

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 MULTIPLE

2. NAME OF OPERATOR
 Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 500' FNL, 1900' FEL NW/NE S.L.B. & M.
 At proposed prod. zone

RECEIVED
 MAR 08 1989
 DIVISION OF
 OIL, GAS & MINING

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

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

16. NO. OF ACRES IN LEASE
 1243

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

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

19. PROPOSED DEPTH
 Green River 6500'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5713' GR

22. APPROX. DATE WORK WILL START*
 March 1989

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36	300'	To surface
7-7/8"	5-1/2"	15.5	TD	As required

- Attachments:
 Drilling Program
 Surface Use Plan
 Survey Plat
 Cut and Fill Diagram
 Topographic Maps
 Well Location Map

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 Michael L. Mcnican TITLE Petroleum Engineer DATE March 6, 1989
 789-4573

(This space for Federal or State office use)

PERMIT NO. 43-013-31228 APPROVAL DATE _____

APPROVED BY _____ TITLE _____

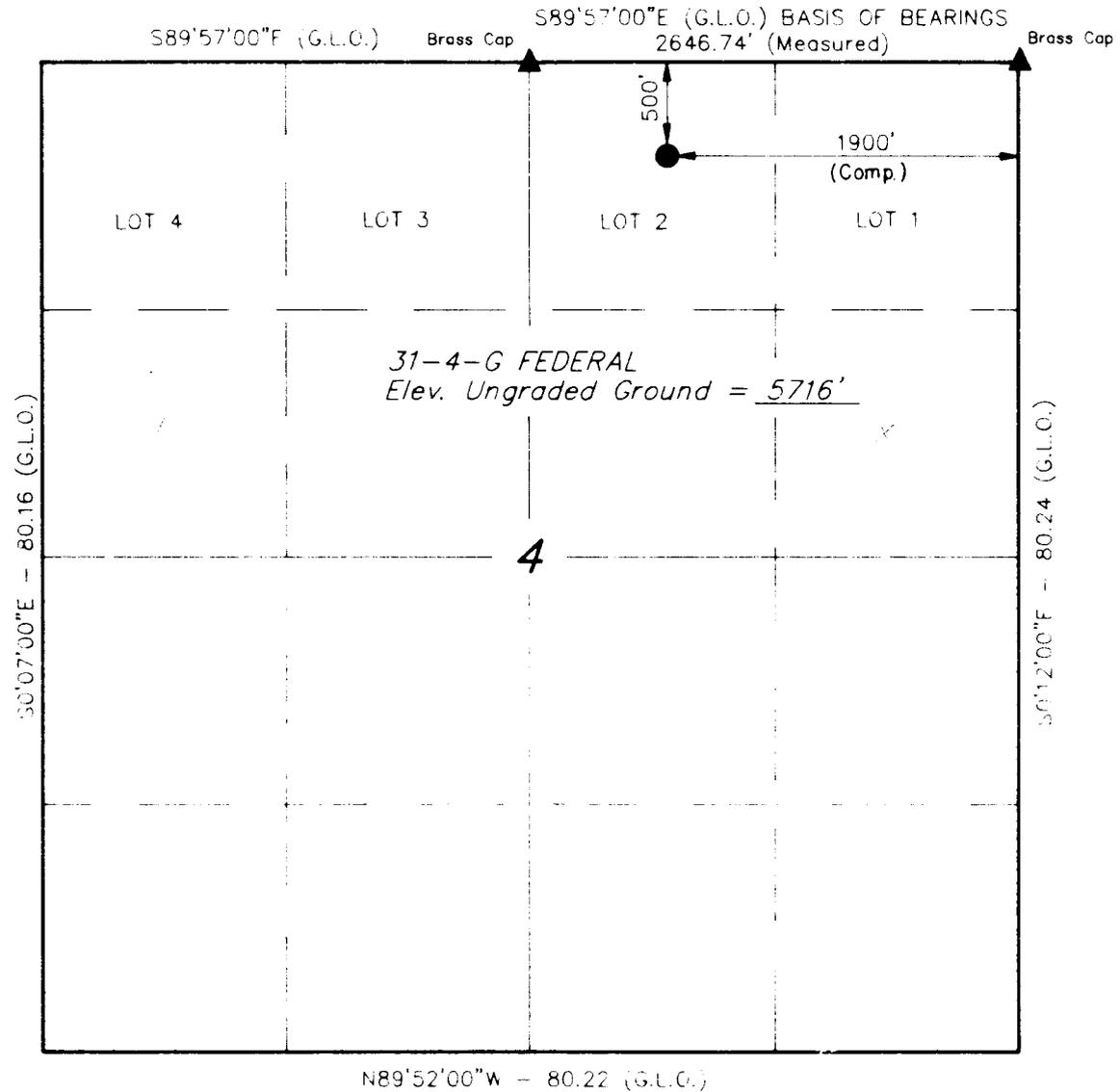
CONDITIONS OF APPROVAL, IF ANY: _____

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

DATE: 3-13-89
 BY: John R. Bays
 WELL SPACING: R66-3-2

*See Instructions On Reverse Side

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



NGC ENERGY CO.

Well location, 31-4-G FEDERAL, located as shown in LOT 2 (NW 1/4 NE 1/4) of Section 4, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION ON THE NE CORNER OF SECTION 4, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE 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 5677 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.

R. L. K. D. A.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-6-89
PARTY R.L.K. D.A. J.T.K.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE N.G.C.

▲ = SECTION CORNERS LOCATED.

DRILLING PROGRAM

Company Natural Gas Corporation of California Well No. 31-4-G

Location Section 4 T. 9S R. 16E Lease No. U-30096

Onsite Inspection Date 3/1/89

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. Surface Formation and Estimated Formation Tops:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Uintah	Surface	+5713'
Green River	1756'	+3957'
Douglas Creek Marker	4905'	+ 808'
TD	6500'	- 787'

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 River	4200' - 6300'
Expected gas zones:	None	
Expected water zones:	None	
Expected mineral zones:	Oil Shale	Top @ 1756'

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 surface casing. The BOP system including the casing will be pressure tested to a minimum of 2500 psi for 15 minutes prior to drilling and will be mechanically checked daily during drilling operations.

BOPE and testing procedures 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>Csg Size</u>	<u>Wt/Ft</u>	<u>Grade</u>	<u>Threads</u>	<u>New/Used</u>	<u>Depth</u>
12-1/4"	9-5/8"	36#	K-55	STC	New	300'
7-7/8"	5-1/2"	15.5#	K-55	LTC	New	TD

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, 2 1/2" choke manifold, and pit level indicator.

5. Mud Program and Circulating Medium:

<u>Interval</u>	<u>Mud Weight</u> <u>lbs./gal.</u>	<u>Viscosity</u> <u>Sec./Qt.</u>	<u>Fluid Loss</u> <u>ML/30 mins.</u>	<u>Mud Type</u>
0' - 300'	---	---	---	Air
300' - TD	8.4	27	NC	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: As warranted.
- b. Coring: None.
- c. Sampling: 10' intervals 3500' to TD.
- d. Logging:

<u>Type</u>	<u>Depth</u>
DIL/SFL/SP/GR	TD - Surface casing
FDC/CNL/GR/CAL	TD - Surface casing

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 pressures and temperatures are expected. No hazardous gases are expected. Expected bottom hole pressure is 2475 psig.

8. Anticipated Starting Dates and Notifications of Operations:

Location construction: March, 1989
Spud Date: March, 1989

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 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, 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 the reserve pit for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, gas may be vented/flared during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever comes first. An application will be filed with the District Engineer, and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

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

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

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

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

9. Other Information

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

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

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

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

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

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.

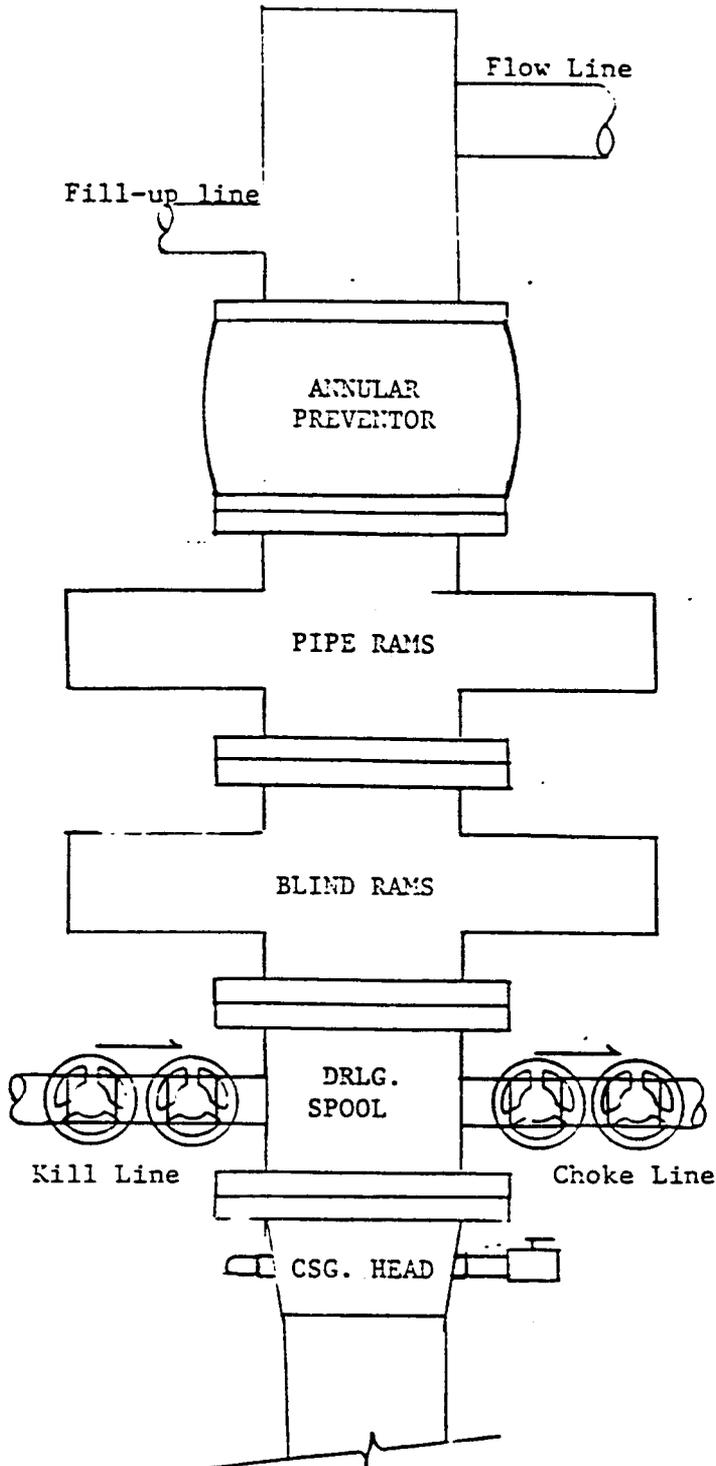
"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

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".

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.

If operator fails to comply with this requirement in the manner and time allowed, operator 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 (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)).

BOP and Pressure Containment Data
NGC #31-4-G Federal
NW/NE Sec. 4, T9S, R16E
Duchesne County, Utah



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 w/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 2500# 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.

Surface Use Plan

Natural Gas Corporation of California

NGC #31-4-G Federal

Sec. 4, T9S, R16E, S.L.B.& M.

Duchesne County, Utah

Onsite Date

3/1/89

SURFACE USE PLAN - #31-4-G

1. Existing Roads:

See attached topographic map "A".

To reach the NGC #31-4-G Federal located in Section 4, T9S, R16E, S.L.B.& M., Duchesne County, Utah:

Travel southwesterly from Myton, Utah on Highway 40 for 1.5 miles. Turn south on State Highway 53 for two miles to County Road 216. Follow County Road 216 for 4.5 miles to the BLM cattleguard. Turn right and proceed 4.5 miles. Turn left for 0.15 miles to the location access road. Follow the access road for 200' to the location.

2. Planned Access Road:

See attached topographic map "B".

The proposed access road will be constructed to the following standards:

- A. Length - 200'.
- B. Width - 30 foot right-of-way with 18 foot running surface maximum.
- C. Maximum grades - 1%.
- D. Turnouts - None.
- E. Drainage design - Borrow ditches.
- F. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - None.
- G. Surfacing materials (source) - Native materials from location and access road.
- H. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - None.
- I. Access road surface ownership - BLM.

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

Access roads and surface disturbing activities will conform to standards outlined in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development.

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, draining, graveling, crowning, 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 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.

3. Location of Existing Wells:

See attached Map "C".

4. Location of Tank Batteries and Production Facilities::

All permanent (on site for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a Desert Brown color. All facilities will be painted within six months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Desert Brown (10YR 6/3).

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

Tank batteries will be placed on the northwest corner of the well pad.

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

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

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. test 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 AGA standards for natural gas measurement.

5. Location and Type of Water Supply:

Water to be used for drilling and production of this well will be hauled by truck from Pleasant Valley.

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

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

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

The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

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. If fill materials are needed to construct roads or well sites, proper permits must be obtained from the Surface Management Agency, unless materials are obtained from a private source.

7. Methods of Handling Waste Disposal:

A reserve pit will be constructed, and will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground.

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

The reserve pit may be lined as determined at time of construction. If the pit is lined, it shall be constructed so as not to leak, break, or allow discharge. If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling the reserve pit.

If the reserve pit is lined, the operator will provide the BLM a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements prescribed by Part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

Produced waste water will be confined to the reserve pit, or if deemed necessary, a storage tank 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.

Pits are not to be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls, unless otherwise herein provided.

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

8. Ancillary Facilities:

Camp facilities or airstrips will not be required.

9. Well Site Layout:

See cut and fill diagram.

All pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed. Pits will be fenced and maintained until cleanup.

The fence will be constructed as prescribed in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development. Alternatives to the prescribed standards shall be submitted to the AO for approval.

The reserve pit will be located on the northwest side of the location between points A and D. The stockpiled topsoil will be stored on the east side between points six and eight. Access to the well pad will be from the west corner between points two and three.

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 to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

10. Plans for Restoration of Surface:

Immediately upon well completion, 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 reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed. The reserve pit will be reclaimed within 90 days from the date of well completion.

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

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

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 and the seed mixture will be proportionately larger (double the lbs. per acre).

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

All seeding will be done from September 15th until the ground freezes.

An appropriate seed mixture will be determined by the BLM, either as part of the Conditions of Approval of the APD or at the time restoration activities are scheduled to begin.

At such time as the well is plugged and abandoned, the operator will submit a surface reclamation plan to the Surface Management Agency for prescribed seed mixtures and reseeding requirements.

If the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

11. Surface Ownership:

The surface for all constructed roads and well location is under the jurisdiction of the BLM.

12. Other Information:

The area is at the northwest end of the Uintah Basin which is formed by the Bookcliff Mountains and the Green River to the south and the Uinta Mountains to the north. The area is interlaced with numerous canyons and ridges formed in sandstone, cobblerock, conglomerate, and shale deposits.

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

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

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

The animals of the area consist predominately of mule deer, coyotes, rabbits, varieties of small ground squirrels and other types of rodents, and various reptiles common to the area. The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

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

A cultural resource clearance will be required before any construction begins on Federal and Indian lands. However, historic and cultural resource work shall be undertaken only with the written consent of a private surface owner. If the private surface owner refuses entry for that purpose, the lessee or operator shall use its best efforts to conduct its approved operations in a manner that avoids adverse effects on any properties listed, or may be eligible for listing, in the NRHP.

If, during operations, any archaeological or historical sites, or any object of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the Surface Management Agency.

On BLM administered land, it is required that a proposed use of pesticide, herbicide or other possible hazardous chemicals shall be cleared for use prior to application.

The dirt contractor will be provided with an approved copy of the Surface Use Plan from the APD.

The operator or his contractor shall contact the BLM Offices at 801-789-1362 between 24 and 48 hours prior to construction activities. Contact Ralph Brown or Tim O'Brien.

The BLM Office will be notified upon site completion prior to moving on the drilling rig.

The flare pit will be located a minimum of 30' south of the reserve pit fence and 100' from the rig substructure.

Fluids shall not be allowed in the flare pit. If fluids do go in the flare pit, they shall be removed immediately and placed in the reserve pit.

The colony of Yucca plants located northeast of the well pad will not be disturbed.

13. Lessee's or Operators Representative and Certification Representative

Name: Mike L. McMican
Address: 85 South 200 East
Vernal, UT 84078
Phone No.: 801-789-4573

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 to the field representative to insure compliance.

This drilling 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.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by NGC Energy Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

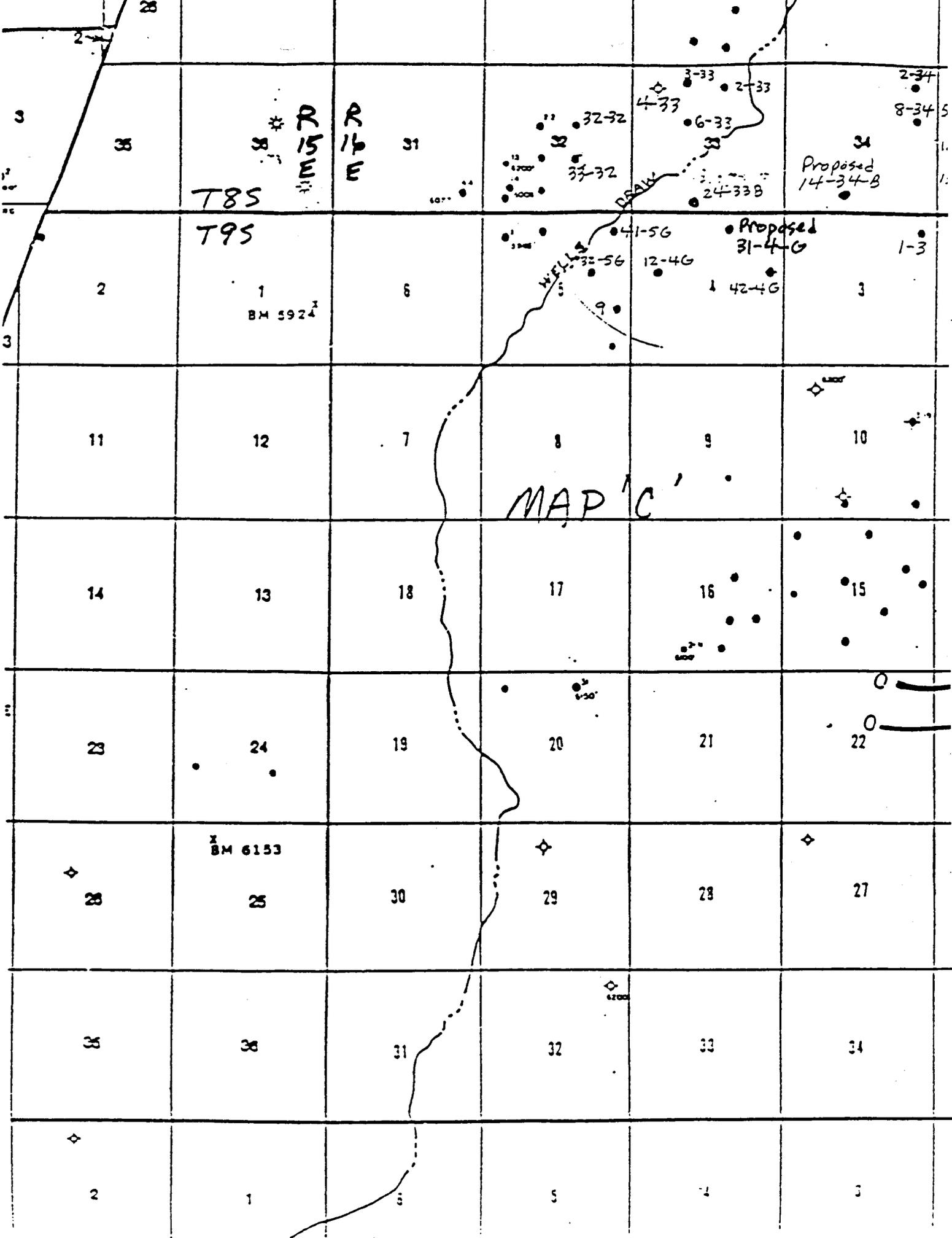
March 6, 1989
Date

Mike McMican
Mike L. McMican, Petroleum Engineer

Onsite Date: 3-1-89

Participants on Joint Inspection:

Mike McMican - Natural Gas Corporation of California
Ralph Brown - BLM



1. Self-certification statement. Under the Federal regulations in effect as of June 15, 1988, designation of operator forms are no longer required when the operator is not the 100% record title holder. An operator is now required to submit a self-certification statement to the appropriate Bureau office stating that said operator has the right to operate upon the leasehold premises. Said notification may be in the following format:

Natural Gas Corp.

"Please be advised that of California is considered to be the operator of Well No. 31-4-G; NW 1/4 NE 1/4 Section 4, Township 9S, Range 16E; Lease U-30096; Duchesne County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Pacific Indemnity.

AS OF 11/30/88

UNITED STATES DEPT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

PAGE

BOND ABSTRACT

BLM BOND NO: UT0135

PART NO:

SURETY BOND ID: 8191-04-97

CASE TYPE: 310435 OGS BOND PD & ACQ LAND

NAME AND ADDRESS OF BONDED PARTIES

865309793001 BONDED PRINCIPAL
NGC ENERGY CO
1400 FOUR EMBARCADERO CENTER
SAN FRANCISCO CA 941114114

824001220001 SURETY
PACIFIC INDEMNITY COMPANY
15 MOUNTAIN VIEW ROAD
P O BOX 1615
WARREN NJ 070611315

BOND-AREA: NATIONWIDE

TYPE OF LAND: FEDERAL-PUBLIC/ACQUIRED

BOND TYPE: SURETY AMOUNT OF BOND: \$150,000

BONDED ACTIVITY/PURPOSE COMMODITY(IES)

GENERAL USE/DRILLING OIL & GAS L
OPERATOR

ACTION CODE	ACTION DATE	ACTION TAKEN	ACTION REMARKS
468	8/24/1984	BOND FILED	
469	9/24/1984	BOND ACCEPTED	
478	8/03/1987	RIDER FILED	
479	8/03/1987	RIDER ACCEPTED	/A/
478	8/08/1988	RIDER FILED	
479	8/08/1988	RIDER ACCEPTED	/B/

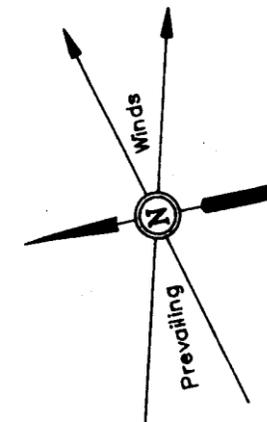
** GENERAL REMARKS **

01	/A/	CHANGE NAME OF PRINCIPAL FROM PG&E GAS SUPPLY CO	
02		TO NGC ENERGY CO AND ASSUMES LIABILITY OF BOND	
03		NO 8653-61-32 (UT0013) WITH PACIFIC TRANSMISSION	
04		SUPPLY CO AS PRINCIPAL	
05	/B/	EXTEND BOND COVERAGE TO INCLUDE PRINCIPAL AS	
06		OPERATOR	

NGC ENERGY CO.

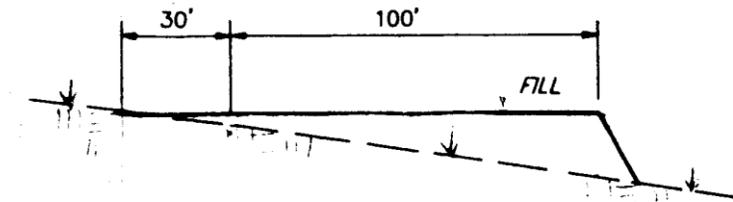
LOCATION LAYOUT FOR

31-4-G FEDERAL
SECTION 4, T9S, R16E, S.L.B.&M.

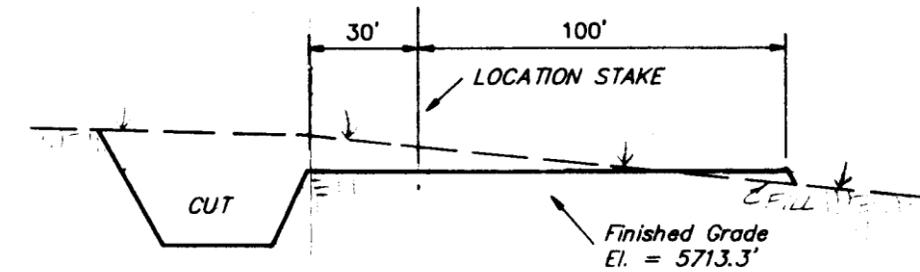


SCALE: 1" = 50'
DATE: 2-6-89

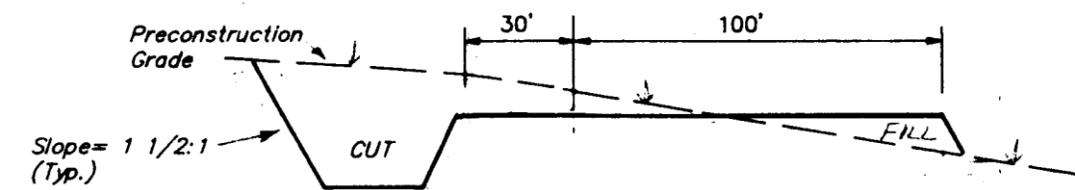
X-Section Scale
1" = 20'
1" = 50'



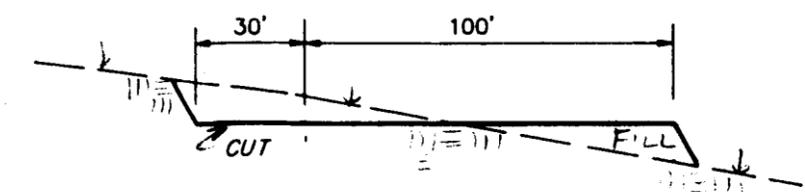
STATION 3+00.00



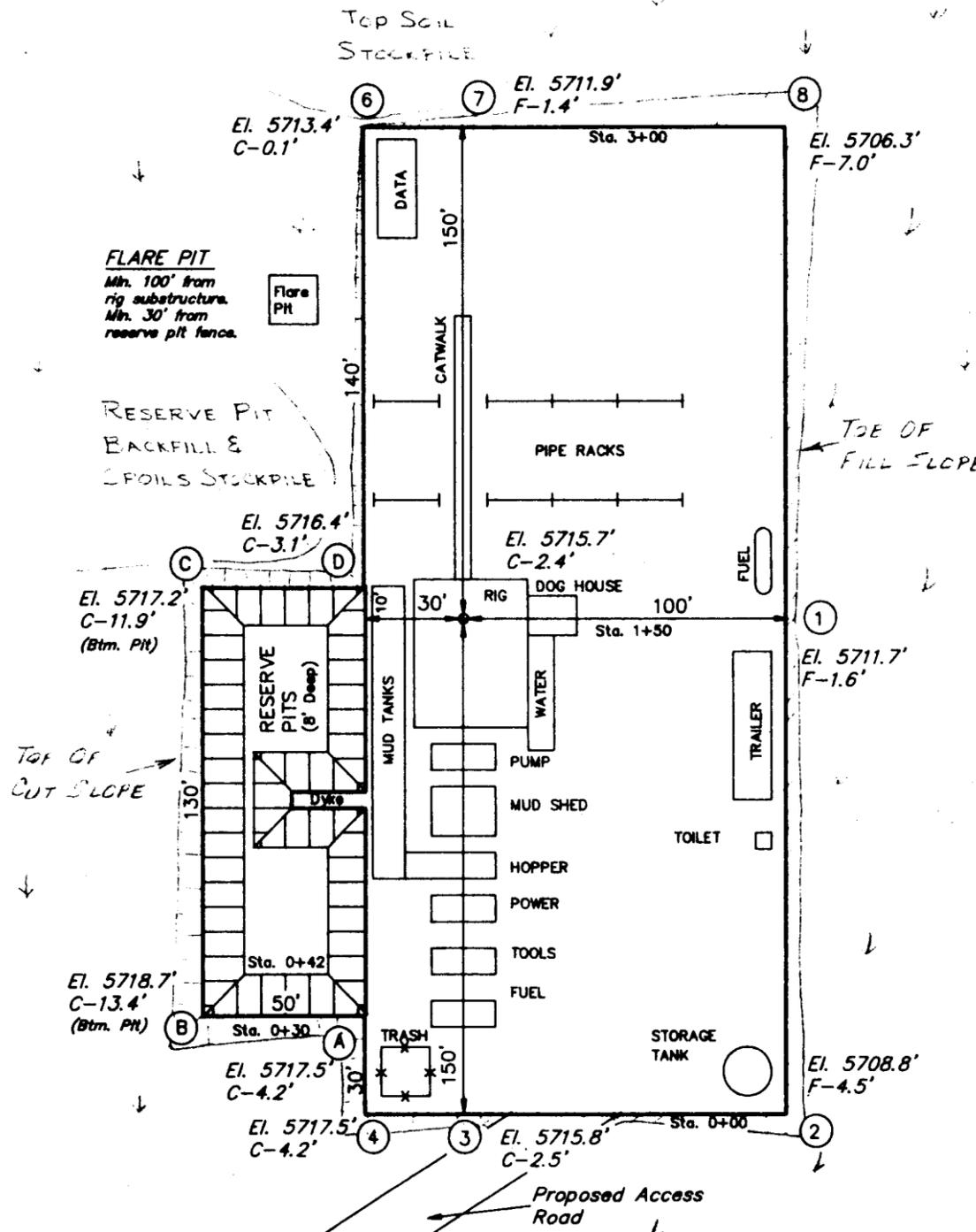
STATION 1+50.00



STATION 0+42.00



STATION 0+00.00



APPROXIMATE YARDAGES

CUT		EXCESS MATERIAL AFTER	
(6") Topsoil Stripping	= 843 Cu. Yds.	5% COMPACTION	= 1,541 Cu. Yds.
Pit Volume (Below Grade)	= 1,212 Cu. Yds.	Topsoil & Pit Backfill	= 1,449 Cu. Yds.
Remaining Location	= 2,083 Cu. Yds.	(1/2 Pit Vol.)	
TOTAL CUT	= 4,138 CU.YDS.	EXCESS UNBALANCE	= 92 Cu. Yds.
FILL	= 2,467 CU.YDS.	(After Rehabilitation)	

TYP. LOCATION LAYOUT

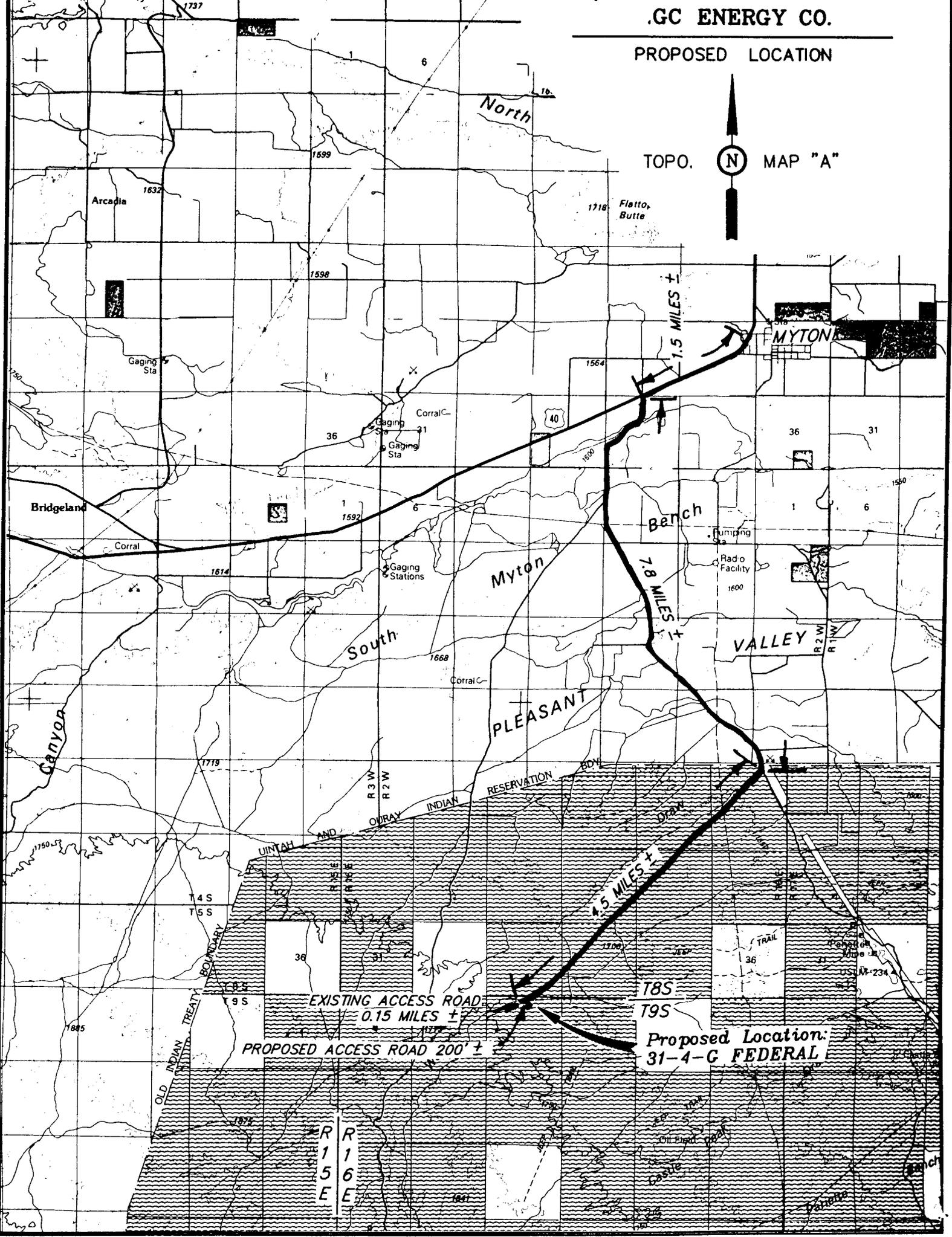
TYP. CROSS SECTIONS

.GC ENERGY CO.

PROPOSED LOCATION

TOPO.

MAP "A"



Arcadia

Gaging Sta

Bridgeland

Corral

CANYON

T4S
T5S

1885

OLD INDIAN TREATY BOUNDARY

R1E
R2E

1599

1598

36

1592

Gaging Stations

South

1719

R3W
R2W

36

EXISTING ACCESS ROAD
0.15 MILES ±

PROPOSED ACCESS ROAD 200' ±

R1E
R2E

6

16

Corral C

6

1668

Corral C

RESERVATION

1717

36

1841

North

1718 Flatto, Butte

1.5 MILES ±

40

1564

1500

Myton

PLEASANT

OURAY INDIAN

1710

36

T8S
T9S

1841

1718

1.5 MILES ±

36

1

1600

Bench

PUMPING

Radio Facility

1600

36

TRAIL

1841

1718

1.5 MILES ±

36

1

1600

VALLEY

R2W
R1W

1710

36

TRAIL

1841

1718

1.5 MILES ±

36

1

1600

VALLEY

R2W
R1W

1710

36

TRAIL

1841

1718

1.5 MILES ±

36

1

1600

VALLEY

R2W
R1W

1710

36

TRAIL

1841

1718

1.5 MILES ±

36

1

1600

VALLEY

R2W
R1W

1710

36

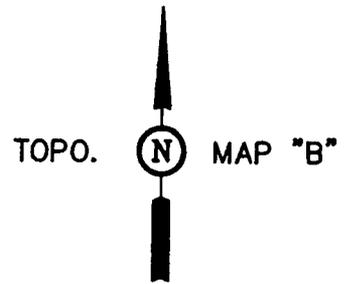
TRAIL

1841

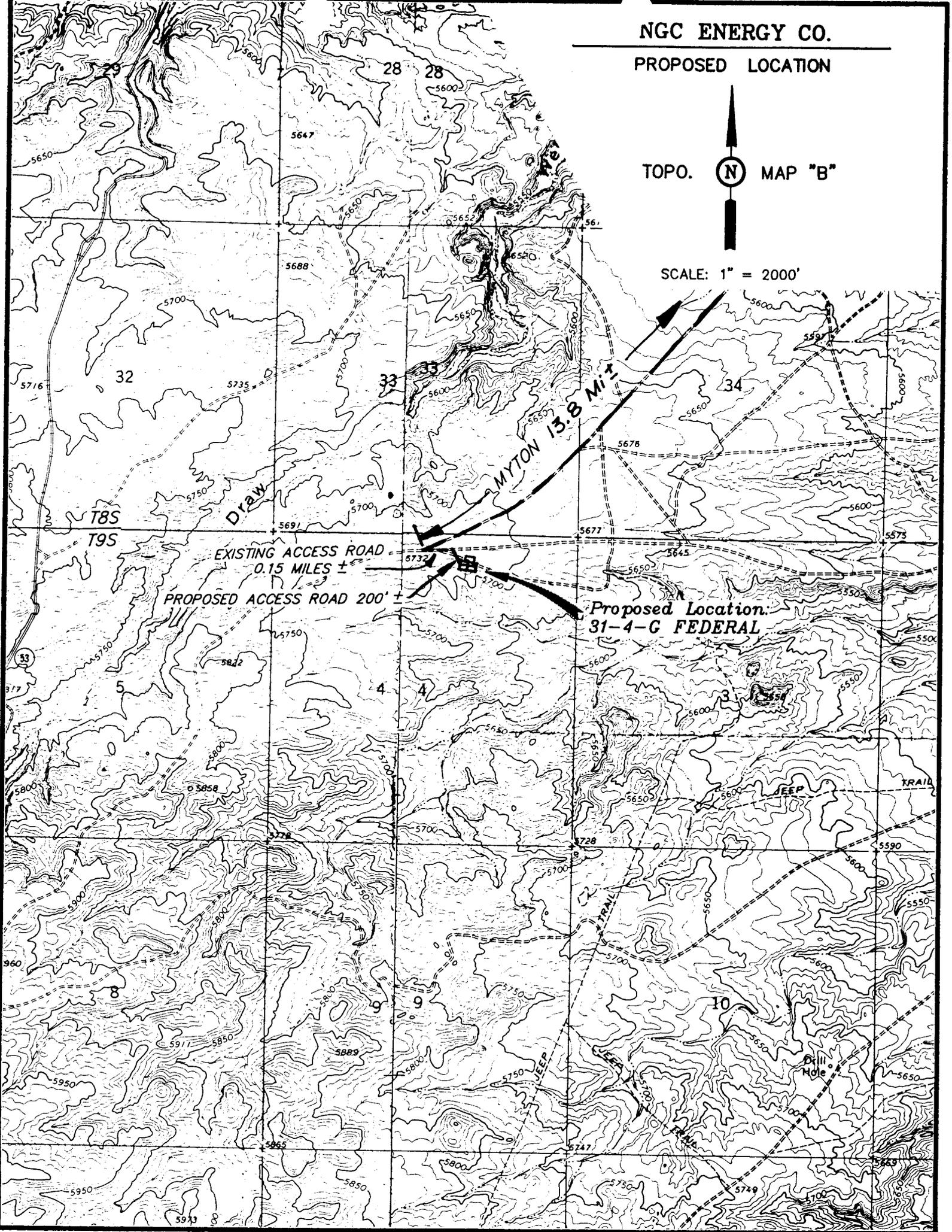
Proposed Location:
31-4-G FEDERAL

NGC ENERGY CO.

PROPOSED LOCATION



SCALE: 1" = 2000'



EXISTING ACCESS ROAD
0.15 MILES ±

PROPOSED ACCESS ROAD 200' ±

MYTON 13.8 Mi.

