:
TOTAL DEPTH: 5800	

## Pressures in PSI

AVERAGE: 2050	MAXIMUM: 2770
BREAKDOWN: 2770	
FLUSH: 1670	FRAC GRADIENT: .83
ISIP: 1905	5-MIN: 1797
10-MIN: 1756	15-MIN: 1720

## Volumes

PREPAD: 0.00 GAL	PREPAD TYPE:		
LOAD & BKDN: 2500 GAL	TREATMENT: 20000	GAL	
FLUSH: 4811 GAL			
PAD: 4500 GAL			
GAS ASSIST: TON	TYPE:	AT:	SC
F/BBL			
FOAM QUALITY: %	TOTAL VOL FOAM: 0.00	GAL	
TOTAL VOLUME: 25036 GAL			

## Hydraulic Horsepower

ORDERED: 3000	AVAILABLE: 3000	USED: 1367
---------------	-----------------	------------

## Average Rates in BPM

TREATING: 25	FLUSH: 26	OVERALL: 25
--------------	-----------	-------------

# Attachment G-4

HALLIBURTON

Well No. 31-9H

Lease FEDERAL

Job Id 0028501007

ENERGY SERVICES

Customer ENSERCH EXPLORATION INC

Date 03-07-97

JOB SUMMARY

Job Type FRAC JOBS

Operator GUINN/COOK

## Job Information

CONTRACTOR: BASIN WELL SERVICE  
JOB PURPOSE: 08 FRAC JOBS  
JOB DESCRIPTION: 670 BORAGEL 3019.5  
PERFORMED THRU:  
CALLED OUT: 03-07-97 03:00  
ON LOCATION: 03-07-97 06:00  
STARTED: 03-07-97 10:29  
COMPLETED: 03-07-97 11:03

"B" Sand  
4418' - 4424'

## Well Information

OWNER NAME: ENSERCH  
WELL TYPE: 001 Oil  
MUD TYPE:  
BOT HOLE TEMP: 120  
TOTAL DEPTH: 5800  
WELL CATEGORY: 001 Development  
MUD WEIGHT:  
BOT HOLE PSI: 3100  
PBSD: 5950

## Pressures in PSI

AVERAGE: 2000  
BREAKDOWN: 1475  
FLUSH: 2290  
ISIP: 2076  
10-MIN: 1803  
MAXIMUM: 2300  
FRAC GRADIENT: .90  
5-MIN: 1901  
15-MIN: 1736

## Volumes

PREPAD: GAL  
LOAD & BKDN: 980 GAL  
FLUSH: 4435 GAL  
PAD: 1500 GAL  
GAS ASSIST: TON  
FOAM QUALITY: %  
TOTAL VOLUME: 12115 GAL  
PREPAD TYPE: TREATMENT: 6178 GAL  
TYPE: TOTAL VOL FOAM AT: SC  
GAL

## Hydraulic Horsepower

ORDERED: 2000 AVAILABLE: 2000 USED: 911

## Average Rates in BPM

TREATING: 18 FLUSH: 18.2 OVERALL: 18

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 157' plug from 5413'-5570' with 45 sxs Class "G" cement.
2. Plug #2 Set 658' plug from 4712'-5370' with 86 sxs Class "G" cement.
3. Plug #3 Set 156' plug from 4318'-4474' with 28 sxs Class "G" cement.
4. Plug #4 Set 200' plug from 2000'-2200' with 25 sxs Class "G" cement.
5. Plug #5 Set 100' plug from 233'-333' with 15 sxs Class "G" cement. (50' on either side of casing shoe)
6. Plug #6 Set 50' plug from surface with 10 sxs Class "G" cement
7. Plug #7 Pump 50 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement to surface.

# Attachment H-1 Federal #31-9H

Spud Date: 1/6/97  
Put on Production: 3/11/97  
GL: 5241' KB: 5257'

Initial Production: 85 BOPD; ?  
MCFD; ? BWPD

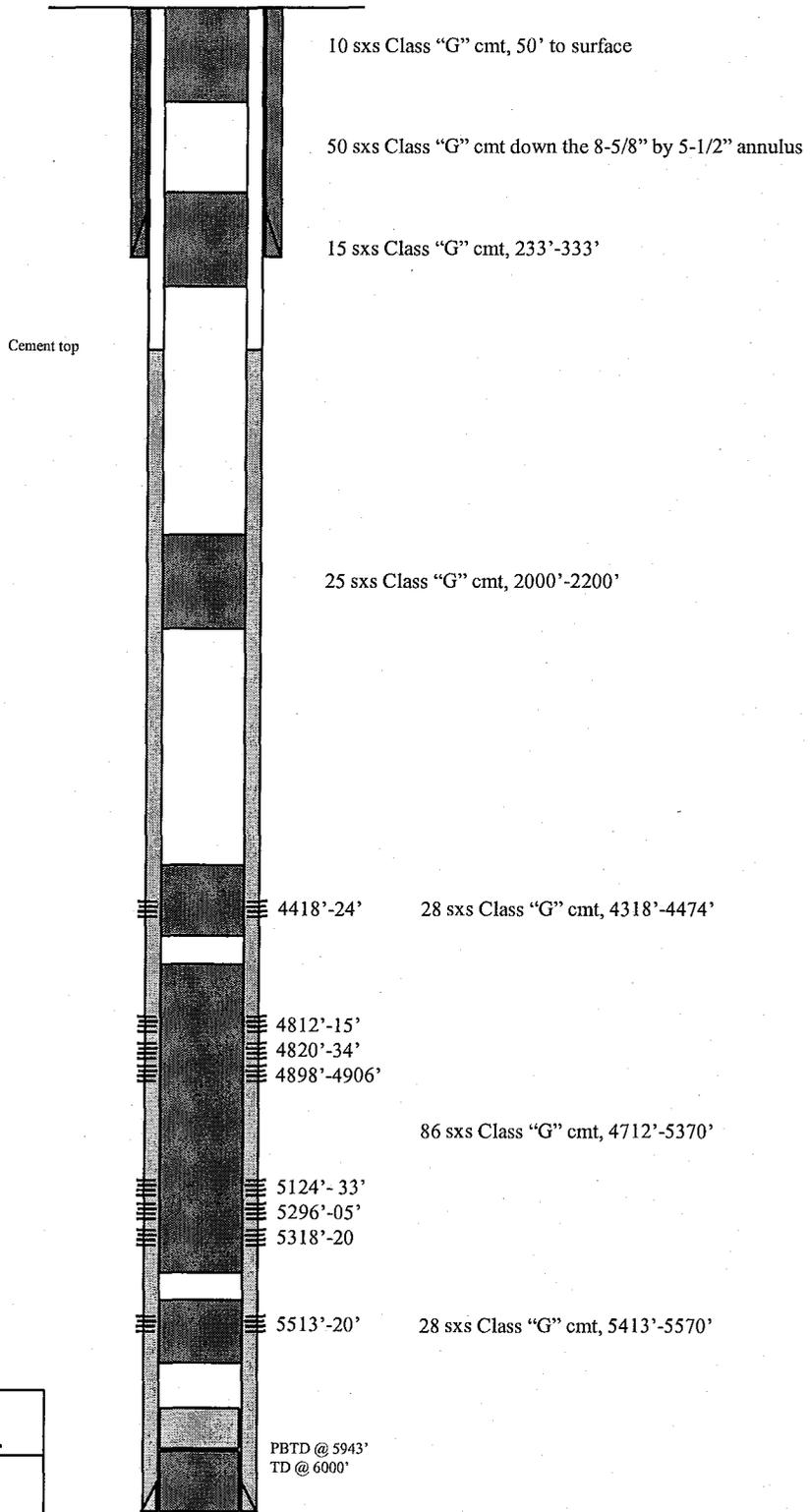
## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts.  
DEPTH LANDED: 283' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 290 sxs Premium cmt, est 8 bbls to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 143 jts.  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 320 sxs modified mixed & 340 sxs class G  
CEMENT TOP AT: ?  
SET AT: 6000'

Proposed P & A  
Diagram



**Inland Resources Inc.**

**Federal #31-9H**

768 FNL 1873 FEL

NWNE Section 9-T9S-R17E

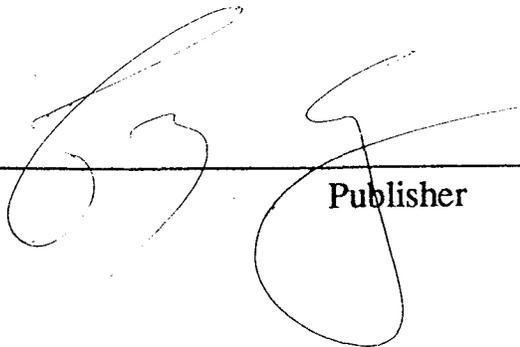
Duchesne Co, Utah

API #43-013-31107; Lease #U-75078

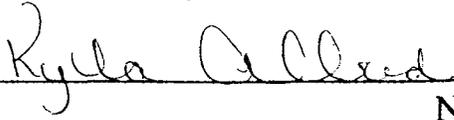
# AFFIDAVIT OF PUBLICATION

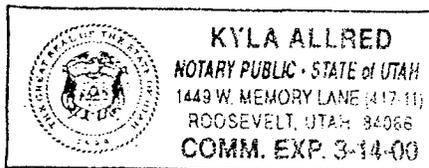
County of Duchesne,  
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 7 day of March, 2000, and that the last publication of such notice was in the issue of such newspaper dated the 7 day of March, 2000.