Proposed Location:
31-4-G FEDERAL

DRAW

TRAIL

JEEP

Drill Hole

OPERATOR Natural Gas Corp. of CA (No 7007) DATE 3-8-89

WELL NAME Federal 31-4-G

SEC NWNE 4 T 9S R 16E COUNTY Duchesne

43-013-31228
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 970'
Need water permit

APPROVAL LETTER:

SPACING: R615-2-3 _____ UNIT

R615-3-2

_____ CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1- Water Permit



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 13, 1989

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

Gentlemen:

Re: Federal 31-4-G - NW NE Sec. 4, T. 9S, R. 16E - Duchesne County, Utah
500' FNL, 1900' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules, 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 as required by Chapter 3, Title 73, Utah Code Annotated.

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

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form OGC-8-X.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. 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 43-013-31228.

Sincerely,



R. J. Barth
Associate Director, Oil & Gas

lr
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
WE14/1-2

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

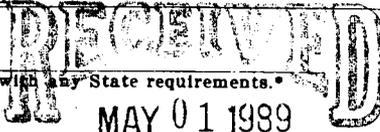
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
500' FNL, 1900' FEL NW/NE



DIVISION OF
OIL, GAS & MINING

14. PERMIT NO. 43-013-31228

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5713' GR

5. LEASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

31-4-G

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Sec. 4, T9S, R16E

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:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(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.)*

Operator reports that this well was spudded w/Leon Ross' dry hole digger and 12-1/4" hole @ 5 p.m. on 4/27/89. Surface hole will be drilled to 300' w/9-5/8" casing set and cemented to surface. Exeter Rig #7 to move in Monday, May 1, 1989.

Copies: Div. Oil, Gas & Mining; Chorney; Ralph E. Davis; SGoodrich; Bhill

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

SIGNED Michael L. McMican

TITLE Petroleum Engineer

DATE April 28, 1989

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

RECEIVED
MAY 04 1989

DOG M 56 64 23
7/85

Page 1 of 1

DIVISION OF
OIL, GAS & MINING

PRODUCING ENTITY ACTION

Operator Name Natural Gas Corporation of California
 Address 85 South 200 East
 City Vernal State UT Zip 84078
 Utah Account No. N0700
 Authorized Signature Connie Mobley Production Clerk
 Effective Date 5/1/89 Spud: 4/27/89 Telephone 801-789-4573

ACTION CODE

- A Establish new entity for new well(s).
- B Add new well(s) to existing entity.
- C Delete well(s) from existing entity.
- D Establish new entity for well(s) being deleted from existing entity.
- E Change well(s) from one entity to another existing entity.
- F Other. (Specify using attachments if necessary.)

BRACKET WELLS TO BE GROUPED TOGETHER.

(Use black ink or typewriter ribbon.)

Action Code	Current Entity No.	New Entity No.	API No.	Well Name	Well Location					Producing Formation
					Sec.	T	R	Q/Q	County	
A	99999	10979	43-013-31228	Federal 31-4-G	4	9S	16E	NW/NE	Duchesne	

Explanation of action: *Federal- Lease Proposed Zone - GRV*
Field-Monument Butte (Per operator - this well will have its own tank battery) Assign entity
Not in a Unit 10979 on 5-5-89 lcr.

Explanation of action:

Explanation of action:

Explanation of action:

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

5. LEASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

31-4-G

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Sec. 4, T9S, R16E

12. COUNTY OR PARISH 13. STATE

Duchesne

Utah

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, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

500' FNL, 1900' FEL NW/NE

RECEIVED
MAY 10 1989

DIVISION OF
OIL, GAS & MINING

14. PERMIT NO.
43-013-31228

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5713' GR

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) Weekly Status Report

(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.)*

Attached is the status report for the period of April 28, 1989 through May 8, 1989.

Copies: Div. Oil, Gas & Mining; Chorney; Ralph E. Davis; SGoodrich; Bhill

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

SIGNED Karla Hanberg
Karla Hanberg

TITLE Office Supervisor

DATE May 8, 1989

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

NGC ENERGY COMPANY

NGC OPERATED - DRILLING

Natural Gas Corporation of California
Pleasant Valley
Federal #31-4-G

500' FNL 1900' FEL, NW NE Sec. 4-T9S-R16E, Duchesne County, UT.
PTD 6500'. Formation: Green River. Spud: 4/27/89. Contractor:
Exeter Rig #7. Elevator: 5713' GR. Chorney Oil went non-consent;
NGCE has 100% WI. AFE #8953. AFE Drilling Amt: \$120,340. AFE
Completion Amt: \$306,660. Total AFE Amt: \$427,000

4-28-89 Building location. Moved in Leon Ross dryhole digger & spud 12-1/4" hole @ 5:00 PM, 4/27/89. Drilled to 60' and SDFN. Daily cost \$2,945; CDC \$2,945

4-29-89 TD 190'. Drilled 12-1/4" surface to 190' and SDFN. Daily cost \$500; CDC \$3,445

4-30-89 TD 300'. Drilled 12-1/4" surface hole to 300' & SDFN. Present Operation: POH to run surface csg. Daily cost \$500; CDC \$3945

5-1-89 TD 300'. POH, RU and run 8 jts of 9-5/8" surface casing and land @ 297' KB (KB = 14'). Cemented w/165 sx of class "G" + 2% CaCl₂ + 1/4#/sk flocele. Had 8 bbls of good cement to surface. Build cellar & dig mouse and rat holes. Survey: 1/4 DEG @ 250'. Daily cost \$11,730; CDC \$15,675

5-2-89 TD 300'. Installed wellhead, waiting on Exeter to move in rig. Daily cost \$2,300; CDC \$17,975

5-3-89 TD 300'. Partially moved in rig while making some repairs. Should finish moving in & rigging up and start drilling today. Daily cost \$1,715; CDC \$19,690

5-4-89 TD 300'. Finish moving in & rigging up. NU BOP's and test. Just finished BOP test @ report time. Present Operation: Prepare to drill cement. Daily cost \$1,300; CDC \$20,990

5-5-89 F & G construction moved in equipment and built location. Parker Air Drilling to move in dryhole digger today. Present Operation: Wait on dryhole digger. Daily cost \$2,495; CDC \$2,495

5-6-89 TD 3266'. Day 2. Made 1634' in 23-3/4 hrs. Drilling rate: 68.8 fph. MW 8.4, VIS 27, PH 10.5. Surveys: 1/4 DEG @ 422', 1-1/4 DEG @ 1404', 1-1/2 DEG @ 2420'. Corrected KB = 16'. Daily cost \$11,755; CDC \$42,865

Federal #31-4-G cont'd ...

5-7-89 TD 4275'. Day 3. Made 1009'. Drilled to 3837',
571' in 9-3/4 hrs, 58.6 fph. TFNB. Drilled to
4275', 438' in 10 hrs, 43.8 fph. MW 8.4, VIS 27,
Surveys: 1-3/4 DEG @ 3411', 1-1/4 DEG @ 3830'.
Daily cost \$9,245; CDC \$52,110

5-8-89 TD 5125'. Day 4. Made 850' in 23 hrs. Drilling
rate: 37.0 fph. MW 8.4, VIS 27, PH 11. Survey:
1-3/4 DEG @ 4840'. Daily cost \$8,120; CDC \$60,230

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TR .CATE*
(Other instructions on re-
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.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-30096	
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 500' FNL, 1900' FEL NW/NE		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-31228		9. WELL NO. 31-4-G	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5713' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec. 4, T9S, R16E	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

RECEIVED
MAY 17 1989
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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Weekly Status Report	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" 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.)*

Attached is the status report for the period of May 9 through May 12, 1989.

Copies: Div. Oil, Gas & Mining; Chorney; Ralph E. Davis; SGoodrich; B Hill

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE May 15, 1989
Karla Hanberg
(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Federal #31-4-G cont'd ...

5-7-89 TD 4275'. Day 3. Made 1009'. Drilled to 3837', 571' in 9-3/4 hrs, 58.6 fph. TFNB. Drilled to 4275', 438' in 10 hrs, 43.8 fph. MW 8.4, VIS 27, Surveys: 1-3/4 DEG @ 3411', 1-1/4 DEG @ 3830'. Daily cost \$9,245; CDC \$52,110

5-8-89 TD 5125'. Day 4. Made 850' in 23 hrs. Drilling rate: 37.0 fph. MW 8.4, VIS 27, PH 11. Survey: 1-3/4 DEG @ 4840'. Daily cost \$8,120; CDC \$60,230

5-9-89 TD 5580'. Day 5. Made 455'. Drilled to 5376', 251 in 13.5 hrs, 18.6 fph. TFNB. Drilled to 5580', 204' in 5-1/2 hrs, 37.1 fph. Survey: 2-1/4 DEG @ 5376'. MW 8.4, VIS 27, PH 11.5. Tops:

"D"	@ 5164'	+565
"E"	@ 5280'	+449
"E2"	@ 5450'	+279

Daily cost \$5,365; CDC \$65,595

5-10-89 TD 6475'. Day 6. Made 895'. Drilled to TD of 6475', 895' in 23-3/4 hrs, 37.7 fph. Preparing to POH and log w/Schlumberger. MW 8.4, VIS 27, PH 11.5. Tops:

'F'	@ 5803'	-74'
Basal LS	@ 6227'	-498'

Daily cost \$7,425; CDC \$73,020

5-11-89 TD 6475'. Day 7. Circulate. POOH for logs. Log w/Schlumberger. TIH & LD drill pipe and drill collars. Present Operation: RU casing crew. Log Tops:

"A"	@ 4273'	(+1456)
"B"	@ 4520'	(+1209)
D.C. Mkr	@ 4914'	(+ 815)
"D"	@ 5160'	(+ 569)
"E"	@ 5282'	(+ 447)
E2	@ 5451'	(+ 278)
F	@ 5802'	(- 73)
Basal Ls	@ 6220'	(- 491)

Daily cost \$12,860; CDC \$73,000

5-12-89 TD 6475'. Day 8. Ran 128 jts of 5-1/2" 17# K-55 & 4 jts of 5-1/2" 17# N-80 LTC casing to 5603'. Dowell cemented w/260 sx of Hilift followed by 580 sx of class "G" + 10% Gypseal. Set slips & cut off. Rig released @ 5:00 pm 5-11-89.
FINAL REPORT. Daily cost \$2,090; CDC \$87,970

NGC ENERGY COMPANY

NGC OPERATED - DRILLING

Natural Gas Corporation of California
Pleasant Valley
Federal #31-4-G

500' FNL 1900' FEL, NW NE Sec. 4-T9S-R16E, Duchesne County, UT.
PTD 6500'. Formation: Green River. Spud: 4/27/89. Contractor: Exeter Rig #7. Elevator: 5713' GR. Chorney Oil went non-consent; NGCE has 100% WI. AFE #8953. AFE Drilling Amt: \$120,340. AFE Completion Amt: \$306,660. Total AFE Amt: \$427,000

4-28-89 Building location. Moved in Leon Ross dryhole digger & spud 12-1/4" hole @ 5:00 PM, 4/27/89. Drilled to 60' and SDFN. Daily cost \$2,945; CDC \$2,945

4-29-89 TD 190'. Drilled 12-1/4" surface to 190' and SDFN. Daily cost \$500; CDC \$3,445

4-30-89 TD 300'. Drilled 12-1/4" surface hole to 300' & SDFN. Present Operation: POH to run surface csg. Daily cost \$500; CDC \$3945

5-1-89 TD 300'. POH, RU and run 8 jts of 9-5/8" surface casing and land @ 297' KB (KB = 14'). Cemented w/165 sx of class "G" + 2% CaCl₂ + 1/4#/sk flocele. Had 8 bbls of good cement to surface. Build cellar & dig mouse and rat holes. Survey: 1/4 DEG @ 250'. Daily cost \$11,730; CDC \$15,675

5-2-89 TD 300'. Installed wellhead, waiting on Exeter to move in rig. Daily cost \$2,300; CDC \$17,975

5-3-89 TD 300'. Partially moved in rig while making some repairs. Should finish moving in & rigging up and start drilling today. Daily cost \$1,715; CDC \$19,690

5-4-89 TD 300'. Finish moving in & rigging up. NU BOP's and test. Just finished BOP test @ report time. Present Operation: Prepare to drill cement. Daily cost \$1,300; CDC \$20,990

5-5-89 TD 1632'. Day 1. Made 1337' in 17-1/4 hrs. Uintah Formation. MW 8.3, VIS 27, FL NC, PH 10.5. Bit #1, 7-7/8" SEC Type S88CF, in @ 295'. Finish testing BOP's. PU bit & DC's to drill out. Tag cement @ 242'. Drilled out @ 295'. Present Operation: Drilling. Daily cost \$10,120; CDC \$31,110

5-6-89 TD 3266'. Day 2. Made 1634' in 23-3/4 hrs. Drilling rate: 68.8 fph. MW 8.4, VIS 27, PH 10.5. Surveys: 1/4 DEG @ 422', 1-1/4 DEG @ 1404', 1-1/2 DEG @ 2420'. Corrected KB = 16'. Daily cost \$11,755; CDC \$42,865

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
3 TRIAD CENTER, SUITE 350
SALT LAKE CITY, UT 84180-1203

RECEIVED
MAY 17 1989
DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number #31-4-G Federal Lease U-30096

Operator Natural Gas Corp. of CA Address 85 South 200 East, Vernal, UT 84078

Contractor Leon Ross Drilling & Const. Address Hancock Cove, UT

Location NW 1/4 NE 1/4 Sec. 4 T. 9S R. 16E County Duchesne

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	150'	300'	trace	fresh
2.				
3.				
4.				
5.				

(Continue on reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule 806, Oil and Gas Conservation General Rules.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

Federal #31-4-G cont'd ...

5-27-89

Day 10. Strip out of hole w/tbg, rods & pump. (Pump stuck 1 jt above SN in heavy oil w/frac sand.) Run back in hole w/production tbg. ND BOP's & NU wellhead. Set anchor @ 4872' w/12,000# tension. Flush tbg w/50 bbls 2% KCL water @ 270 DEG F. RIH w/rod string. Pressure check pump to 1100# - held OK. Shut down for weekend. Rig Released 5/26/89. Today's Operation: Prep to move in production equipment. Daily cost \$2,585; CCC \$130,976

Federal #31-4-G cont'd ...

Press (CSG)	Rate (BPM)	Volume (BBLs)	Event
1900	43.6	912	St 7# 16/30
1900	43.6	946	6.5# 16/30 @ perfs
2000	45.5	996	Start flush
2600	45.5	1110	End of treatment

ISIP 1900#
 15 min 1550#
 1002 bbls to rec.
 49,000# 20/40 sand
 50,800 #16/30 sand
 Daily cost \$79,051; CCC \$116,547

5-24-89 Day 7. SICP = 500#. Flow well to pit on 8/64" choke. Well flowed 2-1/2 hrs & recovered 41 bbls water. PU Howco RTTS pkr. w/ret tool & RIH w/2-7/8" tbg. Tagged sand @ 4960'. Cleaned out sand to 5020'. Pull up tbg & set RTTS @ 4800' & test to 1500#. RU & swab well. Fluid level @ surface. Made 21 runs and recovered 171 bbls water & oil (80% oil cut on last run). Left fluid level @ 1200'. SION. Daily load rec = 212 bbls. Accum total load = 1002 bbls. Today's Operation: Test interval 4950'-61' & run production string. Daily cost \$5413; CCC \$121,960

5-25-89 Day 8. SICP = 500#. Flow well to tank on 2" choke. Well flowed 21 bbls of oil in 2 hrs. (15 bbls first hr). Release RTTS pkr. RIH w/tbg, tagged sand @ 5010'. Circ sand out to RBP @ 5045'. Release RBP & POOH w/tbg & tools. RIH w/production string. Tagged sand @ 5435'. Circ sand out to PBTD @ 5509'. Pull up tbg & set anchor @ 4872'. ND BOP's and NU wellhead. SION. Daily cost \$3,887; CCC \$125,847

5-26-89 Day 9. PU new rod pump & RIH w/rods. Seated rod pump at or near seat nipple but couldn't unseat pump. Pumped 70 bbls down annulus but well didn't circ. Pump down tbg. Well pressured to 1500# w/no leak off. Hook up hot oil truck & pumped 100 bbls KCL down annulus @ 270 DEG F (no circ.) Work rod string but pump still stuck. Backed off & POOH w/rods. Still have 22 3/4" rods, 6 sinker bars & pump still in hole. ND wellhead & NU BOP's. Release tbg anchor & SION. Today's Operation: Strip rods and pump. Rerun production strings. Daily Cost \$2,544; CCC \$128,391

Federal #31-4-G cont'd ...

1550	35	762	6.5# 16/30 @ perfs
1550	35	770	Start flush
1900	35	827	7# 16/30 @ perfs
2400	39.5	895	End of Treatment

ISIP 1800#, 15 min 1500#
 38,500# 20/40 sand used
 41,050# 16/30 sand used
 810 bbls to recover

Today's Operation: Flow back after frac. Daily cost \$19,366; CCC \$26,907

5-19-89

Day 4. SICP = 800#. Flow well to pit on 12/64" choke. Well blew down in 1-1/2 hrs. PU Howco RTTS PKR and RIH w/2-7/8" tbg. Tagged sand @ 5217'. Cleaned out sand to 5509'. Pull up tbg and set RTTS @ 5250'. RU and swab on well. FL @ surf. Made 13 runs and recovered 112 bbls. Left fluid level @ 2800'. Sample cut on last run shows 30% oil. SION. Daily cost \$5,879; CCC \$32,786

5-20-89

Day 5. SITP = 450#. Open well to 400 bbl upright tank on 2" choke. Well flowed 14 bbls oil in 2 hrs. Release PKR and circ well dead w/2% KCL water. POOH w/2-7/8" tbg & Pkr. PU Howco BV RBP & RIH w/2-7/8" tbg. Set RBP @ 5045' & test to 2000#. POOH w/2-7/8" tbg. RU Welex and perf interval 4950'-61' 4 SPF w/4" casing gun. Shut in for weekend. Daily cost \$4,710; CCC \$37,496

5-23-89

Day 6. RU Smith Energy & frac interval 4950'-61' as follows:

Press (CSG)	Rate (BPM)	Volume (BBLs)	Event
0	0	0	Start Pad
2300	40	114	Pad @ Perfs
2300	40	381	Start 1# 20/40
2200	40	431	Start 2# 20/40
2100	40	486	Start 3# 20/40
2100	40	495	1# 20/40 @ perfs
2050	40	545	ST 4# 20/40/2# @ perfs
2000	40	600	3# 20/40 @ perfs
2000	40	610	Start 5# 20/40
2000	40	659	4# 20/40 @ perfs
2000	40	680	Start 6# 20/40
2000	43	724	5# 20/40 @ perfs
1900	43.6	756	Start 6# 16/30
1900	43.6	794	6# 20/40 @ perfs
1900	43.6	832	St 6-1/2# 16/30
1900	43.6	870	6# 16/30 @ perfs

NGC ENERGY COMPANY

NGC OPERATED - COMPLETION

**Natural Gas Corporation of California
Pleasant Valley
Federal #31-4-G**

500' FNL 1900' FEL, NW NE Sec. 4-T9S-R16E, Duchesne County, UT.
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5-16-89 Day 1. MIRU General Well Service Rig #1. NU BOP's. PU 4-3/4" bit, 5-1/2" casing scraper and RIH w/2-7/8" tbg to 5523'. Displace well w/2% KCL water w/clay stabilizer and biocide. POOH w/50 stands tbg and SION. Today's Operation: Run cement bond log and perf bottom interval. Daily cost \$1,805; CCC \$1,805

5-17-89 Day 2. Run cement bond log from 5509'-2300' w/Halliburton Logging Services. Pressure test casing to 3000#. Held Ok. RIH w/4" casing gun and perforate interval @ 5386'-96' (Ed) SION. Today's Operation: Frac interval @ 5386'-96'. Daily cost \$5,736; CCC \$7,541

5-18-89 Day 3. RU Smith Energy and frac interval 5386'-96' as follows:

Press (CSG)	Rate (BPM)	Volume (BBLs)	Event
0	0	0	Start pad
2100	35	125	Pad @ Perfs
2200	35	285	Start 1# 20/40
2100	35	322	Start 2# 20/40
2050	35	363	Start 3# 20/40
1900	35	410	Start 4# 20/40 & 1# @ perfs
1750	35	447	2# 20/40 @ perfs
1700	35	460	Start 5# 20/40
1650	35	488	3# 20/40 @ perfs
1600	35	515	Start 6# 20/40
1600	35	534	4# 20/40 @ perfs
1550	35	576	Start 6# 16/30
1550	35	584	5# 20/40 @ perfs
1600	35	637	Start 6.5# 16/30
1600	35	640	6# 20/40 @ perfs
1600	35	701	6# 16/30 @ perfs
			ST 7# 16/30

Federal #31-4-G cont'd ...

1550	35	762	6.5# 16/30 @ perfs
1550	35	770	Start flush
1900	35	827	7# 16/30 @ perfs
2400	39.5	895	End of Treatment

ISIP 1800#, 15 min 1500#
 38,500# 20/40 sand used
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Pleasant Valley
Federal #31-4-G**

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1600	35	701	6# 16/30 @ perfs ST 7# 16/30

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

3. LEASE DESIGNATION AND SERIAL NO.
U-30096

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, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
500' FNL, 1900' FEL NW/NE

RECEIVED
JUN 08 1989

7. LEASE AGREEMENT NAME	7. LEASE AGREEMENT NAME
8. FARM OR LEASE NAME	8. FARM OR LEASE NAME
9. WELL NO.	9. WELL NO.
10. FIELD AND POOL, OR WILDCAT	10. FIELD AND POOL, OR WILDCAT
11. SEC., T., R., M., OR BLK. AND	11. SEC., T., R., M., OR BLK. AND
12. COUNTY OR AREA	12. COUNTY OR AREA
13. STATE	13. STATE

14. PERMIT NO. 43-013-31228
15. ELEVATIONS (Show whether GR or BR) 5713' GR

DIVISION OF
OIL, GAS & MINING

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <u>Weekly Status Report</u>	<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <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.)*

Attached is the weekly status report for the subject well from May 23 through May 27, 1989.

Copies: Div. Oil, Gas & Mining; Chorney; Ralph E. Davis; SGoodrich; B Hill

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE June 1, 1989

(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 instruction on re-
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.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
500' FNL, 1900' FEL NW/NE

5. LEASE DESIGNATION AND SERIAL NO.
U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
31-4-G

10. FIELD AND POOL, OR WILDCAT
Monument Butte

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T9S, R16E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

14. PERMIT NO.
43-013-31228

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5713 GR

RECEIVED
JUN 12 1989

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Initial Production

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

Operator reports the subject well was put on production June 7, 1989 at 3:30 p.m.
Well gas-locked and did not show production for the first 24 hrs.

Future reports will be on Form 3160-6, Monthly Report of Operations.

Copies: Div. Oil, Gas & Mining; Chorney; Ralph E. Davis; SGoodrich; Bhill

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

SIGNED Clemott M. Heddleson TITLE Production Supt. DATE June 9, 1989
Clemott M. Heddleson

(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 DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

2

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 _____

2. NAME OF OPERATOR
Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 500' FNL, 1900' FEL NW/SE

At top prod. interval reported below

At total depth

RECEIVED
JUN 19 1989

DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

31-4-G

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Sec. 4, T9S, R16E.

14. PERMIT NO. 43-013-31228 DATE ISSUED

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUDDED 4/27/89 16. DATE T.D. REACHED 5/10/89 17. DATE COMPL. (Ready to prod.) 6/7/89 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5713' GR 19. ELEV. CASINGHEAD 5713'

20. TOTAL DEPTH, MD & TVD 6475' 21. PLUG, BACK T.D., MD & TVD 5603' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Douglas Creek (2) 4950-4961' Green River
E (d) 5386-5396' Green River

2 1/2 CMA

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, SFL, SP, GR, FDC, CNL, GR, Caliper, CBL, GR 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
9-5/8"	36	300	12-1/4	165 sx Class G, 2% CaCl ₂	
5-1/2"	17	5603	7-7/8	1/4 Flocele sx 260 sx Hi-Lift, 580 sx Class G w/10% Gypsea	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2 7/8"	5410	None

31. PERFORATION RECORD (Interval, size and number)
E(d) sand w/4" csg gun, 4 SPF, 90° phasing
DC(2) sand w/4" csg gun, 4 SPF, 90° phasing

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5386-5396:	38,500# 20-40/41,050# 16/30 sand 810 bbls. 30 vis gelled water
4950-4961:	49,000# 20-40/50,800 16/30 sand 1002 bbls 30 vis gelled water

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
6/7/89	Pumping	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/12/89	24	1/4"	→	102	0	15	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0	0	→	102	0	15	33	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented - well will have to pump load water to test gas TEST WITNESSED BY Randy Miller

35. LIST OF ATTACHMENTS
Geological Report

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

SIGNED C. M. Heddleson TITLE Production Supt. DATE June 14, 1989

*(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	MEAS. DEPTH	TOP	TRUE VERT. DEPTH																
			<table border="1" data-bbox="354 819 657 1276"> <thead> <tr> <th colspan="2">OIL AND GAS</th> </tr> </thead> <tbody> <tr> <td></td> <td>RJP</td> </tr> <tr> <td>JRB</td> <td>GLH</td> </tr> <tr> <td>DTS</td> <td>SLS</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>1-TAS</td> <td></td> </tr> <tr> <td>2. MICROFILM</td> <td></td> </tr> <tr> <td>3. FILE</td> <td></td> </tr> </tbody> </table>	OIL AND GAS			RJP	JRB	GLH	DTS	SLS			1-TAS		2. MICROFILM		3. FILE		Uinta Green River "A" "B" "D.C." "D" "E" "E2" "F" Basal Ls	Surface 1778 4273 4520 4914 5160 5282 5451 5802 6220		+3951 +1456 +1209 + 815 + 569 + 447 + 278 - 73 - 491
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1-TAS																							
2. MICROFILM																							
3. FILE																							

Copies: Div. Oil, Gas & Mining; Chorney; Stan Goodrich; Brenda Hill/Paul Schnurr

STATE OF UTAH
 VISION OF OIL, GAS AND MININ
 OIL AND GAS INSPECTION RECORD

OPERATOR NGC LEASE FEDERAL
 WELL NO. 31-4-6 API 43-013-31228
 SEC. A T. 9S R. 16E CONTRACTOR _____
 COUNTY Duchesne FIELD Monument Butte

DRILLING/COMPLETION/WORKOVER:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> BOPE
<input type="checkbox"/> SAFETY	<input type="checkbox"/> POLL. CONTROL	<input type="checkbox"/> SURFACE USE	<input type="checkbox"/> PITS
<input type="checkbox"/> OPERATIONS	<input type="checkbox"/> OTHER		

SHUT-IN / TA :

<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> EQUIPMENT*	<input type="checkbox"/> SAFETY
<input type="checkbox"/> OTHER			

ABANDONED:

<input type="checkbox"/> MARKER	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> REHAB.	<input type="checkbox"/> OTHER
---------------------------------	---------------------------------------	---------------------------------	--------------------------------

PRODUCTION:

<input checked="" type="checkbox"/> WELL SIGN	<input checked="" type="checkbox"/> HOUSEKEEPING	<input checked="" type="checkbox"/> EQUIPMENT*	<input checked="" type="checkbox"/> FACILITIES*
<input checked="" type="checkbox"/> METERING*	<input checked="" type="checkbox"/> POLL. CONTROL	<input checked="" type="checkbox"/> PITS	<input type="checkbox"/> DISPOSAL
<input checked="" type="checkbox"/> SECURITY	<input checked="" type="checkbox"/> SAFETY	<input type="checkbox"/> OTHER	

CAS DISPOSITION:

<input type="checkbox"/> VENTED/FLARED	<input checked="" type="checkbox"/> SOLD	<input checked="" type="checkbox"/> LEASE USE
--	--	---

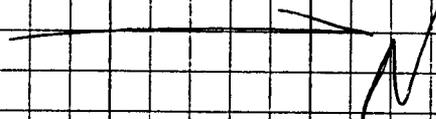
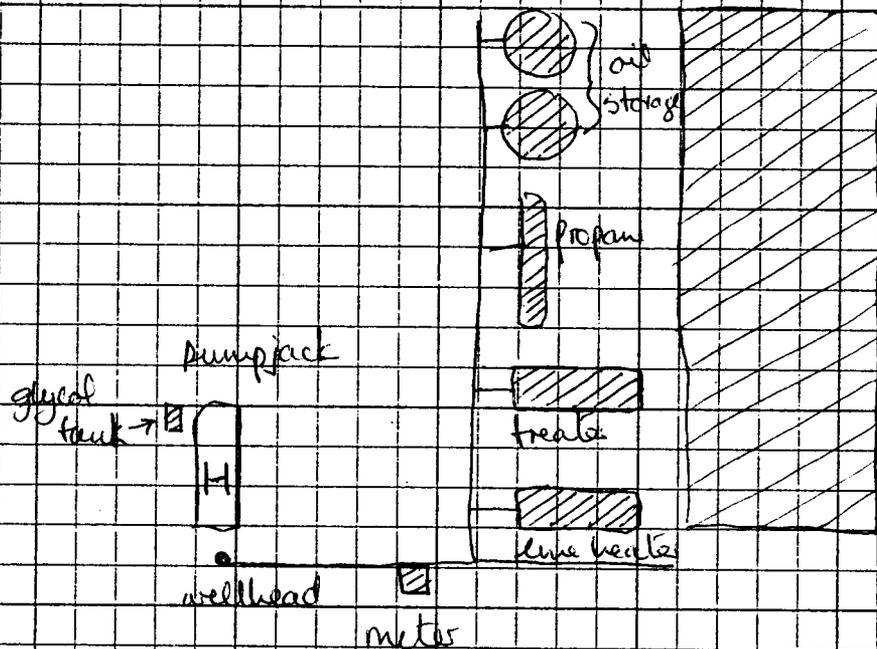
LEGEND: Y - YES OR SATISFACTORY
 N - NO OR UNSATISFACTORY
 NA - NOT APPLICABLE

*FACILITIES INSPECTED: location, wellhead, pumpjack, glycol tank, meters, line heaters, treaters, propane tank, pit, 2 production tanks

REMARKS: Ok - currently venting - putting compressor on line.

ACTION: _____

INSPECTOR: GARY GARNER DATE 7/11/89



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
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
Use "APPLICATION FOR PERMIT—" for

RECEIVED
NOV 29 1989

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
PG&E Resources Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
500' FNL, 1900' FEL NW/SE

14. PERMIT NO.
43-013-31228

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5713' GR

5. LEASE DESIGNATION AND SERIAL NO.
U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
31-4-G

10. FIELD AND POOL, OR WILDCAT
Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T9S, R16E

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) Site Security Plan <input checked="" 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.)*

Attached is the Site Security Plan Diagram for the subject well.

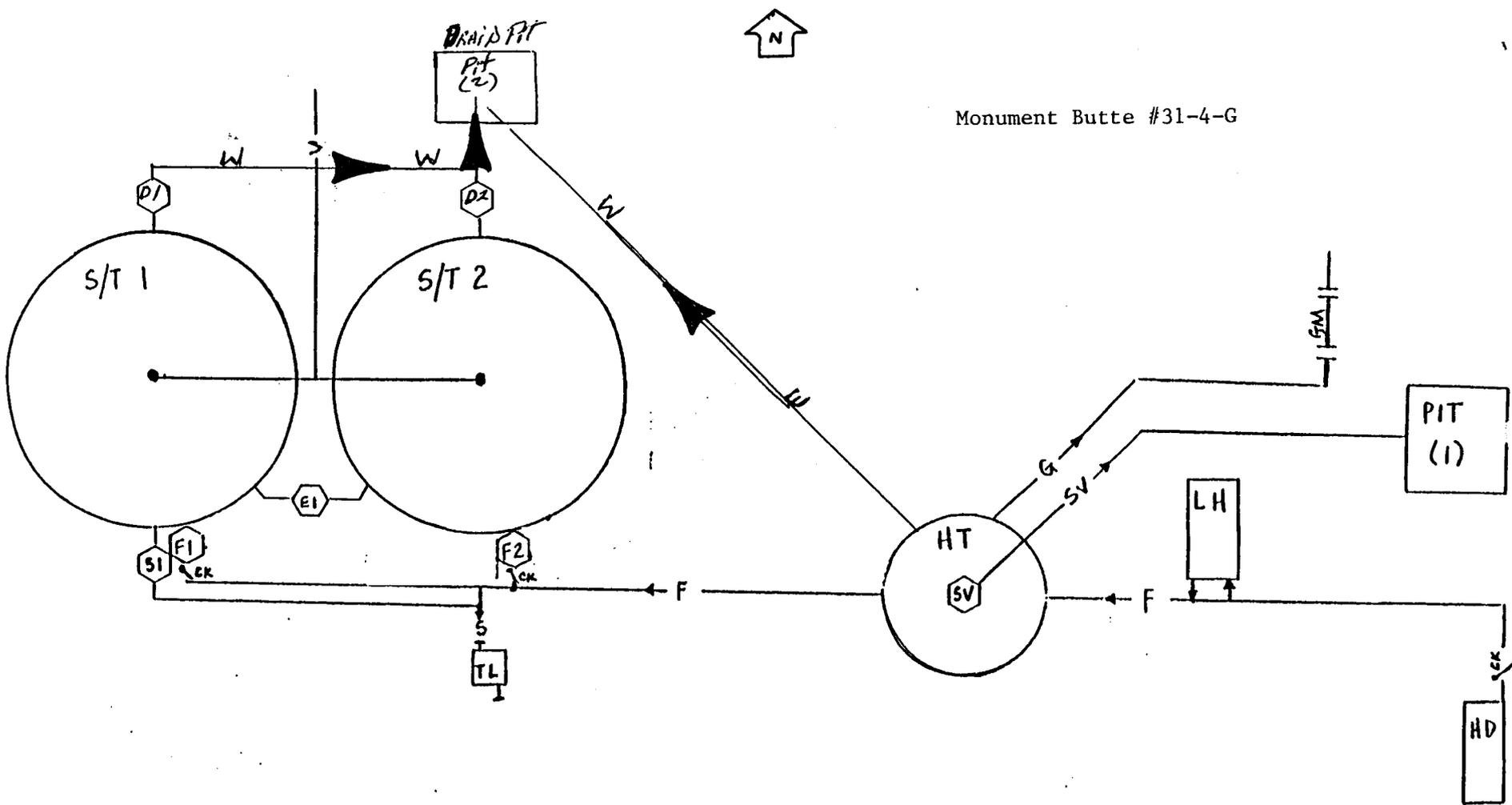
OIL AND GAS	
DRM	
JRS	GLH
	SLS
1-	MICROFILM
2-	FILE

cc: Div. of Oil, Gas & Mining; Central Files; SGoodrich

18. I hereby certify that the foregoing is true and correct
SIGNED Charles M. Heddles TITLE Production Supt. DATE 11/27/89

(This space for Federal or State office use)
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



Monument Butte #31-4-G

PG&E Resources Company
 Lease: Federal #U-30096
 Location: NW/SE Sec. 4, T9S, R16E

This well is subject to the Site Security Plan for northeast Utah operations. The plan is located at PG&E Resources Company, 85 South 200 East, Vernal, UT 84078.

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

5. LEASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

31-4-G

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Sec. 4, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
PG&E Resources Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

500' FNL, 1900' FEL NW/SE

14. PERMIT NO.
43-013-31228

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5713' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF PULL OR ALTER CASING
 FRACTURE TREAT MULTIPLE COMPLETE
 SHOOT OR ACIDIZE ABANDON*
 REPAIR WELL CHANGE PLANS
 (Other) NTL-2B

SUBSEQUENT REPORT OF:

WATER SHUT-OFF REPAIRING WELL
 FRACTURE TREATMENT ALTERING CASING
 SHOOTING OR ACIDIZING ABANDONMENT*
 (Other)
 (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.)*

PG&E Resources Company requests approval to dispose of produced water from the subject well into an unlined pit located on the well pad. This well qualifies under Section IV, Part 4 of NTL-2B. The following information is being supplied pursuant to this request.

- a) This well produces an average of 1.00 BWP/D from the Green River formation. A water sample analysis is attached.
- b) Enclosed is a topographical map showing the well location and the location layout showing the proposed and/or existing facilities.
- c) The evaporation rate for this area, compensated for annual rainfall, is approximately 40+ inches per year. The percolation rate for this area, based on soil characteristics, is .2" to .6" per hour or moderately slow.

DENIED

by the State
of Utah Division of
Oil, Gas and Mining

Date: 12/7/89
By: [Signature]

(NO PITS ON LOCATION TO DISPOSE INTO)

cc: Div. of Oil, Gas & Mining; Central Files; SGoodrich

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

SIGNED [Signature]

TITLE Production Supt.