  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me this  
14 day of March, 2000

  
\_\_\_\_\_  
Notary Public



## NOTICE OF AGENCY ACTION

CAUSE NO. UIC-250  
IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE TAR SANDS FEDERAL 5-33, CASTLE DRAW 6-4 & 12-4, BALCRON MONUMENT FEDERAL 31-5 & THE FEDERAL 31-9H & 44-4Y WELLS, LOCATED IN SECTIONS 33, 4, 5 & 9, TOWNSHIP 8 SOUTH & 9 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS

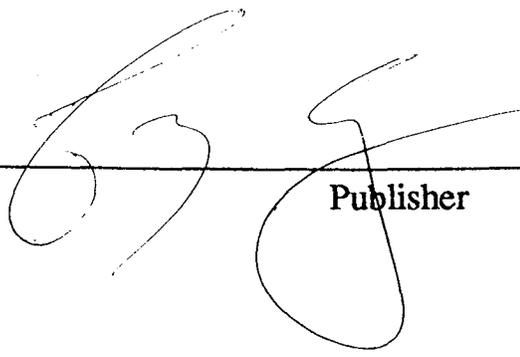
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 5-33, Castle Draw 6-4 & 12-4, Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells. Located in Sections 33, 4, 5 & 9, Township 8 South & 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland Production Company.

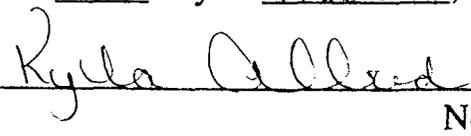
Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest

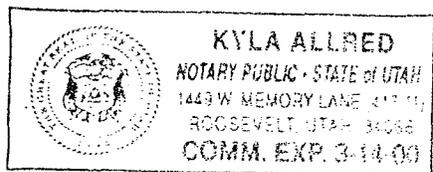
newspaper for 1 consecutive issues, and that the first publication was on the 7 day of March, 2000, and that the last publication of such notice was in the issue of such newspaper dated the 7 day of March, 2000.

  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me this

14 day of March, 2000

  
\_\_\_\_\_  
Notary Public



THE FEDERAL 31-9H & 44-4Y WELLS, LOCATED IN SECTIONS 33, 4, 5 & 9, TOWNSHIP 8 SOUTH & 9 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 5-33, Castle Draw 6-4 & 12-4, Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells. Located in Sections 33, 4, 5 & 9, Township 8 South & 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R. 649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 22<sup>nd</sup> day of February 2000.

STATE OF UTAH  
DIVISION OF OIL, GAS  
AND MINING

John R. Baza, Associate  
Director, Oil and Gas

Published in the Uintah  
Basin Standard March 7,  
2000.

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION : NOTICE OF AGENCY ACTION  
OF INLAND PRODUCTION COMPANY FOR :  
ADMINISTRATIVE APPROVAL OF THE : CAUSE NO. UIC-250  
TAR SANDS FEDERAL 5-33, CASTLE DRAW  
6-4 & 12-4, BALCRON MONUMENT FEDERAL  
31-5 & THE FEDERAL 31-9H & 44-4Y WELLS,  
LOCATED IN SECTIONS 33, 4, 5 & 9,  
TOWNSHIP 8 SOUTH & 9 SOUTH, RANGE 17  
EAST, S.L.M., DUCHESNE COUNTY, UTAH, :  
AS CLASS II INJECTION WELLS :

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 5-33, Castle Draw 6-4 & 12-4, Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells. Located in Sections 33, 4, 5 & 9, Township 8 South & 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well by well basis, based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 22nd day of February 2000.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING



John R. Baza  
Associate Director, Oil and Gas

**Inland Production Company  
Tar Sands Federal 5-33, Castle Draw 6-4& 12-4,  
Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells  
Cause No. UIC-250**

Publication Notices were sent to the following:

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
Denver, Colorado 80202

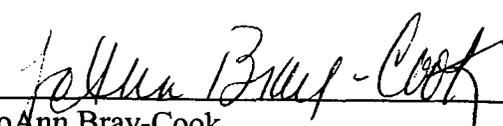
Newspaper Agency Corporation  
Legal Advertising  
P.O. Box 45838  
Salt Lake City, Utah 84145

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

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

U.S. Environmental Protection Agency  
Region VIII  
Attn: Dan Jackson  
999 18<sup>th</sup> Street  
Denver, Colorado 80202-2466

School & Institutional Trust Lands Administration  
Attn: Ed Bonner  
675 East 500 South  
Salt Lake City, Utah 84102

  
\_\_\_\_\_  
JoAnn Bray-Cook

Secretary

February 22, 2000



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

February 22, 2000

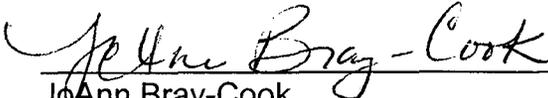
Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-250

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84114-5801.

Sincerely,

  
\_\_\_\_\_  
JoAnn Bray-Cook  
Secretary

Enclosure



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

February 22, 2000

Newspaper Agency Corporation  
Legal Advertising  
PO Box 45838  
Salt Lake City, Utah 84145

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-250

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, Salt Lake City, Utah 84114-5801.

Sincerely,

  
\_\_\_\_\_  
JoAnn Bray-Cook  
Secretary

Enclosure

143 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune  DESERET NEWS

CUSTOMER'S COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	D5385340L-07	03/03/00

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL4600KI6G1
SCHEDULE	
START 03/03/00 END 03/03/00	
CUST. REF. NO.	
UIC-247	
CAPTION	
BEFORE THE DIVISION OF OIL, GA	
SIZE	
116 LINES 2.00 COLUMN	
TIMES	RATE
1	1.16
MISC. CHARGES	AD CHARGES
.00	134.56
TOTAL COST	
134.56	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF THE TAR SANDS FEDERAL 5-33, CASTLE DRAW 6-4 & 12-4, BALCRON MONUMENT FEDERAL 31-5 & THE FEDERAL 31-9H & 44-4Y WELLS, LOCATED IN SECTIONS 33, 4, 5 & 9, TOWNSHIP 8 SOUTH & 9 SOUTH, RANGE 17 EAST, S.L.M., DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-250

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the Tar Sands Federal 5-33, Castle Draw 6-4 & 12-4, Balcron Monument Federal 31-5 and the Federal 31-9H & 44-4Y Wells. Located in Sections 33, 4, 5 & 9, Township 8 South & 9 South, Range 17 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure will be determined on a well-by-well basis, based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 22nd day of February 2000

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
/s/ John R. Baza  
Associate Director, Oil & Gas

4600KI6G

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS & MINING WAS PUBLISHED BY DIV OF OIL-GAS & MINING CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH

PUBLISHED ON START 03/03/00 END 03/03/00

SIGNATURE *James M. [Signature]*  
DATE 03/03/00

**THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT.**

2827 REC 6131 NIUAD01M GEDD

STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING  
 ENTITY ACTION FORM -FORM 6

OPERATOR: INLAND PRODUCTION COMPANY  
 ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	11679	12704	43-013-31452	Federal #44-4Y	SESE	4	9S	17E	Duchesne		3/1/2000
WELL 2 COMMENTS: Moved well to BlackJack Unit <i>000514 Entity Added.</i>											
	11987	12704	43-013-31680	Monument Federal #31-5	NWNE	5	9S	17E	Duchesne		3/1/2000
WELL 2 COMMENTS: Moved well to BlackJack Unit <i>000514 Entity Added.</i>											
D	12102	12704	43-013-31107	Pleasant Valley Fed #31R-9H	NWNE	9	9S	17E	Duchesne		3/1/2000
WELL 3 COMMENTS: Moved well to BlackJack Unit <i>000514 Entity Added.</i>											
D	12109	12704	43-013-31861	Tar Sands Federal #11-33	NESW	33	8S	17E	Duchesne		3/1/2000
WELL 4 COMMENTS: Moved well to BlackJack Unit <i>000514 Entity Added.</i>											
	12458	12704	43-013-31884	Tar Sands Federal #10-33	NWSE	33	8S	17E	Duchesne		3/1/2000
WELL 5 COMMENTS: Moved well to BlackJack Unit <i>000514 Entity Added.</i>											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

**RECEIVED**

MAY 11 2000

DIVISION OF  
 OIL, GAS AND MINING

*Kelvin S. Jones*  
 Signature  
 Production Clerk  
 Title  
 May 9, 2000  
 Date



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

July 19, 2000

Inland Production Company  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: Blackjack Unit Well: Federal 31-9H, Section 9, Township 9 South, Range 17 East,  
Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza".

John R. Baza  
Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**U-75078**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**CASTLE DRAW II**

8. Well Name and No.  
**FEDERAL 31R-9H (RE-ENTRY)**

9. APT Well No.  
**43-013-31107**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

*SUBMIT IN TRIPLICATE*

1. Type of Well

Oil Well  Gas Well  Other Injection Well

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**0768 FNL 1873 FEL NW/NE Section 9, T09S R17E**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

**TYPE OF ACTION**

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other \_\_\_\_\_

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The Subject well was converted from a producing to an injection well on 3/19/01. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4331'. On 3/20/01 Mr. Dan Jackson and Mr. Dave Hobo w/ EPA was contacted of the intent to conduct a MIT on the casing -tubing annulus. Permission was given to do MIT. On 3/20/01 the casing was pressured to 1100 psi with no loss of pressure charted in a 1/2 hour test. The well is shut-in and waiting on permission to inject.

**RECEIVED**  
MAR 24 2001  
DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct

Signed Krishna Russell Title Production Clerk Date 3/21/01  
Krisha Russell

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

**UNDERGROUND INJECTION CONTROL PERMIT**

Cause No. UIC-250

**Operator:** Inland Production Company  
**Well:** Federal 31-9H  
**Location:** Section 9, Township 9 South, Range 17 East  
**County:** Duchesne  
**API No.:** 43-013-31107  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 19, 2000.
2. Maximum Allowable Injection Pressure: 1708 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4418 feet - 5520 feet)

Approved by:

  
John R. Baza  
Associate Director, Oil And Gas

3/29/2001  
Date

cc: Dan Jackson Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**768 FNL 1873 FEL                      NW/NE Section 9, T09S R17E**

5. Lease Designation and Serial No.  
**U-75078**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**BLACK JACK**

8. Well Name and No.  
**FEDERAL 31R-9H-9-17**

9. API Well No.  
**43-013-31107**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UT**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Report of first injection</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The above referenced well was put on injection at 11:00 a.m. on 6/26/01.

14. I hereby certify that the foregoing is true and correct  
 Signed           *Merrilee Crozier*           Title           Permit Clerk           Date           6/26/01          

CC: UTAH DOGM  
 (This space for Federal or State office use)  
 Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

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.

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

<p><b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.</p> <p>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Injection Well</b></p> <p><b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b></p> <p><b>3. ADDRESS AND TELEPHONE NUMBER</b> <b>Rt. 3 Box 3630, Myton Utah 84052</b> <b>435-646-3721</b></p> <p><b>4. LOCATION OF WELL</b></p> <p>Footages <b>768 FNL 1873 FEL</b></p> <p>QQ, SEC, T, R, M: <b>NW/NE Section 9, T09S R17E</b></p>	<p><b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>U-75078</b></p> <p><b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b> <b>N/A</b></p> <p><b>7. UNIT AGREEMENT NAME</b> <b>BLACK JACK</b></p> <p><b>8. WELL NAME and NUMBER</b> <b>FEDERAL 31R-9H-9-17</b></p> <p><b>9. API NUMBER</b> <b>43-013-31107</b></p> <p><b>10. FIELD AND POOL, OR WILDCAT</b> <b>MONUMENT BUTTE</b></p> <p>COUNTY <b>DUCHESNE</b> STATE <b>UTAH</b></p>
---	--

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

<p><b>NOTICE OF INTENT:</b> (Submit in Duplicate)</p> <p><input type="checkbox"/> ABANDON                      <input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> REPAIR CASING                <input type="checkbox"/> PULL OR ALTER CASING</p> <p><input type="checkbox"/> CHANGE OF PLANS              <input type="checkbox"/> RECOMPLETE</p> <p><input type="checkbox"/> CONVERT TO INJECTION        <input type="checkbox"/> REPERFORATE</p> <p><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE   <input type="checkbox"/> VENT OR FLARE</p> <p><input type="checkbox"/> MULTIPLE COMPLETION        <input type="checkbox"/> WATER SHUT OFF</p> <p><input type="checkbox"/> OTHER _____</p>	<p><b>SUBSEQUENT REPORT OF:</b> (Submit Original Form Only)</p> <p><input type="checkbox"/> ABANDON*                      <input type="checkbox"/> NEW CONSTRUCTION</p> <p><input type="checkbox"/> REPAIR CASING                <input type="checkbox"/> PULL OR ALTER CASING</p> <p><input type="checkbox"/> CHANGE OF PLANS              <input type="checkbox"/> RECOMPLETE</p> <p><input type="checkbox"/> CONVERT TO INJECTION        <input type="checkbox"/> REPERFORATE</p> <p><input type="checkbox"/> FRACTURE TREAT OR ACIDIZE   <input type="checkbox"/> VENT OR FLARE</p> <p><input checked="" type="checkbox"/> OTHER                      <b>Step Rate Test</b></p> <p>DATE WORK COMPLETED _____</p> <p>Report results of Multiple Completion and Re Completions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</p> <p>*Must be accompanied by a cement verification report.</p>
---	---

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

A step rate test was conducted on the subject well on 12/4/01. Results from the test indicate that the fracture gradient is .659 psi/ft. Therefore, Inland is requesting that the MAIP be changed to 990 psi.

**13. NAME & SIGNATURE:** Michael Guinn TITLE District Engineer DATE 12/27/01

(This space for State use only)

**Approved by the**  
**Utah Division of**  
**Oil, Gas and Mining**

Date: 01-07-02

By: [Signature]

**COPY SENT TO OPERATOR**

Date: 1-7-02

Initials: CHD

RECEIVED

DEC 31 2001

DIVISION OF  
OIL, GAS AND MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU75078

**SUNDRY NOTICES AND REPORTS ON WELLS**

not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, c  
drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
BLACKJACK UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER Injection well

8. WELL NAME and NUMBER:  
FEDERAL 31R-9H

2. NAME OF OPERATOR:  
Inland Production Company

9. API NUMBER:  
4301331107

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
Monument Butte

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 0768 FNL 1873 FEL

COUNTY: Duchesne

QTR/TR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/NE, 9, T9S, R17E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION

TYPE OF SUBMISSION

TYPE OF ACTION

<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  <u>06/25/2004</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Step Rate Test
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on June 15,2004. Results from the test indicate that the fracture gradient is .702 psi/ft. Therefore, Inland is requesting that the maximum allowable injection pressure (MAIP) be changed to 1180 psi.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

NAME (PLEASE) Mike Guinn

TITLE Engineer

SIGNATURE

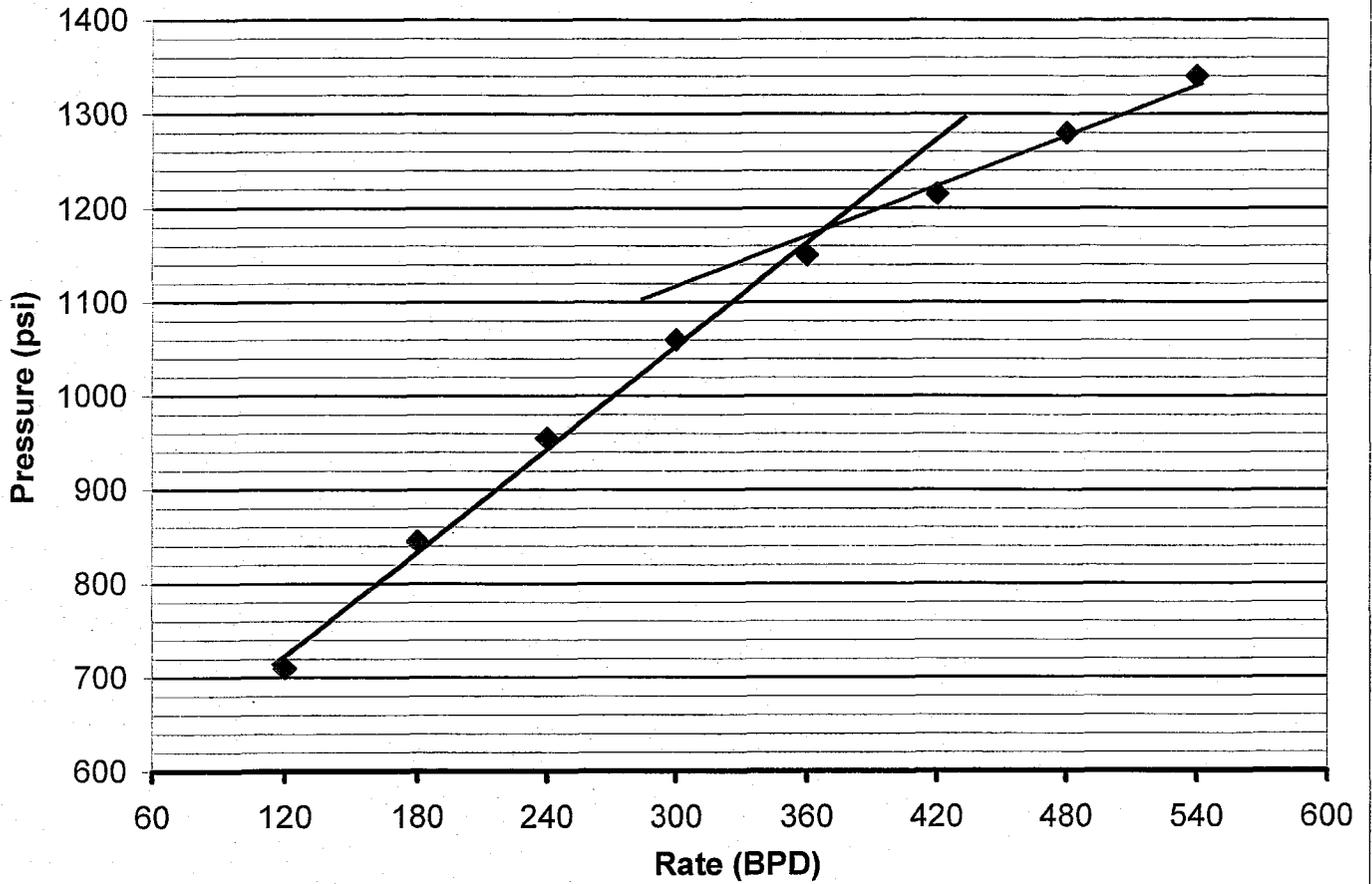


DATE June 25, 2004

(This space for State use only)