DATE 11/27/89

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

OIL AND GAS	
DRN	RIF
JRB	1-GLH
DTS	SLS
2-TAS	B6H
3-	MICROFILM
4-	FILE

*See Instructions on Reverse Side

07-25-1989

LAB #: 892337-1

P.G. & E. RESOURCES

WELL #: PLEASANT VALLEY 31-4G
 COUNTY: DUCHESNE STATE: UT
 FORMATION:
 DATE SAMPLED: 7-5-89
 REMARKS:

FIELD: MONUMENT BUTTE
 LOCATION: NW1/4 NE1/4 SEC. 4 T9S R16
 INTERVAL:
 SAMPLE ORIGIN: WATER & OIL SAMPLE

	MG/L	MEQ/L
SODIUM	7200	313.20
POTASSIUM	950	24.32
CALCIUM	123	6.14
MAGNESIUM	26	2.14

	MG/L	MEQ/L
SULFATE	3	0.06
CHLORIDE	10800	304.56
CARBONATE	0	0.00
BICARBONATE	1708	28.01
HYDROXIDE	0	0.00

TOTAL CATIONS 345.79

TOTAL ANIONS 332.63

	MG/L
CALC. SODIUM	6897
NACL EQUIVALENT	19449
CALC TDS* @356 F	19943
API TDS* @221 F	20810

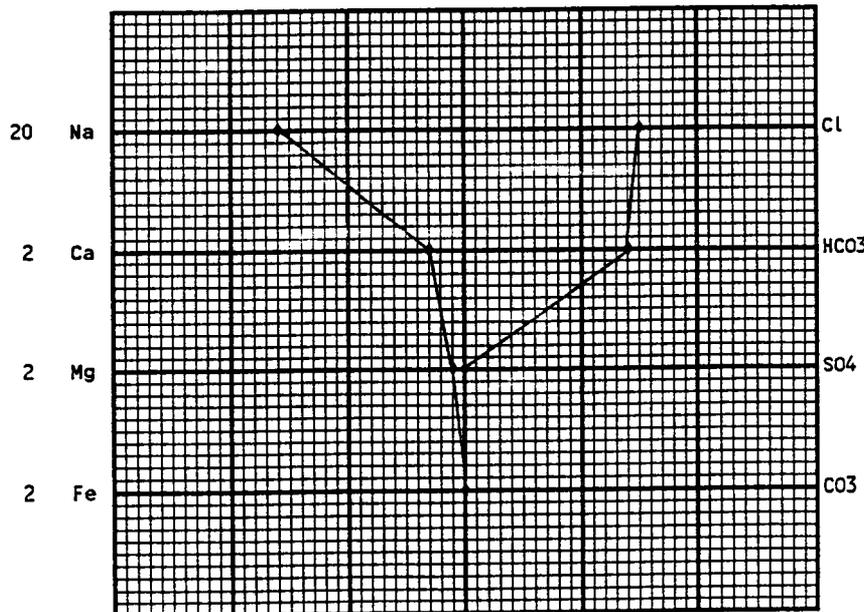
SPECIFIC RESISTANCE AT 68F (OHM-M):
 OBSERVED 0.36

OBSERVED pH 8.2

* TOTAL DISSOLVED SOLIDS

WATER ANALYSIS PATTERN
 Scale
 MEQ per Unit

(Na value in graph
 includes Na and K)



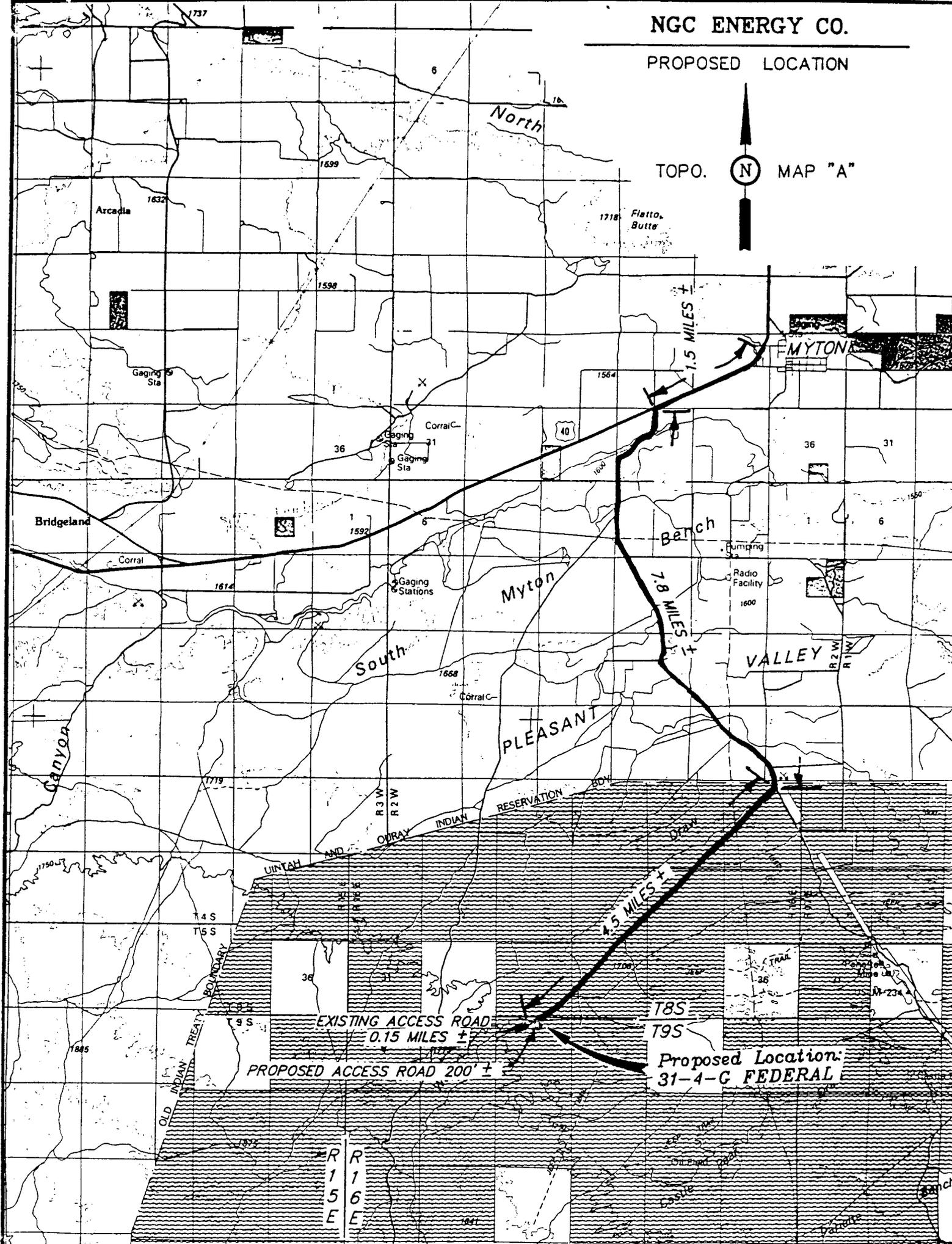
NOTE: MG/L = milligrams
 per liter
 MEQ/L = milligram
 equivalent
 per liter

Sodium Chloride equivalent
 by Dunlap & Hawthorne -
 calculation from components

NGC ENERGY CO.

PROPOSED LOCATION

TOPO. MAP "A"



1.5 MILES ±

7.8 MILES ±

4.5 MILES ±

EXISTING ACCESS ROAD
0.15 MILES ±

PROPOSED ACCESS ROAD 200' ±

Proposed Location:
31-4-G FEDERAL

R
1
5
E

R
1
6
E

OLD INDIAN TREATY BOUNDARY

UINTAH AND

OURAY INDIAN RESERVATION

RESERVATION

Bridgeland

Arcadia

Flatto Butte

MYTON

Berch

Myton

VALLEY

PLEASANT

South

RESERVATION

CANYON

T8S

T9S

T4S

T5S

T9S

R3W

R2W

R3W

R2W

R3W

R2W

R3W

R2W

R3W

R2W

R3W

R2W

R3W

R

R

1

1

5

6

E

E

1841

On Hand

Castle

Barber

Barber

Barber

Barber

1737

6

16

1632

1599

1599

1592

1614

1719

1750

1845

1872

1872

1872

1872

1872

36

31

1564

1600

36

31

1550

1668

1700

1700

1700

1700

1700

1700

1700

1700

1737

6

16

1632

1599

1599

1592

1614

1719

1750

1845

1872

1872

1872

1872

1872

36

31

1564

1600

36

31

1550

1668

1700

1700

1700

1700

1700

1700

1700

1700

1737

6

16

1632

1599

1599

1592

1614

1719

1750

1845

1872

1872

1872

1872

1872

36

31

1564

1600

36

31

1550

1668

1700

1700

1700

1700

1700

1700

1700

1700

1737

6

16

1632

1599

1599

1592

1614

1719

1750

1845

1872

1872

1872

1872

1872

36

31

1564

1600

36

31

1550

1668

1700

1700

1700

1700

1700

1700

1700

1700

1737

6

16

1632

1599

1599

1592

1614

1719

1750

1845

1872

1872

1872

1872

1872

36

31

1564

1600

36

31

1550

1668

1700

1700

1700

1700

1700

1700

1700

1700

1737

6

16

1632

1599

1599

1592

1614

1719

1750

1845

1872

1872

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1872

1872

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31

1564

1600

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1550

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1737

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1632

1599

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1719

1750

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1872

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1872

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1564

1600

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1668

1700

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1632

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1564

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1668

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1700

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1872

1872

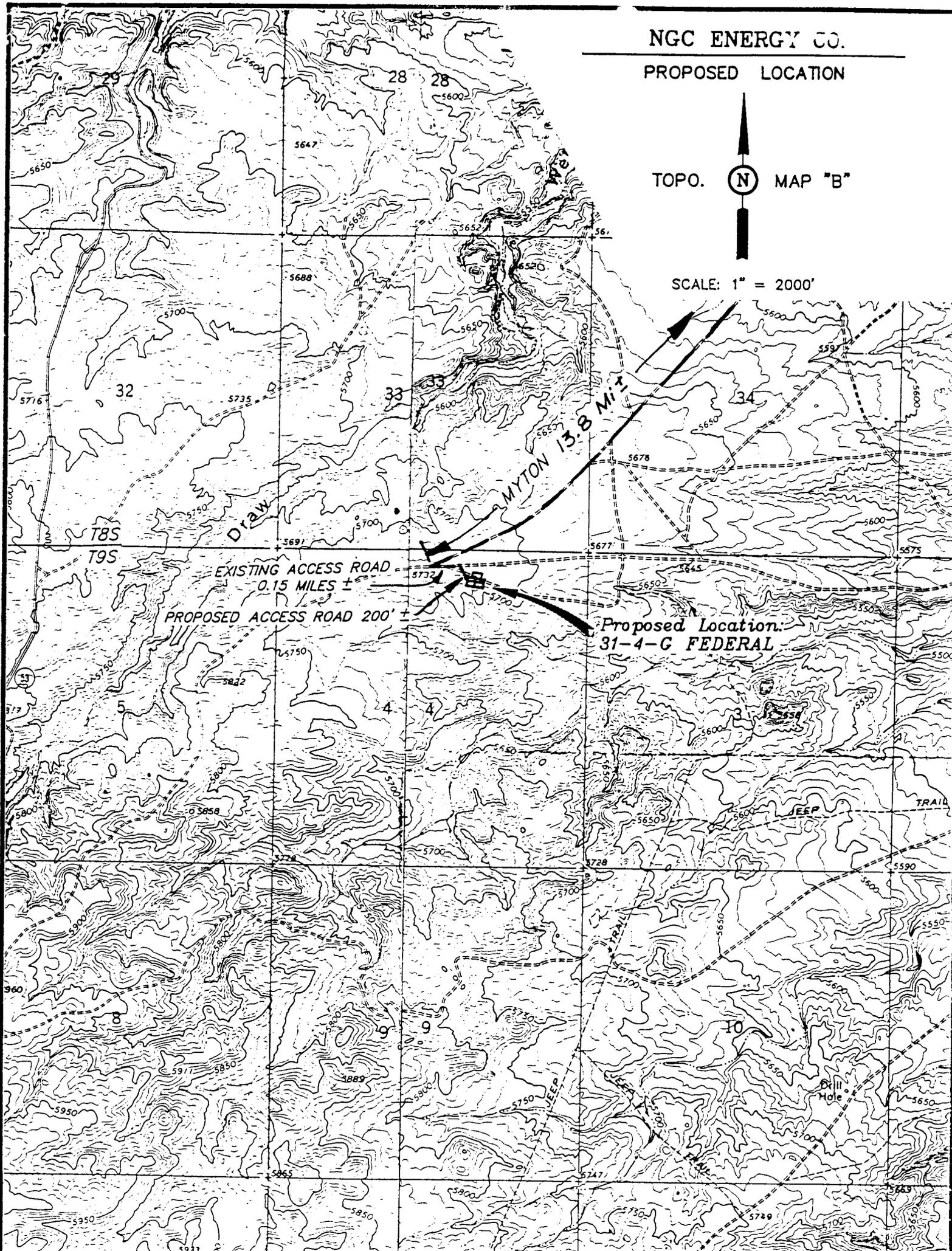
1872

NGC ENERGY CO.

PROPOSED LOCATION

TOPO.  MAP "B"

SCALE: 1" = 2000'



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP
(Other instruction
verse side)

DATE re-

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985
CASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 FEB 20 1990

2. NAME OF OPERATOR
PG&E Resources Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
500' FNL 1900' FEL NW/SE

14. PERMIT NO.
43-013-31228

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5713' GR

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
31-4-G

10. FIELD AND POOL, OR WILDCAT
Monument Butte

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

Sec. 4, T9S, R16E

12. COUNTY OR PARISH 13. STATE
Duchesne 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
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other) NTL-2B

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(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.)*

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 disposed of at a state and federally approved disposal pit.

Operator also proposes construction of an emergency pit to be 20' square at surface with 1:1 slopes, 5' deep and 10' square at bottom. This pit will be fenced and bermed and only used in emergency situations. Any liquids discharged to the pit will be removed within 24 hrs.

Accepted by the State
of Utah Division of
Oil, Gas and Mining

Date: 2-23-90

By: [Signature]

OIL AND GAS

DPN	PL
JRB	1- CLH ✓
DTS	SLS
2-TAS	✓
3- MICROFILM	✓
4- FILE	✓

Copies: Div. of Oil, Gas & Mining; Central Files; SGoodrich

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

SIGNED C.M. Heddleson
C. M. Heddleson

TITLE Production Supt.

DATE 2/14/90

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

Federal Approval of this
Action is Necessary

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TYPE "CATE"
(Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.
U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
31-4-G

10. FIELD AND POOL, OR WILDCAT
Monument Butte

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T9S, R16E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

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 FEB 20 1990

2. NAME OF OPERATOR
PG&E Resources Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
500' FNL 1900' FEL NW/SE

14. PERMIT NO.
43-013-31228

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5713' GR

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) _____	(Other) _____

(Other) Site Security Plan (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.)*

Attached is the Site Security Plan Diagram for the subject well.

OIL AND GAS	
DPN	RIF
JRB	GLH
DTS	SLS
1-JMT	
2-	MICROFILM <input checked="" type="checkbox"/>
3-	FILE

Copies: Div. of Oil, Gas & Mining; Central Files; SGoodrich

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

SIGNED C. M. Heddleson TITLE Production Supt. DATE 2/14/90
C. M. Heddleson

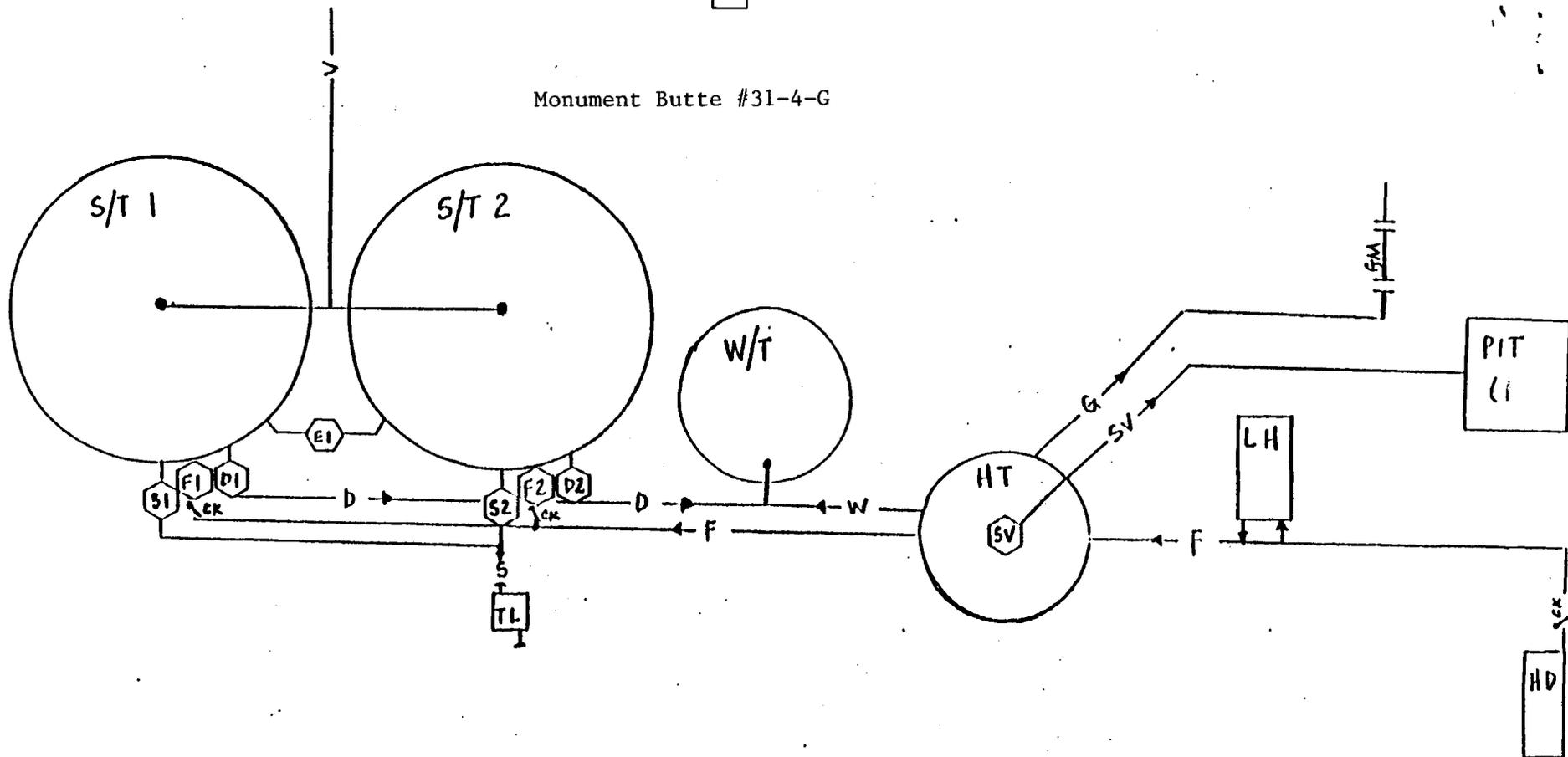
(This space for Federal or State office use)

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

*See Instructions on Reverse Side



Monument Butte #31-4-G



PG&E Resources Company
Lease #U-30096
Location: NW/Se Sec. 4, T9S, R16E
Duchesne County, Utah

This well is subject to the Site Security Plan for the northeast Utah operations. The plan is located at PG&E Resources Company, 85 South 200 East, Vernal, UT 84078.

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

UTAH ACCOUNT NUMBER: N0595

PRODUCTION DEPT
 PG&E RESOURCES COMPANY
 6688 N CENTRAL EXP #1000
 DALLAS TX 75206-3922

REPORT PERIOD (MONTH/YEAR): 8 / 94

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 41-5-G					✓	U30096	(wells draw GRRV Unit)
	4301331205	10859 09S 16E 5	GRRV					
✓	FEDERAL 23-9-H					✓	U50750	
	4301331206	10868 09S 17E 9	GRRV					
✓	FEDERAL 24-33-B					✓	U49092	(wells draw GRRV Unit)
	4301331214	10913 08S 16E 33	GRRV					
✓	FEDERAL 31-4-G					✓	U30096	(wells draw GRRV Unit)
	4301331228	10979 09S 16E 4	GRRV					
✓	FEDERAL 14-34-B					✓	U47171	(wells draw GRRV Unit)
	4301331225	10980 08S 16E 34	GRRV					
✓	FEDERAL 14-33-B					✓	U49092	(wells draw GRRV Unit)
	4301331229	10988 08S 16E 33	GRRV					
✓	FEDERAL 43-33-B					✓	"	(wells draw GRRV Unit)
	4301331240	11007 08S 16E 33	GRRV					
✓	FEDERAL 23-34-B					✓	U47171	(wells draw GRRV Unit)
	4301331241	11041 08S 16E 34	GRRV					
✓	FEDERAL 11-4-G					✓	U30096	(wells draw GRRV Unit)
	4301331250	11046 09S 16E 4	GRRV					
✓	FEDERAL 23-33-B					✓	U49092	(wells draw GRRV Unit)
	4301331251	11047 08S 16E 33	GRRV					
✓	FEDERAL 31-5-G					✓	U30096	(wells draw GRRV Unit)
	4301331252	11054 09S 16E 5	GRRV					
✓	FEDERAL 34-33-B					✓	U49092	(wells draw GRRV Unit)
	4301331269	11079 08S 16E 33	GRRV					
✓	FEDERAL 44-33-B					✓	"	(wells draw GRRV Unit)
	4301331270	11084 08S 16E 33	GRRV					
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

WELL NAME	LOCATION	SEC-TWNSHIP-RANGE	COUNTY	LEASE NUMBER	API NO.
✓ Govt. Fowler #20-1	NW/4 NW/4	20-9S-17E	Duchesne	U-13905	43-013-30563
✓ Federal #19-1	NW/4 NW/4	19-9S-17E	Duchesne	U-13905	43013-30587
✓ Federal #41-30-H	NE/4 NE/4	30-9S-17E	Duchesne	U-11385	43-013-30601
✓ Federal #21-15-H	NE/4 NW/4	15-9S-17E	Duchesne	U-11385	43-013-30614
✓ State #11-16 (PA'd 5/90)	NW/4 NW/4	16-9S-17E	Duchesne	ML-21844	43-013-30616
✓ Federal #42-4	SE/4 NE/4	4-9S-16E	Duchesne	U-30096	43-013-30638
✓ Federal #13-9-H	NW/4 SW/4	9-9S-17E	Duchesne	U-37810	43-013-30656
✓ Federal #32-5-G	SW/4 NE/4	5-9S-16E	Duchesne	U-30096	43-013-30670
✓ Federal #31-8-H	NW/4 NE/4	8-9S-17E	Duchesne	U-10760	43-013-30679
✓ Federal #12-8-H	SW/4 NW/4	8-9S-17E	Duchesne	U-10760	43-013-30680
✓ Federal #24-15-H	SE/4 SW/4	15-9S-17E	Duchesne	U-10760	43-013-30681
✓ Federal #24-9-H	SE/4 SW/4	9-9S-17E	Duchesne	U-50750	43-013-30682
✓ Federal #21-5-G	NE/4 NW/4	5-9S-16E	Duchesne	U-30096	43-013-30698
✓ Federal #12-4-G	SW/4 NW/4	4-9S-16E	Duchesne	U-30096	43-013-30699
✓ NGC #41-8-H	NE/4 NE/4	8-9S-17E	Duchesne	U-10760	43-013-30741
✓ Federal #42-8-H (PA'd 5/90)	SE/4 NE/4	8-9S-17E	Duchesne	U-10760	43-013-30678
✓ NGC #11-9-H	NW/4 NW/4	9-9S-17E	Duchesne	U-50750	43-013-30887
✓ Federal #12-9-H	SW/4 NW/4	9-9S-17E	Duchesne	U-50750	43-013-30983
✓ Federal #22-9-H	SE/4 NW/4	9-9S-17E	Duchesne	U-50750	43-013-31049
✓ Federal #41-5-G	NE/4 NE/4	5-9S-16E	Duchesne	U-30096	43-013-31205
✓ Federal #23-9-H	NE/4 SW/4	9-9S-17E	Duchesne	U-50750	43-013-31206
✓ Federal #23-5-G	NE/4 SW/4	5-9S-16E	Duchesne	U-30096	43-013-31207
✓ Federal #24-33-B	SE/4 SW/4	33-8S-16E	Duchesne	U-49092	43-013-31214
✓ Federal #14-34-B	SW/4 SW/4	34-8S-16E	Duchesne	U-47171	43-013-31225
✓ Federal #31-4-G	NW/4 NE/4	4-9S-16E	Duchesne	U-30096	43-013-31228
✓ Federal #14-33-B	SW/4 SW/4	33-8S-16E	Duchesne	U-49092	43-013-31229
✓ Federal #43-33-B	NE/4 SE/4	33-8S-16E	Duchesne	U-49092	43-013-31240
✓ Federal #23-34-B	NE/4 SW/4	34-8S-16E	Duchesne	U-47171	43-013-31241
✓ Federal #11-4-G	NW/4 NW/4	4-9S-16E	Duchesne	U-30096	43-013-31250

DALEN Resources
Oil & Gas Co.



October 5, 1994

OCT 11

Lisha Romero
State Oil & Gas Office
3 Triad Center
Salt Lake City, Utah 84180-1203

Re: Company Name Change

Dear Ms. Romero:

PG&E Resources Company changed its name to DALEN Resources Oil & Gas Co. We are requesting a blanket change for all of PG&E Resources Company's properties to:

DALEN Resources Oil & Gas Co.
6688 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922

This change is effective October 1, 1994 for all records and reports filed in all districts throughout the state of Utah. I have included a listing of our Utah properties.

Also enclosed is a copy of the Certificate of the Secretary of State of Delaware regarding the name change to DALEN Resources Oil & Gas Co.

If you have any questions regarding this matter, please contact me at (214) 706-3678.

Sincerely,

A handwritten signature in cursive script that reads "Jim Johnson".

Jim Johnson
Regulatory Analyst

JJ/sw
Enclosures

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

State of Delaware
Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"PG&E RESOURCES OFFSHORE COMPANY", A DELAWARE CORPORATION, WITH AND INTO "PG&E RESOURCES COMPANY" UNDER THE NAME OF "DALEN RESOURCES OIL & GAS CO.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE NINETEENTH DAY OF SEPTEMBER, A.D. 1994, AT 1:30 O'CLOCK P.M.

A CERTIFIED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS FOR RECORDING.



A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

2261176 8100M

944175519

AUTHENTICATION:

7242629

DATE:

09-19-94

**CERTIFICATE OF OWNERSHIP
AND MERGER**

MERGING

**PG&E Resources Offshore Company
a Delaware corporation**

INTO

**PG&E Resources Company
a Delaware corporation**

**(Pursuant to Section 253 of the General Corporation
Law of the State of Delaware)**

PG&E Resources Company, a corporation duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware ("Resources"), does hereby certify:

FIRST: That Resources and PG&E Resources Offshore Company ("Offshore") are corporations duly organized and existing under and by virtue of the General Corporation Law of the State of Delaware.

SECOND: That Resources owns all of the outstanding shares of the capital stock of Offshore.

THIRD: That the board of directors of Resources adopted the following resolutions by unanimous written consent on September 16, 1994, and that such resolutions have not been rescinded and are in full force and effect on the date hereof:

"RESOLVED, that PG&E Resources Offshore Company, a Delaware corporation ("Offshore"), which is a wholly-owned subsidiary of Resources, merge with and into Resources pursuant to Section 253 of the General Corporation Law of the State of Delaware (the "Merger"), effective as of 9:00 A.M., Wilmington, Delaware time, on October 1, 1994, and that Resources assume all of the obligations of Offshore at such time;

RESOLVED, that upon the effective time of the Merger the name of the surviving corporation shall be changed to "DALEN Resources Oil & Gas Co."; and

RESOLVED, that the President or any Vice President of Resources are hereby authorized and empowered to file with the Secretary of State of the State of Delaware a certificate of ownership and merger to effect the Merger and the name change of the surviving corporation, and the appropriate officers of Resources are hereby authorized to incur the necessary expenses therefor and to take, or cause to be taken, all such further action and to execute and deliver

or cause to be executed and delivered, in the name of and on behalf of Resources, all such further instruments and documents as any such officer may deem to be necessary or advisable in order to effect the purpose and intent of the foregoing resolutions and to be in the best interests of Resources (as conclusively evidenced by the taking of such action or the execution and delivery of such instruments and documents, as the case may be, by or under the direction of any such officer)."

FOURTH: This Certificate shall not be effective upon its filing date, but shall become effective at 9:00 A.M., Wilmington, Delaware time, on October 1, 1994 (the "Effective Date").

FIFTH: Upon the Effective Date, the name of the surviving corporation shall be changed to "DALEN Resources Oil & Gas Co."

IT WITNESS WHEREOF, Resources has caused this Certificate to be signed by its duly authorized officer this 19th day of September 1994.

PG&E RESOURCES COMPANY

By Joseph T. Williams
Name: Joseph T. Williams
Title: President

Bureau of Land Management
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

3100
U-01470A
(UT-923)

NOV 29 1994

CERTIFIED MAIL---Return Receipt Requested

DECISION

DALEN Resources Oil & Gas Co. :
6688 N. Central Expwy., #1000 : Oil and Gas
Dallas, Texas 75206 : U-01470A et al

Corporate Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of PG&E Resources Company to DALEN Resources Oil & Gas Co. on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this decision. If additional documentation for changes of operator are required by our field offices, you will be contacted by them.

A rider to the Nationwide Bond No. U1870111 (BLM Bond No. WY2554) has been filed in the Wyoming State Office, in order to change the name of the principal on the bond. It has been examined and found to be satisfactory by that office.

/s/ ROBERT LOPEZ

Chief, Minerals
Adjudication Section

Enclosure
Exhibit

bc: Moab District Office w/encl.
Vernal District Office w/encl.
MMS-Data Management Division, Denv
UT-922 (Teresa Thompson) w/encl.

Post-It™ brand fax transmittal memo 7671		# of pages ▶ 2	
To	LISHA CARDONA	From	CHRIS MERRITT
Co.	STATE OF UTAH	Co.	BLM
Dept.	OIL & GAS	Phone #	539-4109
Fax #	359-3940	Fax #	539-4260

List of Leases Affected

U-01470A	U-6632	UTU-65615	UTU-68631
U-01790	U-6634	UTU-66004	UTU-69024
U-02896A	U-7206	UTU-66027	UTU-69166
U-03505	U-10291	UTU-66033	UTU-69482
U-03576	U-10760	UTU-66184	UTU-69744
U-013429A	U-11385	UTU-66185	UTU-72104
U-013765	U-12942	UTU-66187	UTU-73087
U-013766	U-13905	UTU-66193	UTU-73089
U-013767	U-14236	UTU-66484	UTU-73433
U-013769	U-15392	UTU-66743	UTU-73512
U-013769A	U-16172	UTU-67168	U-47453 ROW
U-013769B	U-16535	UTU-67841	U-49204 ROW
U-013769C	U-16539	UTU-67857	U-49205 ROW
U-013792	U-16544	UTU-67996	U-49223 ROW
U-013793	U-17036	UTU-67997	U-49236 ROW
U-013793A	U-17424	UTU-68108	U-49243 ROW
U-013794	U-19267	UTU-68109	U-50487 ROW
U-013818A	U-30096	UTU-68316	U-50488 ROW
U-013820	U-39221	UTU-68328	U-50497 ROW
U-013821A	U-39713	UTU-68330	U-50806 ROW
U-017713	U-39714	UTU-68338	U-50809 ROW
U-035316	U-40026	UTU-68346	U-50825 ROW
U-037164	U-46825	UTU-68347	U-50833 ROW
U-0141644	U-47171	UTU-68348	U-53910 ROW
U-0143519	U-49092	UTU-68388	U-54803 ROW
U-0143520A	U-50750	UTU-68402	U-61946 ROW
U-0143521A	U-52765	UTU-68544	U-63969 ROW
U-0147541	U-55626	UTU-68548	UTU-69111 ROW
U-0147541A	U-58546	UTU-68619	
U-2838	U-61052	UTU-68624	
U-6610	U-61189	UTU-68625	
U-6612	U-62657	UTU-68626	
U-6615	UTU-65218	UTU-68627	

U-034207A *Confirmed BLM/SLY
11-29-94. Jec

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-EC/GIL
2-LWP 7-PL
3-DPS-8-SJ
4-VLC 9-FILE
5-RJF
6-LWP

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 DATE: 10-1-94)

TO (new operator)	DALEN RESOURCES OIL & GAS CO.	FROM (former operator)	PG&E RESOURCES COMPANY
(address)	6688 N CENTRAL EXP STE 1000	(address)	6688 N CENTRAL EXP STE 1000
	DALLAS TX 75206-3922		DALLAS TX 75206-3922
phone (214)	750-3800	phone (214)	750-3800
account no.	N3300 (11-29-94)	account no.	N 0595

Well(s) (attach additional page if needed):

***WELLS DRAW (GRRV) UNIT**
***WEST WILLOW CREEK UNIT**

Name: **SEE ATTACHED**	API: <u>013-31228</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(rec'd 10-3-94)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(rec'd 10-3-94)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes) no) ____ If yes, show company file number: # FN001519. "Dalen Resources Corp." eff. 6-15-94.
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(11-29-94)*
6. Cardex file has been updated for each well listed above. *12-7-94*
7. Well file labels have been updated for each well listed above. *12-8-94*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(11-29-94)*
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

- Yes* 1. (Rule R615-8-7) 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. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) *Surety U1870145/80,000. "Rider to Daken" no'd 10-3-94. *Trust Lead/Ed "Rider" Aprv. 10-5-94 # U2164274/80,000.*

- Yes* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new ^{*Upon compl. of routing.*} and former operators' bond files.
- Yes* / *N/A* 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

DD 2. Copies of documents have been sent to State Lands for changes involving State leases. *2/8/94 to Ed Bonn*

FILMING

- 1. All attachments to this form have been microfilmed. Date: December 15 1994.

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 have been filed in the Operator Change file.

COMMENTS

941108 Btm/S.F. Not Aprv. yet!

941125 " Aprv.'d.

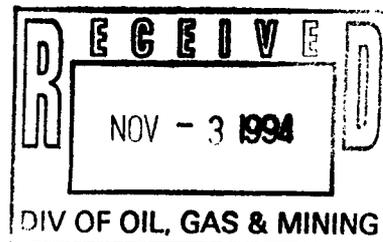
DALEN Resources
Oil & Gas Co.



October 31, 1994

Kent E. Johnson
Vice President
Exploration/Development

STATE OF UTAH NATURAL RESOURCES
OIL & GAS MINING
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
Attn: Gil Hunt



Re: Name Change
PG&E Resources Company

Gentlemen:

Effective October 1, 1994, PG&E Resources Company (PG&ER) changed its name to **DALEN** Resources Oil & Gas Co. As a result of this action, all activities previously conducted in the name of PG&E Resources Company will subsequently be conducted by **DALEN** Resources Oil & Gas Co.. No changes in ownership, personnel, office address, telephone numbers, or business practices were caused by this name change.

Please revise your records by replacing PG&E Resources Company or PG&E Resources Offshore Company with **DALEN** Resources Oil & Gas Co.

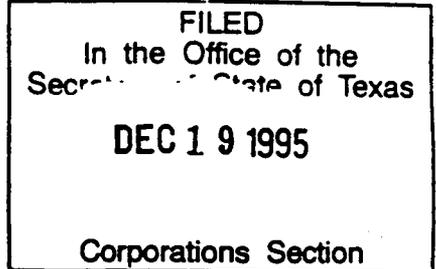
Very truly yours,

A handwritten signature in cursive script that reads "John R. Wingert".

John R. Wingert
Exploration Manager
Northern Division

JRW:lkd

ARTICLES OF MERGER OF
DALEN Corporation
INTO
Enserch Exploration, Inc.



Pursuant to the provisions of Article 5.16 of the Texas Business Corporation Act, Enserch Exploration, Inc., a corporation organized under the laws of the State of Texas ("Parent Corporation"), and owning at least ninety percent of the shares of DALEN Corporation, a corporation organized under the laws of the State of Delaware ("Subsidiary Corporation"), hereby executes the following Articles of Merger:

1. The name of the Parent Corporation is Enserch Exploration, Inc. The name of the Subsidiary Corporation is DALEN Corporation. Enserch Exploration, Inc. is incorporated in Texas, and DALEN Corporation is incorporated in Delaware.
2. The following is a copy of resolutions of the Board of Directors of Enserch Exploration, Inc. or Parent Corporation ("Enserch") adopted on December 5, 1995:

"WHEREAS Section 5.16 of the Texas Business Corporation Act permits short-form mergers if the subsidiary is a foreign corporation and the parent is a Texas corporation, provided that this procedure is permitted by the laws of the foreign corporation's jurisdiction of incorporation and

"WHEREAS Section 253 of the General Corporation Law of Delaware provides for short-form mergers between a domestic subsidiary corporation and a foreign parent corporation,

"RESOLVED, That DALEN Corporation, a Delaware corporation ('DALEN'), which is a wholly-owned subsidiary of Enserch, merge with and into Enserch Exploration, Inc. pursuant to Section 5.16 of the Texas Business Corporation Act (the 'Merger'), effective as of 4:55 P.M., Dallas, Texas time, on December 31, 1995, and that Enserch Exploration, Inc. assume all of the obligations of DALEN at such time; and

"**FURTHER RESOLVED**, That the proper officers of this Company are hereby authorized and empowered to file with the Secretary of State of the State of Texas Articles of Merger and with the Secretary of State of Delaware a Certificate of Ownership and Merger to effect the Merger of DALEN into this Company and to take, or cause to be taken, all such further action and to execute and deliver or cause to be executed and delivered, in the name of and on behalf of this Company, all such further instruments and documents as any such officer may deem to be necessary or advisable in order to effect the purpose and intent of the foregoing resolutions and to be in the best interests of this Company (as conclusively evidenced by the taking of such action or the execution and delivery of such instruments and documents, as the case may be, by or under the direction of any such officer)."

3. The number of outstanding shares of each class of the Subsidiary Corporation and the number of shares of each class owned by the surviving Parent Corporation is:

Company	Class	No. of Shares Outstanding	No. of Shares Owned by Parent Corporation
Subsidiary Corporation	Common	100	100

4. The laws of Delaware, the jurisdiction under which Subsidiary Corporation is organized, permit such a merger.

Dated this 12th day of December, 1995.

ENSERCH EXPLORATION, INC.

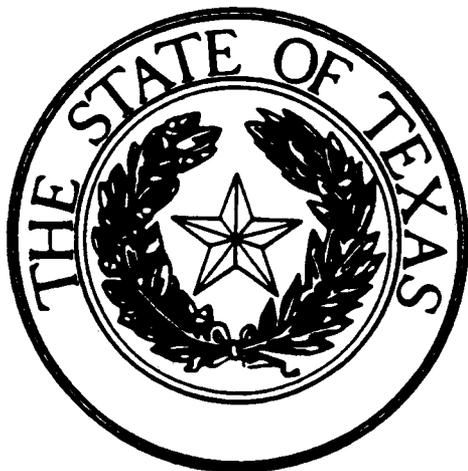
By: J. W. Pinkerton
 Name: J. W. Pinkerton
 Title: Vice President and Controller,
 Chief Accounting Officer



The State of Texas

SECRETARY OF STATE

I, ANTONIO O. GARZA, JR., Secretary of State of Texas, DO HEREBY CERTIFY that Articles of Merger of **ENSERCH EXPLORATION, INC.** (Charter No. 1323890-00), a **TEXAS** corporation, and **DALEN CORPORATION**, a **DELAWARE (No Permit)** corporation, were filed in this office on **DECEMBER 19, 1995**, for which a certificate of merger was issued; and that according to the terms of the merger the surviving corporation is **ENSERCH EXPLORATION, INC.**, a **TEXAS** corporation.



IN TESTIMONY WHEREOF, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in the City of Austin, on December 19, 1995.

Antonio O. Garza, Jr.

Antonio O. Garza, Jr.
Secretary of State

MAC

**ENSERCH
EXPLORATION** INC

4849 Greenville Ave., Suite 1200
Dallas, Texas 75206-4186
214/369-7893

January 11, 1996

Bureau of Land Management
Utah State Office
324 South State
Salt Lake City, UT 84111

Attention: Mr. Chris Merritt

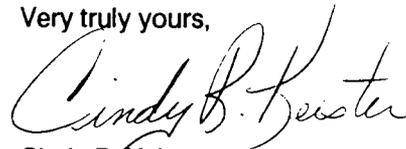
RE: Operator Name Change

Dear Mr. Merritt:

DALEN Resources Oil & Gas Co. has been merged into Enserch Exploration, Inc. effective January 1, 1996. Attached is a list of the properties that were operated by DALEN Resources and a copy of the Certificate of Merger from the Secretary of the State of Texas. Please change the operator name on these properties. Enserch Exploration, Inc. operates under Nationwide Bond No. 203826, BLM assigned No. MT-0680.

If you have any questions or need further information, please contact the undersigned at (214) 987-6363.

Very truly yours,



Cindy R. Keister
Regulatory Compliance Specialist

CRK/ck

Attachments

cc: Vernal BLM Office w/attachments

**United States Department of the Interior
BUREAU OF LAND MANAGEMENT**

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

FEB 12 1996

IN REPLY REFER TO:
3100
U-01470A et al
UT-923

FEB 09 1996

NOTICE

Enserch Exploration, Inc.	:	Oil and Gas
4849 Greenville Ave., Suite 1200	:	U-01470A et al
Dallas, Texas 75206-4186	:	

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of DALEN Resources Oil & Gas Co. into Enserch Exploration, Inc. with Enserch Exploration, Inc. being the surviving entity.

For our purposes, the merger is recognized effective December 31, 1995 (Secretary of State's approval date).

The oil and gas lease files identified on the enclosed exhibit have been noted as to the merger. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field offices, you will be contacted by them.

If you identify other leases in which the merging entity maintains an interest, please contact this office and we will appropriately document those files with a copy of this notice.