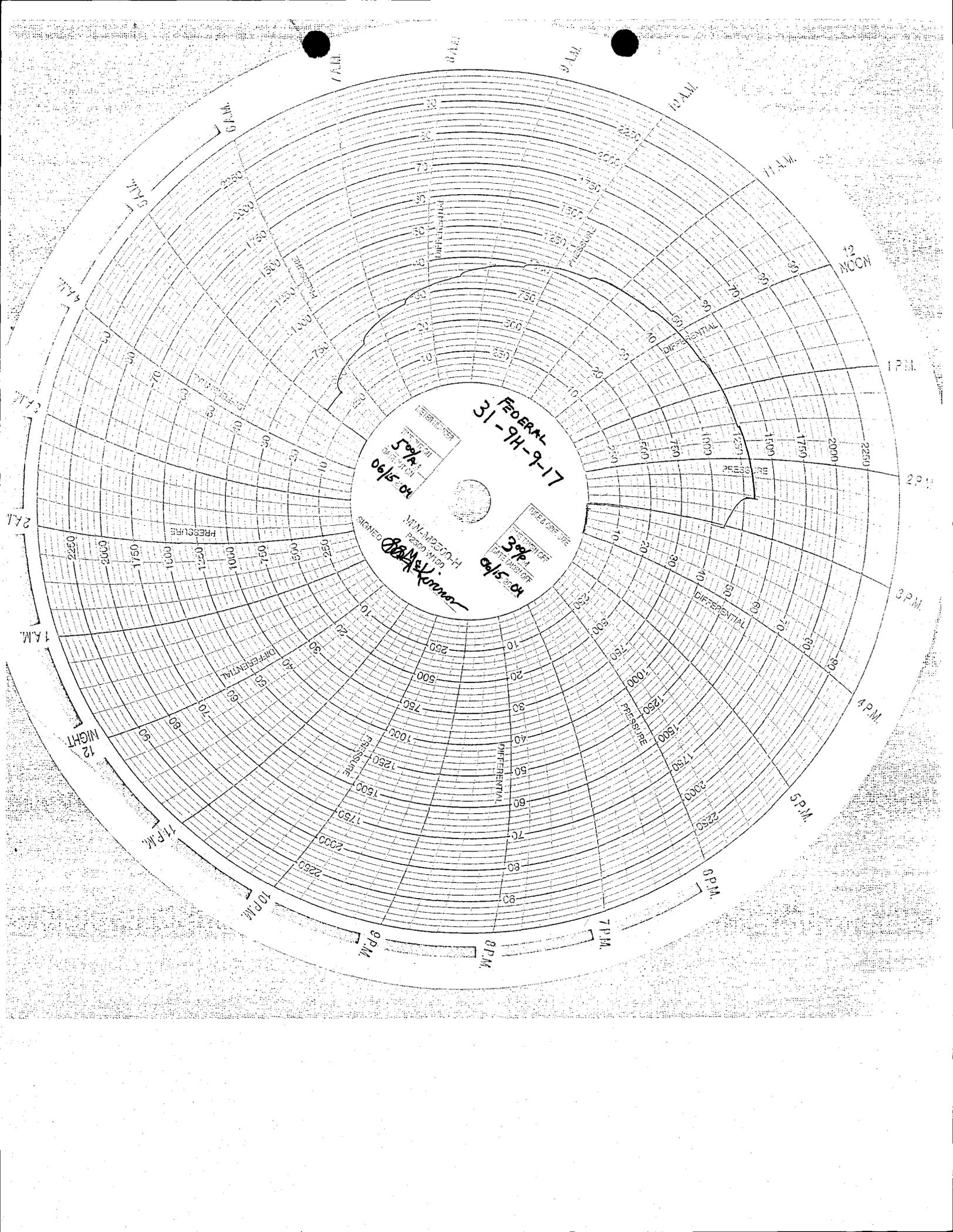
**RECEIVED  
JUN 29 2004  
DIV. OF OIL, GAS & MINING**

Federal 31-9H-9-17  
 Black Jack Unit  
 Step Rate Test  
 June 15, 2004



Start Pressure: 400 psi  
 Instantaneous Shut In Pressure (ISIP): 1280 psi  
 Top Perforation: 4418 feet  
 Fracture pressure (Pfp): 1180 psi  
 FG: 0.702 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	60	555
2	120	710
3	180	845
4	240	955
5	300	1060
6	360	1150
7	420	1215
8	480	1280
9	540	1340





# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

Corporations Section  
P.O.Box 13697  
Austin, Texas 78711-3697



Geoffrey S. Connor  
Secretary of State

## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

“ARTICLE ONE – The name of the corporation is Newfield Production Company.”

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number <u>See Attached List</u>		API Number
Location of Well		Field or Unit Name <u>See Attached List</u>
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

NEW OPERATOR

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone:	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Stewart* Approval Date: 9-20-04  
Title: Perk. Services Manager

Comments: Note: Indian Country wells will require EPA approval.

(6/2000)

RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING



6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

- 1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
- 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
- 3. Bond information entered in RBDMS on: 2/28/2005
- 4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
- 5. Injection Projects to new operator in RBDMS on: 2/28/2005
- 6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU75078
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: BLACKJACK UNIT
8. WELL NAME and NUMBER: FEDERAL 31R-9H
9. API NUMBER: 4301331107
10. FIELD AND POOL, OR WILDCAT: Monument Butte

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER  Injection well

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:      PHONE NUMBER  
Route 3 Box 3630      city Myton      STATE UT      ZIP 84052      435.646.3721

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 0768 FNL 1873 FEL      COUNTY: Duchesne

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NW/NE, 9, T9S, R17E      STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
	SubDate	TYPE OF ACTION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  03/14/2006	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 3/13/06 Nathan Wisner with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 3/14/06. On 3/14/06 the csg was pressured up to 1425 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 1160 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20876-04532 API# 43-013-31107

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

NAME (PLEASE PRINT) Callie Duncan      TITLE Production Clerk

SIGNATURE *Callie Duncan*      DATE 03/15/2006

(This space for State use only)

**RECEIVED**  
**MAR 17 2006**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 3 / 14 / 06  
 Test conducted by: Dale Giles  
 Others present: \_\_\_\_\_

Well Name: <u>Federal 31R-9H-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Blackjack Unit</u>		
Location: _____	Sec: <u>9</u> T <u>9</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>Duchesne</u> State: <u>UT</u>
Operator: <u>Newfield Production Co.</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1150</u>	PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: 57 bpd