By recognition of the merger, the principal/obligor is automatically changed by operation of law from DALEN Resources Oil & Gas Co. to Enserch Exploration, Inc. on Bond No. U1870111 (BLM Bond No. WY2554). This is a nationwide bond held in the Wyoming State Office. Enserch Exploration, Inc. has a nationwide bond, No. 203826 (BLM Bond No. MT0680) on file in the Montana State Office. Only one of the bonds is required to cover liabilities for lease obligations. However, both bonds will remain in effect until the principal/obligor advises the appropriate BLM State Office which bond it wishes to maintain and which bond it wishes to have the period of liability terminated. A rider, assuming any and all liabilities of the bond you wish to terminate must be submitted for approval to the appropriate BLM State Office. If you have any questions concerning the bonding, please contact Irene Anderson at (801) 539-4108.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral
Leasing Adjudication

Enclosure

1. Exhibit (1p)

bc: State of Utah, Division of Oil, Gas & Mining, Attn: Lisha Cordova,
3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1204
MMS-Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
Moab District Office
Vernal District Office
Teresa Thompson (UT-920)
Irene Anderson (UT-923)

Exhibit of Leases

U-01470A	U-0143521A	U-52765	UTU-68328
U-01790	U-0147541	U-55626	UTU-68330
U-02896A	U-0147541A	U-58546	UTU-68338
U-03505	U-2838	U-61052	UTU-68346
U-03576	U-7206	U-61189	UTU-68347
U-013429A	U-10291	U-62657	UTU-68348
U-013765	U-10760	UTU-65218	UTU-68388
U-013766	U-11385	UTU-65472	UTU-68402
U-013767	U-13905	UTU-65615	UTU-68544
U-013769	U-14236	UTU-65949	UTU-68548
U-013769A	U-15392	UTU-66004	UTU-68619
U-013769B	U-16535	UTU-66027	UTU-68624
U-013769C	U-16539	UTU-66033	UTU-68625
U-013792	U-16544	UTU-66184	UTU-68626
U-013793	U-17036	UTU-66185	UTU-68627
U-013793A	U-17424	UTU-66193	UTU-68631
U-013794	U-19267	UTU-66484	UTU-69024
U-013818A	U-30096	UTU-66743	UTU-69166
U-013820	U-39221	UTU-67168	UTU-69482
U-013821A	U-39713	UTU-67841	UTU-72104
U-017713	U-39714	UTU-67857	UTU-73087
U-035316	U-40026	UTU-67996	UTU-73089
U-037164	U-47171	UTU-67997	UTU-73433
U-0141644	U-49092	UTU-68108	UTU-73512
U-0143519	U-50750	UTU-68109	UTU-74805
U-0143520A	U-51081	UTU-68316	UTU-74806
U-034217A	U-07978	UTU-72108	UTU-74872

Wells Draw Unit (UTU-72613A)
West Willow Creek Unit (UTU-73218X)
Pleasant Valley Unit (UTU-74477X)



The State of Texas

SECRETARY OF STATE CERTIFICATE OF MERGER

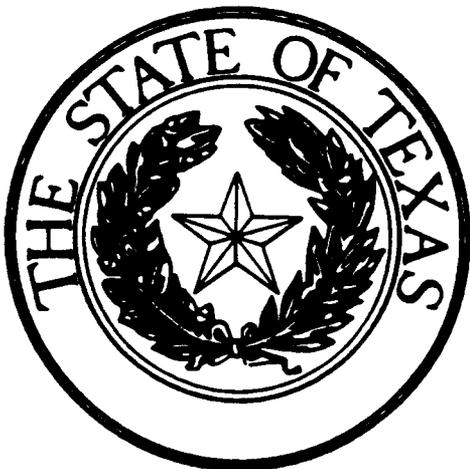
The undersigned, as Secretary of State of Texas, hereby certifies that the attached Articles of Merger of

DALEN CORPORATION
a Delaware no permit corporation
with
ENSERCH EXPLORATION, INC.
a Texas corporation

have been received in this office and are found to conform to law. ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the Secretary by law, hereby issues this Certificate of Merger.

Dated December 19, 1995.

Effective December 31, 1995 04:55 PM



Antonio O. Garza, Jr.

Antonio O. Garza, Jr.
Secretary of State

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

(MERGER)

Routing:	
1- LJC / GHS	<input checked="" type="checkbox"/>
2- DTS / FILE	<input checked="" type="checkbox"/>
3- VLD / 8-FILE	<input checked="" type="checkbox"/>
4- RJE /	<input checked="" type="checkbox"/>
5- LK	<input checked="" type="checkbox"/>
6- SJ	<input checked="" type="checkbox"/>

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 DATE: 1-1-96)

TO (new operator) <u>ENSERCH EXPLORATION INC</u>	FROM (former operator) <u>DALEN RESOURCES OIL & GAS</u>
(address) <u>4849 GREENVILLE AVE STE 1200</u>	(address) <u>6688 N CENTRAL EXP #1000</u>
<u>DALLAS TX 75206</u>	<u>DALLAS TX 75206-3922</u>
<u>CINDY KEISTER</u>	<u>CINDY KEISTER</u>
phone <u>(214) 987-6353</u>	phone <u>(214) 987-6353</u>
account no. <u>N4940 (1-29-96)</u>	account no. <u>N3300</u>

Well(s) (attach additional page if needed):

Name: <u>** SEE ATTACHED **</u>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 1-22-96)*
2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 1-22-96)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #171513. *(ref. 1-4-95)*
4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-12-96)*
6. Cardex file has been updated for each well listed above. *(2-12-96)*
7. Well file labels have been updated for each well listed above. *(2-12-96)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(2-12-96)*
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

- 1. (Rule R615-8-7) 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).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) *Trust lands / Bond & lease update in progress!*

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 2/15/96 1996. If yes, division response was made by letter dated 2/15/96 1996.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 2/15/96 1996, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

All attachments to this form have been microfilmed. Date: March 13 1996.

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 have been filed in the Operator Change file.

COMMENTS

960212 BLM/SL Oprv. eH. 12-31-95.

UTAH WELLS
ENSERCH EXPLORATION, INC.

1/11/96

UNIT	WELL		LSE NO.	API NO.	QTR	SEC.	TWN	RANGE	COUNTY
* Federal		11- 4G	U-30096	✓43-013-31250	NW NW	4	9S	16E	Duchesne
* Federal		12- 4G	U-30096	✓43-013-3699	SW NW	4	9S	16E	Duchesne
✓ * Federal		21- 4G	U-30096	43-013-31272	NE NW	4	9S	16E	Duchesne
* Federal		31- 4G	U-30096	✓43-013-31228	NW SE	4	9S	16E	Duchesne
* Federal		42- 4G	U-30096	✓43-013-30638	SE NE	4	9S	16E	Duchesne
* Federal		21- 5G	U-30096	✓43-013-30698	NE NW	5	9S	16E	Duchesne
* Federal		22- 5G	U-30096	✓43-013-31273	SE NW	5	9S	16E	Duchesne
* Federal		23- 5G	U-30096	✓43-013-31207	NE SW	5	9S	16E	Duchesne
* Federal		31- 5G	U-30096	✓43-013-31252	NW NE	5	9S	16E	Duchesne
✓ * Federal		32- 5G	U-30096	43-013-30670	SW NE	5	9S	16E	Duchesne
✓ * Federal		41- 5G	U-30096	43-013-31205	NE SW	5	9S	16E	Duchesne
* Federal		43- 5G	U-034217-A	43-013-30858	NE SE	5	9S	16E	Duchesne
* Federal		13- 33B	U-49092	✓43-013-31277	NW SW	33	8S	16E	Duchesne
✓ * Federal		14- 33B	U-49092	43-013-31229	SW SW	33	8S	16E	Duchesne
* Federal		23- 33B	U-49092	✓43-013-31251	NE SW	33	8S	16E	Duchesne
* Federal		24- 33B	U-49092	✓43-013-31214	SE SW	33	8S	16E	Duchesne
* Federal		33- 33B	U-49092	✓43-013-31268	NW SE	33	8S	16E	Duchesne
✓ * Federal		34- 33B	U-49092	43-013-31269	SW SE	33	8S	16E	Duchesne
✓ * Federal		43- 33B	U-49092	43-013-31240	NE SE	33	8S	16E	Duchesne
* Federal		44- 33B	U-49092	✓43-013-31270	SE SE	33	8S	16E	Duchesne
* Federal		13- 34B	U-47171	✓43-013-31271	NW SW	34	8S	16E	Duchesne
✓ * Federal		14- 34B	U-47171	43-013-31225	SW SW	34	8S	16E	Duchesne
* Federal		23- 34B	U-47171	✓43-013-31241	NE SW	34	8S	16E	Duchesne
** Federal		14- 4	U-07978	✓43-013-30671	SW SW	4	9S	17E	Duchesne
** Federal		34- 5	UTU-72108	✓43-013-30721	SW SE	5	9S	17E	Duchesne
** Federal		44- 5	UTU-72108	✓43-013-30913	SE SE	5	9S	17E	Duchesne
** Federal		12- 8H	U-10760	✓43-013-30680	SW NW	8	9S	17E	Duchesne
** Federal		21- 8H	U-10760	✓43-013-31460	NE NW	8	9S	17E	Duchesne
** Federal		22- 8H	U-10760	✓43-013-31457	SE NW	8	9S	17E	Duchesne
** Federal		31- 8H	U-10760	✓43-013-30679	NW NE	8	9S	17E	Duchesne
** Federal		32- 8H	U-10760	✓43-013-30542	SW NE	8	9S	17E	Duchesne
** Federal		41- 8H	U-10760	✓43-013-30741	NE NE	8	9S	17E	Duchesne
** Federal		42- 8H	U-10760	✓43-013-30678	SE NE	8	9S	17E	Duchesne
** Federal		24- 15H	U-10760	✓43-013-30681	SE SW	15	9S	17E	Duchesne
** Federal		11- 9H	U-50750	✓43-013-30887	NW NW	9	9S	17E	Duchesne
** Federal		12- 9H	U-50750	✓43-013-30983	SW NW	9	9S	17E	Duchesne
** Federal		13- 9H	U-50750	✓43-013-30656	NW SW	9	9S	17E	Duchesne
** Federal		14- 9H	U-50750	✓43-013-31459	SW SW	9	9S	17E	Duchesne
Federal		32-29	U-19267	✓43-047-31175	SWNE	29	9S	18E	WINSTON

30699
W/W

30698

W/W

W/W

W/W

W/W

W/W

W/W

ORL

POW

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

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		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
NGC 24-15H FEDERAL						
4301330681 06150 09S 17E 15	GRRV			U-10760		
FEDERAL 32-29						
4304731175 06170 09S 18E 29	GRRV			U-19267		
GOVERNMENT FOWLER 20-1						
4301330563 09555 09S 17E 20	GRRV			U-13905		
FEDERAL 12-9-H						
4301330983 09830 09S 17E 9	GRRV			U-50750	Pleasant Valley Unit	
FEDERAL 23-9-H						
4301331206 10868 09S 17E 9	GRRV			U-50750	"	
FEDERAL 24-33-B						
4301331214 10913 08S 16E 33	GRRV			U-49092	Wells Draw Unit	
FEDERAL 31-4-G						
4301331228 10979 09S 16E 4	GRRV			U-30096	"	
FEDERAL 23-34-B						
4301331241 11041 08S 16E 34	GRRV			U-47171	"	
FEDERAL 11-4-G						
4301331250 11046 09S 16E 4	GRRV			U-30096	"	
FEDERAL 23-33-B						
4301331251 11047 08S 16E 33	GRRV			U-49092	"	
FEDERAL 31-5-G						
4301331252 11054 09S 16E 5	GRRV			U-30096	"	
FEDERAL 44-33-B						
4301331270 11084 08S 16E 33	GRRV			U-49092	"	
FEDERAL 33-33-B						
4301331268 11086 08S 16E 33	GRRV			U-49092	"	
TOTALS						

COMMENTS: _____

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. -

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 31-4G

9. API Well No.

43-013-31228

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

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 Avenue, Suite 1200, Dallas, Texas 75206-4186 (214) 369-7893

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

Section 4, NW/4 NE/4 T9S-R16E

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment

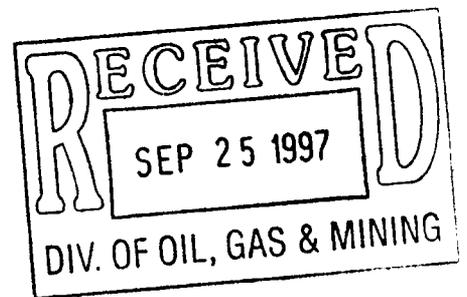
- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Change of Operator

- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completions in 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 WDU #31-4G Federal 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

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.

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 4, NW/4 NE/4 T9S-R16E

5. Lease Designation and Serial No.
 U-30096

6. If Indian, Allottee or Tribe Name
 NA

7. If Unit or CA, Agreement Designation
 Wells Draw Unit

8. Well Name and No.
 Federal 31-4G

9. API Well No.
 43-013-31228

10. Field and Pool, or Exploratory Area
 Wells Draw (GR)

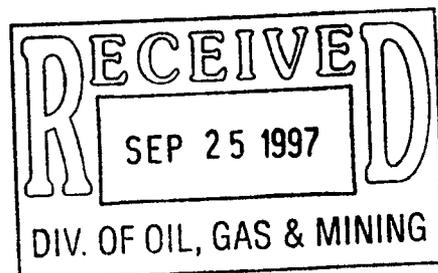
11. County or Parish, State
 Duchesne County, Utah

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"/> 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:

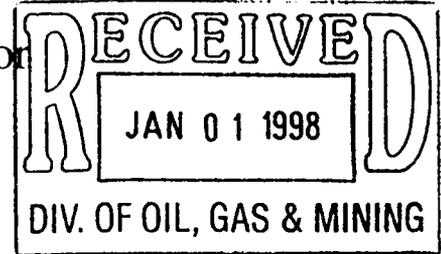
CC: UTAH DOGM



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



December 31, 1997

Inland Production Company
c/o UnitSource Incorporated
11184 Huron Street, Suite 16
Denver, Colorado 80234

Re: Wells Draw (Green River) Unit
Duchesne County, Utah

Gentlemen:

On December 30, 1997, we received an indenture dated September 1, 1997, whereby Enserch Exploration, Inc. resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Wells Draw (Green River) Unit, Duchesne County, Utah.

The indenture was approved by all required parties and the parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective December 31, 1997. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Wells Draw (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Wells Draw (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ George Diwachak

for Robert A. Henricks
Chief, Branch of Fluid Minerals

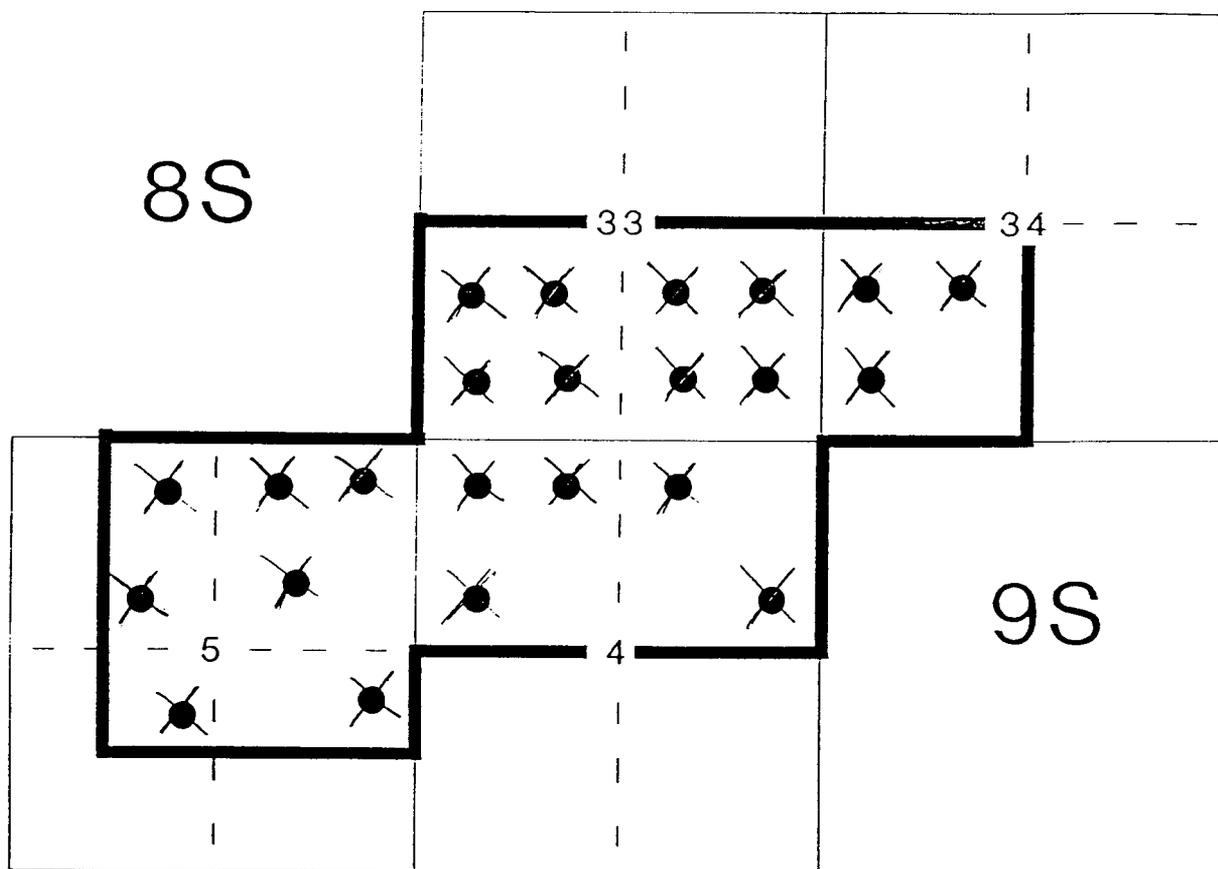
Enclosure

bcc: District Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Wells Draw (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:12/31/97

WELLS DRAW (GREEN RIVER) UNIT

Uintah County, Utah



— UNIT OUTLINE (UTU72613A)

SECONDARY
ALLOCATION
FEDERAL 100%

OPERATOR INLAND PRODUCTION CO

OPERATOR ACCT. NO. H 5160

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		12276							DUCHESNE		8-16-97
WELL 1 COMMENTS: *SEE ATTACHED LIST;OP CHG FR N4940 EFF 8-16-97 (WELLS DRAW (GRRV) UNIT) OPERATOR REQ CHG FOR TAX & ROYALTY; & DISPOSITION REPORTING.											
WELL 2 COMMENTS:											
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.

L. CORDOVA (DOGM)
 Signature
ADMIN. ANALYST 1-2-98
 Title Date
 Phone No. () _____

INLAND PRODUCTION COMPANY
(N5160)

CURRENT ENTITY	NEW ENTITY	API NUMBER	WELL NO.	SEC-T-R	EFF. DATE
02043	12276	43-013-30858	43-5	05-09S-16E	8-16-97
06100	"	43-013-30699	12-4G	04-09S-16E	"
06105	"	43-013-30698	21-5G	05-09S-16E	"
06105	"	43-013-31207	23-5-G	05-09S-16E	"
06115	"	43-013-30638	42-4	04-09S-16E	"
10913	"	43-013-31214	24-33-B	33-08S-16E	"
10979	"	43-013-31228	31-4-G	04-09S-16E	"
11041	"	43-013-31241	23-34-B	34-08S-16E	"
11046	"	43-013-31250	11-4-G	04-09S-16E	"
11047	"	43-013-31251	23-33-B	33-08S-16E	"
11054	"	43-013-31252	31-5-G	05-09S-16E	"
11084	"	43-013-31270	44-33-B	33-08S-16E	"
11086	"	43-013-31268	33-33-B	33-08S-16E	"
11092	"	43-013-31277	13-33-B	33-08S-16E	"
11103	"	43-013-31273	22-5-G	05-09S-16E	"
11104	"	43-013-31271	13-34-B	34-08S-16E	"
10988	"	43-013-31229	14-33-B	33-08S-16E	"
11007	"	43-013-31240	43-33-B	33-08S-16E	"
11079	"	43-013-31269	34-33-B	33-08S-16E	"
10980	"	43-013-31225	14-34-B	34-08S-16E	"
11107	"	43-013-31272	21-4-G	04-09S-16E	"
10859	"	43-013-31205	41-5-G	05-09S-16E	"
06110	"	43-013-30670	32-5G	05-09S-16E	"

OPERATOR CHANGE WORKSHEET

Routing	
1-LEC ✓	6-LEC ✓
2-GEH ✓	7-KAS ✓
3-DPS ✓	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)	<u>INLAND PRODUCTION CO</u>	FROM: (old operator)	<u>ENSERCH EXPLORATION INC</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>4849 GREENVILLE AVE #1200</u>
	<u>ROOSEVELT UT 84066</u>		<u>DALLAS TX 75206-4145</u>
Phone:	<u>(801)722-5103</u>	Phone:	<u>(214)987-7859</u>
Account no.	<u>N5160</u>	Account no.	<u>N4940</u>

***WELLS DRAW (GREEN RIVER) UNIT**

WELL(S) attach additional page if needed:

Name: **SEE ATTACHED**	API: <u>43-013-31228</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: _____

OPERATOR CHANGE DOCUMENTATION

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)*
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)*
3. N/A 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: _____
4. LEC **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.
5. LEC Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-2-98) X UIC DBase & Qua Hro Pro.*
6. LEC **Cardex** file has been updated for each well listed above. *(1-2-98)*
7. LEC Well **file labels** have been updated for each well listed above. *(1-2-98)*
8. LEC Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-2-98)*
9. LEC 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

- Yes 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- Yes 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.
- Yes 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.
- 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

- Yes 1. All attachments to this form have been **microfilmed**. Today's date: 1.20.98.

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

980102 BLM/SL Aprv. Wells Draw (GRV) Unit off. 12-31-97.

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-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

FEDERAL 31-4-G

9. API Well No.

43-013-31228

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.

410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102

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

0500 FNL 1900 FEL NW/NE Section 4, T09S R16E

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 **Recompletion**

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

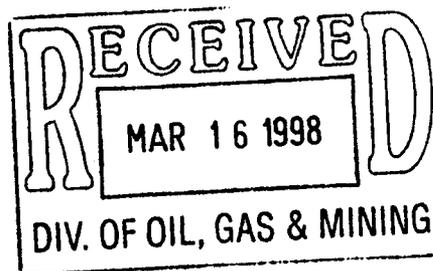
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

WEEKLY STATUS REPORT FOR THE PERIOD OF 3/4/98 - 3/11/98

Place well on production @ 6:45 PM, 3/7/98.

Perf C sds @ 5114-18' & 5131-35'.



*WTC
1-4-99
RSL*

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

Signed Shannon Smith Title Engineering Secretary Date 3/12/98

(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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved
Budget Bureau 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 DEEPEN PILE BACK DIFF. DEPTH Other _____

2. NAME OF OPERATOR
Inland Production Company

3. ADDRESS OF OPERATOR
410 17th Street, Suite 700, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)²
At surface NW-NE

At top prod. interval reported below 500' FNL and 1900' FEL

At total depth

14. PERMIT NO. 43-013-31228 DATE ISSUED _____

6. WELL NO.
Federal #314-G

10. FIELD AND POOL OR WILDCAT
Monument Butte

11. M.C. T. R. M. OR BLOCK AND SURVEY OR ANNA _____

Sec. 4-T95-R16E

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPIDDED 4-27-89 16. DATE T.D. REACHED 5-10-89 17. DATE COMPL. (Ready to prod.) 6-7-89 18. ELEVATIONS (DV. REF. RT. OR, ETC.)³ 5713' GL 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 6475' 21. PLUG, BACK T.D., MD & TVD 5603' 22. IF MULTIPLE COMPL., HOW MANY? _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)⁴
Green River 4950' - 5396' 25. WAS DIRECT (INAT. SURVEY MAP) _____

26. TYPE ELECTRIC AND OTHER LOGS RUN Previously submitted 27. WAS WELL CORN _____

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT CEMENT

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT ⁵	SCREEN (MD)	30. TUBING RECORD
					SIZE <u>2 7/8"</u> DEPTH SET (MD) <u>5356'</u> PACKER SET (MD) _____

31. PERFORATION RECORD (Interval, size and number)

Added Perforations:
C Sand - 5114'-18'; 5131'-35' 4 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	<u>5114'-5135'</u>	<u>118,300 # 20/40 sd in 482 bbls Delta</u>

32. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut in)					
<u>6-7-89</u>	<u>Pumping - 2 1/2" x 1 1/2" x 16' RHAC</u>	<u>Producing</u>					
DATE OF TEST	HOURS TESTED	CHARGE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>10 Day Avg</u>	<u>4/98</u>			<u>4</u>	<u>2</u>	<u>2</u>	<u>.500</u>
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Gold, used for fuel, vented, etc.)
Sold and used for fuel 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 Debbie E. Knight TITLE Permitting Specialist DATE 4-14-93

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

Received Time Mar. 4 10:28 AM

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-30096

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
WELLS DRAW

8. Well Name and No.
FEDERAL 31-4-G

9. API Well No.
43-013-31228

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)
0500 FNL 1900 FEL NW/NE Section 4, T09S R16E

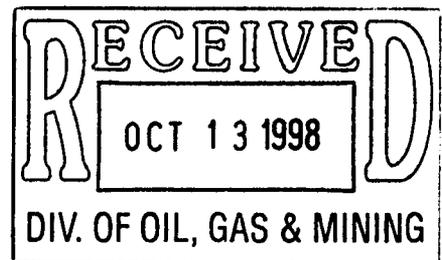
12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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>Site Security</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 direction-ally 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 10/8/98

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____

Conditions of approval, if any:
CC: UTAH DOGM

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.

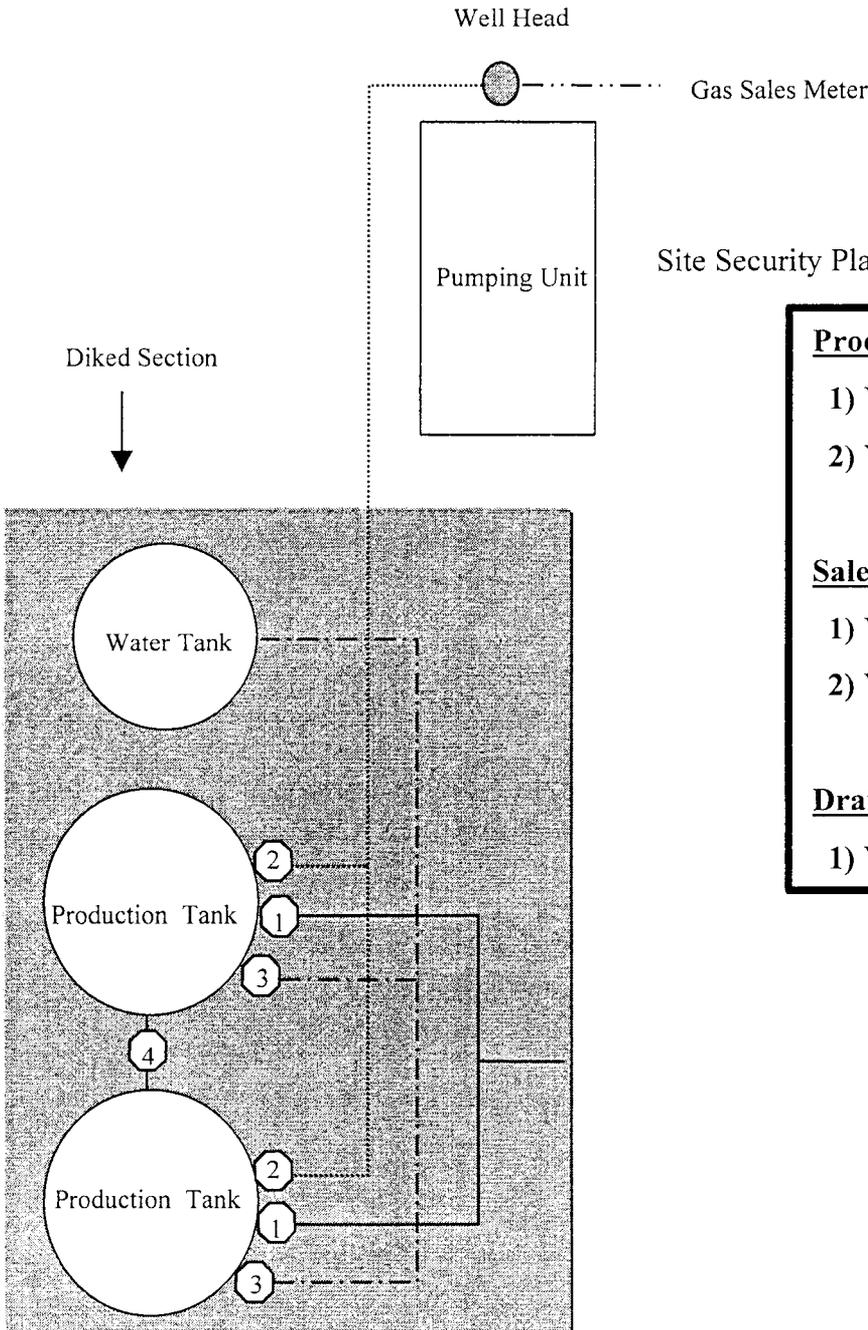
Inland Production Company Site Facility Diagram

Wells Draw 31-4G

NW/NE Sec. 4, T9S, 16E

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	- · - · - ·



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



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 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

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		

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:		9/1/2004
FROM: (Old Operator): N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	TO: (New Operator): N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	

CA No.	Unit:	Wells Draw (Green River)
---------------	--------------	---------------------------------

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
WELLS DRAW FED 44-31	31	080S	160E	4301331116	12276	Federal	OW	P
STATE 32-32	32	080S	160E	4301330993	12276	State	WI	A
STATE 14-32	32	080S	160E	4301331039	12276	State	WI	I
STATE 24-32	32	080S	160E	4301331040	12276	State	OW	P
STATE 23-32	32	080S	160E	4301331041	12276	State	WI	A
STATE 13-32	32	080S	160E	4301331112	12276	State	OW	P
GAVILAN ST 22-32	32	080S	160E	4301331168	12276	State	OW	P
STATE 33-32	32	080S	160E	4301331185	12276	State	OW	P
FEDERAL 24-33-B	33	080S	160E	4301331214	12276	Federal	OW	P
FEDERAL 14-33-B	33	080S	160E	4301331229	12276	Federal	WI	A
FEDERAL 43-33-B	33	080S	160E	4301331240	12276	Federal	WI	A
FEDERAL 14-34-B	34	080S	160E	4301331225	12276	Federal	WI	A
FEDERAL 23-34-B	34	080S	160E	4301331241	12276	Federal	WI	A
FEDERAL 42-4	04	090S	160E	4301330638	12276	Federal	OW	P
NGC 12-4G	04	090S	160E	4301330699	12276	Federal	WI	A
FEDERAL 31-4-G	04	090S	160E	4301331228	12276	Federal	OW	P
NGC FED 32-5G	05	090S	160E	4301330670	12276	Federal	WI	A
NGC FED 21-5G	05	090S	160E	4301330698	12276	Federal	WI	A
CASTLE PEAK 43-5	05	090S	160E	4301330858	12276	Federal	WI	A
WELLS DRAW FED 11-5	05	090S	160E	4301331144	12276	Federal	OW	P
FEDERAL 41-5-G	05	090S	160E	4301331205	12276	Federal	WI	A
FEDERAL 23-5-G	05	090S	160E	4301331207	12276	Federal	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
- Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
- If **NO**, the operator was contacted on:

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**

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.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.
USA UTU-30096

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
WELLS DRAW UNIT

8. Well Name and No.
FEDERAL 31-4G

9. API Well No.
4301331228

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include are code)
435.646.3721

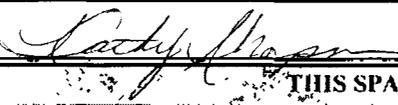
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
500 FNL 1900 FEL
NWNE Section 4 T9S R16E

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	Status change _____
	<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.)

The above reference well was placed on produciton 2-4-07.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Kathy Chapman	Title Office Manager
Signature 	Date 02/05/2008

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)

RECEIVED

FEB 06 2008

DIV. OF OIL, GAS & MINING



October 11, 2010

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
Post Office Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Wells Draw Federal #31-4G-9-16
Monument Butte Field, Lease #UTU-30096
Section 4-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Wells Draw Federal #31-4G-9-16 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 me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg", written over a horizontal line.

Eric Sundberg
Regulatory Lead

RECEIVED
OCT 19 2010
DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
WELLS DRAW FEDERAL #31-4G-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-30096
OCTOBER 11, 2010

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STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: Wells Draw Federal #31-4G-9-16
Field or Unit name: Monument Butte (Green River) Lease No. UTU-30096
Well Location: QQ NWNE section 4 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? Yes [X] No []
Will the proposed well be used for: Enhanced Recovery? Yes [X] No []
Disposal? Yes [] No [X]
Storage? Yes [] No [X]
Is this application for a new well to be drilled? Yes [] No [X]
If this application is for an existing well,
has a casing test been performed on the well? Yes [] No [X]
Date of test: _____
API number: 43-013-31228

Proposed injection interval: from 4240 to 6355
Proposed maximum injection: rate 500 bpd pressure 1732 psig
Proposed injection zone contains [x] 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-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature 
Title Regulatory Lead Date 10/11/2006
Phone No. (303) 893-0102

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

Federal #31-4G-9-16

Spud Date: 4-27-89
 Put on Production: 6-7-89
 GL: 5713' KB: 5729'

Initial Production: 102 BOPD, 0 MCFD
 15 BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: K-55
 WEIGHT: 36#
 LENGTH: 8 JTS
 DEPTH LANDED: 300'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 sks Class "G" cmt, est 8 bbls to surface

PRODUCTION CASING

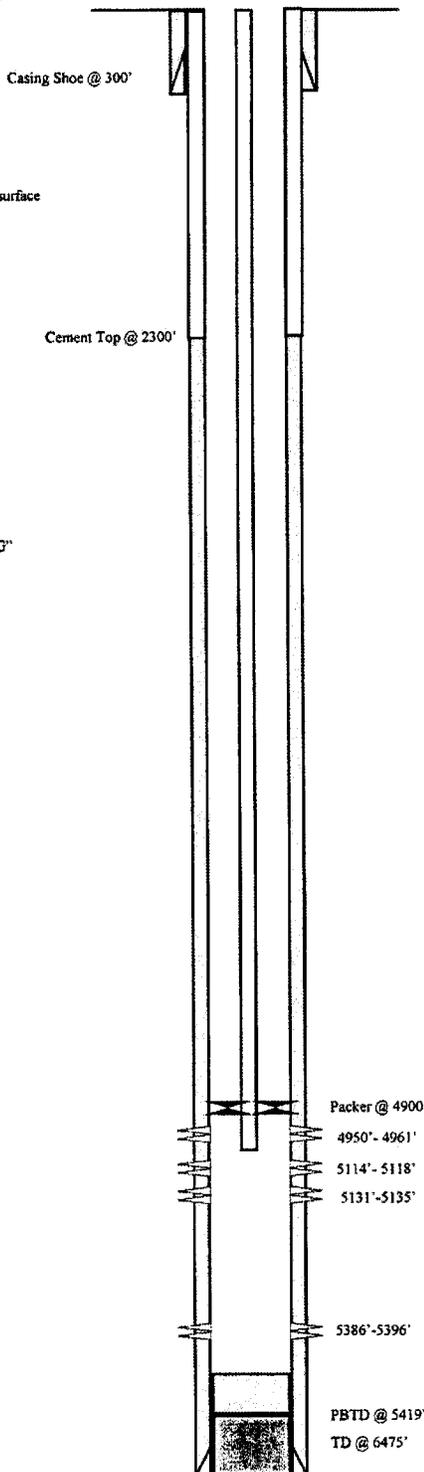
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: 132 jts
 SET AT: 5603'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 260 sks HI-Lift & 580 sks Class "G"
 CEMENT TOP AT: 2300'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 166 jts (5280.59')
 TUBING ANCHOR: 5292.59' KB
 NO. OF JOINTS: 1 jt (31.66)
 SEATING NIPPLE: 2-7/8"
 SN LANDED AT: 5327.05' KB
 NO. OF JOINTS: 1 perf sub (38.75')
 NO. OF JOINTS: 1 jt
 TOTAL STRING LENGTH: EOT @ 5367.35' KB

FRAC JOB

5-18-89 5386'-5396' 38,500# 20/40 sand, 41,050# 016/30 sand, and 810 bbls. Avg TP 1700 psi w/avg rate of 35 BPM. ISIP: 1800 psi.
 5-23-89 4950'-4961' 49,000# 20/40 sand, 50,800# 16/30 sand, and 1002 bbls. Avg TP 2000 psi w/avg rate of 43 BPM. ISIP: 1900 psi.
 3-05-98 5114'-5135' 118,300# 20/40 sd in 482 bbls Delta Frac. Treated @ ave sfc press of 6850 psi w/ave rate of 27.3 bpm. ISIP: 1765 psi. Calc flush: 1303 gal. Actual flush: 1259 gal.
 04/19/07 Parted Rods Updated rod & tubing details.



PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
5-17-89	5386'-5396'	4 JSPF	40 holes
5-20-89	4950'-4961'	4 JSPF	44 holes
3-04-98	5114'-5118'	4 JSPF	16 holes
3-04-98	5131'-5135'	4 JSPF	16 holes

NEWFIELD

Federal #31-4G-9-16
 500 FNL & 1900 FEL
 NWNE Section 4-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31228; Lease #U-30096

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 and 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.

Newfield Production Company
1001 17th Street, Suite 2000
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 Wells Draw Federal #31-4G-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

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. For the Wells Draw Federal #31-4G-9-16 well, the proposed injection zone is from Garden Gulch to Wasatch (4240' -6355'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3908' and the TD is at 6475'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Wells Draw Federal #31-4G-9-16 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 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.**

Newfield 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 #UTU-30096) in the Monument Butte Federal (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 9-5/8", 36# surface casing run to 300' KB, and 5-1/2", 17# casing run from surface to 6475' 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 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.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1732 psig.

2.8 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 Wells Draw Federal #31-4G-9-16, for existing perforations (4950' - 5396') calculates at 0.78 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 1732 psig. We may add additional perforations between 3908' and 6355'. See Attachments G and G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Wells Draw Federal #31-4G-9-16, the proposed injection zone (4240' - 6355') is in the Garden Gulch to the Wasatch of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are 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' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. 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.

2.10 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-21.

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.

2.11 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.

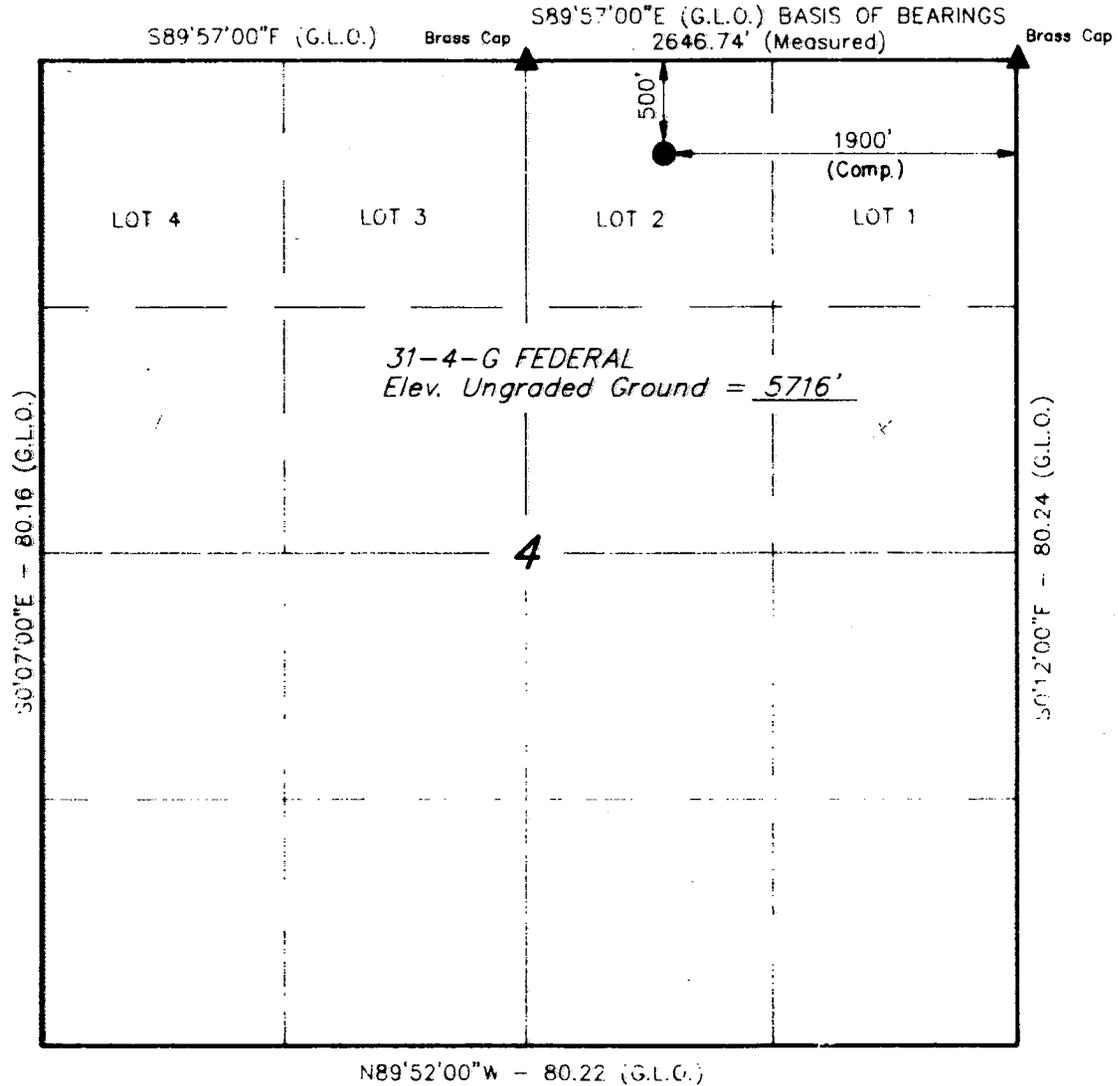
2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

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

NGC ENERGY CO.

Well location, 31-4-G FEDERAL, located as shown in LOT 2 (NW 1/4 NE 1/4) of Section 4, T9S, R16E, S.L.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION ON THE NE CORNER OF SECTION 4, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE 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 5677 FEET.

ATTACHMENT A-1



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. Randall

REGISTERED LAND SURVEYOR
REGISTRATION NO. 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 1758 - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-6-89
PARTY R.L.K. D.A. J.T.K.	REFERENCES G.L.O. PLAT
WEATHER COLD	FILE N.G.C.

▲ = SECTION CORNERS LOCATED.

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	<u>Township 9 South, Range 16 East SLM</u> Section 4: Lots 1-4, S2N2 Section 5: Lots 1-3, S2NE, SENW, NESW	USA UTU-30096 HBP	Newfield Production Company Newfield RMI LLC	USA
2	<u>Township 8 South, Range 16 East SLM</u> Section 33: S2	USA UTU-49092 HBP	Newfield Production Company Newfield RMI LLC	USA
3	<u>Township 8 South, Range 16 East SLM</u> Section 34: SW	USA UTU-47171 HBP	Newfield Production Company Newfield RMI LLC Chorney Oil Co. Loex Properties 1984	USA
4	<u>Township 9 South, Range 16 East SLM</u> Section 3: Lots 3-4, S2NW, SW Section 4: NESW, SE	USA UTU-77338 HBP	Newfield Production Company Newfield RMI LLC	USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Wells Draw Federal #31-4G-9-16

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: 
Newfield Production Company
Eric Sundberg
Regulatory Lead

Sworn to and subscribed before me this 11th day of October, 2010.

Notary Public in and for the State of Colorado: 

My Commission Expires: 02/10/2013



Federal #31-4G-9-16

Spud Date: 4-27-89
 Put on Production: 6-7-89
 GL: 5713' KB: 5729'

Initial Production: 102 BOPD, 0 MCFD
 15 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: K-55
 WEIGHT: 36#
 LENGTH: 8 JTS
 DEPTH LANDED: 300'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 sks Class "G" cmt, est 8 bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: 132 jts
 SET AT: 5603'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 260 sks Hi-Lift & 580 sks Class "G"
 CEMENT TOP AT: 2300'

TUBING

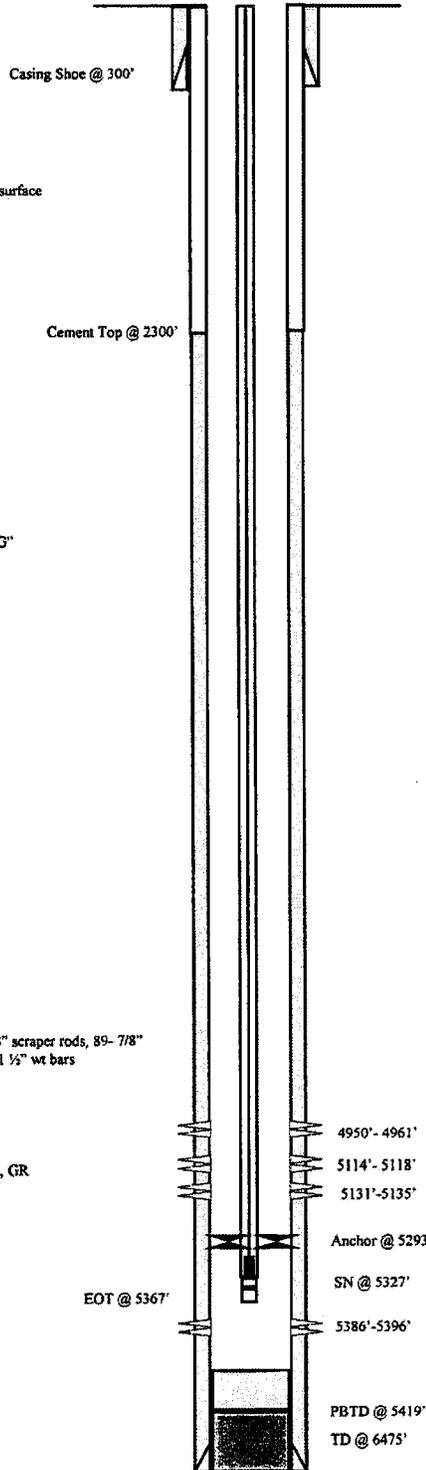
SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 166 jts (5280.59')
 TUBING ANCHOR: 5292.59' KB
 NO. OF JOINTS: 1 jt (31.66)
 SEATING NIPPLE: 2-7/8"
 SN LANDED AT: 5327.05' KB
 NO. OF JOINTS: 1 perf sub (38.75')
 NO. OF JOINTS: 1 jt
 TOTAL STRING LENGTH: EOT @ 5367.35' KB

SUCKER RODS

POLISHED ROD: 1-1/2"x22'
 SUCKER RODS: 2- 8', 1- 2' x 7/8" pony rods; 18- 7/8" scraper rods, 89- 7/8"
 plain rods; 64-3/4" plain rods, 36- 3/4" guided rods; 5- 1 1/2" wt bars
 PUMP SIZE: 2-1/2"x1-1/2"x12"x16' RHAC
 STROKE LENGTH: 74"
 PUMP SPEED, SPM: 6
 LOGS: DIL, SFL, SP, GR, FDC, CNL, GR, Cal., CBL, GR

FRAC JOB

5-18-89 5386'-5396' 38,500# 20/40 sand, 41,050#016/30 sand, and 810 bbls. Avg TP 1700 psi w/avg rate of 35 BPM. ISIP-1800 psi.
 5-23-89 4950'-4961' 49,000# 20/40 sand, 50,800# 16/30 sand, and 1002 bbls. Avg TP 2000 psi w/avg rate of 43 BPM. ISIP - 1900 psi.
 3-05-98 5114'-5135' 118,300# 20/40 sd in 482 bbls Delta Frac. Treated @ ave sfc press of 6850 psi w/ave rate of 27.3 bpm. ISIP: 1765 psi. Calc flush: 1303 gal. Actual flush: 1259 gal.
 04/19/07 Parted Rods Updated rod & tubing details.



PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
5-17-89	5386'-5396'	4 JSPF	40 holes
5-20-89	4950'-4961'	4 JSPF	44 holes
3-04-98	5114'-5118'	4 JSPF	16 holes
3-04-98	5131'-5135'	4 JSPF	16 holes

NEWFIELD

Federal #31-4G-9-16
 500 FNL & 1900 FEL
 NWNE Section 4-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31228; Lease #U-30096

Wells Draw Federal R-33-8-16

Spud Date: 7/29/2009
 Put on Production: 9/28/2009
 GL: 5673' KB: 5685'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (308.67')
 DEPTH LANDED: 320.52'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

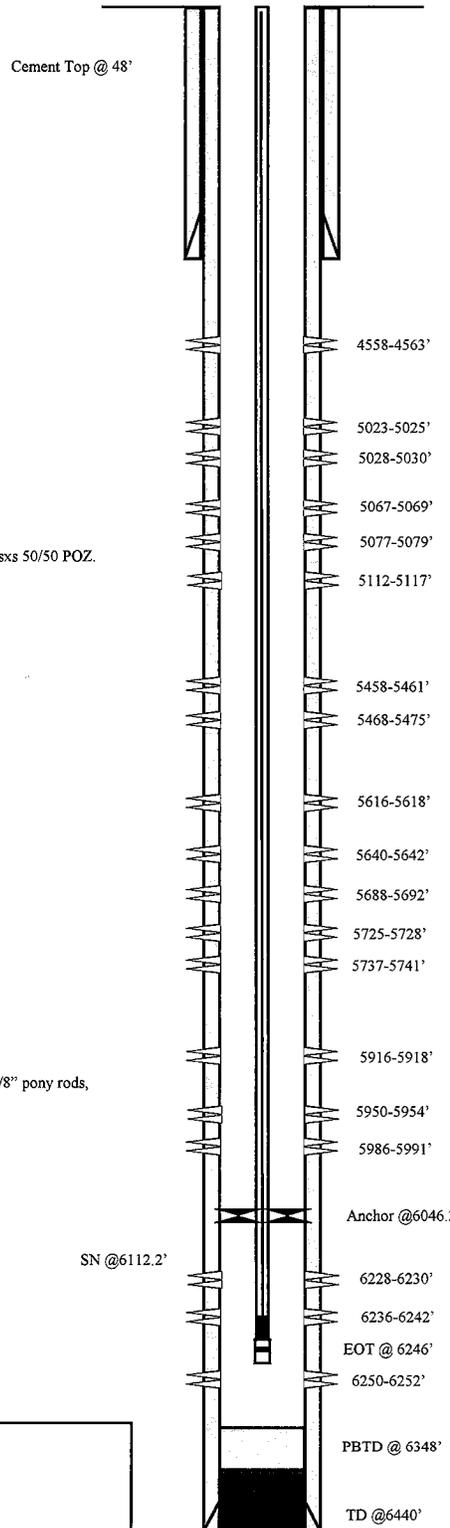
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 144 jts. (6421.69')
 HOLE SIZE: 7-7/8"
 TOTAL DEPTH: 6434.94'
 CEMENT DATA: 250 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP AT: 48'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 192 jts (6034.3')
 TUBING ANCHOR: 6046.3'
 NO. OF JOINTS: 2 jts (63.2')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 6112.2' KB
 NO. OF JOINTS: 1 jts (31.4'), 3 jts (94.8')
 TOTAL STRING LENGTH: EOT @ 6246'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'
 SUCKER RODS: 1 - 2' x 7/8", 1 - 4' x 7/8", 1 - 8" x 7/8" pony rods,
 239 - 7/8" 8 per guided rods, 4-1 1/2" weight bars
 PUMP SIZE: 2 1/2" x 1 3/4" x 20' RHAC
 STROKE LENGTH: 168
 PUMP SPEED: SPM 6



FRAC JOB

9-29-09	6228-6252'	Frac BLK SH sands as follows: Frac with 35390# 20/40 sand in 232 bbls Lightning 17 fluid.
9-29-09	5916-5991'	Frac CP2, CP.5, & CP1 sands as follows: Frac with 29840# 20/40 sand in 251 bbls Lightning 17 fluid.
9-29-09	5616-5741'	Frac LODC sands as follows: Frac with 60359# 20/40 sand in 367 bbls Lightning 17 fluid.
9-29-09	5458-5475'	Frac A1 sands as follows: Frac with 35455# 20/40 sand in 226 bbls Lightning 17 fluid.
9-29-09	5023-5117'	Frac D2, D1, & D3 sands as follows: Frac with 80474# 20/40 sand in 484 bbls Lightning 17 fluid.
9-29-09	4558-4563'	Frac GB6 sands as follows: Frac with 16887# 20/40 sand in 140 bbls Lightning 17 fluid.

PERFORATION RECORD

6250-6252'	3 JSPF	6 holes
6236-6242'	3 JSPF	18 holes
6228-6230'	3 JSPF	6 holes
5986-5991'	3 JSPF	15 holes
5950-5954'	3 JSPF	12 holes
5916-5918'	3 JSPF	6 holes
5737-5741'	3 JSPF	12 holes
5725-5728'	3 JSPF	9 holes
5688-5692'	3 JSPF	12 holes
5640-5642'	3 JSPF	6 holes
5616-5618'	3 JSPF	6 holes
5468-5475'	3 JSPF	21 holes
5458-5461'	3 JSPF	9 holes
5112-5117'	3 JSPF	15 holes
5077-5079'	3 JSPF	6 holes
5067-5069'	3 JSPF	6 holes
5028-5030'	3 JSPF	6 holes
5023-5025'	3 JSPF	6 holes
4558-4563'	3 JSPF	15 holes

NEWFIELD

Wells Draw Federal R-33-8-16
 NWSE 1823' FSL & 1916' FEL
 Section 33-T8S-R16E
 Duchesne Co, Utah
 API # 43-013-34068; Lease # UTU-49092

Wells Draw Federal X-33-8-16

Spud Date: 12/04/07
Put on Production: 02/18/2008

GL: 5749' KB: 5761'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (305.01')
DEPTH LANDED: 316.86' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 1- 160, sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 150 jts. (6474.61')
DEPTH LANDED: 6487.86' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

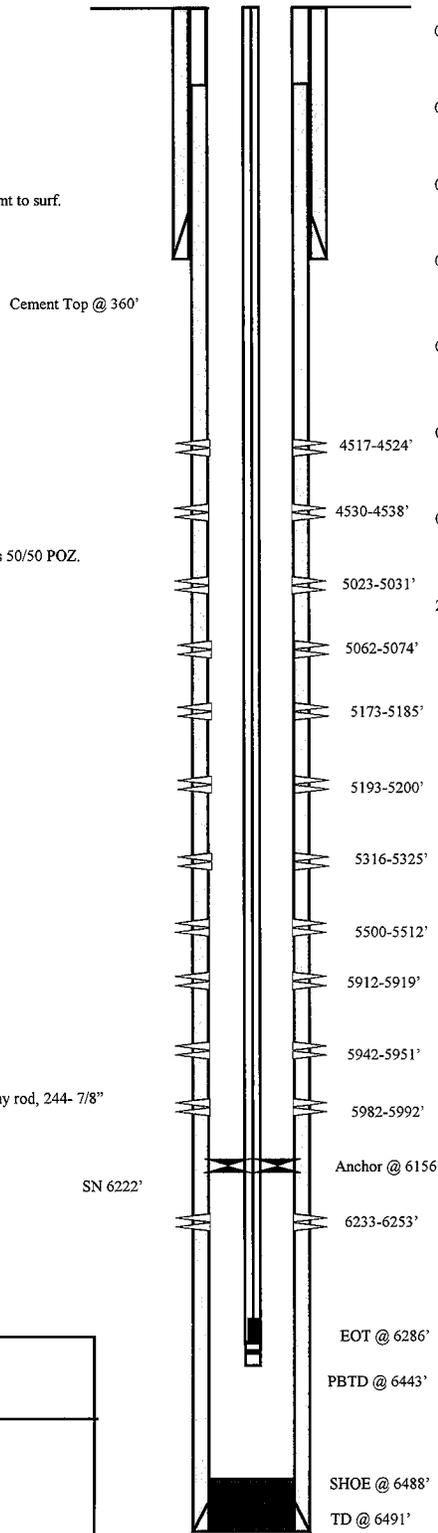
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 196 jts (6155.9')
TUBING ANCHOR: 6155.9' KB
NO. OF JOINTS: 2 jts (62.8')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 6221.6' KB
NO. OF JOINTS: 2 jts (62.8')
TOTAL STRING LENGTH: EOT @ 6286' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 2- 8' x 7/8" pony rods, 1- 8' x 7/8" pony rod, 244- 7/8" guided rods, 4- 1 1/2" weight bars
PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16' X 20' RHAC
STROKE LENGTH: 122"
PUMP SPEED, SPM: 6

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

02/06/08	6233-6253'	Frac CP5 sands as follows: 15006# 20/40 sand in 304 bbls Lightning 17 frac fluid. Treated @ avg press of 2336 psi w/avg rate of 23.4 BPM. ISIP 2279 psi.
02/07/08	5912-5992'	Frac CP.5, CP1, & CP2 sands as follows: 45382# 20/40 sand in 586 bbl Lightning 17 frac fluid. Treated @ avg press of 2186 psi w/avg rate of 23.1 BPM. ISIP 2070 psi.
02/07/08	5500-5512'	Frac A3 sands as follows: 70358# 20/40 sand in 592 bbls Lightning 17 frac fluid. Treated @ avg press of 1965 psi w/avg rate of 23.1 BPM. ISIP 2133 psi.
02/07/08	5316-5325'	Frac B2 sands as follows: 45093# 20/40 sand in 465 bbls Lightning 17 frac fluid. Treated @ avg press of 2141 psi w/avg rate of 23.1 BPM. ISIP 2327 psi.
02/07/08	5173-5200'	Frac C sands as follows: 49946# 20/40 sand in 456 bbls Lightning 17 frac fluid. Treated @ avg press of 2217 psi w/avg rate of 23.3 BPM. ISIP 2164 psi.
02/08/08	5023-5074'	Frac D1 & D2 sands as follows: 110606# 20/40 sand in 807 bbls Lightning 17 frac fluid. Treated @ avg press of 2197 psi w/avg rate of 23.3 BPM. ISIP 2338 psi.
02/08/08	4517-4538'	Frac GB6 sands as follows: 44756# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 1858 psi w/avg rate of 23.5 BPM. ISIP 2075 psi.
2/10/2010		Downhole pump maintenance. Updated rod and tubing detail.

PERFORATION RECORD

6247-6253'	4 JSFP	24 holes
6233-6240'	4 JSFP	28 holes
5982-5992'	4 JSFP	40 holes
5942-5951'	4 JSFP	36 holes
5912-5919'	4 JSFP	28 holes
5500-5512'	4 JSFP	48 holes
5316-5325'	4 JSFP	36 holes
5193-5200'	4 JSFP	28 holes
5173-5185'	4 JSFP	48 holes
5062-5074'	4 JSFP	48 holes
5023-5031'	4 JSFP	32 holes
4530-4538'	4 JSFP	32 holes
4517-4524'	4 JSFP	28 holes

NEWFIELD

Wells Draw Fed. X-33-8-16

669' FNL & 818' FWL

NW/NW Section 4-T9S-R16E

15' FSL & 1310' FWL

NW/NW Section 33-T8S-R16E

Duchesne Co, Utah

API #43-013-33515; Lease # UTU-49092

WELLS DRAW FED. G-4-9-16

Spud Date: 08/16/07
 Put on Production: 10/04/07
 GL: 5719' KB: 5731'

Initial Production: BOPD,
 MCFD, BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (296.61')
 DEPTH LANDED: 308.46' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 162 jts. (6386.28')
 DEPTH LANDED: 6386.03' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 350 sxs Prem. Lite II mixed & 480 sxs 50/50 POZ.
 CEMENT TOP: 120'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 175 jts (5399.99')
 TUBING ANCHOR: 5411.99' KB
 NO. OF JOINTS: 1 jts (30.73')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5445.52' KB
 NO. OF JOINTS: 2 jts (61.53')
 2 7/8 NC (.45)
 TOTAL STRING LENGTH: EOT @ 5508.60' KB

SUCKER RODS

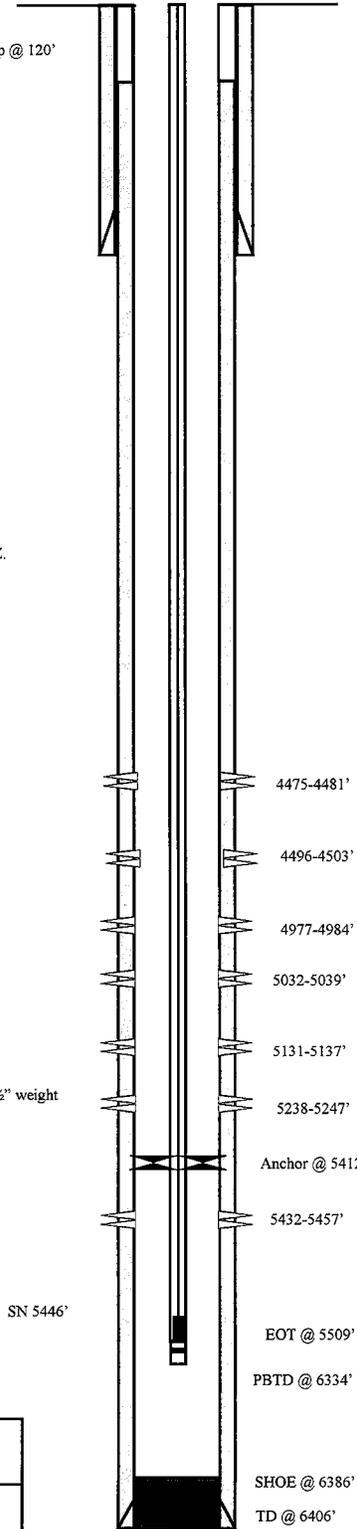
POLISHED ROD: 1-1/2" x 26' SM polished rods
 SUCKER RODS: 4' x 7/8" pony rod, 213-7/8" scraped rods, 4- 1 1/2" weight bars
 PUMP SIZE: CDI 2-1/2" x 1-3/4" x 16x 20' RHAC pump 175" SL
 STROKE LENGTH: 122"
 PUMP SPEED, 5 SPM:

FRAC JOB

10/1/07	5649-5658'	Frac A1 sands as follows: 105895# 20/40 sand in 805 bbls Lightning 17 frac fluid. Treated @ avg press of 1932 psi w/avg rate of 24.7 BPM. ISIP 2103 psi. Calc flush: 5647 gal. Actual flush: 4956 gal.
10/1/07	5236-5272'	Frac B1 sands as follows: 25043# 20/40 sand in 368 bbl Lightning 17 frac fluid. Treated @ avg press of 1845 psi w/avg rate of 24.7 BPM. ISIP 1852 psi. Calc flush: 5234 gal. Actual flush: 4788 gal.
10/1/07	5131-5137'	Frac C sands as follows: 15827# 20/40 sand in 281 bbls Lightning 17 frac fluid. Treated @ avg press of 2403 psi w/avg rate of 24.8 BPM. ISIP 2515 psi. Calc flush: 5129 gal. Actual flush: 4662 gal.
10/1/07	4977-5039'	Frac D2 & D1 sands as follows: 66384# 20/40 sand in 544 bbls Lightning 17 frac fluid. Treated @ avg press of 2161 psi w/avg rate of 24.7 BPM. ISIP 2193 psi. Calc flush: 4975 gal. Actual flush: 4452 gal.
10/1/07	4475-4503'	Frac GB6 sands as follows: 32962# 20/40 sand in 357 bbls Lightning 17 frac fluid. Treated @ avg press of 1760 psi w/avg rate of 24.8 BPM. ISIP 1916 psi. Calc flush: 4473 gal. Actual flush: 4368 gal.
6/17/08		parted rods. Updated rod and tubing detail.

PERFORATION RECORD

5432-5457'	4 JSPF	100 holes
5238-5247'	4 JSPF	36 holes
5131-5137'	4 JSPF	24 holes
5032-5039'	4 JSPF	28 holes
4977-4984'	4 JSPF	28 holes
4496-4503'	4 JSPF	28 holes
4475-4481'	4 JSPF	24 holes



NEWFIELD

WELLS DRAW FED. G-4-9-16

1994' FNL & 1964' FWL

SW/NW Section 4-T9S-R16E

Duchesne Co, Utah

API #43-013-33518; Lease # UTU-30096

Wells Draw Federal 1-4-9-16

Initial Production: 105 BOPD, 52 MCFD
7 BWPD

Spud Date: 2/9/98
Put on Production: 3/23/98
GL: 5686' KB: 5698'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts
DEPTH LANDED: 286'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premiumplus w/2% CC, 2% gel, 1/2 #/sx flocele

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 141 jts 6016'
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Hibond 65 modified and 450 sxs Thixotropic w/10% calseal
CEMENT TOP AT:
SET AT: 6027'

TUBING

SIZE/GRADE/WT: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 155 jts (4823.96')
SEATING NIPPLE: 2-7/8" (1.10')
SEAT NIPPLE LANDED @ 4837
CE @ 4840.26'
TOTAL STRING LENGTH: EOT @ 4844.38'

FRAC JOB

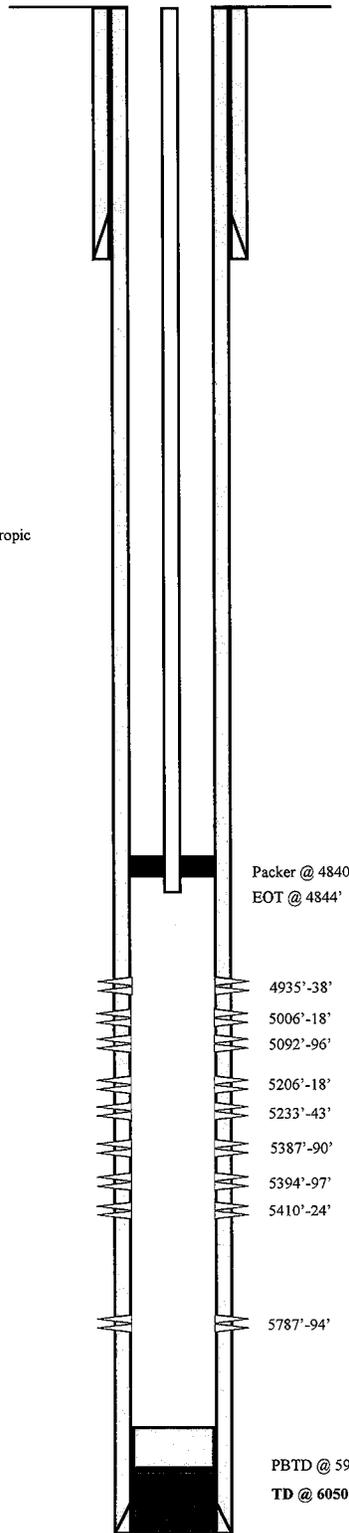
3-8-98 5787'-5794' **Frac CP sand as follows:** 95,300# 20/40 sand in 515 bbls Delta Frac. Breakdown @ 2691 psi. Treated w/avg press of 1220 psi w/avg rate of 26.2 BPM. ISIP-2075 psi, 5 min 1666 psi. Flowback on 12/64" ck for 3-1/2 hrs & died.

3-11-98 5387'-5424' **Frac A sand as follows:** 97,300# 20/40 sand in 503 bbls Delta Frac. Breakdown @ 1506 psi. Treated w/avg press of 1600 psi w/avg rate of 28.3 BPM. ISIP-2165 psi, 5 min 2008 psi. Flowback on 12/64" ck for 1-1/2 hrs & died.

3-13-98 5206'-5243' **Frac B sand as follows:** 97,100# 20/40 sand in 506 bbls Delta Frac. Breakdown @ 1876 psi. Treated w/avg press of 1700 psi w/avg rate of 28.8 BPM. ISIP-3193 psi, 5 min 2527 psi. Flowback on 12/64" ck for 2 hrs & died.

3-18-98 4935'-5096' **Frac D/C sands as follows:** 97,000# 20/40 sand in 418 bbls Delta Frac. Breakdown @ 2200 psi. Treated w/avg press of 1400 psi w/avg rate of 33 BPM.

12-15-00 **Convert to Injection well**
12-19-00 **MIT completed - tbg detail updated**



PERFORATION RECORD

Date	Depth Range	Perforation Type	Number of Holes
3-7-98	5787'-5794'	4 JSPF	28 holes
3-10-98	5410'-5424'	4 JSPF	56 holes
3-10-98	5394'-5397'	4 JSPF	12 holes
3-10-98	5387'-5390'	4 JSPF	12 holes
3-12-98	5233'-5243'	4 JSPF	40 holes
3-12-98	5206'-5218'	4 JSPF	48 holes
3-17-98	5092'-5096'	4 JSPF	16 holes
3-17-98	5006'-5018'	4 JSPF	48 holes
3-17-98	4935'-4938'	4 JSPF	12 holes

NEWFIELD

Wells Draw Federal 1-4-9-16

746' FNL and 586' FEL

NENE Section 4-T9S-R16E

Duchesne Co, Utah

API #43-013-31971; Lease #U-30096

Wells Draw Federal S-33-8-16

Spud Date: 08/01/2009
 Put on Production: 09/22/2009
 GL: 5673' KB: 5685'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (308.78')
 DEPTH LANDED: 320.63'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

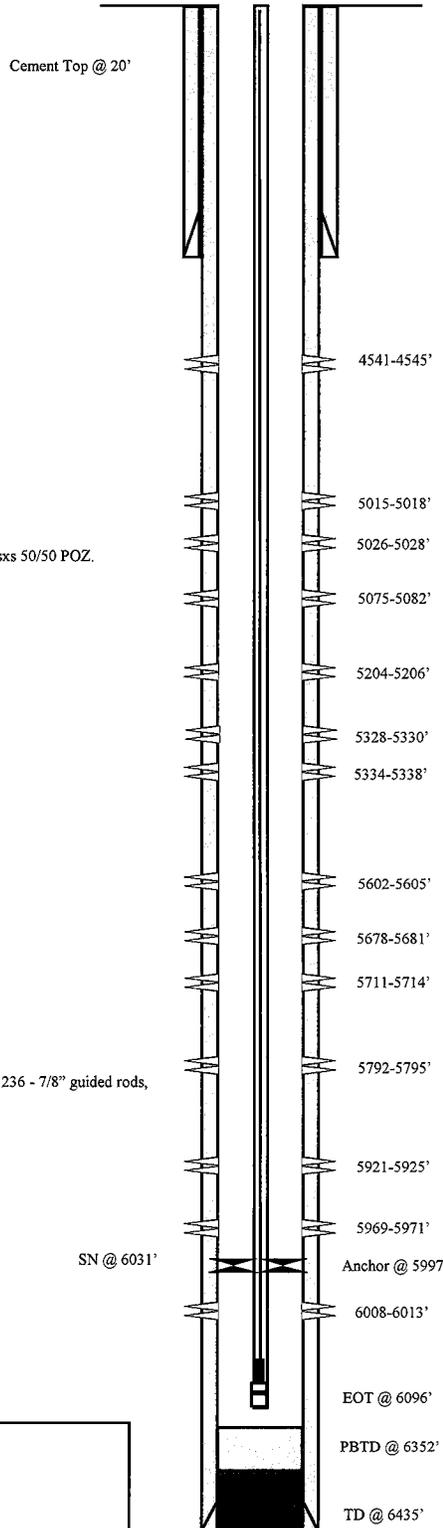
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 143 jts. (6411.39')
 HOLE SIZE: 7-7/8"
 TOTAL DEPTH: 6424.64'
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
 CEMENT TOP AT: 20'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 188 jts (5985')
 TUBING ANCHOR: 5997'
 NO. OF JOINTS: 1 jts (31.6')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 6031.4' KB
 NO. OF JOINTS: 2 jts (63.2')
 TOTAL STRING LENGTH: EOT @ 6096'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'
 SUCKER RODS: 1 - 2' x 7/8", 1 - 4' x 7/8" pony rods, 236 - 7/8" guided rods, 4-1 1/2" weight bars
 PUMP SIZE: 2 1/2" x 1 3/4" x 20" RHAC
 STROKE LENGTH: 168
 PUMP SPEED: SPM 6



FRAC JOB

9-23-09 5921-6013' **Frac CP1, CP.5 & CP2 sands as follows:** Frac with 30433# 20/40 sand in 258 bbls Lightning 17 fluid.
 9-23-09 5602-5795' **Frac LODC sands as follows:** Frac with 201574# 20/40 sand in 1228 bbls Lightning 17 fluid.
 9-23-09 5204-5338' **Frac B2 & C sands as follows:** Frac with 15016# 20/40 sand in 123 bbls Lightning 17 fluid.
 9-23-09 5015-5082' **Frac D2 & D1 sands as follows:** Frac with 150403# 20/40 sand in 945 bbls Lightning 17 fluid.
 9-23-09 4541-4545' **Frac GB6 sands as follows:** Frac with 14911# 20/40 sand in 131 bbls Lightning 17 fluid.

PERFORATION RECORD

6008-6013'	3 JSPF	15 holes
5969-5971'	3 JSPF	6 holes
5921-5925'	3 JSPF	12 holes
5792-5795'	3 JSPF	9 holes
5711-5714'	3 JSPF	9 holes
5678-5681'	3 JSPF	9 holes
5602-5605'	3 JSPF	9 holes
5334-5338'	3 JSPF	12 holes
5328-5330'	3 JSPF	6 holes
5204-5206'	3 JSPF	6 holes
5075-5082'	3 JSPF	21 holes
5026-5028'	3 JSPF	6 holes
5015-5018'	3 JSPF	9 holes
4541-4545'	3 JSPF	12 holes

NEWFIELD



Wells Draw Federal S-33-8-16

1836' FSL & 1899' FEL

NW/SE Section 33-T8S-R16E

Duchesne Co, Utah

API # 43-013-34067; Lease # UTU-49092

Wells Draw #6-4-9-16

Spud Date: 1/7/98
 Put on Production: 2/6/98
 GL: 5721' KB: 5733'

Initial Production: 84 BOPD, 94 MCFD
 8 BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 jts
 DEPTH LANDED: 290'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Premium, est 6 bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 140 jts 5997'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 380 sxs Hibond & 365 sxs Thixotropic
 CEMENT TOP AT: Surface per CBL
 SHOE SET AT: 6008'

TUBING

SIZE/GRADE/WT: 2 7/8" / M-50 / 6.5#
 NO. OF JOINTS: 139 jts (4328.60')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 4340.60'
 TOTAL STRING LENGTH: EOT @ 4349.07' KB

FRAC JOB

1/30/98 5511'-5569' Frac LDC sands as follows:
 120,300# 20/40 sd in 582 bbls Delta frac.
 Breakdown @ 2640 psi. Treated @ avg press of 1980 psi w/avg rate of 34.9 BPM. ISIP - 2411 psi, 5 min 2168 psi. Flowback on 12/64 ck for 4-1/2 hrs & died.

2/1/98 5328'-5336' Frac A sands as follows:
 81,300 # sd in 459 bbls Delta frac.
 Breakdown @ 2501 psi. Treated @ avg press of 3500 psi w/avg rate of 25 BPM. ISIP - 2094 psi, 5 min 3041 psi. Flowback on 12/64 ck for 2-1/2 hrs & died.

2/04/98 4872'-5039' Frac D/C sands as follows:
 113,300 # 20/40 sd in 556 bbls Delta frac.
 Breakdown @ 1109 psi. Treated w/avg pres of 1600 psi w/avg rate of 30 BPM. ISIP - 2094 psi, 5 min 2026 psi. Flowback on 12/64 ck 2-1/2 hrs & died.

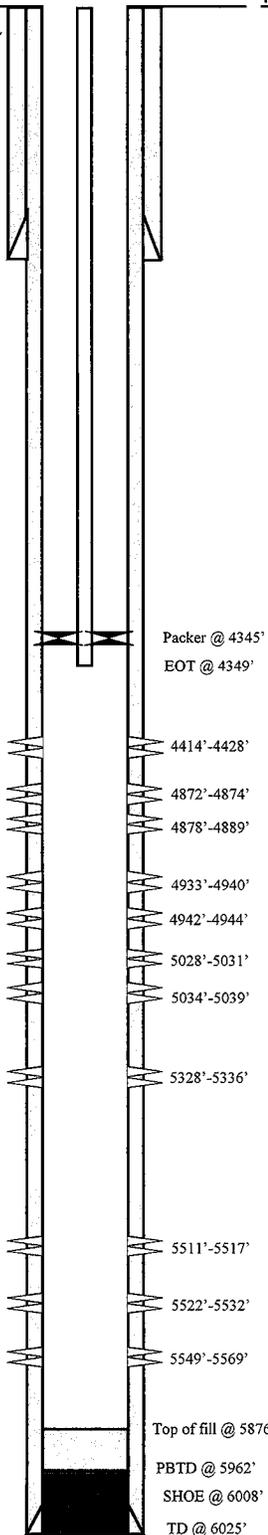
1/2/02 Pump change. Update rod and tubing details.

9/5/02 Tubing leak. Update rod and tubing details.

10/24/02 4872'-4889' Refrac D1 sands as follows:
 50,000# 20/40 sand in 203 bbls Viking I-25 fluid. Treated @ avg pressure of 2280 psi w/avg rate of 24.6 BPM. ISIP - 2625 psi. Calc. flush: 4872 gals. Actual flush: 4869 gals.

10/24/02 4414'-4428' Frac GB6 sands as follows:
 50,000# 20/40 sand in 214 bbls Viking I-25 fluid. Treated @ avg pressure of 2013 psi w/avg rate of 22.7 BPM. ISIP - 2080 psi. Calc. flush: 4414 gals. Actual flush: 4661 gals.

3/1/03 Pump change. Update rod detail.
 8/02/04 Tubing Leak. Update tubing and rod detail.
 03/28/07 Pump Change. Update rod & tubing details.
 10/09/07 Pump Change. Update rod & tubing details
 10/2/08 Well converted to an Injection Well.
 10/13/08 MIT completed and submitted.



PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
1-29-98	5511'-5517'	4 JSPF	24 holes
1-29-98	5522'-5532'	4 JSPF	40 holes
1-29-98	5549'-5569'	4 JSPF	80 holes
1-31-98	5328'-5336'	4 JSPF	32 holes
2-03-98	4872'-4874'	4 JSPF	8 holes
2-03-98	4878'-4889'	4 JSPF	44 holes
2-03-98	4933'-4940'	4 JSPF	28 holes
2-03-98	4942'-4944'	4 JSPF	8 holes
2-03-98	5028'-5031'	4 JSPF	12 holes
2-03-98	5034'-5039'	4 JSPF	20 holes
10-24-02	4414'-4428'	4 JSPF	56 holes

NEWFIELD

Wells Draw #6-4-9-16

1980' FNL & 1980' FWL
 SE/NW Section 4-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31972; Lease #U-30096

Wells Draw H-4-9-16

Spud Date: 6/3/2009
 Put on Production: 7/9/2009
 GL: 5720' KB: 5732'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts (310.8')
 DEPTH LANDED: 322.65' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx class 'g' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 173 jts (6623.21')
 DEPTH LANDED: 6402.50'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 280 sx prmlite and 400 sx 50/50 poz
 CEMENT TOP AT: 46'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 193 jts (6000')
 TUBING ANCHOR: 6003' KB
 NO. OF JOINTS: 1 jt (30.9')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 6035' KB
 NO. OF JOINTS: 3 jts (6164')
 TOTAL STRING LENGTH: EOT @ 6165'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'
 SUCKER RODS:
 PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 24' RHAC pump
 STROKE LENGTH: 144"
 PUMP SPEED, SPM: 4

FRAC JOB

7/1/2009 6223-6241' RU BJ & frac CP5 sds as follows:
 19,839# sand in 358 bbls of fluid. Treated @ ave pressure of 2362 w/ ave rate of 27 bpm w/ 6 ppg of sand. ISIP was 2047 w/ .78FG. 5 min was 1894. 10 min was 1841. 15 min was 1801.