Pre-test casing/tubing annulus pressure: 0 psig

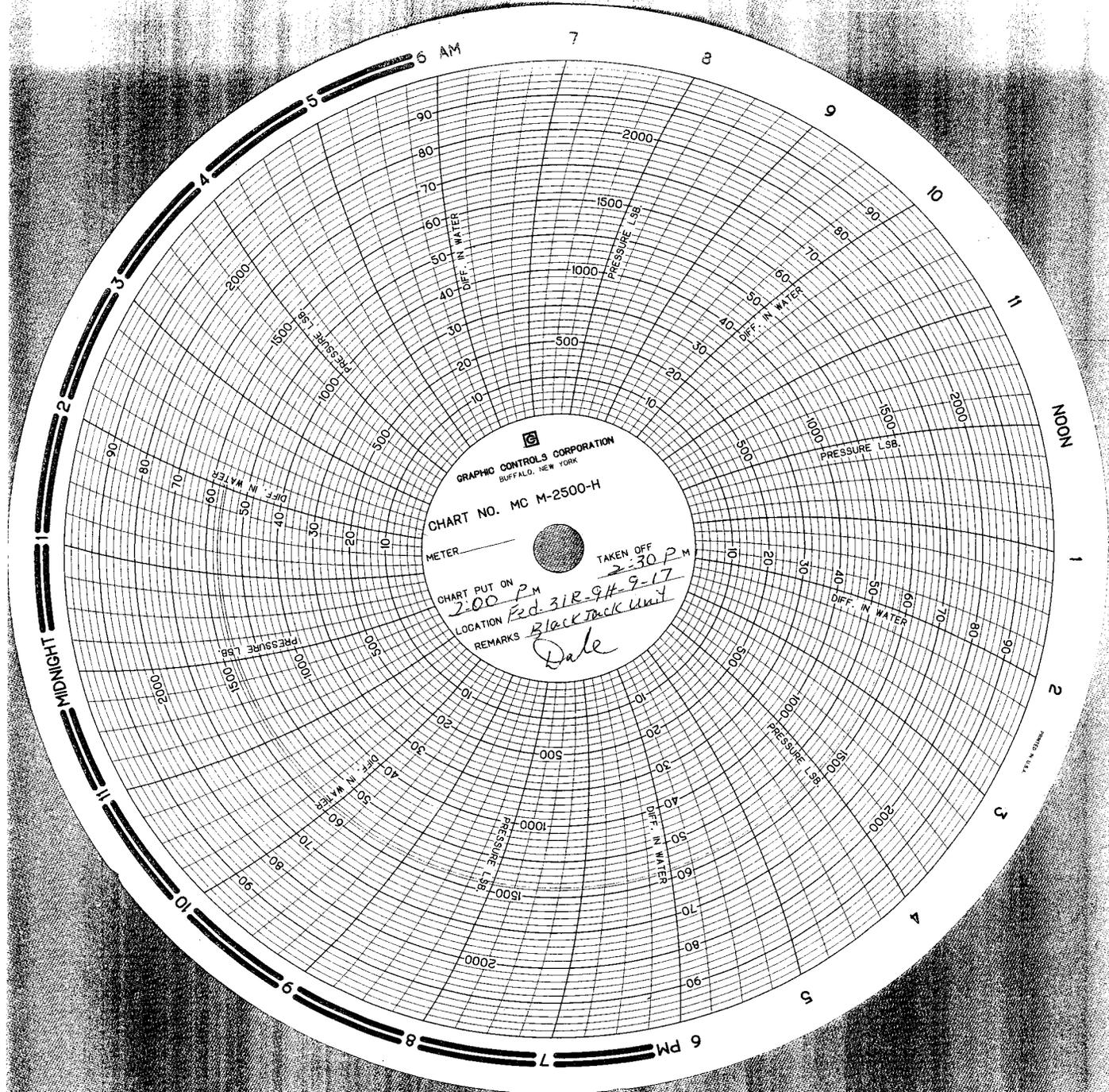
MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1160</u> psig	psig	psig
End of test pressure	<u>1160</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1425</u> psig	psig	psig
5 minutes	<u>1425</u> psig	psig	psig
10 minutes	<u>1425</u> psig	psig	psig
15 minutes	<u>1425</u> psig	psig	psig
20 minutes	<u>1425</u> psig	psig	psig
25 minutes	<u>1425</u> psig	psig	psig
30 minutes	<u>1425</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?     Yes     No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER \_\_\_\_\_ TAKEN OFF 2:30 P.M.  
CHART PUT ON 2:00 P.M.  
LOCATION Fed. 31R-9# 9-17  
REMARKS Black Duck Unit  
Date \_\_\_\_\_

175 & 614444

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <u>WI</u>		5. Lease Serial No. U-75078
2. Name of Operator NEWFIELD PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name.
3a. Address    Route 3 Box 3630 Myton, UT 84052	3b. Phone    (include are code) 435.646.3721	7. If Unit or CA/Agreement, Name and/or BLACKJACK UNIT
4. Location of Well    (Footage, Sec., T., R., M., or Survey Description) 768 FNL 1873 FEL NWNE Section 9 T9S R17E		8. Well Name and No. FEDERAL 31R-9H
		9. API Well No. 4301331107
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Step Rate Test _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A step rate test was conducted on the subject well on October 23, 2006. Results from the test indicate that the fracture gradient is .741 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1350 psi.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

**RECEIVED  
NOV 16 2006**

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed) Cheyenne Bateman	Title Well Analyst Foreman
Signature 	Date 11/14/2006

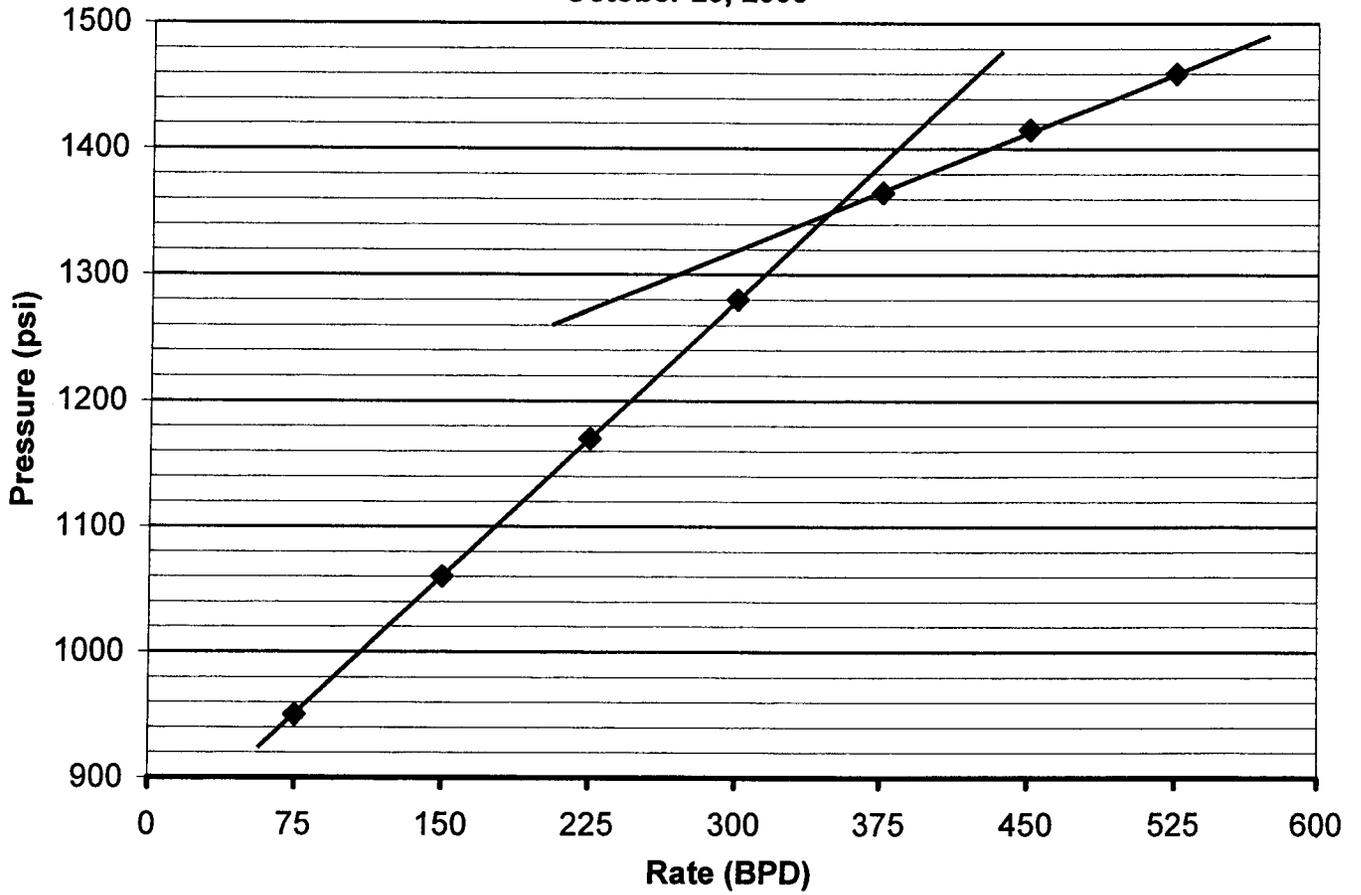
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