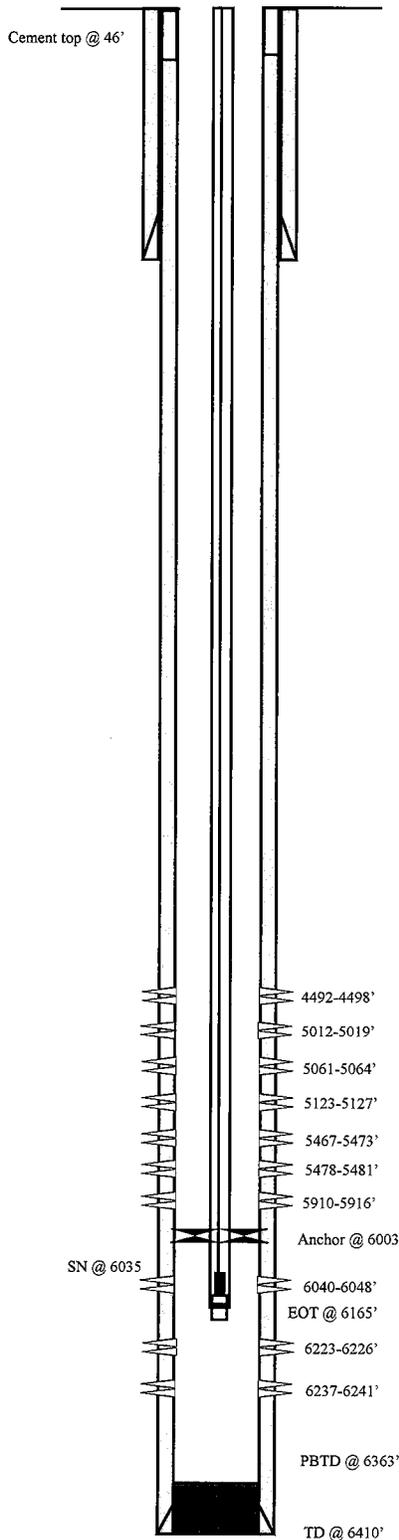
7/1/2009 6040-6048' RU BJ & frac CP2 sds as follows:
 30,171# sand in 430 bbls of fluid. Treated @ ave pressure of 2400 w/ ave rate of 27 bpm w/ 6 ppg of sand. ISIP was 2039 w/ .78FG. 5 min was 1913. 10 min was 1878. 15 min was 1855.

7/1/2009 5910-5916' RU BJ & frac CP.5 sds as follows:
 14,995# sand in 304 bbls of fluid. Treated @ ave pressure of 2396 w/ ave rate of 16 bpm w/ 6 ppg of sand. ISIP was 2235 w/ .82FG. 5 min was 2101. 10 min was 2396. 15 min was 2000.

7/2/2009 5467-5481' RU BJ & frac A1 sds as follows:
 45,742# sand in 460 bbls fluid. Treated @ ave pressure of 2598 w/ ave rate of 27 bpm w/ 8 ppg of sand. ISIP was 2331 w/ .87FG. 5 min was 2177. 10 min was 2064. 15 min was 1991.

7/2/2009 5012-5127' RU BJ & frac D sds as follows:
 91,195# sand in 703 bbls fluid. Techna Hib chemical @ 4% by volume. Treated @ ave pressure of 2632 w/ ave rate of 35 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL acid in flush for next stage. ISIP was 2309 w/ .90FG. 5 min was 2190. 10 min was 2176. 15 min was 2132.

7/2/2009 4492-4498' RU BJ & frac GB4 sds as follows:
 18,223# 20/40 sand in 301 bbls fluid. Treated @ ave pressure of 2776 w/ ave rate of 22 bpm w/ 6 ppg of sand. ISIP was 2487 w/ 1.0FG. 5 min was 2087. 10 min was 1938. 15 min was 1845.



PERFORATION RECORD

Date	Interval	Tool	Holes
6/26/09	6237-6241'	3 JSPF	12 holes
6/26/09	6223-6226'	3 JSPF	9 holes
6/26/09	6040-6048'	3 JSPF	24 holes
6/26/09	5910-5916'	3 JSPF	18 holes
6/26/09	5478-5481'	3 JSPF	9 holes
6/26/09	5467-5473'	3 JSPF	18 holes
6/26/09	5123-5127'	3 JSPF	12 holes
6/26/09	5061-5064'	3 JSPF	9 holes
6/26/09	5012-5019'	3 JSPF	21 holes
6/26/09	4492-4498'	3 JSPF	18 holes

NEWFIELD

Federal H-4-9-16

512' FSL & 1916' FEL

NW/NE Section 4-T9S-R16E

Duchesne Co, Utah

API # 43-013-34153; Lease # UTU-30096

Wells Draw #7-4

Spud Date: 4/15/98
 Put on Production: 5/20/98
 GL: 5700' KB: 5712'

Initial Production: 126 BOPD, 263 MCFD
 9 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 8 jts (311')
 DEPTH LANDED: 311'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Premiumplus w/2% CC, 2% gel, 1/2 #/sx floccle

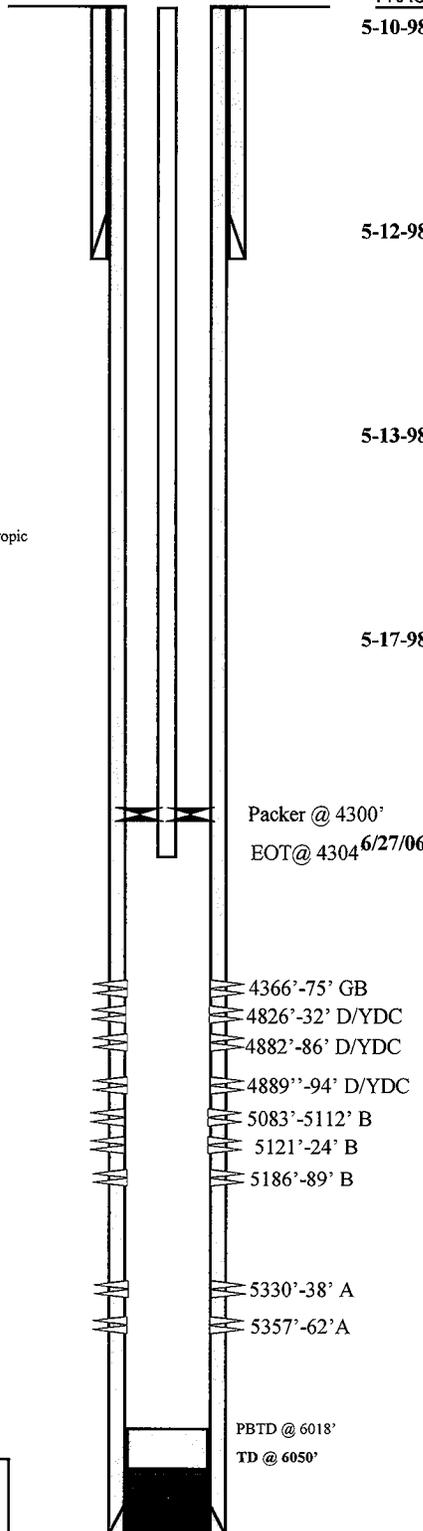
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 141 jts (6007')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 395 sxs Hibond 65 modified and 425 sxs Thixotropic w/10% calseal
 CEMENT TOP AT:
 SET AT: 6019'

TUBING

SIZE/GRADE/WT: 2-7/8", 6.5#, M-50
 NO. OF JOINTS: 138 jts
 TOTAL STRING LENGTH: 4304.30'
 SN LANDED AT: 4295.88'

Injection Wellbore Diagram



FRAC JOB

- 5-10-98 5330'-5362' Frac A sand as follows:**
 88,540# 20/40 sand in 462 bbls Viking. Breakdown @ 3544 psi. Treated w/avg press of 1900 psi w/avg rate of 28 BPM. ISIP-2850 psi, 5 min 2328 psi. Flowback on 12/64" ck for 3 hrs & died.
- 5-12-98 5083'-5189' Frac B sand as follows:**
 122,680# 20/40 sand in 565 bbls Viking. Breakdown @ 3114 psi. Treated w/avg press of 1450 psi w/avg rate of 34.8 BPM. ISIP-2050 psi, 5 min 1854 psi. Flowback on 12/64" ck for 2-1/2 hrs & died.
- 5-13-98 4826'-4894' Frac D/YDC sand as follows:**
 104,620# 20/40 sand in 533 bbls Viking. Breakdown @ 2833 psi. Treated w/avg press of 2000 psi w/avg rate of 33 BPM. ISIP-2400 psi, 5 min 2300 psi. Flowback on 12/64" ck for 2 hrs & died.
- 5-17-98 4366'-4375' Frac GB sands as follows:**
 104,520# 20/40 sand in 505 bbls Delta Frac. Breakdown @ 3350 psi. Treated w/avg press of 2250 psi w/avg rate of 25.5 BPM. ISIP-2650 psi. Flowback on 12/64" ck for 3 hrs & died.
5 Year MIT completed and submitted.

PERFORATION RECORD

Date	Interval	Tool	Holes
5-08-98	5330'-5338'	4 JSPP	32 holes
5-08-98	5357'-5362'	4 JSPP	20 holes
5-12-98	5083'-5112'	2 JSPP	58 holes
5-12-98	5121'-5124'	4 JSPP	12 holes
5-12-98	5186'-5189'	4 JSPP	12 holes
5-14-98	4826'-4832'	4 JSPP	24 holes
5-14-98	4882'-4886'	4 JSPP	16 holes
5-14-98	4889'-4894'	4 JSPP	20 holes
5-16-98	4366'-4375'	4 JSPP	36 holes

NEWFIELD

Wells Draw #7-4-9-16
 1980' FNL and 1980' FEL
 SWNE Section 4-T9S-R16E
 Duchesne Co, Utah

API #43-013-31973; Lease #U-30096

Wells Draw I-4-9-16

Spud Date: 6/13/2009
 Put on Production: 7/22/2009
 GL: 5720' KB: 5732'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (276')
 DEPTH LANDED: 327' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

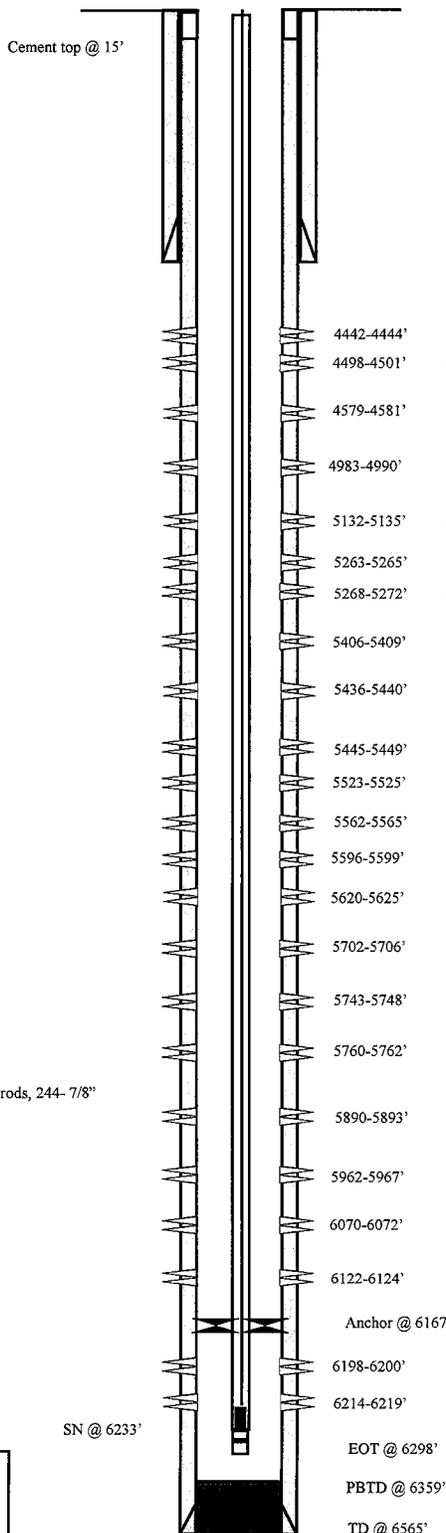
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 165 jts (6409')
 HOLE SIZE: 7-7/8"
 TOTAL DEPTH: 6459.89'
 CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz
 CEMENT TOP AT: 15'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
 NO. OF JOINTS: 195 jts (6155')
 TUBING ANCHOR: 6167' KB
 NO. OF JOINTS: 2 jts (63.1')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 6233' KB
 NO. OF JOINTS: 2 jts (63.1')
 TOTAL STRING LENGTH: EOT @ 6298'

SUCKER RODS

POLISHED ROD: 1 1/2" x 30' polished rod
 SUCKER RODS 1 - 2' x 7/8"; 1 - 4' x 7/8"; 1 - 6' x 7/8" pony rods, 244 - 7/8"
 8per guided rod, 4 - 1 1/2" weight rods
 PUMP SIZE: 2 1/2" x 1 3/4" x 20' RHAC
 STROKE LENGTH: 122"
 PUMP SPEED, SPM:



FRAC JOB

Date	Job ID	Description
7-22-09	6070-6219'	Frac CP4, CP5, & CP 3 sands as follows: Frac with 15,423# 20/40 sand in 93 bbls of Lightning 17 fluid.
7-22-09	5890-5967'	Frac CP.5 & CP1 sands as follows: Frac with 25,100# 20/40 sand in 163 bbls of Lightning 17 fluid.
7-22-09	5702-5762'	Frac LODC sands as follows: Frac with 138,935# 20/40 sand in 589 bbls of Lightning 17 fluid.
7-22-09	5523-5625'	Frac LODC as follows: Frac with 161,209# 20/40 sand in 668 bbls of Lightning 17 fluid.
7-22-09	5406-5449'	Frac A3 & A1 sands as follows: Frac with 56,334# 20/40 sand in 242 bbls of Lightning 17 fluid.
7-22-09	5132-5272'	Frac C & B2 sands as follows: Frac with 30,474# 20/40 sand in 174 bbls of Lightning 17 fluid.
7-22-09	4983-4990'	Frac D1 sands as follows: Frac with 30,663# 20/40 sand in 174 bbls of Lightning 17 fluid.
7-22-09	4442-4581'	Frac GB4, GB6, & PB7 sands as follows: Frac with 15,633# 20/40 sand in 97 bbls of Lightning 17 fluid.

PERFORATION RECORD

Depth Range	Tool Joint	Holes
6214-6219'	3 JSPF	15 holes
6198-6200'	3 JSPF	6 holes
6122-6124'	3 JSPF	6 holes
6070-6072'	3 JSPF	6 holes
5962-5967'	3 JSPF	15 holes
5890-5893'	3 JSPF	9 holes
5760-5762'	3 JSPF	6 holes
5743-5748'	3 JSPF	15 holes
5702-5706'	3 JSPF	12 holes
5620-5625'	3 JSPF	15 holes
5596-5599'	3 JSPF	9 holes
5562-5565'	3 JSPF	9 holes
5523-5525'	3 JSPF	6 holes
5445-5449'	3 JSPF	12 holes
5436-5440'	3 JSPF	12 holes
5406-5409'	3 JSPF	9 holes
5268-5272'	3 JSPF	12 holes
5263-5265'	3 JSPF	6 holes
5132-5135'	3 JSPF	9 holes
4983-4990'	3 JSPF	21 holes
4579-4581'	3 JSPF	6 holes
4498-4501'	3 JSPF	9 holes
4442-4444'	3 JSPF	6 holes

NEWFIELD

Wells Draw I-4-9-16

2148' FNL & 535' FEL SE/NE
 Section 4-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33810; Lease # UTU-30096

South Wells Draw B-4-9-16

Spud Date: 5-27-09
 Put on Production: 6-26-09
 GL: 5691' KB: 5703'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 274.49'
 DEPTH LANDED: 320.79'
 HOLE SIZE: 12- 1/4"
 CEMENT DATA: 160 sxs Class "G" cmt + 2% cal chloride

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 6382.48'
 HOLE SIZE: 7-7/8"
 TOTAL DEPTH: 6415"
 CEMENT DATA: 300 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 14'

TUBING

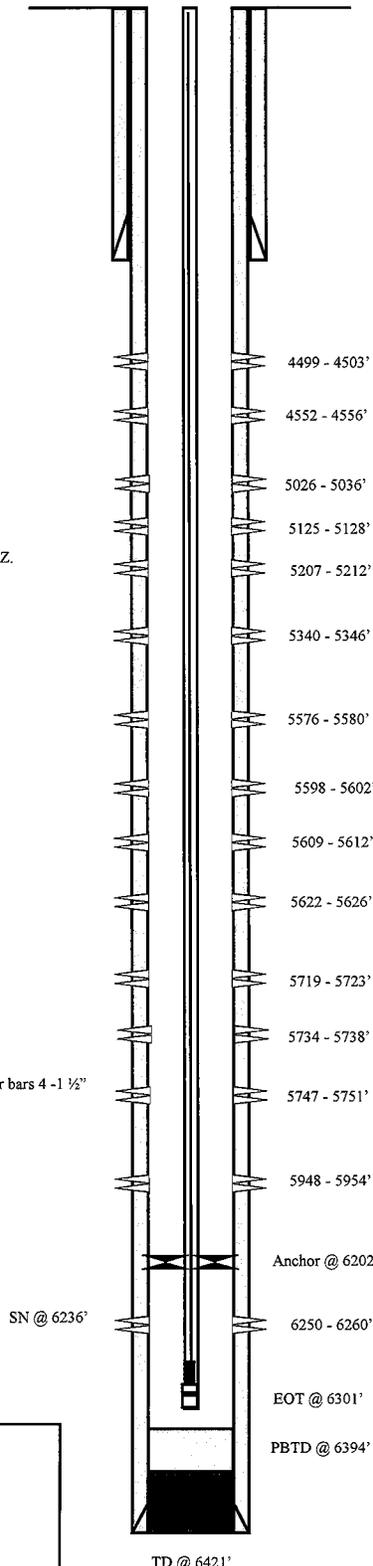
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 197 jts (6190')
 TUBING ANCHOR: 6202'
 NO. OF JOINTS: 1 jts (31.8')
 SEATING NIPPLE: 2-7/8" (1.1')
 SN LANDED AT: 6236' KB
 NO. OF JOINTS: 2 jts (63.7')
 TOTAL STRING LENGTH: EOT @ 6301'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26'
 SUCKER RODS: pony rods 4 - 7/8", guided rod 244 - 7/8", sinker bars 4 - 1 1/2"
 PUMP SIZE: 2 1/2" x 1 3/4" x 24' RHAC pump
 PUMP SPEED, SPM 4

FRAC JOB

6-26-09 6250 - 6260' **Frac CP5 sands as follows:** Frac with 65818# 20/40 sand in 395 bbbs Lightning 17 fluid.
 6-26-09 5948 - 5954' **Frac CP.5 sands as follows:** Frac with 16128# 20/40 sand in 128 bbbs Lightning 17 fluid.
 6-26-09 5719 - 5751' **Frac LODC sands as follows:** Frac with 113694# 20/40 sand in 653 bbbs Lightning 17 fluid.
 6-26-09 5622 - 5580' **Frac LODC sands as follows:** Frac with 111498# 20/40 sand in 648 bbbs Lightning 17 fluid.
 6-26-09 5340 - 5346' **Frac B2 sands as follows:** Frac with 35758# 20/40 sand in 227 bbbs Lightning 17 fluid.
 6-26-09 5125 - 5212' **Frac D3 & C sands as follows:** Frac with 30316# 20/40 sand in 246 bbbs Lightning 17 fluid.
 6-26-09 5026 - 5036' **Frac D1 sands as follows:** Frac with 60664# 20/40 sand in 253 bbbs Lightning 17 fluid.
 6-26-09 4499 - 4556' **Frac GB4 & GB6 sands as follows:** Frac with 81580# 20/40 sand in 440 bbbs Lightning 17 fluid.



PERFORATION RECORD

6250 - 6260'	3 JSPP	30 holes
5948 - 5954'	3 JSPP	18 holes
5747 - 5751'	3 JSPP	12 holes
5734 - 5738'	3 JSPP	12 holes
5719 - 5723'	3 JSPP	12 holes
5622 - 5626'	3 JSPP	12 holes
5609 - 5612'	3 JSPP	9 holes
5598 - 5602'	3 JSPP	12 holes
5576 - 5580'	3 JSPP	12 holes
5340 - 5346'	3 JSPP	18 holes
5207 - 5212'	3 JSPP	15 holes
5125 - 5128'	3 JSPP	9 holes
5026 - 5036'	3 JSPP	30 holes
4552 - 4556'	3 JSPP	12 holes
4499 - 4503'	3 JSPP	12 holes



South Wells Draw B-4-9-16

Section 4-T9S-R16E
 Duchesne Co, Utah
 API #43-013-34154; Lease #UTU-30096

South Wells Draw 10-4-9-16

Spud Date: 10/28/99
 Put on Production: 11/26/99
 GL: 5656' KB: 5666'

Initial Production:
 44 BOPD, 59 MCFD 2 BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (325.47')
 DEPTH LANDED: 323.17'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sx Class "G" w/2% CC and 1/4#/sk flocele.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55 and N-80
 WEIGHT: 15.5#
 LENGTH: 132 jts (5568.93')
 DEPTH LANDED : 5566.63'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 265 sx Premium Lite II Modified; and 305 sx 50/50 Poz w/3% KCl, 1/4#/sk cello-flake, 2% gel, .3% SM.
 CEMENT TOP: 640'

TUBING

SIZE/GRADE/WT: 2-7/8" / 6.5# / M-50
 NO. OF JOINTS: 156 jts (4835.7')
 SEATING NIPPLE: 1.10'
 SN LANDED AT: 4845.7'
 CE @ 4850.09'
 TOTAL STRING LENGTH EOT @: 4854' w/ 10' KB

FRAC JOB

11-20-99 5262'-5436' **Frac A/LDC sand as follows:**
 102,200# 20/40 sand in 602 bbls Boragel fluid. Breakdown @ 2070 psi. Treated w/avg press of 2521 psi w/avg rate of 35.9 BPM. ISIP-3125 psi, 5min 2972 psi. Left pressure on well. Re-set plug; released pressure off well. Flowback 2 bbls fluid.

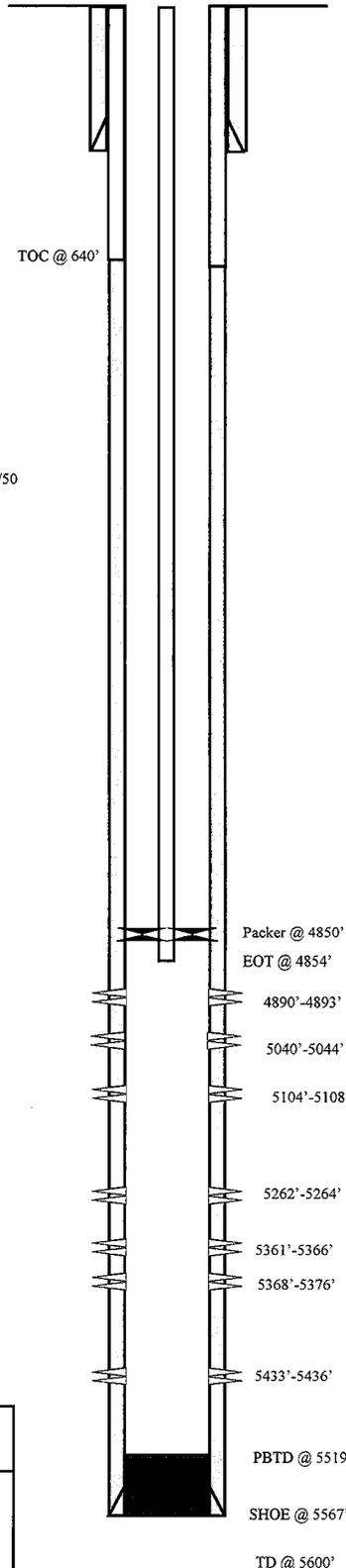
11-20-99 4890'-5108' **Frac C/B sand as follows:**
 99,900# 20/40 sand in 547 bbls 30# Boragel. Breakdown @ 1888 psi. Treated w/avg press of 2058 psi w/avg rate of 31.5 BPM. ISIP-2000 psi, 5 min 1938 psi. Flowback on 12/64" ck for 2-1/2 hrs & died.

12/13/02 **Parted rods.** Update rod and tubing detail.

5/27/09 **Pump Change.** Updated rod & tubing details.

4/19/10 **Convert to Injection Well**

4/21/10 **MIT Completed - tbg detail updated**



PERFORATION RECORD

11-20-99	5262'-5264'	4 JSPP	8 holes
11-20-99	5361'-5366'	4 JSPP	20 holes
11-20-99	5368'-5376'	4 JSPP	32 holes
11-20-99	5433'-5436'	4 JSPP	12 holes
11-20-99	4890'-4893'	4 JSPP	12 holes
11-20-99	5040'-5044'	4 JSPP	16 holes
11-20-99	5104'-5108'	4 JSPP	16 holes

NEWFIELD

South Wells Draw 10-4-9-16

2068' FSL and 2042' FEL

NWSE Section 4-T9S-R16E

Duchesne Co, Utah

API #43-013-32103; Lease #UTU-77338

South Wells Draw #4-3

Spud Date: 11/07/99
 Put on Production: 12/07/99
 GL: 5654' KB: 5667'

Initial Production: 56 BOPD, 53 MCFD
 0 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (328.29')
 DEPTH LANDED: 325.99'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 141 sx Class "G" plus additives; followed by 100 sx Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55 and N-80
 WEIGHT: 15.5# and 17#
 LENGTH: 142 jts (5939.10')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 285 sxs PremLite II; followed by 391 sx 50/50 Pozmix plus additives.
 SET AT: 5934.80'

TUBING

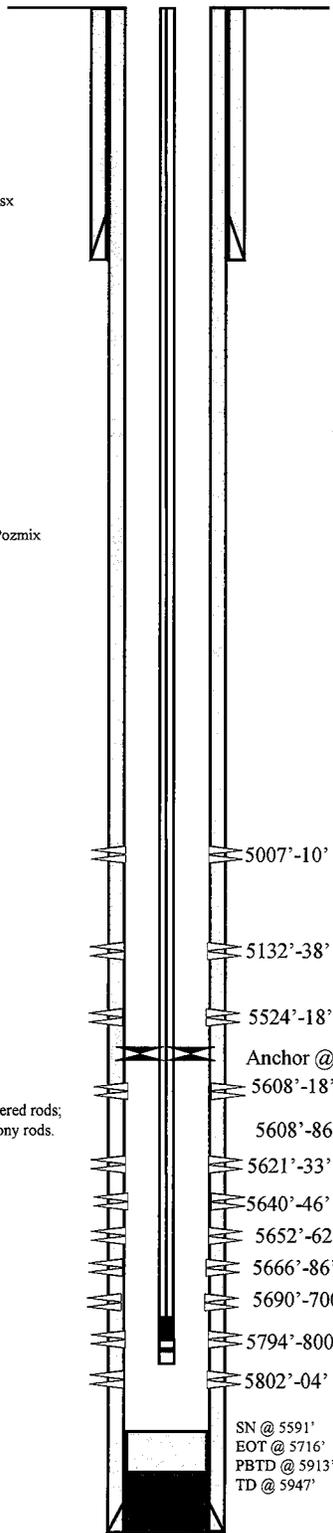
SIZE/GRADE/WT: 2-7/8", 6.5#, M-50
 NO. OF JOINTS: 182 jts
 TUBING ANCHOR: 5557'
 SEATING NIPPLE: 2-3/8" x 1.10"
 TOTAL STRING LENGTH: 5715.07'
 SN LANDED AT: 5591'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22'
 SUCKER RODS: 4 1" scraped rods; 5 7/8" plain rods; 6 3/4" scraped rods; 114 3/4" plain rods; 93 3/4" scraped rods; 1-8', 1-6', 1-2' x 3/4" pony rods.
 PUMP SIZE: 2-1/2"x1-1/2"x16' RHAC pump with 10.5' diptube
 STROKE LENGTH: 74"
 PUMP SPEED: 6 SPM
 LOGS: DIGL/SP/GR/CAL DSN/SDL/GR

FRAC JOB

- 11-30-99 5794-5804' Frac CP sand as follows:**
 52,187# 20/40 sand in 370 bbls
 Viking fluid. Breakdown @ 2736 psi. Treated w/avg press of 1730 psi w/avg rate of 25.9 BPM. ISIP-2190 psi, 5 min 2130 psi. Left pressure on well.
- 11-30-99 5608'-5700' Frac LDC sand as follows:**
 124,100# 20/40 sand in 637 bbls
 Viking fluid. Perfs broke down @ 3611 psi. Treated w/avg press of 2000 psi w/avg rate of 35.8 BPM. ISIP-2770 psi, 5 min 2620 psi. Left pressure on well.
- 11-30-99 5007-5218' Frac D/Bi-Carb/B sand as follows:**
 Unable to break down perfs.
 105,750# 20/40 sand in 692 bbls
 Viking fluid. Perfs broke down @ 4400 psi. Treated w/avg press of 2415 psi w/avg rate of 34.7 BPM. ISIP-2280 psi, 5 min 2135 psi. Flow back on 12/64" ck for 3 hrs & died. Recovered 165 BTF.



PERFORATION RECORD

Date	Interval	Type	Holes
11-30-99	5794'-5800'	4 JSPF	24 holes
11-30-99	5802'-5804'	4 JSPF	8 holes
11-30-99	5608'-5618'	2 JSPF	20 holes
11-30-99	5621'-5633'	2 JSPF	24 holes
11-30-99	5640'-5646'	2 JSPF	12 holes
11-30-99	5652'-5662'	2 JSPF	20 holes
11-30-99	5666'-5686'	2 JSPF	40 holes
11-30-99	5690'-5700'	2 JSPF	20 holes
11-30-99	5007'-5010'	4 JSPF	12 holes
11-30-99	5132'-5138'	4 JSPF	24 holes
11-30-99	5214'-5218'	4 JSPF	16 holes



South Wells Draw #4-3
 789' FNL and 754' FWL
 NWNW Section 3-T9S-R16E
 Duchesne Co, Utah
 API #43-013-32096 Lease #U-77338

ATTACHMENT E-13

Spud Date: 12/18/89
 Put on Production: 2/23/90
 Put on Injection: 4/19/01
 GL: 5640' KB: 5653'

Federal #23-33B-8-16

Initial Production: 60 BOPD, 0 MCFD
 100 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 JTS (283')
 DEPTH LANDED: 300'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 sks Class "G" cmt, est ? bbls to surface

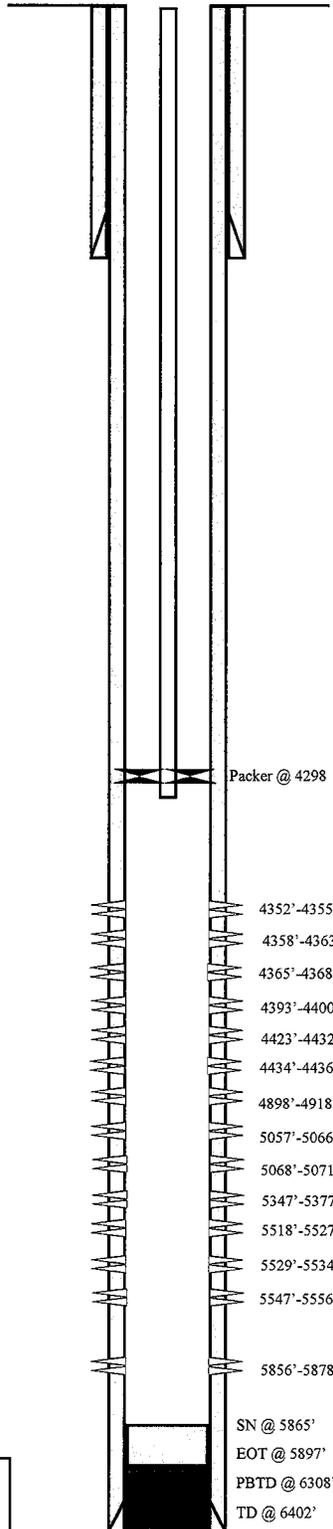
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 17#
 LENGTH: 151 jts (6402')
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sks Hi-Lift & 575 sks 10-0 RFC
 CEMENT TOP AT:
 SET AT: 6402'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 136 jts. (4278.30')
 SEATING NIPPLE: 2-7/8"
 SN LANDED AT: 4289.30'
 TOTAL STRING LENGTH: EOT @ 4297.80'

Injection Wellbore
 Diagram



FRAC JOB

1-27-90	5856'-5878'	36,000# 20/40 sand, 42,500# 16/30 sand, and 78,500# ttl sd. Avg TP 2100 psi. ISIP-2000 psi, 15 min 1817 psi.
1-30-90	5518'-5556'	36,000# 20/40 sand, 38,000# 16/30 sand and 74,000# ttl sd. Avg TP 3000 psi. ISIP-2985 psi, 15 min 2715 psi.
2-1-90	5347'-5377'	78,000# 20/40 sand, 78,000# 16/30 sand, and 156,000# ttl sd. Avg TP 1900 psi. ISIP-1750 psi, 15 min 1450 psi.
2-3-90	5057'-5071'	21,000# 20/40 SAND, 24,000# 16/30 sand, and 45,000# sd ttl. Screened out 74 bbls into flush. ATP 2200 psi.
2-6-90	4898'-4918	1307 bbls w/ 51,000# 20/40 sand and 51,000# 16/30 sand. BDP 2060 @ 2 BPM. Inc rate to 20 BPM. Press broke @ 3500 psi. Inc rate to 40 BPM @ 2140 psi.
4/12/00	4352'-4436'	469 bbls w/ 87,680# 20/40 sand. ATP 1900 @ 26 BPM. ISIP 2525 psi. Calc. flush: 4352 gal, Actual flush: 4158 gal.
4/18/06		5 Year MIT Completed and Submitted.
7/27/06		Workover - Marccet squeeze treatment
8/9/06		MIT completed and submitted.

PERFORATION RECORD

1-24-90	5856'-5878'	4 JSPF	88 holes
1-30-90	5518'-5527'	4 JSPF	36 holes
1-30-90	5529'-5534'	4 JSPF	20 holes
1-30-90	5547'-5556'	4 JSPF	36 holes
1-31-90	5347'-5377'	4 JSPF	120 holes
2-2-90	5057'-5066'	4 JSPF	36 holes
2-2-90	5068'-5071'	4 JSPF	12 holes
2-4-90	4898'-4918'	4 JSPF	80 holes
4/11/00	4352'-4355'	2 JSPF	06 holes
4/11/00	4358'-4363'	2 JSPF	10 holes
4/11/00	4365'-4368'	2 JSPF	06 holes
4/11/00	4393'-4400'	2 JSPF	14 holes
4/11/00	4423'-4432'	2 JSPF	18 holes
4/11/00	4434'-4436'	2 JSPF	04 holes

NEWFIELD

Federal #23-33B-8-16
 1653 FSL & 1888 FWL
 NESW Section 33-T8S-R16E
 Duchesne Co, Utah
 API #43-013-31251; Lease #U-49092

Federal #34-33B

Spud Date: 8-15-88
 Put on Production: 10-9-88
 GL: 5715' KB: 5730'

Initial Production: 580 BOPD,
 0 MCFPD, 249 BWPD

Injection Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: L-80, N-80
 WEIGHT: 47#, 53.5#
 LENGTH: 7 JTS (295.8')
 DEPTH LANDED: 310'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 sks Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2" / 17# / K-55
 LENGTH: 5564'
 CSG SIZE: 5-1/2" / 17# / N-80
 LENGTH: 5564' - 6410'
 SET AT: 6410' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 125 sks Hi-Lift & 500 Class "G" cement.
 CEMENT TOP AT: 2405'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 194 jts (6084.95') KB
 TUBING ANCHOR: 6099.95' KB
 NO. OF JOINTS: 1 jt (31.37') KB
 SEATING NIPPLE: 2-7/8"
 SN LANDED AT: 6134.07' KB
 NO. OF JOINTS: 1 jt (31.85') KB
 TOTAL STRING LENGTH: EOT @ 6167.42' KB

SUCKER RODS

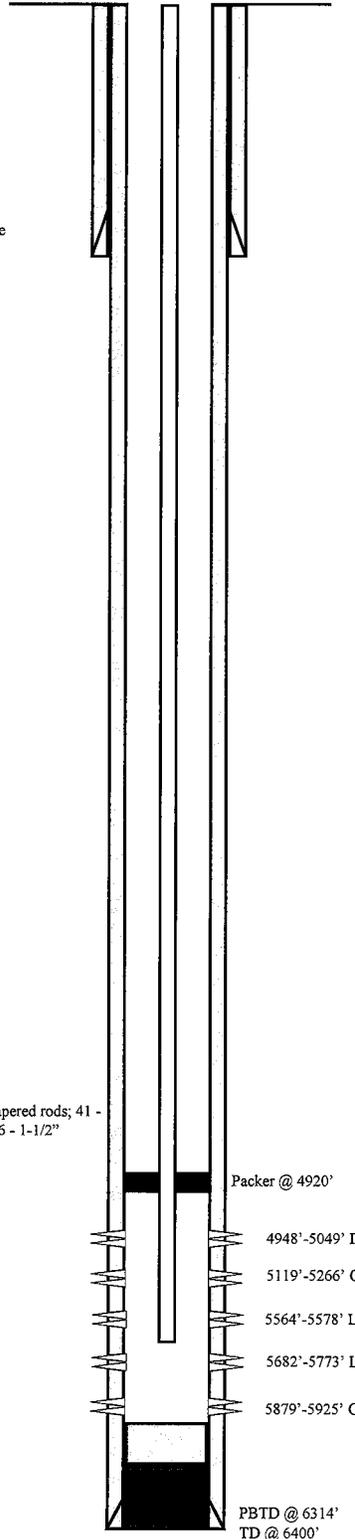
POLISHED ROD: 1-1/2"x22'
 SUCKER RODS: 1-2', 1-4', 2-8' x 7/8" pony rods; 68 - 7/8" scraped rods; 41 - 7/8" mixed rods; 118 - 3/4" plain rods; 10 - 3/4" scraped rods; 6 - 1-1/2" weight rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC
 STROKE LENGTH: 32"
 PUMP SPEED, SPM: 7 SPM

FRAC JOB

5879'-5925'	50,000# 20/40 sand 45,000 # 16/30 sand, 41,300 gal gel
5682'-5773'	30,600# 20/40 sand 46,400# 16/30 sand, 824 bbls fluid
5564'-5578'	30,100# 20/40 sand 39,800# 16/30 sand, 668 bbls fluid
5119'-5266'	31,000# 20/40 sand 40,900# 16/30 sand, 729 bbls fluid
4948'-5049'	65,100# 20/40 sand 46,100# 16/30 sand

PERFORATION RECORD

5879'-5925'	4 JSPF	? holes
5682'-5773'	4 JSPF	? holes
5564'-5578'	4 JSPF	? holes
5119'-5266'	4 JSPF	? holes
4948'-5049'	4 JSPF	? holes



NEWFIELD



Federal #34-33B
 614 FSL 1885 FEL
 SWSE Section 33-T8S-R16E
 Duchesne Co, Utah
 API #43-013-31269; Lease #U-49092

Federal #24-33B-8-16

Spud Date: 8-15-88
 Put on Production: 10-9-88
 GL: 5715' KB: 5730'

Initial Production: 37 BOPD, 0 MCFD
 0 BWPD

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: L-80, N-80
 WEIGHT: 47#, 53.5#
 LENGTH: 7 JTS (295.8')
 DEPTH LANDED: 310'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 skx Class "G" cmt, est ? bbls to surface

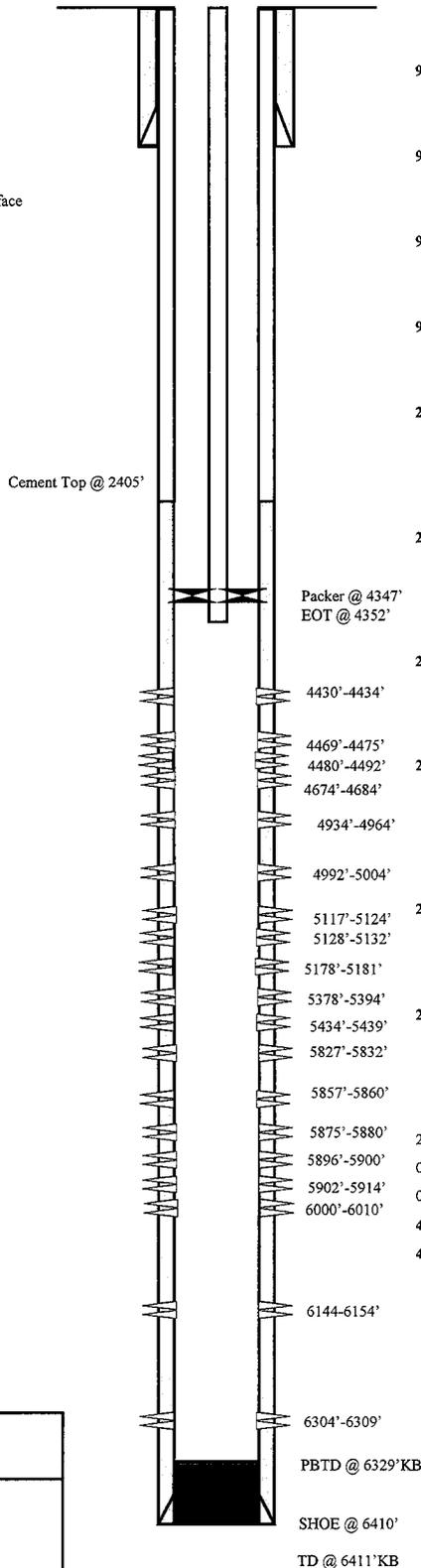
PRODUCTION CASING

CSG SIZE: 5-1/2" / 17# / K-55
 LENGTH: 5564'
 CSG SIZE: 5-1/2" / 17# / N-80
 LENGTH: 5564' - 6410'
 SET AT: 6410'KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 125 sks Hi-Lift & 500 Class "G" cement.
 CEMENT TOP AT: 2405'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 138 jts (4328.07') KB
 SEATING NIPPLE: 2-7/8"
 SN LANDED AT: 4343.07' KB
 TOTAL STRING LENGTH: EOT @ 4351.57' KB

Injection Wellbore Diagram



FRAC JOB

9-17-88	6304'-6309'	60,000# 20/40 sand in 642 bbl frac fluid. Avg. treating press. 3300 psi @ 36 BPM. ISIP 2000 psi. Calc. flush: 6304 gal. Actual flush 294 gal. Screened out.
9-21-88	6144'-6154'	50,000# 20/40 sand in 692 bbl frac fluid. Avg. treating press. 2400 psi @ 35 BPM. ISIP 2000 psi. Calc. flush: 6144 gal. Actual flush 5964 gal.
9-23-88	5896'-5914'	66,500# 20/40 sand in 590 bbl frac fluid. Avg. treating press. 1900 psi @ 36 BPM. ISIP 3800 psi. Calc. flush: 5896 gal. Actual flush 5544 gal.
9-27-88	5378'-5394'	38,500# 20/40 sand + 28,000# 16/30 sand in 786 bbls. frac fluid. Avg. treating press. 1900 psi @ 36 BPM. ISIP-1600 psi. Calc. flush: 5378 gal. Actual flush 5208 gal.
9-29-88	4934'-5004'	192,000# 20/40 sand in 1649 bbls. frac fluid. Avg. treating press. 2000 psi @ 50 BPM. ISIP-1800 psi. Calc. flush: 4934 gal. Actual flush 4788 gal.
2-17-03	6000'-6010'	Frac CP3 sands as follows: 22,894# 20/40 sand in 220 bbls. YF 125 fluid. Treated @ avg. pressure of 4580 psi w/avg. rate of 15.2 BPM. ISIP-1933 psi. Calc. flush: 1499 gal. Actual flush: 1444 gal.
2-18-03	5827'-5880'	Frac CP.5 and CP1 sands as follows: 50,132# 20/40 sand in 436 bbls. YF 125 fluid. Treated @ avg. pressure of 4007 psi w/avg. rate of 16.5 BPM. ISIP-2650 psi. Calc. flush: 1470 gal. Actual flush: 1405 gal.
2-18-03	5434'-5439'	Frac A3 sands as follows: 6,942# 20/40 sand in 115 bbls. YF 125 fluid. Treated @ avg. pressure of 4557 psi w/avg. rate of 15.4 BPM. ISIP-N/A. Frac communicated to upper perfs.
2-18-03	5378'-5439'	Frac existing A2 and new A3 sands as follows: 14,438# 20/40 sand in 153 bbls. YF 125 fluid. Treated @ avg. pressure of 3277 psi w/avg. rate of 15.6 BPM. ISIP-1878 psi. Calc. flush: 1413 gal. Actual flush: 1302 gal.
2-18-03	5117'-5181'	Frac B.5 and C sands as follows: 27,895# 20/40 sand in 252 bbls. YF 125 fluid. Treated @ avg. pressure of 3075 psi w/avg. rate of 16 BPM. ISIP-NA. Tubing rupture.
2-26-03	4430'-4684'	Frac GB and PB sands as follows: 60,274# 20/40 sand in 661 bbls. YF 125 fluid. Treated @ avg. pressure of 1959 psi w/avg. rate of 22.5 BPM. ISIP-2150 psi. Calc. flush: 4430 gal. Actual flush: 4206 gal.
2/03/04		Pump change.
02/17/06		Pump Change. Update rod and tubing detail
05/10/06		Pump Change. Update rod and tubing leak.
4/23/09		Well converted to an injection well.
4/30/09		MIT completed and submitted.