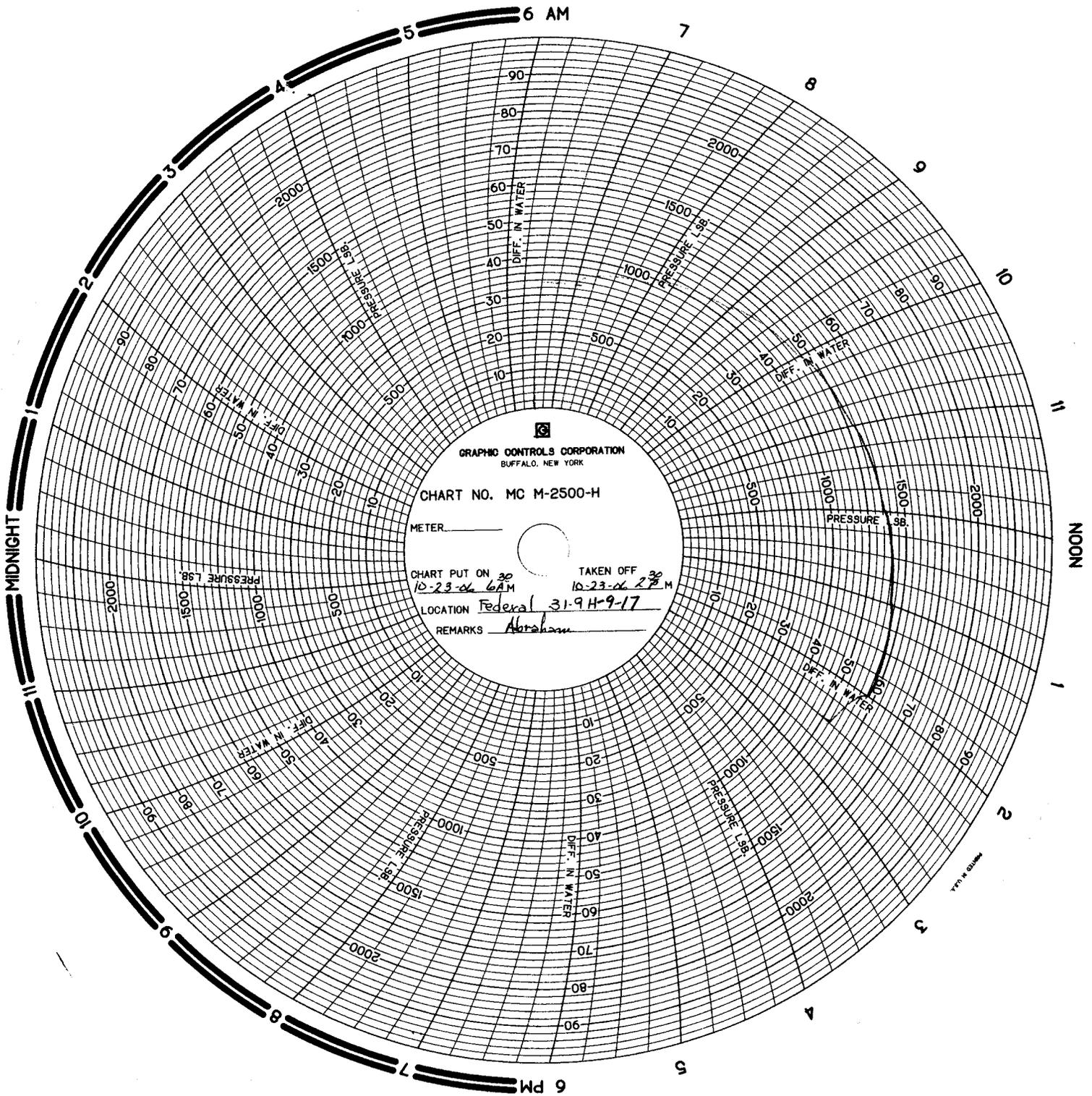
(Instructions on reverse)

Federal 31-9H-9-17  
 Blackjack Unit  
 Step Rate Test  
 October 23, 2006



Start Pressure: 840 psi  
 Instantaneous Shut In Pressure (ISIP): 1440 psi  
 Top Perforation: 4418 feet  
 Fracture pressure (Pfp): 1350 psi  
 FG: 0.741 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	75	950
2	150	1060
3	225	1170
4	300	1280
5	375	1365
6	450	1415
7	525	1460



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC M-2500-H

METER \_\_\_\_\_

CHART PUT ON 30 TAKEN OFF 30  
10-23-66 6AM 10-23-66 2PM

LOCATION Federal 319H-9-17

REMARKS Abraham

1711 H. DUNN

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-75078

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
FEDERAL 31R-9H

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331107

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 768 FNL 1873 FEL COUNTY: DUCHESNE  
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWN, 9, T9S, R17E STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 01/12/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
On 01/05/2011 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 01/12/2011 the casing was pressured up to 1610 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1278 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20876-04532 API# 43-013-31107

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant

SIGNATURE  DATE 01/14/2011

(This space for State use only)

**RECEIVED**  
**JAN 20 2011**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 1 / 12 / 11

Test conducted by: Eric L. Park

Others present: \_\_\_\_\_

Well Name: <u>Federal 31R-9H</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Moument Butte</u>		
Location: <u>NW/NE</u> Sec: <u>9</u> T <u>9</u> N <u>10</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Eric L. Park</u>		
Last MIT: _____ / _____ / _____		Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: \_\_\_\_\_ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1278</u> psig	psig	psig
End of test pressure	<u>1278</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1610</u> psig	psig	psig
5 minutes	<u>1610</u> psig	psig	psig
10 minutes	<u>1610</u> psig	psig	psig
15 minutes	<u>1610</u> psig	psig	psig
20 minutes	<u>1610</u> psig	psig	psig
25 minutes	<u>1610</u> psig	psig	psig
30 minutes	<u>1610</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test?     Yes     No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_

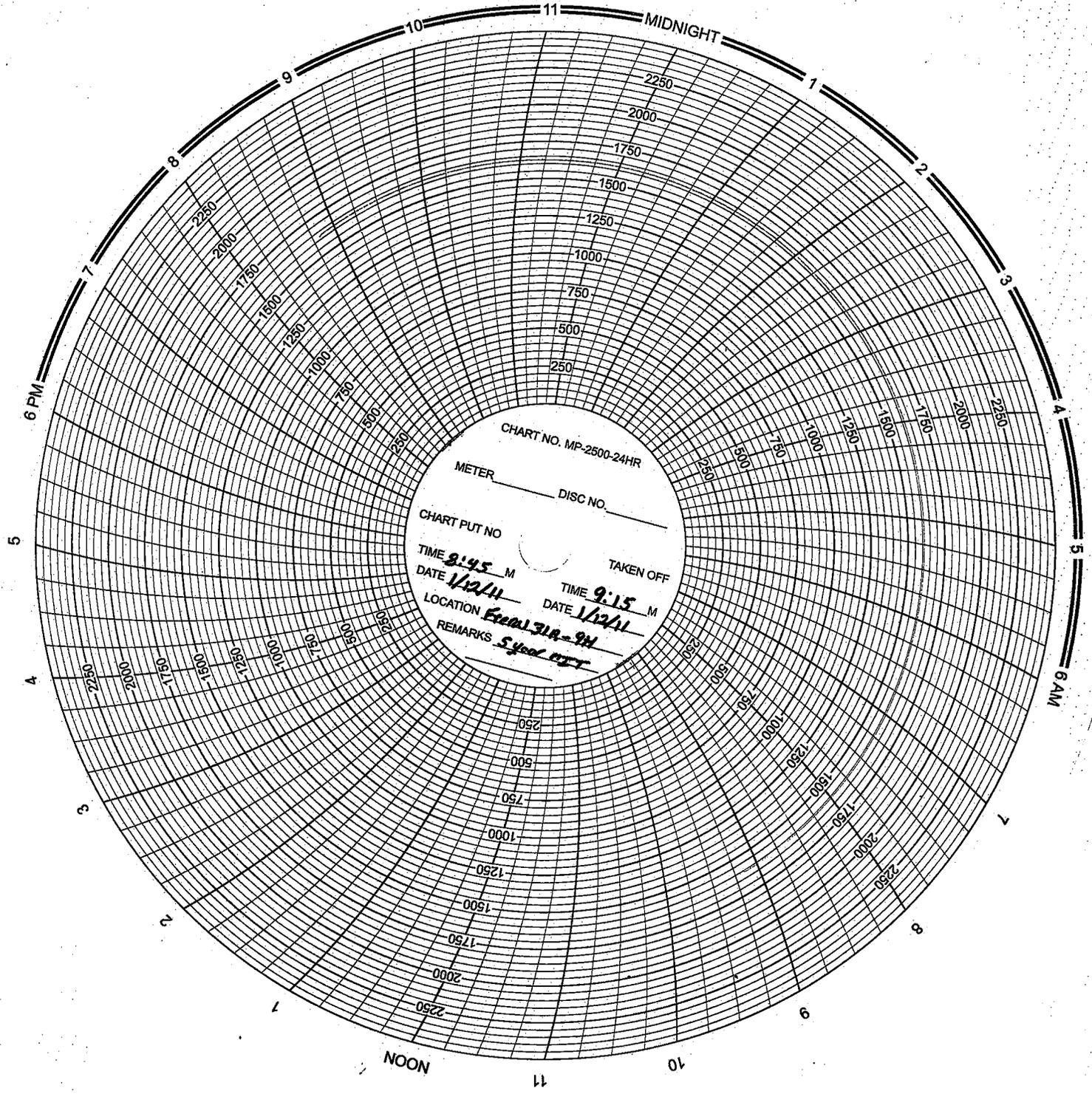


CHART NO. MP-2500-24HR  
METER \_\_\_\_\_ DISC NO. \_\_\_\_\_  
CHART PUT NO. \_\_\_\_\_  
TIME 9:45 M TAKEN OFF  
DATE 1/21/44 TIME 9:15 M  
LOCATION Front 31A-9H DATE 1/21/44  
REMARKS 5 year test

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-75078
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>8. WELL NAME and NUMBER:</b> FEDERAL 31R-9H
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>9. API NUMBER:</b> 4301331107000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0768 FNL 1873 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 09 Township: 09.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/30/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input checked="" type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="MIT"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed (tubing leak), attached is a daily status report. Workover MIT performed on the above listed well. On 08/30/2013 the csg was pressured up to 1275 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 650 psig during the test. There was not an EPA representative available to witness the test.  
EPA #UT22197-04532

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 17, 2013**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/10/2013	

## Mechanical Integrity Test

### Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 8 / 30 / 2013  
 Test conducted by: Brandon Curry  
 Others present: \_\_\_\_\_

Well Name: <u>Federal 31R-9H-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Greater Monument Butte</u>		
Location: <u>31R</u> Sec: <u>9H</u> T <u>9</u> N <u>(S)</u> R <u>17</u> E/W	County: <u>Duchesne</u>	State: <u>UT</u>
Operator: <u>Newfield Exploration</u>		
Last MIT: <u>  /  /  </u>	Maximum Allowable Pressure: <u>1415</u>	PSIG

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                 Yes     No  
 Well injecting during test?             Yes     No      If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0/660 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>650</u> psig	psig	psig
End of test pressure	<u>650</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1275</u> psig	psig	psig
5 minutes	<u>1275</u> psig	psig	psig
10 minutes	<u>1275</u> psig	psig	psig
15 minutes	<u>1275</u> psig	psig	psig
20 minutes	<u>1275</u> psig	psig	psig
25 minutes	<u>1275</u> psig	psig	psig
30 minutes	<u>1275</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test ?     Yes     No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_



## Daily Activity Report

Format For Sundry

**FEDERAL 31R-9H-9-17**

**6/1/2013 To 10/30/2013**

**8/27/2013 Day: 2**

**Tubing Leak**

NC #1 on 8/27/2013 - LD PKR, MU & RIH w/ scrapper, Start XO tbg string - Move NC1 From R-11-9-16: 5:30AM to 6:00AM c/travl; MIRUSU, SITP 275psi SICP 275psi, bleed down well flowed back 200BW, Hole remaining full, Remove Larkin WH, Release PKR, NU Weatherford BOP, RU workflow, Flushed tbg w/ 30BW @ 800psi, Atemped to PT tbg, RU sandline to seat Stnd Valv, was only able reach 1700', RU H/Oiler to tbg pmped 2BW pressured to 1200psi, RD sandline, POOH w/ tbg breaking collars applying liquid O-ring to pins & retorquing, LD jt #17 due to pin hole, Contin POOH located Stnd Valv in jt # 64, THICK SCALE ON INSIDE OF TBG, TIH w/ 21- jts (Were Scale Was Observed) Waiting to pmp acid in the morning, SWIFN? 4:30PM to 5:00PM c/travl - 5:30AM to 6:00AM c/travl: SITP 50psi SICP 750psi, OWU, RU H/Oiler to pmp down tbg held 1000psi, XO to pmp down csg pmped 10BW @ 1000psi, RD H/Oiler, Hole remaining full, POOH & LD PKR (CE rubbers completely gone), MU & RIH w/ RBS scrapper tagged fill @ 5671', RU H/Oiler to tbg pressured up to 1000psi, Talked to engineer decided to XO tbg string due to excess scale on inside of tbg wall, SD to have safety discussion w/ supervisors, Broke collars & applied liquid O-ring to pins on 65- jts, Waiting on tbg, SWIFN?6:00PM to 6:30PM c/travl - 5:30AM to 6:00AM c/travl: SITP 50psi SICP 750psi, OWU, RU H/Oiler to pmp down tbg held 1000psi, XO to pmp down csg pmped 10BW @ 1000psi, RD H/Oiler, Hole remaining full, POOH & LD PKR (CE rubbers completely gone), MU & RIH w/ RBS scrapper tagged fill @ 5671', RU H/Oiler to tbg pressured up to 1000psi, Talked to engineer decided to XO tbg string due to excess scale on inside of tbg wall, SD to have safety discussion w/ supervisors, Broke collars & applied liquid O-ring to pins on 65- jts, Waiting on tbg, SWIFN?6:00PM to 6:30PM c/travl - Move NC1 From R-11-9-16: 5:30AM to 6:00AM c/travl; MIRUSU, SITP 275psi SICP 275psi, bleed down well flowed back 200BW, Hole remaining full, Remove Larkin WH, Release PKR, NU Weatherford BOP, RU workflow, Flushed tbg w/ 30BW @ 800psi, Atemped to PT tbg, RU sandline to seat Stnd Valv, was only able reach 1700', RU H/Oiler to tbg pmped 2BW pressured to 1200psi, RD sandline, POOH w/ tbg breaking collars applying liquid O-ring to pins & retorquing, LD jt #17 due to pin hole, Contin POOH located Stnd Valv in jt # 64, THICK SCALE ON INSIDE OF TBG, TIH w/ 21- jts (Were Scale Was Observed) Waiting to pmp acid in the morning, SWIFN? 4:30PM to 5:00PM c/travl - 5:30AM to 6:00AM c/travl: SITP 50psi SICP 750psi, OWU, RU H/Oiler to pmp down tbg held 1000psi, XO to pmp down csg pmped 10BW @ 1000psi, RD H/Oiler, Hole remaining full, POOH & LD PKR (CE rubbers completely gone), MU & RIH w/ RBS scrapper tagged fill @ 5671', RU H/Oiler to tbg pressured up to 1000psi, Talked to engineer decided to XO tbg string due to excess scale on inside of tbg wall, SD to have safety discussion w/ supervisors, Broke collars & applied liquid O-ring to pins on 65- jts, Waiting on tbg, SWIFN?6:00PM to 6:30PM c/travl - Move NC1 From R-11-9-16: 5:30AM to 6:00AM c/travl; MIRUSU, SITP 275psi SICP 275psi, bleed down well flowed back 200BW, Hole remaining full, Remove Larkin WH, Release PKR, NU Weatherford BOP, RU workflow, Flushed tbg w/ 30BW @ 800psi, Atemped to PT tbg, RU sandline to seat Stnd Valv, was only able reach 1700', RU H/Oiler to tbg pmped 2BW pressured to 1200psi, RD sandline, POOH w/ tbg breaking collars applying liquid O-ring to pins & retorquing, LD jt #17 due to pin hole, Contin POOH located Stnd Valv in jt # 64, THICK SCALE ON INSIDE OF TBG, TIH w/ 21- jts (Were Scale Was Observed) Waiting to pmp acid in the morning, SWIFN? 4:30PM to 5:00PM c/travl - Move NC1 From R-11-9-16: 5:30AM to 6:00AM c/travl; MIRUSU, SITP 275psi SICP 275psi, bleed down well flowed back 200BW, Hole remaining full, Remove Larkin WH, Release PKR, NU Weatherford BOP, RU workflow, Flushed tbg w/ 30BW @ 800psi, Atemped to PT tbg, RU sandline to seat Stnd Valv, was only able reach 1700', RU H/Oiler to tbg pmped 2BW pressured to 1200psi, RD sandline, POOH w/ tbg breaking collars applying liquid O-ring to pins & retorquing, LD jt #17 due to pin hole, Contin POOH located Stnd Valv in jt # 64, THICK SCALE ON INSIDE OF TBG, TIH w/ 21- jts (Were

Scale Was Observed) Waiting to pmp acid in the morning, SWIFN? 4:30PM to 5:00PM c/travl - 5:30AM to 6:00AM c/travl: SITP 50psi SICP 750psi, OWU, RU H/Oiler to pmp down tbg held 1000psi, XO to pmp down csg pmped 10BW @ 1000psi, RD H/Oiler, Hole remaining full, POOH & LD PKR (CE rubbers completely gone), MU & RIH w/ RBS scrapper tagged fill @ 5671', RU H/Oiler to tbg pressured up to 1000psi, Talked to engineer decided to XO tbg string due to excess scale on inside of tbg wall, SD to have safety discussion w/ supervisors, Broke collars & applied liquid O-ring to pins on 65- jts, Waiting on tbg, SWIFN?6:00PM to 6:30PM c/travl

**Daily Cost:** \$0

**Cumulative Cost:** \$18,975

---

**8/28/2013 Day: 3**

**Tubing Leak**

NC #1 on 8/28/2013 - XO tbg, MU & RIH w/ PKR, PT tbg, GOOD TEST - 5:30AM to 6:00AM c/travl: SITP 650psi SICP 650psi, OWU, H/Oiler flushed tbg w/ 40BW, LD 79- Jts, PU 71- jts (NEW), POOH w/ 71- jts breaking collars & applying liquid O-ring, H/Oiler flushed tbg w/ 40BW, LD 56- jts, LD RBS scrapper, MU & RIH w/ Weatherford XN PKR (SN-1.10, On/Off tool-1.45', X seal nipple-.33', PKR-7.00', XO 2 3/8"-.51', 4' tbg sub, XN profile nipple-1.22', RE guide-.40' = 16.01'), TIH w/ 137- jts NEW (4320.24'), RU & RIH w/ sandline to seat stnd valv, Pmped 3BW to fill tbg, HB sand line, PT tbg to 3080psi @ 4:30PM, Observed pressure for 60min, No pressure loss GOOD TEST!!, Retrieved stnd valv, SWIFN....6:30PM to 7:00PM c/travl - 5:30AM to 6:00AM c/travl: SITP 650psi SICP 650psi, OWU, H/Oiler flushed tbg w/ 40BW, LD 79- Jts, PU 71- jts (NEW), POOH w/ 71- jts breaking collars & applying liquid O-ring, H/Oiler flushed tbg w/ 40BW, LD 56- jts, LD RBS scrapper, MU & RIH w/ Weatherford XN PKR (SN-1.10, On/Off tool-1.45', X seal nipple-.33', PKR-7.00', XO 2 3/8"-.51', 4' tbg sub, XN profile nipple-1.22', RE guide-.40' = 16.01'), TIH w/ 137- jts NEW (4320.24'), RU & RIH w/ sandline to seat stnd valv, Pmped 3BW to fill tbg, HB sand line, PT tbg to 3080psi @ 4:30PM, Observed pressure for 60min, No pressure loss GOOD TEST!!, Retrieved stnd valv, SWIFN....6:30PM to 7:00PM c/travl