PERFORATION RECORD

9-15-88	6304'-6309'	4 JSPF	20 holes
9-20-88	6144'-6154'	4 JSPF	40 holes
9-22-88	5896'-5900'	4 JSPF	16 holes
9-22-88	5902'-5914'	4 JSPF	48 holes
9-24-88	5378'-5394'	4 JSPF	64 holes
9-28-88	4992'-5004'	4 JSPF	48 holes
9-28-88	4934'-4964'	4 JSPF	120 holes
2-17-03	6000'-6010'	4 JSPF	40 holes
2-17-03	5875'-5880'	4 JSPF	20 holes
2-17-03	5857'-5860'	4 JSPF	12 holes
2-17-03	5827'-5832'	4 JSPF	20 holes
2-17-03	5434'-5439'	4 JSPF	20 holes
2-17-03	5178'-5181'	4 JSPF	12 holes
2-17-03	5128'-5132'	4 JSPF	16 holes
2-17-03	5117'-5124'	4 JSPF	28 holes
2-17-03	4674'-4684'	4 JSPF	40 holes
2-17-03	4480'-4492'	4 JSPF	48 holes
2-17-03	4469'-4475'	4 JSPF	24 holes
2-17-03	4430'-4434'	4 JSPF	16 holes

CR 4/30/09

NEWFIELD

Federal #24-33B-8-16
 2103 FWL & 330 FSL
 SE/SW Section 33-T8S-R16E
 Duchesne Co, Utah
 API #43-013-31214; Lease #UTU-49092

ATTACHMENT E-16

Federal #11-4G-9-16

Spud Date: 12/21/89
 Put on Production: 3/21/90
 GL: 5750' KB: 5761'

Initial Production: 78 BOPD, 0 MCFD
 130 BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 JTS
 DEPTH LANDED: 296'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55
 WEIGHT: 17#
 LENGTH: 151 jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 317 sks Hi-Lift & 595 sks 10-0 RFC
 CEMENT TOP AT: 1430'
 SET AT: 6453'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 140 jts (4386.96')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4399.96'
 TOTAL STRING LENGTH: EOT @ 4408.46' w/13' KB

Casing Shoe @ 296'

Cement top @ 1430'

Packer @ 4404'
 EOT @ 4408'

4440'-4448'

4460'-4466'
 4468'-4476'

4924'-4946'

5013'-5019'

5108'-5113'

5156'-5162'

5222'-5230'

5360'-5370'

5386'-5393'

5420'-5435'

5515'-5560'

5847'-5862'

PBTD @ 6329'

TD @ 6453'

FRAC JOB

2-15-90 5847'-5862' 35,000# 20/40 sand, 53,000# 16/30 sand, and 88,000# ttl sd. Avg TP 2300 psi. ISIP-2330 psi.

2-17-90 5515'-5560' Screened out w/42,000# 20/40 in formation. Job scheduled from 180,000#, cannot maintain rate. Avg TP 3700 psi. ISIP-2700 psi, 15 min 1870 psi.

2-21-90 5360'-5435' 70,000# 20/40 sand, 68,000# 16/30 sand, and 138,000 sd ttl. Avg TP 2600 psi. ISIP-1800 psi, 15 min 940 psi.

2-24-90 5222'-5019' 41,000# 16/30 sand. Avg TP 2900 psi, 15 min 1150 psi.

2-27-90 4924'-4946' 48,000# 20/40 sand. Sand master broke down & couldn't pump 16/30 sand. Avg TP 2550 psi. ISIP-1770 psi, 15 min 1500 psi.

2-05-03 5156'-5162' Frac B.5 sands as follows:
 20,307# 20/40 sand in 198 bbls Viking I-25 fluid. Treated @ avg. pressure of 3953 psi w/avg. rate of 14.5 BPM. ISIP - 2695 psi. Calc. flush: 1307 gal. Actual flush: 1218 gal.

2-05-03 4440'-4476' Frac GB6 sands as follows:
 74,499# 20/40 sand in 564 bbls Viking I-25 fluid. Treated @ avg. pressure of 2176 psi w/avg. rate of 24.6 BPM. ISIP - 2240 psi. Calc. flush: 4440 gal. Actual flush: 4242 gal.

02-20-06 Pump Change. Updated rod and tubing detail

12/12/08 Well converted to an Injection well.

12/23/08 MIT completed and submitted.

PERFORATION RECORD

2-13-90	5847'-5862'	4 JSPF	60 holes
2-16-90	5515'-5560'	4 JSPF	180 holes
2-20-90	5360'-5370'	4 JSPF	40 holes
2-20-90	5386'-5393'	4 JSPF	28 holes
2-20-90	5420'-5435'	4 JSPF	60 holes
2-22-90	5222'-5230'	4 JSPF	32 holes
2-22-90	5108'-5113'	4 JSPF	20 holes
2-22-90	5013'-5019'	4 JSPF	24 holes
2-26-90	4924'-4946'	4 JSPF	88 holes
2-04-03	5156'-5162'	4 JSPF	24 holes
2-04-03	4468'-4476'	4 JSPF	32 holes
2-04-03	4460'-4466'	4 JSPF	24 holes
2-04-03	4440'-4448'	4 JSPF	32 holes

NEWFIELD

Federal #11-4G-9-16
 800 FWL & 660 FNL
 NWNW Section 4-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31250; Lease #U-30096

ATTACHMENT E-17

Federal #21-4G

Spud Date: 6-2-90
 Put on Injection: 1-11-95
 GL: 5715' KB: 5730'

Initial Production: 349 BOPD, 0 MCFD
 57 BWPD

Injection Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 JTS
 DEPTH LANDED: 305'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 210 sx Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: ? jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 145 sx Hi-Lift & 530 sx 10-0 RFC
 CEMENT TOP AT: 1150'
 SET AT: 6339'

TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 197 jts
 TUBING ANCHOR: 4877'
 SEATING NIPPLE: 2-7/8"
 TOTAL STRING LENGTH: ?
 SN LANDED AT: 6090'

FRAC JOB

8-10-90	6108'-6117'	40,720# 20/40 sand, 542 bbls. Avg press of 2200 psi w/avg rate of 25 BPM. ISIP-2100 psi, 15 min 1880 psi.
8-12-90	5794'-5839'	32,020# 20/40 sand, 42,265# 16/30 sand, and 849 bbls. ISIP-2030 psi, 5 min 1850 psi.
8-14-90	5398'-5414'	37,400# 20/40 sand, 49,300# 16/30 sand, and 885 bbls. Avg TP 2550 psi w/avg rate of 35 BPM. ISIP-2000 psi, 15 min 1650 psi.
8-17-90	4914'-4982'	60,800# 20/40 sand, 80,100# 16/30 sand, and 1303 bbls. Avg TP 2400 psi w/avg press of rate of 50 BPM.

Cement Top @ 1150'

Packer @ 4880'

PERFORATION RECORD

8-9-90	6108'-6117'	4 JSPF	36 holes
8-11-90	5794'-5802'	4 JSPF	32 holes
8-11-90	5830'-5839'	4 JSPF	36 holes
8-13-90	5398'-5414'	4 JSPF	64 holes
8-15-90	4914'-4944'	4 JSPF	120 holes
8-15-90	4976'-4982'	4 JSPF	24 holes

4914'-4944' D1

4976'-4982' D2

5398'-5414' A.3

5794'-5802' CP.5

5830'-5839' CP1

6108'-6117' CP5

SN @ 6090'

BOT @ 6122'

PBTD @ 6253'

TD @ 6350'

NEWFIELD

Federal #21-4G
 1958 FWL 760 FNL
 NENW Section 4-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31272; Lease #U-30096

ATTACHMENT E-18

Federal #42-4-9-16

Spud Date: 3/20/82
Put on Production: 6/22/82
GL: 5627' KB: 5641'

Initial Production: 121 BOPD, 430 MCFD
10 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
GRADE: K-55
WEIGHT: 36#
LENGTH: 8 JTS
DEPTH LANDED: 307'
HOLE SIZE: 12-1/4"
CEMENT DATA: 165 skx Class "G" cmt

PRODUCTION CASING

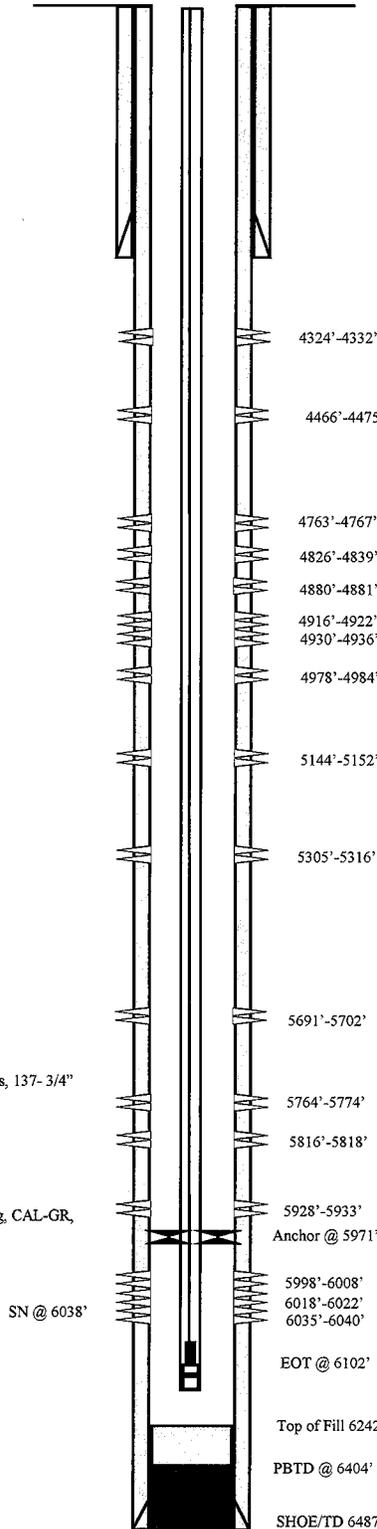
CSG SIZE: 5-1/2"
GRADE: N-80
WEIGHT: 17#
LENGTH: 165 jts
HOLE SIZE: 7-7/8"
CEMENT DATA: 720 sx Ideal "G"
CEMENT TOP AT: ?
SET AT: 6483'

TUBING

SIZE/GRADE/WT: 2-3/8", J-55, 4.7#
NO. OF JOINTS: 193 jts (5956.99')
TUBING ANCHOR: 5970.99' KB
NO. OF JOINTS: 2 jts (64.15')
SEATING NIPPLE: 2-3/8"
SN LANDED AT: 6037.89' KB
NO. OF JOINTS: 2 jt (62.18')
TOTAL STRING LENGTH: EOT @ 6101.55' W/14' KB

SUCKER RODS

POLISHED ROD: 1 1/4" x 26'
SUCKER RODS: 8- 1 1/2" weighted rods, 10- 3/4" scraped rods, 137- 3/4" plain rods, 84 -7/8" scraped rods, 1-2', 1-6" x 3/4" pony rods.
PUMP SIZE: 2" x 1-1/2" x 16"
STROKE LENGTH: 55"
PUMP SPEED, SPM: 6 SPM
LOGS: DIL-GR-SP, FDC-CNL-CAL-CGR-SGR, Prox-Micro Log, CAL-GR, BHC Sonic Cal "F" Log, Litho Density-GR



FRAC JOB

5/12/82	5144'-5152'	27,100 lbs. sand in 365 bbl frac fluid Screened out.
5/20/82	4978'-4984'	69,000 lbs. sand in 657 bbl. frac fluid. Avg treating press. 1750 psi @ 25 bpm. ISIP 2100 psi. Calc. flush: 4978 gal. Actual flush: 2020 gal.
5/27/82	4763'-4881'	165,000 lbs. sand in 1542 bbl. frac fluid. Avg treating press. 2100 psi @ 31 bpm. ISIP 2130 psi. Calc. flush: 4763 gal. Actual flush: 4800 gal.
01/10/03	4818'-4831'	Frac D3 sands as follows: 25,000# 20/40 sand in YF 125 fluid. Treated @ avg press of 3457 psi w/avg rate of 16.3 BPM. ISIP 1855 psi. Calc. flush:-1222 gal. Actual flush: 1171 gal.
01/10/03	4587'-4702'	Frac DS1 sands as follows: 149,640# 20/40 sand in YF 125 fluid. Treated @ avg press of 1598 psi w/avg rate of 23.8 BPM. ISIP 1998 psi. Calc. flush:4585 gal. Actual flush: 5200 gal.
01/11/03	4206'-4298'	Frac GB sands as follows: 50,120# 20/40 sand in 471 bbls YF 125 fluid. Treated @ avg press of 2162 psi w/avg rate of 23.6 BPM. ISIP 2060 psi. Calc. flush: 4206 gal. Actual flush: 4168 gal.
01/24/03	5928'-6040'	Frac CP4/BS sands as follows: 50,473# 20/40 sand in 387 bbls YF 125 fluid. Treated @ avg. press. of 3962 psi w/avg rate of 17.1 BPM.. ISIP-2038 psi. Calc. Flush:1538 gal. Actual flush: 1432 gal.
01/24/03	5691'-5818'	Frac CP.5 & CP2 sands as follows: 59,956# 20/40 sand in 453 bbls YF 125 fluid. Treated @ avg press of 3637 psi w/avg rate of 17.1 BPM.. ISIP-1975 psi. Calc. Flush:1484 gal. Actual flush: 1354 gal.
01/25/03	5305'-5316'	Frac A3 sands as follows: 20,595# 20/40 sand in 177 bbls YF 125 fluid. Treated @ avg press of 3860 psi w/avg rate of 16.5 BPM.. ISIP-1945 psi. Calc. Flush:1390 gal. Actual flush: 1278 gal.
01/25/03	4916'-4936'	Frac D3 sands as follows: 25,002# 20/40 sand in 211 bbls YF 125 fluid. Treated @ avg press of 4063 psi w/avg rate of 16.8 BPM.. ISIP-2830 psi. Calc. Flush:1239 gal. Actual flush: 1153 gal.
01/25/03	4324'-4475'	Frac GB4 & PB7 sands as follows: 61,399# 20/40 sand in 478 bbls YF 125 fluid. Treated @ avg press of 2493 psi w/avg rate of 18.7 BPM.. ISIP-2828 psi. Calc. Flush:4324 gal. Actual flush: 4093 gal.

PERFORATION RECORD

5/16/82	5144'-5152'	3 JSPF	24 holes
6/18/82	4978'-4984'	3 JSPF	18 holes
5/26/82	4763', 4766', 4767', 4826', 4829', 4830', 4831', 4832', 4834', 4838', 4839', 4880', 4881'	1 SPF	13 holes
01/23/03	4324'-4332'	4 JSPF	32 holes
01/23/03	4466'-4475'	4 JSPF	36 holes
01/23/03	4916'-4922'	4 JSPF	24 holes
01/23/03	4930'-4936'	4 JSPF	24 holes
01/23/03	5305'-5316'	4 JSPF	44 holes
01/23/03	5691'-5702'	4 JSPF	44 holes
01/23/03	5764'-5774'	4 JSPF	40 holes
01/23/03	5816'-5818'	4 JSPF	8 holes
01/23/03	5928'-5933'	4 JSPF	20 holes
01/23/03	5998'-6008'	4 JSPF	40 holes
01/23/03	6018'-6022'	4 JSPF	16 holes
01/23/03	6035'-6040'	4 JSPF	20 holes



Federal #42-4-9-16
2135' FNL 515' FEL
SENE Section 4-T9S-R16E
Duchesne Co, Utah
API #43-013-30638; Lease #U-30096

ATTACHMENT E-19

Federal #44-33B

Put on Production: 6-19-90
GL: 5715' KB: 5730'

Initial Production: 80 BOPD,
0 MCFPD, 96 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
GRADE: L-80, N-80
WEIGHT: 47#, 53.5#
LENGTH: 7 JTS (295.8')
DEPTH LANDED: '
HOLE SIZE: 12-1/4"
CEMENT DATA:

PRODUCTION CASING

CSG SIZE: 5-1/2" / 17# / K-55
LENGTH: '
CSG SIZE: 5-1/2" / 17# / N-80
LENGTH:
SET AT:
HOLE SIZE: 7-7/8"
CEMENT DATA: .
CEMENT TOP AT: '

TUBING

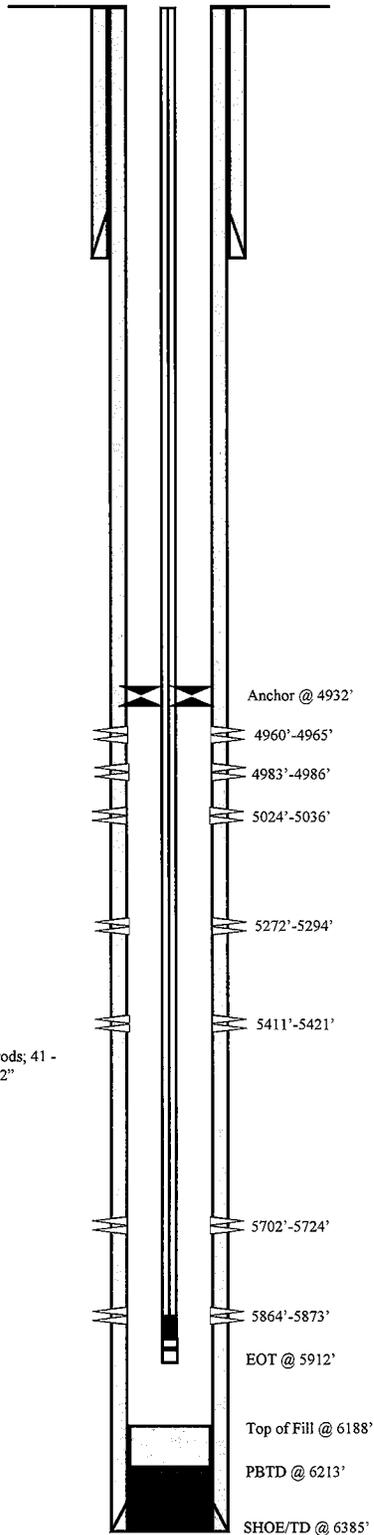
SIZE/GRADE/WT: 2-7/8", J-55, 6.5#
NO. OF JOINTS: 194 jts (6084.95') KB
TUBING ANCHOR: 6099.95' KB
NO. OF JOINTS: 1 jt (31.37') KB
SEATING NIPPLE: 2-7/8"
NO. OF JOINTS: 1 jt (31.85') KB
TOTAL STRING LENGTH: EOT @ 5912' KB

SUCKER RODS

POLISHED ROD: 1-1/2"x22'
SUCKER RODS: 1-2', 1-4', 2-8' x 7/8" pony rods; 68 - 7/8" scraped rods; 41 - 7/8" mixed rods; 118 - 3/4" plain rods; 10 - 3/4" scraped rods; 6 - 1-1/2" weight rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC
STROKE LENGTH: 82"
PUMP SPEED, SPM: 7 SPM

FRAC JOB

5864'-5873'	28,240# 20/40 sand, 37,250# 16/30 sand
5702'-5724'	37,470# 20/40 sand, 49,315# 16/30 sand
5411'-5421'	26,250# 20/40 sand, 34,620# 16/30 sand
5272'-5294'	37,410# 20/40 sand, 49,315# 16/30 sand
4960'-5036'	48,570# 20/40 sand, 63,885# 16/30 sand
8/3/04	Parted rods. Update rod and tubing detail.



PERFORATION RECORD

5864'-5873'	4 JSPF	36 holes
5702'-5724'	4 JSPF	88 holes
5411'-5421'	4 JSPF	40 holes
5272'-5294'	4 JSPF	88 holes
4960'-5036'	4 JSPF	36 holes



Federal #44-33B
666 FSL & 660 FEL
SESE Section 33-T8S-R16E
Duchesne Co, Utah
API #43-013-31270; Lease #U-49092

Federal #33-33B

Spud Date: 4/30/90
 Put on Production: 8/11/90
 GL: 5667' KB: 5682'

Initial Production: 57 BOPD,
 0 MCFPD, 112 BWPD

Wellbore Diagram

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: jts. (7')
 DEPTH LANDED: 301' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 1- 225, sxs Class "G" + 114 sxs floccle

PRODUCTION CASING

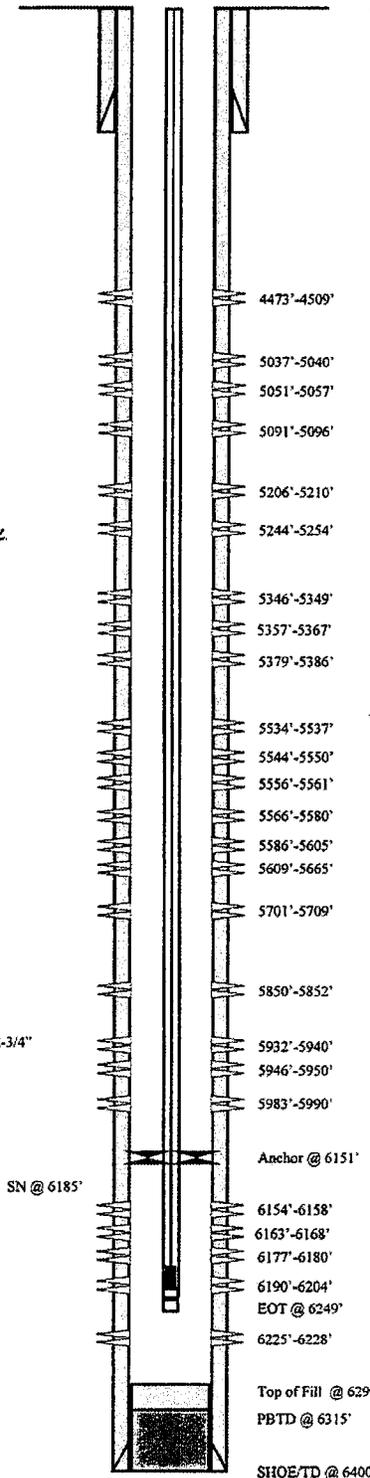
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: jts. (163')
 DEPTH LANDED: 6400' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA 155 sxs Prem. Lite II mixed & 520 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT. 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 197 jts (6151.1')
 TUBING ANCHOR: 6151.1' KB
 NO. OF JOINTS: 1 jts (31.1')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 6185' KB
 NO. OF JOINTS: 2 jts (62.4')
 TOTAL STRING LENGTH: EOT @ 6249' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM polished rods
 SUCKER RODS: 1-6", 1-4" X 1/2" Pony rods 89-3/4" guided rods, 152-3/4" slick rods, 4-1 1/2" weight rods
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 17"x 0' RHAC
 STROKE LENGTH: 102"
 PUMP SPEED, SPM: 4



FRAC JOB

7/11/90	5586'-5665'	Frac zone as follows: 83,990# 20/40 sand + 110,250# 16/30 sand in 1821 bbls fluid. Treated @ avg press of 2100 psi w/avg rate of 62.5 BPM. ISIP 2200 psi. Calc. flush: 5586 gal. Actual flush: 5418 gal.
7/13/90	5379'-5386'	Frac zone as follows: 18,600# 20/40 sand + 11,000# 16/30 sand in 443 bbls fluid. Treated @ avg press of 1600 psi w/avg rate of 63 BPM. ISIP 2100 psi. Calc. flush: 5379 gal. Actual flush: 2865 gal.
7/17/90	4473'-4509'	Frac zone as follows: 56,100# 20/40 sand + 73,750# 16/30 sand in 1253 bbls fluid. Treated @ avg press of 2300 psi w/avg rate of 40 BPM. ISIP 2300 psi. Calc. flush: 4473 gal. Actual flush: 4368 gal.
2/6/03	5850'-6228'	Frac CP and BS sands as follows: 119,440# 20/40 sand in 863 bbls YF 125 fluid. Treated @ avg. pressure of 4168 psi w/avg. rate of 17.4 BPM. ISIP - 1946 psi. Calc. flush: 1522 gal. Actual flush: 1389 gal.
2/7/03	5701'-5709'	Frac LoLODC sands as follows: 24,458# 20/40 sand in 202 bbls YF 125 fluid. Treated @ avg. pressure of 4996 psi w/avg. rate of 17.6 BPM. Calc. flush: 1439 gal. Actual flush: 722 gal
2/7/03	5534'-5580'	Frac UpLODC sands as follows: 74,500# 20/40 sand in 550 bbls YF 125 fluid. Treated @ avg. pressure of 3725 psi w/avg. rate of 17.8 BPM. ISIP - 1798 psi. Calc. flush: 1424 gal. Actual flush: 1277 gal.
2/8/03	5206'-5367'	Frac B1, B2 and UpA1 sands as follows: 65,500# 20/40 sand in 474 bbls YF 125 fluid. Treated @ avg. pressure of 3512 psi w/avg. rate of 17.3 BPM. ISIP - 2189 psi. Calc. flush: 1348 gal. Actual flush: 1132 gal.
2/8/03	5037'-5096'	Frac D3 and C sands as follows: 22,468# 20/40 sand in 204 bbls YF 125 fluid. Treated @ avg. pressure of 3351 psi w/avg. rate of 17.9 BPM.
5/8/03		Pump Change. Update rod and tubing detail.
10/12/05		Pump Change (Lower EOT)
11/14/05		Pump Change (Lower EOT)
12/08/05		Tubing Leak. Detail tubing and rod update.
11/9/2009		Pump change. Update rod and tubing details.

PERFORATION RECORD

7/10/90	5609'-5665'	4 JSPP	224 holes
7/10/90	5586'-5605'	4 JSPP	76 holes
7/12/90	5379'-5386'	4 JSPP	28 holes
7/14/90	4473'-4509'	4 JSPP	144 holes
2/4/03	6225'-6228'	4 JSPP	12 holes
2/4/03	6190'-6204'	4 JSPP	56 holes
2/4/03	6177'-6180'	4 JSPP	12 holes
2/4/03	6163'-6168'	4 JSPP	36 holes
2/4/03	6154'-6158'	4 JSPP	36 holes
2/4/03	5983'-5990'	4 JSPP	28 holes
2/4/03	5946'-5950'	4 JSPP	48 holes
2/4/03	5932'-5940'	4 JSPP	48 holes
2/4/03	5850'-5852'	4 JSPP	8 holes
2/4/03	5701'-5709'	4 JSPP	32 holes
2/4/03	5566'-5580'	4 JSPP	76 holes
2/4/03	5556'-5561'	4 JSPP	76 holes
2/4/03	5544'-5550'	4 JSPP	36 holes
2/4/03	5534'-5537'	4 JSPP	36 holes
2/4/03	5357'-5367'	4 JSPP	52 holes
2/4/03	5346'-5349'	4 JSPP	52 holes
2/4/03	5244'-5254'	4 JSPP	56 holes
2/4/03	5206'-5210'	4 JSPP	56 holes
2/4/03	5091'-5096'	4 JSPP	20 holes
2/4/03	5051'-5057'	4 JSPP	36 holes
2/4/03	5037'-5040'	4 JSPP	36 holes



Federal #33-33B
 1857 FSL & 1883 FEL
 NWSE Section 33-T8S-R16E
 Duchesne Co, Utah
 API #43-013-31268; Lease #U-49092

ATTACHMENT E-21

Federal #43-33B

Spud Date: 9/5/89

Put on Production: 11/10/89
Put on Injection: 1/11/95

GL: 5673' KB: 5686'

SURFACE CASING

CSG SIZE: 9-5/8"
GRADE: K-55
WEIGHT: 36#
LENGTH: 306.09'
DEPTH LANDED: 309'
HOLE SIZE: 12-1/4"
CEMENT DATA: 165 sxs cmt

PRODUCTION CASING

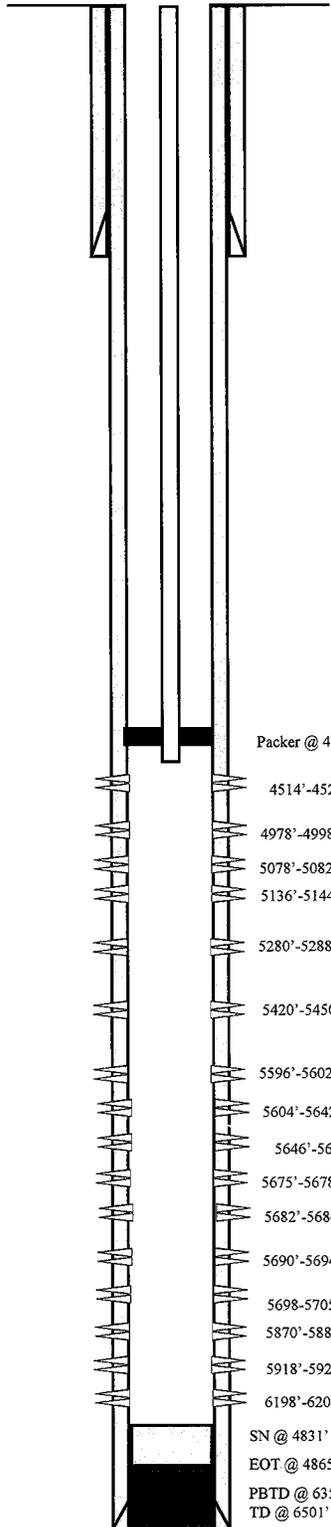
CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 17#
LENGTH: 6481.5'
DEPTH LANDED: 6483'
HOLE SIZE: 7-7/8"
CEMENT DATA: 1045 sxs cement
CEMENT TOP AT: Sfc

TUBING

SIZE/GRADE/WT.: 2-7/8" / 6.5# / J-55
NO. OF JOINTS: 156 jts (4817')
SN LANDED AT: 4831' KB
NO. OF JOINTS: 1 jts (29.41')
PACKER: 4862' KB
TOTAL STRING LENGTH: EOT @ 4865' KB

Initial Production: 240 BOPD,
0 MCFPD, 126 BWPD

Injection Wellbore Diagram



FRAC JOB

5596'-5705'	1933 bbl fluid 73,100# 20/40 sand, 84,900# 16/30 sand
5420'-5450'	1095 bbl fluid 45,900# 20/40 sand, 74,300# 16/30 sand
5280'-5288'	676 bbl fluid 26,000# 20/40 sand, 44,000# 16/30 sand
5136'-5144'	685 bbl fluid 32,800# 20/40 sand, 10,200# 16/30 sand
4978'-4998'	942 bbl fluid 41,080# 20/40 sand, 55,215# 16/30 sand
10/29/94	Convert to injector.

Packer @ 4862'

4514'-4520' GB6

4978'-4998' D1

5078'-5082' D3

5136'-5144' C

5280'-5288' B2

5420'-5450' A1

5596'-5602' LODC

5604'-5642' LODC

5646'-5652' LODC

5675'-5678' LODC

5682'-5686' LODC

5690'-5694' LODC

5698'-5705' LODC

5870'-5882' CP5

5918'-5922' CP5

6198'-6204' BS

SN @ 4831' KB

EOT @ 4865' KB

PBTD @ 6353'

TD @ 6501'

PERFORATION RECORD

5596'-5705'	2 JSPF	132 holes
5420'-5450'	4 JSPF	80 holes
5280'-5288'	4 JSPF	32 holes
5136'-5144'	4 JSPF	32 holes
4978'-4998'	4 JSPF	80 holes

NEWFIELD



Federal #43-33B
1837 FSL & 590 FEL
NESE Section 33-T8S-R16E
Duchesne Co, Utah
API #43-013-31240; Lease #U-49092

Wells Draw P-34-8-16

Spud Date: 06/05/09
 Put on Production: 07/14/09
 GL: 5701' KB: 5713'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 275.89'
 DEPTH LANDED: 328.02'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G+2%" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 6435.13'
 HOLE SIZE: 7-7/8"
 TOTAL DEPTH: 6465.38'
 CEMENT DATA: 275 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.
 CEMENT TOP AT: 0'

As of today well is flowing to production tanks.

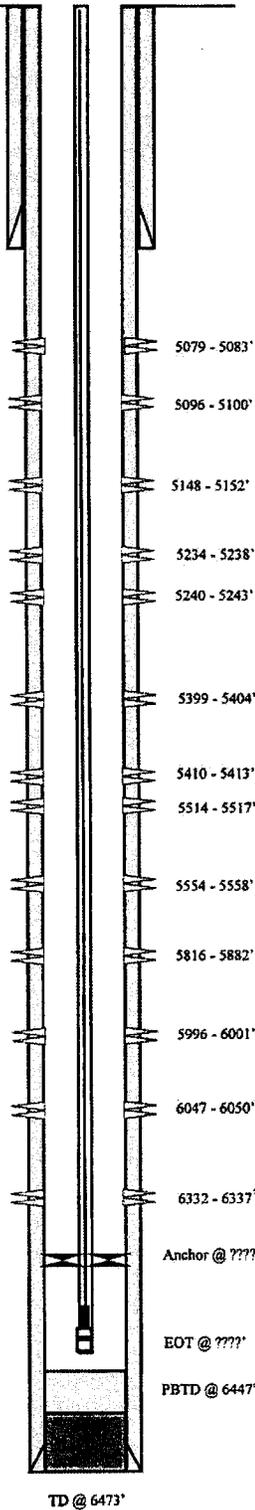
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: jts ()
 TUBING ANCHOR: '
 NO. OF JOINTS: jts ()
 SEATING NIPPLE: 2-7/8" ()
 SN LANDED AT: KB
 NO. OF JOINTS: jts ()
 TOTAL STRING LENGTH: EOT @'

SUCKER RODS

POLISHED ROD: 11/2" x ?'
 SUCKER RODS: ?-2', ?-4'x7/8" pony subs, ?-7/8" guided rods, ?-1 1/2" weight bars
 PUMP SIZE: 1-1/2" x 1-3/4" x ?" RHAC pump w/ SM plunger ??????
 PUMP SPEED, SPM ??

SN @ ?????



FRAC JOB

7-15-09 6332 - 6337' Frac CP5 sands as follows: Frac with 14,574# 20/40 sand in 119 bbls Lightning 17 fluid. Treat at 2779 psi @ 11.0 BPM. ISIP 1818 psi.

7-15-09 5996 - 6050' Frac CP.5 & CP1 sands as follows: Frac with 40,521# 20/40 sand in 259 bbls Lightning 17 fluid. Treat at 3242 psi @ 30.0 BPM. ISIP 2015 psi.

7-15-09 5816 - 5822' Frac LODC sands as follows: Frac with 15,086# 20/40 sand in 120 bbls Lightning 17 fluid. Treat at 2356 psi @ 16 BPM. ISIP 1920 psi.

7-15-09 5554 - 5517' Frac A1 & A.5 sands as follows: Frac with 34,511# 20/40 sand in 288 bbls Lightning 17 fluid. Treat at 3350 psi @ 30.0 BPM. ISIP 2034 psi.

7-15-09 5399 - 5413' Frac B2 sands as follows: Frac with 89,291# 20/40 sand in 537 bbls Lightning 17 fluid. Treat at 2734 psi @ 30.0 BPM. ISIP 2140 psi.

7-15-09 5234 - 5243' Frac C sands as follows: Frac with 35,095# 20/40 sand in 292 bbls Lightning 17 fluid. Treat at 2875 psi @ 30.0 BPM. ISIP 2165 psi.