**Daily Cost:** \$0

**Cumulative Cost:** \$27,827

---

**8/29/2013 Day: 3**

**Tubing Leak**

NC #1 on 8/29/2013 - ND BOP, Circulate well w/ pkr fluids, Set PKR, NU 3k Injection tree, PT Csg, RDMOSU - 5:30AM to 6:00AM c/travl: SITP 550psi SICP 550psi, OWU, RD workfloor, ND Weatherford BOP, MU 3K injection tree, H/ Oiler pmped 70BW down csg w/ PKR fluids, Set PKR CE @ 4342.42' w/ 1500# of tension, ND injection tree, 3BW to fill csg, PT Csg to 1600psi @ 10:30AM, Observed pressure, 30psi loss in 30min, 20psi loss in 30min, No pressure loss in 30min, GOOD TEST!!, Final 1550psi @ 12:00PM, RDMOSU @ 1:00PM.....FINAL RIG REPORT!.....READY FOR MIT - 5:30AM to 6:00AM c/travl: SITP 550psi SICP 550psi, OWU, RD workfloor, ND Weatherford BOP, MU 3K injection tree, H/ Oiler pmped 70BW down csg w/ PKR fluids, Set PKR CE @ 4342.42' w/ 1500# of tension, ND injection tree, 3BW to fill csg, PT Csg to 1600psi @ 10:30AM, Observed pressure, 30psi loss in 30min, 20psi loss in 30min, No pressure loss in 30min, GOOD TEST!!, Final 1550psi @ 12:00PM, RDMOSU @ 1:00PM.....FINAL RIG REPORT!.....READY FOR MIT

**Daily Cost:** \$0

**Cumulative Cost:** \$56,303

---

**9/3/2013 Day: 4**

**Tubing Leak**

Rigless on 9/3/2013 - Conduct MIT - Workover MIT performed on the above listed well. On 08/30/2013 the csg was pressured up to 1275 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 650 psig

during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04532 - Workover MIT performed on the above listed well. On 08/30/2013 the csg was pressured up to 1275 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 650 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04532 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$57,203

---

**Pertinent Files: Go to File List**

# Federal 31R-9H-9-17

Spud Date: 1/6/97  
 Put on Production: 3/11/97  
 GL: 5241' KB: 5257'

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts  
 DEPTH LANDED: 283' GL  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 290 sxs Premium cmt, est 8 bbls to surf.

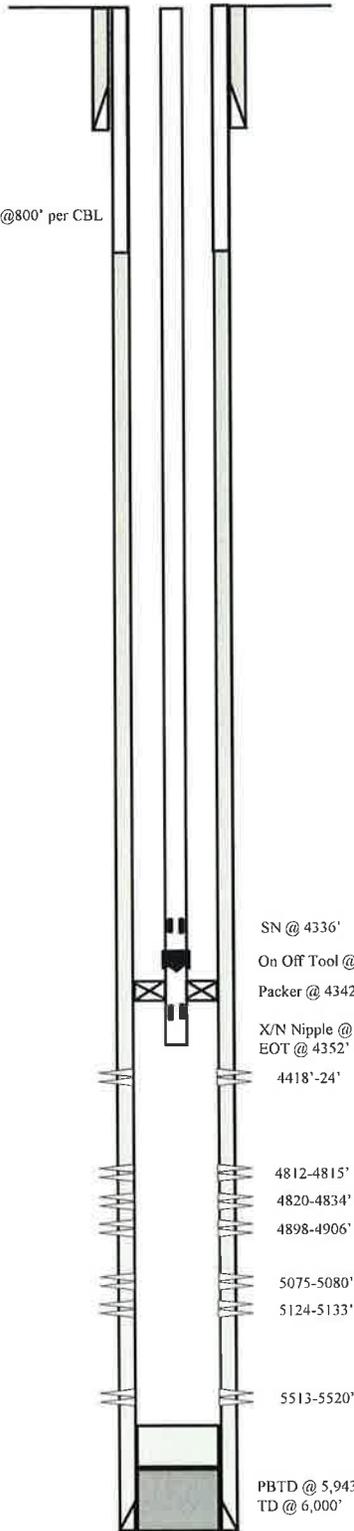
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts  
 HOLE SIZE: 7-7/8"  
 DEPTH LANDED: 6000'  
 CEMENT DATA: 320 sxs modified mixed & 340 sxs class G  
 CEMENT TOP AT 800' per CBL

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO OF JOINTS: 137 jts (4320.2')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4336.2' KB  
 ON/OFF TOOL AT: 4337.3'  
 X SEAL NIPPLE AT: 4338.8'  
 ARROW #1 PACKER CE AT: 4342.42'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4346.1'  
 TBG PUP 2-3/8 J-55 AT: 4346.6'  
 X/N NIPPLE AT: 4350.7'  
 TOTAL STRING LENGTH: EOT @ 4352.3'

TOC @800' per CBL



### FRAC JOB

3/7/97	4418'-4424'	46200# 20/40 sd in 288 bbls Boragel fluid. Perfs broke dn @ 1475 psi. Treated @ ave press of 2000 psi w/ave rate of 18 BPM. ISIP: 2076 psi, 5 min: 1901 psi. Flowback on 12/64 choke for ? hrs & died.
3/4/97	4812'-4834'	123000# 20/40 sd in 614 bbls Boragel fluid. Perfs broke dn @ 2770 psi. Treated @ ave press of 2050 psi w/ave rate of 25.5 BPM. ISIP: 1905 psi, 5 min: 1797 psi. Flowback on 12/64 choke for ? hrs & died.
3/1/97	5075'-5133'	84000# 20/40 sd in 491 bbls Boragel fluid. Perfs broke dn @ 2790 psi. Treated @ ave press of 1900 psi w/ave rate of 25.5 BPM. ISIP: 2613 psi, 5 min: 2430 psi. Flowback on 12/64 choke for ? hrs & died.
2/27/97	5513'-5520'	41800# 20/40 sd in 325 bbls Boragel fluid. Perfs broke dn @ 3300 psi. Treated @ ave press of 1620 psi w/ave rate of 18.2 BPM. ISIP: 1721 psi, 5 min: 1550 psi. Flowback on 12/64 choke for ? hrs & died.
3/19/01		Well converted to injection well. - MIT completed and submitted.
3/14/06		5 Year MIT completed and submitted.
8-28-08		Zone Stimulation. Updated tubing details.
08/30/13		Workover MIT completed -- tbg leak -- update tbg detail



**Federal 31-9H-9-17**  
 768 FNL 1873 FEL  
 NWNE Section 9-T9S-R17E  
 Duchesne Co, Utah  
 API #43-013-31107; Lease #U-75078



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

SEP 16 2013

RECEIVED  
SEP 19 2013

DIV. OF OIL, GAS & MINING

Ref: 8ENF-UFO

CERTIFIED MAIL 7009-3410-0000-2599-8072  
RETURN RECEIPT REQUESTED

9S 17E 9

Mr. J D Horrocks  
Newfield Exploration Company  
Route 3, Box 3630  
Myton, UT 84052

Re: Underground Injection Control (UIC)  
Permission to Resume Injection  
Federal 31R-9H-9-17 and Federal 1-26-8-17 Wells  
EPA Well ID UT22197-04532 and UT22197-04671  
API # 43-013-31107 and 43-047-31953  
Monument Butte and Boundary Fields  
Duchesne County, UT

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

Dear Mr. Horrocks:

On September 10, 2013, the Environmental Protection Agency (EPA) received information from Newfield Exploration Company on the above referenced wells concerning the workovers and the followup mechanical integrity tests (MIT) conducted on August 30, 2013, and September 3, 2013. The data submitted shows that the wells passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before August 30, 2018 for the 31R-9H-9-17 well and September 3, 2018 for the 1-26-8-17 well.

Pursuant to 40 C.F.R. §144.52(a)(6), if the wells are not used for a period of at least two (2) years ("temporary abandonment"), they shall be plugged and abandoned unless the EPA is notified and procedures are described to the EPA ensuring the wells will not endanger underground sources of drinking water ("non-endangerment demonstration") during continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years a well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by the EPA, as codified at 40 C.F.R. Part 22.

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056. Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,  
SEP 13 1998



Darcy O'Connor, Director  
UIC/FIFRA/OPA Technical Enforcement Programs

- cc: Gordon Howell, Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026
- Reannin Tapoof, Executive Assistant  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026
- Tony Small, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026
- Phillip Chimburas, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026
- Mike Natchees, Environmental  
Coordinator  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026
- Ronald Wopsock, Vice-Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026
- Stewart Pike, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026
- Bruce Ignacio, Councilman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026
- Manuel Myore, Director of Energy,  
Minerals and Air Programs  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026
- ✓ John Rogers  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114