7-15-09 5079 - 5100' Frac D1 & D2 sands as follows: Frac with 134,767# 20/40 sand in 764 bbls Lightning 17 fluid. Treat at 2832 psi @ 42.0 BPM. ISIP 2540 psi.

PERFORATION RECORD

6332 - 6337'	3 JSPP	15 holes
6047 - 6050'	3 JSPP	9 holes
5996 - 6001'	3 JSPP	15 holes
5816 - 5822'	3 JSPP	18 holes
5554 - 5558'	3 JSPP	12 holes
5514 - 5517'	3 JSPP	9 holes
5410 - 5413'	3 JSPP	9 holes
5399 - 5404'	3 JSPP	15 holes
5240 - 5243'	3 JSPP	9 holes
5234 - 5238'	3 JSPP	12 holes
5148 - 5152'	3 JSPP	12 holes
5096 - 5100'	3 JSPP	12 holes
5079 - 5083'	3 JSPP	12 holes

NEWFIELD

Wells Draw P-34-8-16

Section 33-T8S-R16E
 Duchesne Co, Utah
 API #43-013-33977; Lcase #UTU-47171

Wells Draw Federal Q-33-8-16

Spud Date: 5/20/08
 Put on Production: 6/27/2008
 GL: 5713' KB: 5725'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7jts
 DEPTH LANDED: 305.28'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: To surface with 160 sx class 'G' cmt

PRODUCTION CASING

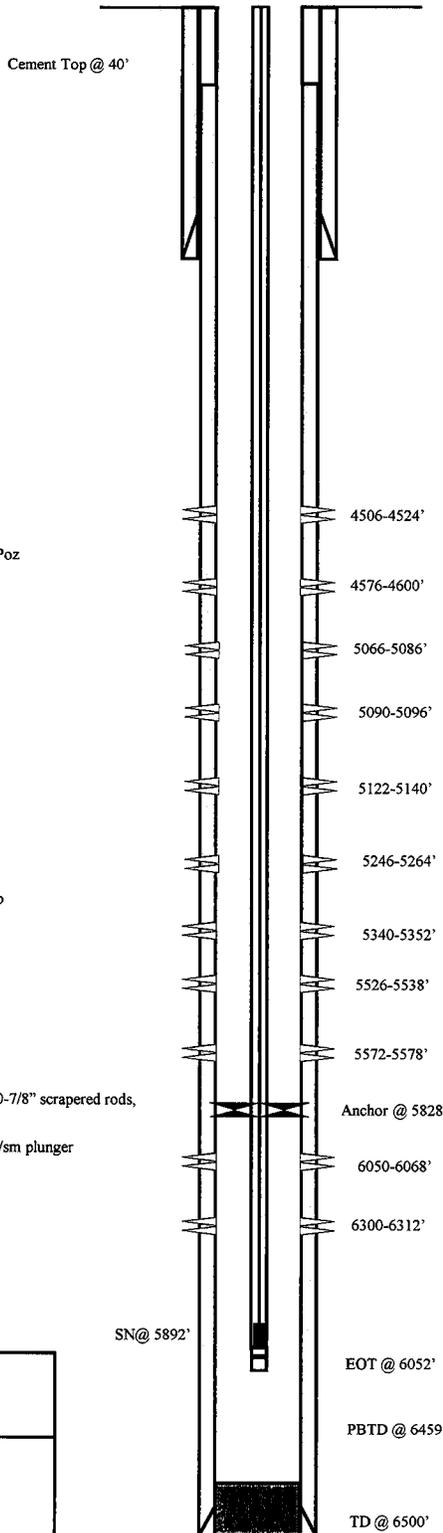
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 160 jts
 DEPTH LANDED: 6500'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sx Premlite II and 450 sx 50/50 Poz

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 189jts
 TUBING ANCHOR: 5827.93'
 NO. OF JOINTS: 2jts (61.40')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5892.13'
 NO. OF JOINTS: 4jts
 TOTAL STRING LENGTH: EOT @ 6052.47' w/12' kb

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' polished rods
 SUCKER RODS: 1-8', 1-4' & 1-2' x 7/8" pony rods, 230-7/8" scraped rods, 4-1 1/2" weight rods, 21k shear cplg.
 PUMP SIZE: CDI 2-1/2" x 1-3/4" x 20' RHAC pump w/sm plunger
 STROKE LENGTH: 144"
 PUMP SPEED, SPM: 5



FRAC JOB

6/23/08 6300-6312' **Frac CP5 sds as follows:**
 Frac w/ 39,852# 20/40 sand in 436 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2239 psi @ ave rate of 23.1 BPM. ISIP 2497 psi. Actual flush: 5796 gals.

6/23/08 6050-6068' **Frac CP2 sds as follows:**
 Frac w/ 95,195# 20/40 sand in 747 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1862 psi @ ave rate of 23.1 BPM. ISIP 2181 psi. Actual flush: 5552 gals.

6/23/08 5526-5538' **Frac A1 & A3 sds as follows:**
 Frac w/100,414# 20/40 sand in 756 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1904 psi @ ave rate of 23.1 BPM. ISIP 2131 psi. Actual flush: 5036 gals.

6/23/08 5340-5352' **Frac B1 sds as follows:**
 Frac w/ 28,958# 20/40 sand in 398 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2014 psi @ ave rate of BPM. ISIP 1995 psi. Actual flush: 4838 gals.

6/23/08 5246-5264' **Frac C sds as follows:**
 Frac w/ 79,993# 20/40 sand in 631 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2093 psi @ ave rate of 23.1 BPM. ISIP 2266 psi. Actual flush: 4733 gals.

6/23/08 5066-5086' **Frac D1 & D2 sds as follows:**
 Frac w/ 219,703# 20/40 sand in 1489 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2076 psi @ ave rate of 24.9 BPM. ISIP 2307 psi. Actual flush: 4561 gals.

6/23/08 4576-4600' **Frac GB6 sds as follows:**
 Frac w/139,638# 20/40 sand in 1000 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1874 psi @ ave rate of 25.5 BPM. ISIP 2200 psi. Actual flush: 4066 gals.

6/23/08 4506-4524' **Frac GB2 sds as follows:**
 Frac w/ 65,170# 20/40 sand (34,830#s short) in 610 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2431 psi @ ave rate of 23.1 BPM. ISIP 2583 psi. Actual flush: 4502 gals.

PERFORATION RECORD

4506-4524'	4 JSPF	72 holes
4576-4600'	4 JSPF	96 holes
5066-5086'	4 JSPF	72 holes
5090-5096'	4 JSPF	24 holes
5122-5140'	4 JSPF	72 holes
5246-5264'	4 JSPF	72 holes
5340-5352'	4 JSPF	48 holes
5526-5538'	4 JSPF	48 holes
5572-5578'	4 JSPF	24 holes
6050-6068'	4 JSPF	72 holes
6300-6312'	4 JSPF	48 holes

NEWFIELD

Wells Draw Fed. Q-33-8-16

346' FSL & 2122' FWL
 SE/SW Section 33-T8S-R16E
 Duchesne Co, Utah
 API #43-013-33751; Lease # UTU-49092

Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-46352**

Well Name: **Federal 31-4G-9-16**

Sample Point: **Treater**

Sample Date: **9 /7 /2010**

Sales Rep: **Monty Frost**

Lab Tech: **John Keel**

Sample Specifics	
Test Date:	9/7/2010
Temperature (°F):	160
Sample Pressure (psig):	
Specific Gravity (g/cm³):	1.0050
pH:	8.2
Turbidity (NTU):	-
Calculated T.D.S. (mg/L):	6575
Molar Conductivity (µS/cm):	9962
Resitivity (Mohm):	1.0038

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	7.30	Chloride (Cl):	3000.00
Magnesium (Mg):	1.80	Sulfate (SO ₄):	39.00
Barium (Ba):	11.00	Dissolved CO ₂ :	-
Strontium (Sr):	-	Bicarbonate (HCO ₃):	1147.00
Sodium (Na):	2369.00	Carbonate (CO ₃):	-
Potassium (K):	-	H ₂ S:	-
Iron (Fe):	0.01	Phosphate (PO ₄):	-
Manganese (Mn):	0.01	Silica (SiO ₂):	-
Lithium (Li):	-	Fluoride (F):	-
Aluminum (Al):	-	Nitrate (NO ₃):	-
Ammonia NH ₃ :	-	Lead (Pb):	-
		Zinc (Zn):	-
		Bromine (Br):	-
		Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate CaCO ₃		Gypsum CaSO ₄ · 2H ₂ O		Calcium Sulfate CaSO ₄		Strontium Sulfate SrSO ₄		Barium Sulfate BaSO ₄		Calculated CO ₂
Temp °F	Gauge Press. psi	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
160		3.17	7.15	0.00	-1628.80	0.00	-1475.40	-	-	5.09	14.29	0.19
80	0	1.45	3.28	0.00	-8.03	0.00	-2329.40	-	-	23.21	17.69	0.09
100	0	1.92	5.35	0.00	-4.28	0.00	-2185.10	-	-	15.38	17.18	0.11
120	0	2.36	6.48	0.00	-1.86	0.00	-1975.90	-	-	10.43	16.48	0.13
140	0	2.79	7.01	0.00	-0.38	0.00	-1731.00	-	-	7.22	15.54	0.14
160	0	3.17	7.15	0.00	0.41	0.00	-1475.40	-	-	5.09	14.29	0.16
180	0	3.46	7.06	0.00	0.76	0.00	-1227.90	-	-	3.65	12.68	0.18
200	0	3.65	6.90	0.00	0.87	0.00	-1000.80	-	-	2.66	10.66	0.18
220	2.51	3.72	6.76	0.00	0.84	0.00	-808.74	-	-	1.93	7.99	0.18
240	10.3	3.71	6.64	0.00	0.76	0.00	-637.49	-	-	1.44	4.87	0.18
260	20.76	3.62	6.55	0.00	0.66	0.00	-495.11	-	-	1.08	1.12	0.18
280	34.54	3.45	6.46	0.00	0.53	0.00	-379.26	-	-	0.82	-3.35	0.18
300	52.34	3.23	6.32	0.00	0.38	0.01	-286.62	-	-	0.62	-8.62	0.19

Conclusions:

Calcium Carbonate scale is indicated at all temps from 80°F to 300°F
Gypsum Scaling Index is negative from 80°F to 300°F
Calcium Sulfate Scaling Index is negative from 80°F to 300°F
Strontium Sulfate scaling was not evaluated
Barium Sulfate NO CONCLUSION

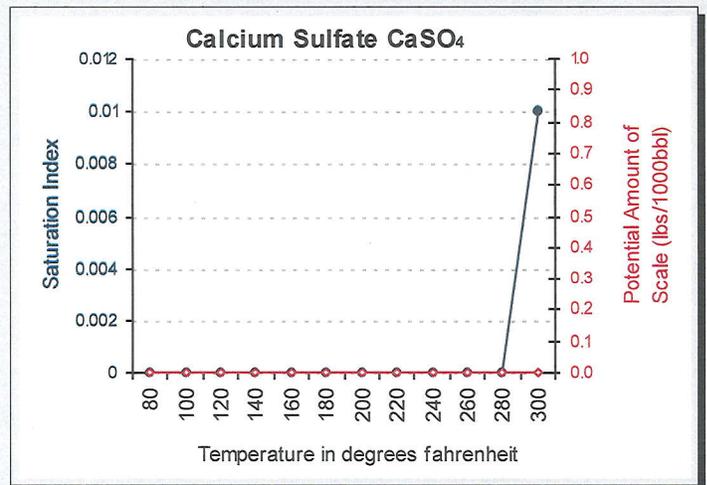
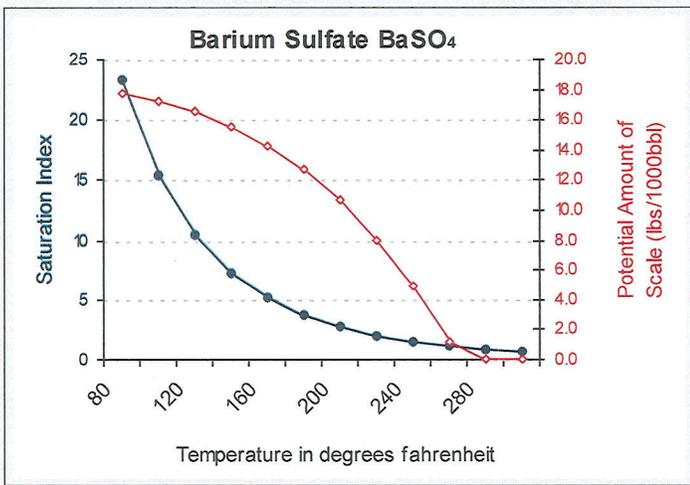
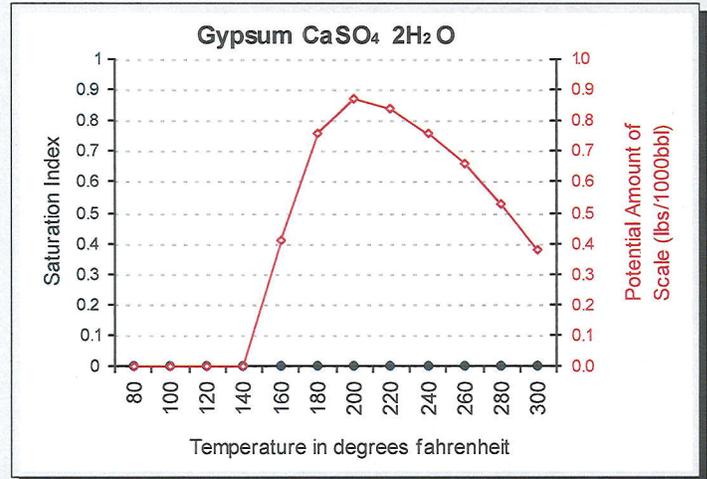
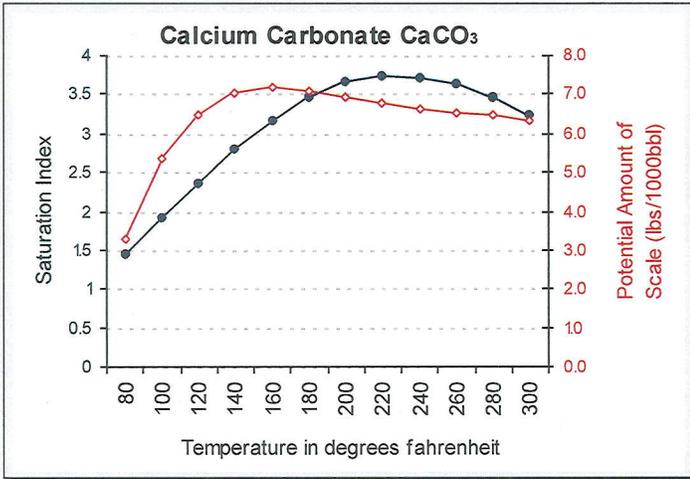
Notes:

Multi-Chem Group, LLC
 Multi-Chem Analytical Laboratory
 1553 East Highway 40
 Vernal, UT 84078

Scale Prediction Graphs

Well Name: **Federal 31-4G-9-16**

Sample ID: **WA-46352**





Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**
Well Name: **SOUTH WELLS DRAW INJ**
Sample Point: **Tri-plex suction**
Sample Date: **1 /5 /2010**
Sales Rep: **Randy Huber**
Lab Tech: **John Keel**

Sample ID: **WA-35269**

Sample Specifics	
Test Date:	1/5/2010
Temperature (°F):	100
Sample Pressure (psig):	0
Specific Gravity (g/cm³):	1.0080
pH:	8.5
Turbidity (NTU):	-
Calculated T.D.S. (mg/L):	14518
Molar Conductivity (µS/cm):	21997
Resitivity (Mohm):	0.4546

Analysis @ Properties in Sample Specifics			
Cations	mg/L	Anions	mg/L
Calcium (Ca):	40.00	Chloride (Cl):	7000.00
Magnesium (Mg):	48.80	Sulfate (SO₄):	347.00
Barium (Ba):	3.00	Dissolved CO₂:	-
Strontium (Sr):	-	Bicarbonate (HCO₃):	1854.00
Sodium (Na):	5221.00	Carbonate (CO₃):	-
Potassium (K):	-	H₂S:	2.00
Iron (Fe):	2.29	Phosphate (PO₄):	-
Manganese (Mn):	0.18	Silica (SiO₂):	-
Lithium (Li):	-	Fluoride (F):	-
Aluminum (Al):	-	Nitrate (NO₃):	-
Ammonia NH₃:	-	Lead (Pb):	-
		Zinc (Zn):	-
		Bromine (Br):	-
		Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
Temp °F	Gauge Press. psi	Calcium Carbonate CaCO₃		Gypsum CaSO₄ · 2H₂O		Calcium Sulfate CaSO₄		Strontium Sulfate SrSO₄		Barium Sulfate BaSO₄		Calculated CO₂ psi
		Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	
100	0	18.63	61.28	0.01	-2464.50	0.00	-2627.60	-	-	19.57	4.84	0.12
80	0	14.85	60.19	0.01	65.24	0.00	-2798.30	-	-	29.93	4.93	0.07
100	0	18.63	61.28	0.01	76.56	0.00	-2627.60	-	-	19.57	4.84	0.08
120	0	21.65	59.58	0.01	82.61	0.01	-2371.20	-	-	13.09	4.71	0.09
140	0	23.90	57.39	0.01	83.93	0.01	-2066.00	-	-	8.93	4.52	0.10
160	0	25.14	55.68	0.01	81.37	0.01	-1744.20	-	-	6.21	4.27	0.11
180	0	25.30	54.75	0.01	76.58	0.01	-1430.50	-	-	4.39	3.93	0.12
200	0	24.51	54.39	0.01	70.28	0.02	-1141.40	-	-	3.14	3.46	0.12
220	2.51	22.80	54.08	0.01	62.89	0.03	-898.26	-	-	2.22	2.79	0.12
240	10.3	20.78	51.88	0.01	53.89	0.04	-678.18	-	-	1.62	1.93	0.12
260	20.76	18.51	46.86	0.01	45.00	0.07	-494.29	-	-	1.19	0.80	0.12
280	34.54	16.19	40.18	0.02	37.07	0.11	-344.07	-	-	0.88	-0.70	0.12
300	52.34	13.94	33.58	0.02	30.34	0.19	-223.92	-	-	0.65	-2.65	0.12

Conclusions:

Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F
Gypsum Scaling Index is negative from 80°F to 300°F
Calcium Sulfate Scaling Index is negative from 80°F to 300°F
Strontium Sulfate scaling was not evaluated
Barium Sulfate NO CONCLUSION

Notes:

4 of 4

Multi-Chem Group, LLC

Multi-Chem Analytical Laborator
 1553 East Highway 40
 Vernal, UT 84078

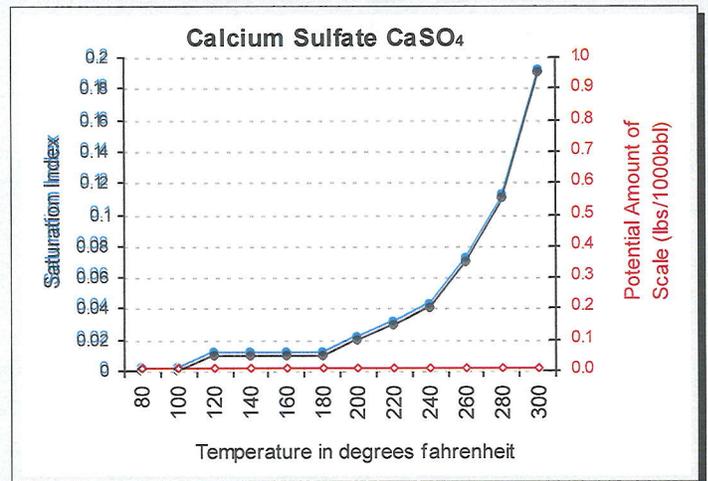
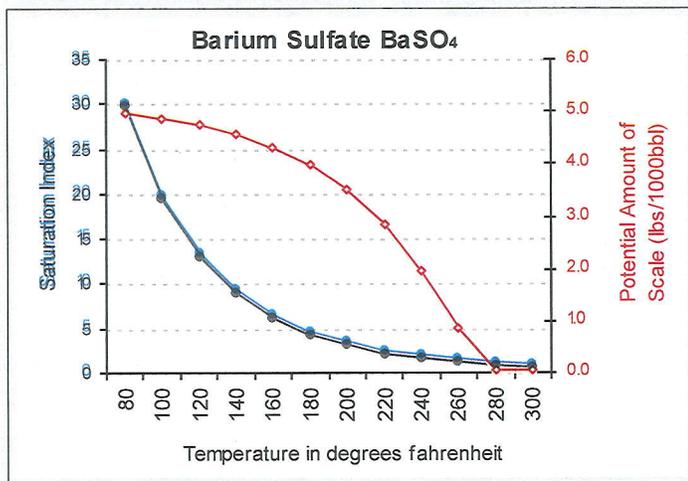
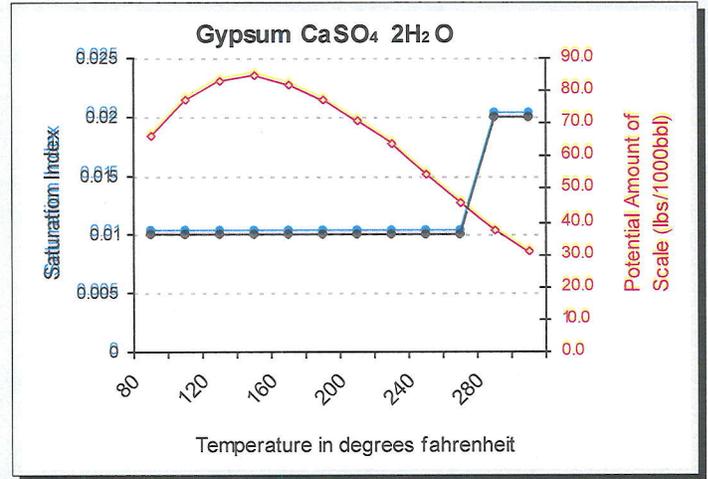
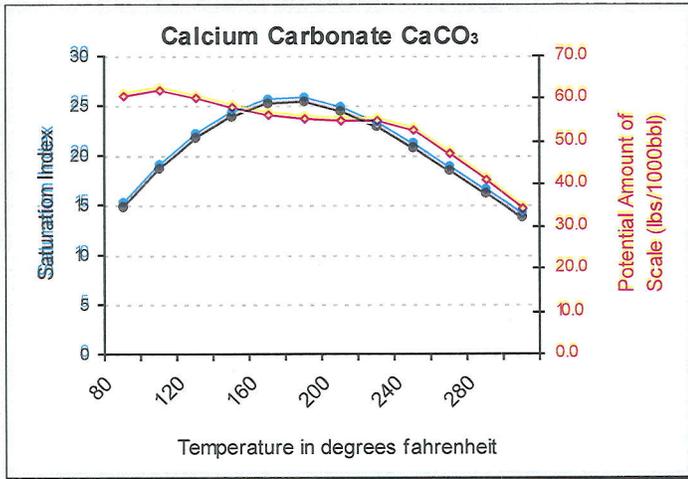


multi-chem®

Scale Prediction Graphs

Well Name: SOUTH WELLS DRAW INJ

Sample ID: WA-35269



Attachment "G"

**Federal #31-4G-9-16
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5386	5396	5391	1800	0.77	1765
4950	4961	4956	1900	0.82	1868
5114	5135	5125	1765	0.78	1732
				Minimum	<u>1732</u> ←

Calculation of Maximum Surface Injection Pressure
 $P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf})) / \text{Top Perf}.$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

NGC ENERGY COMPANY

NGC OPERATED - COMPLETION

**Natural Gas Corporation of California
Pleasant Valley
Federal #31-4-G**

500' FNL 1900' FEL, NW NE Sec. 4-T9S-R16E, Duchesne County, UT.
PTD 6500'. Formation: Green River. Spud: 4/27/89. Contractor: General Well Service Rig #1. Elevaton: 5713' GR. Chorney Oil went non-consent; NGCE has 100% WI. AFE #8953. AFE Drilling Amt: \$120,340. AFE Completion Amt: \$306,660. Total AFE Amt: \$427,000

5-16-89 Day 1. MIRU General Well Service Rig #1. NU BOP's. PU 4-3/4" bit, 5-1/2" casing scraper and RIH w/2-7/8" tbg to 5523'. Displace well w/2% KCL water w/clay stabilizer and biocide. POOH w/50 stands tbg and SION. Today's Operation: Run cement bond log and perf bottom interval. Daily cost \$1,805; CCC \$1,805

5-17-89 Day 2. Run cement bond log from 5509'-2300' w/Halliburton Logging Services. Pressure test casing to 3000#. Held Ok. RIH w/4" casing gun and perforate interval @ 5386'-96' (Ed) SION. Today's Operation: Frac interval @ 5386'-96'. Daily cost \$5,736; CCC \$7,541

5-18-89 Day 3. RU Smith Energy and frac interval 5386'-96' as follows:

Press (CSG)	Rate (BPM)	Volume (BBLs)	Event
0	0	0	Start pad
2100	35	125	Pad @ Perfs
2200	35	285	Start 1# 20/40
2100	35	322	Start 2# 20/40
2050	35	363	Start 3# 20/40
1900	35	410	Start 4# 20/40 & 1# @ perfs
1750	35	447	2# 20/40 @ perfs
1700	35	460	Start 5# 20/40
1650	35	488	3# 20/40 @ perfs
1600	35	515	Start 6# 20/40
1600	35	534	4# 20/40 @ perfs
1550	35	576	Start 6# 16/30
1550	35	584	5# 20/40 @ perfs
1600	35	637	Start 6.5# 16/30
1600	35	640	6# 20/40 @ perfs
1600	35	701	6# 16/30 @ perfs
			ST 7# 16/30

ATTACHMENT G-1

Federal #31-4-G cont'd ...

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1550	35	762	6.5# 16/30 @ perfs
1550	35	770	Start flush
1900	35	827	7# 16/30 @ perfs
2400	39.5	895	End of Treatment

ISIP 1800#, 15 min 1500#
 38,500# 20/40 sand used
 41,050# 16/30 sand used
 810 bbls to recover

- Today's Operation: Flow back after frac. Daily cost \$19,366; CCC \$26,907
- 5-19-89 Day 4. SICP = 800#. Flow well to pit on 12/64" choke. Well blew down in 1-1/2 hrs. PU Howco RTTS PKR and RIH w/2-7/8" tbg. Tagged sand @ 5217'. Cleaned out sand to 5509'. Pull up tbg and set RTTS @ 5250'. RU and swab on well. FL @ surf. Made 13 runs and recovered 112 bbls. Left fluid level @ 2800'. Sample cut on last run shows 30% oil. SION. Daily cost \$5,879; CCC \$32,786
- 5-20-89 Day 5. SITP = 450#. Open well to 400 bbl upright tank on 2" choke. Well flowed 14 bbls oil in 2 hrs. Release PKR and circ well dead w/2% KCL water. POOH w/2-7/8" tbg & Pkr. PU Howco BV RBP & RIH w/2-7/8" tbg. Set RBP @ 5045' & test to 2000#. POOH w/2-7/8" tbg. RU Welex and perf interval 4950'-61' 4 SPF w/4" casing gun. Shut in for weekend. Daily cost \$4,710; CCC \$37,496
- 5-23-89 Day 6. RU Smith Energy & frac interval 4950'-61' as follows:

Press (CSG)	Rate (BPM)	Volume (BBLs)	Event
0	0	0	Start Pad
2300	40	114	Pad @ Perfs
2300	40	381	Start 1# 20/40
2200	40	431	Start 2# 20/40
2100	40	486	Start 3# 20/40
2100	40	495	1# 20/40 @ perfs
2050	40	545	ST 4# 20/40/2# @ perfs
2000	40	600	3# 20/40 @ perfs
2000	40	610	Start 5# 20/40
2000	40	659	4# 20/40 @ perfs
2000	40	680	Start 6# 20/40
2000	43	724	5# 20/40 @ perfs
1900	43.6	756	Start 6# 16/30
1900	43.6	794	6# 20/40 @ perfs
1900	43.6	832	St 6-1/2# 16/30
1900	43.6	870	6# 16/30 @ perfs

ATTACHMENT G-1

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Federal #31-4-G cont'd ...

Press (CSG)	Rate (BPM)	Volume (BBLs)	Event
1900	43.6	912	St 7# 16/30
1900	43.6	946	6.5# 16/30 @ perms
2000	45.5	996	Start flush
2600	45.5	1110	End of treatment

ISIP 1900#

15 min 1550#

1002 bbls to rec.

49,000# 20/40 sand

50,800 #16/30 sand

Daily cost \$79,051; CCC \$116,547

5-24-89

Day 7. SICP = 500#. Flow well to pit on 8/64" choke. Well flowed 2-1/2 hrs & recovered 41 bbls water. PU Howco RTTS pkr. w/ret tool & RIH w/2-7/8" tbg. Tagged sand @ 4960'. Cleaned out sand to 5020'. Pull up tbg & set RTTS @ 4800' & test to 1500#. RU & swab well. Fluid level @ surface. Made 21 runs and recovered 171 bbls water & oil (80% oil cut on last run). Left fluid level @ 1200'. SION. Daily load rec = 212 bbls. Accum total load = 1002 bbls. Today's Operation: Test interval 4950'-61' & run production string. Daily cost \$5413; CCC \$121,960

5-25-89

Day 8. SICP = 500#. Flow well to tank on 2" choke. Well flowed 21 bbls of oil in 2 hrs. (15 bbls first hr). Release RTTS pkr. RIH w/tbg, tagged sand @ 5010'. Circ sand out to RBP @ 5045'. Release RBP & POOH w/tbg & tools. RIH w/production string. Tagged sand @ 5435'. Circ sand out to PBD @ 5509'. Pull up tbg & set anchor @ 4872'. ND BOP's and NU wellhead. SION. Daily cost \$3,887; CCC \$125,847

5-26-89

Day 9. PU new rod pump & RIH w/rods. Seated rod pump at or near seat nipple but couldn't unseat pump. Pumped 70 bbls down annulus but well didn't circ. Pump down tbg. Well pressured to 1500# w/no leak off. Hook up hot oil truck & pumped 100 bbls KCL down annulus @ 270 DEG F (no circ.) Work rod string but pump still stuck. Backed off & POOH w/rods. Still have 22 3/4" rods, 6 sinker bars & pump still in hole. ND wellhead & NU BOP's. Release tbg anchor & SION. Today's Operation: Strip rods and pump. Rerun production strings. Daily Cost \$2,544; CCC \$128,391

ATTACHMENT G-1

4 of 10

Federal #31-4-G cont'd ...

- 5-27-89 Day 10. Strip out of hole w/tbg, rods & pump. (Pump stuck 1 jt above SN in heavy oil w/frac sand.) Run back in hole w/production tbg. ND BOP's & NU wellhead. Set anchor @ 4872' w/12,000# tension. Flush tbg w/50 bbls 2% KCL water @ 270 DEG F. RIH w/rod string. Pressure check pump to 1100# - held OK. Shut down for weekend. Rig Released 5/26/89. Today's Operation: Prep to move in production equipment. Daily cost \$2,585; CCC \$130,976
- 6-1-89 Lay out pads and build with 3/4" washed gravel, fill cellar and gravel around the wellhead. Daily cost \$1,050; CCC \$132,126
- 6-2-89 MI production equipment and set porta pad. Daily cost \$7,800; CCC \$139,926
- 6-4-89 MI production equipment and start rigging up. Daily cost \$5,625; CCC \$130,976
- 6-5-89 Set tanks, pump jack, line heater, separator and hook up prod and trace lines. Daily cost \$350; CCC \$145,901
- 6-7-89 Hooking up trace and production lines. Daily cost \$350; CCC \$146,251
- 6-8-89 Put well on line @ 3:30 P.M. 6/7/89. Initial production - water. CCC \$146,251 FINAL REPORT.



ATTACHMENT G-1
5 of 10

DAILY COMPLETION REPORT

WELL NAME Well Draw 31-4-G **Report Date** 3/4/98 **Completion Day** 1
Present Operation PU N-80 tbg & tools. Xylene squeeze A sds. **Rig** Flint #4

WELL STATUS

Surf Csg: 9-5/8 @ 300' **Liner** _____ @ _____ **Prod Csg** 5-1/2 @ 5603 **Csg PBTB** 5509
Tbg: **Size** 2-7/8 **Wt** 6.5# **Grd** J-55 **PKr/EOT** @ 1274 **BR/Sand/PBTB** 5419

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
D	4950-61'	4/44			
A	5386-96'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 3/3/98 **SITP:** _____ **SICP:** _____

MIRU Flint #4. Pmp 150 bbls production wtr dn csg @ 250°. Unseat rod pmp. Flush tbg & rods w/50 bbls hot production wtr. TOH w/rod string. ND well head. Release TA. NU BOP. TOH & tally production tbg. LD BHA & 4 jts rod cut tbg (1 jt split). TIH w/4-3/4" bit, 5-1/2" csg scraper. Tag fill @ 5419'. Try to CO fill. Hard - can't make new hole. Circ hole clean. Lost 100 BW. TOH w/tbg to 1274'. SIFN w/est 100 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered _____	<u>100</u>	Starting oil rec to date _____	<u>0</u>
Fluid lost/recovered today _____		Oil lost/recovered today _____	<u>0</u>
Ending fluid to be recovered _____	<u>100</u>	Cum oil recovered _____	<u>0</u>
IFL _____	FFL _____	FTP _____	Choke _____
			Final Fluid Rate _____
			Final oil cut _____

STIMULATION DETAIL

COSTS

Base Fluid used: _____ **Job Type:** _____

Company: _____

Procedure: _____

Max TP _____ **Max Rate** _____ **Total fluid pmpd:** _____

Avg TP _____ **Avg Rate** _____ **Total Prop pmpd:** _____

ISIP _____ **5 min** _____ **10 min** _____ **15 min** _____

Completion Supervisor: Gary Dietz

Flint rig 1,683

BOP 80

Tanks 50

Wtr 400

HO Trk 428

Trucking 650

Roustabout Labor 300

IPC Supervision 200

Csg scraper 300

DAILY COST: \$4,091

TOTAL WELL COST: \$4,091



DAILY COMPLETION REPORT

WELL NAME Well Draw 31-4-G Report Date 3/5/98 Completion Day 2
Present Operation Tbg frac C sds. Rig Flint #4

WELL STATUS

Surf Csg: 9-5/8 @ 300' Liner @ Prod Csg 5-1/2 @ 5603 Csg PBDT 5509
Tbg: Size 2-7/8 Wt 6.5# Grd J-55 Pkr/EOT @ 5034 BP/Sand PBDT: 5283

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D	4950-61'	4/44			
C	5114-18'	4/16			
C	5131-35'	4/16			
A	5386-96'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 3/4/98 SITP: 0 SICP: 0

Con't TOH w/tbg. LD bit & scraper. PU & TIH w/5-1/2" RBP, pup jt, 5-1/2" RTTS pkr, 173 jts 2-7/8" 8rd 6.5# N-80 tbg. Set plug @ 5412'. Pull pkr to 5283' & set. IFL @ 1100'. Swab FL dn to 5200'. Rec 27 BTF. RU Halliburton to tbg & pmp 100 gal Xylene (w/NEA-96), 100 gal Paracheck, 1000 gal 2% KCL wtr w/NEA-96. Flush to top perf w/33 BW. Total load of 62 bbls. Treated @ ave press of 1167 psi w/ave rate of 1.7 BPM. ISIP: 2011 psi, 5 min: 1705 psi. Bleed back 2 bbls. Release pkr. TIH & retrieve RBP. Pull plug to 5283' & set. Set pkr @ 5212'. Fill tbg w/4 BW. Press test plug to 3000 psi. Release pkr. Pull to 4910'. Set pkr. Fill annulus w/12 BW. Press test sfc equipment to 1500 psi. Release pkr. TOH w/tbg. LD pkr. RU HLS & perf C sds @ 5114-18' & 5131-35' w/4 jsfp. TIH w/RH, pup jt, new 5-1/2 RTTS pkr, 161 jts N-80 tbg to 5034'. SIFN w/est 149 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>100</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>49</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>149</u>	Cum oil recovered	<u>0</u>
IFL <u>1100</u> FFL <u>5200</u> FTP <u> </u>		Choke <u> </u> Final Fluid Rate <u> </u>	Final oil cut <u> </u> Tr.

STIMULATION DETAIL

COSTS

Base Fluid used: Xylene & Paracheck Job Type: Remedial Treatment

Company: Halliburton

Procedure: Isolate A sds w/pkr & plug. Swab tbg dry. Pmp 100 gal Xylene (w/NEA-96), 100 gal Paracheck, 1000 gal 2% KCL wtr (w/NEA-96). Flush to top perf. Monitor pressure 5 mins. Bleed off 2 BW. Release tools.

Flint rig	2,331
BOP	80
Tanks	50
RBP	600
Pkr (zone chg)	300
Halliburton (Trk & Chem)	4,153
Tool Hand	362
Wtr	200
HO Trk	180
Perfs	1,477
Frac Pkr	850
IPC Supervision	300
DAILY COST:	\$10,883
TOTAL WELL COST:	\$14,974

Max TP 2152 Max Rate 2.2 Total fluid pmpd: 62 bbls

Avg TP 1167 Avg Rate 1.7 Total Prop pmpd: 0

ISIP 2011 5 min 1705 10 min 15 min

Completion Supervisor: Gary Dietz



DAILY COMPLETION REPORT

WELL NAME Well Draw 31-4-G **Report Date** 3/6/98 **Completion Day** 3
Present Operation Swab C sd. Xylene treatment on D sds. **Rig** Flint #4

WELL STATUS

Surf Csg: 9-5/8 @ 300' **Liner** _____ **@** _____ **Prod Csg** 5-1/2 @ 5603 **Csg PBD** 5509
Tbg: **Size** 2-7/8 **Wt** 6.5# **Grd** J-55 **Pkr/EOT** @ 5037 **BP/Sand PBD:** 5283

PERFORATION RECORD

Zone	Perfs	SPF#/shots	Zone	Perfs	SPF#/shots
D	4950-61'	4/44			
C	5114-18'	4/16			
C	5131-35'	4/16			
A	5386-96'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 3/5/98 **SITP:** 0 **SICP:** 0

Set pkr @ 5037'. IFL @ 1000'. Made 5 swab runs, rec 21 BTF w/tr oil. FFL @ 5000'. Fill csg w/15 BW. RU Halliburton to tbg & frac C sds w/118,300# 20/40 sd in 482 bbls Delta Frac. Perfs broke dn @ 3000 psi. Treated @ ave sfc press of 6850 psi w/ave rate of 27.3 BPM. ISIP: 1765 psi, 5 min: 1348 psi. Flowback on 12/64 choke for 2-1/2 hrs & died. Rec 72 BTF (est 15% of load). SIFN w/est 553 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>149</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>404</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>553</u>	Cum oil recovered	<u>0</u>
IFL <u>1000</u> FFL <u>5000</u> FTP _____		Choke <u>12/64</u> Final Fluid Rate _____	Final oil cut <u>Tr.</u>

STIMULATION DETAIL

COSTS

Base Fluid used: Delta Frac **Job Type:** Sand Frac
Company: Halliburton
Procedure: Pumped dn 2-7/8" N-80 tbg w/RTTS pkr.
3000 gal of pad.
1000 gal w/1-6 ppg of 20/40 sd
10,000 gal w/6-8 ppg of 20/40 sd
5004 gal w/8-10 ppg of 20/40 sd
Flush w/1259 gal of 10# Linear gel.

Flint rig	846
BOP	80
Tanks	50
Wtr	650
HO Trk	630
Frac	24,984
Tool Hand	281
Flowback - super	100
IPC Supervision	200

Max TP 7200 **Max Rate** 30 **Total fluid pmpd:** 482 bbls
Avg TP 6850 **Avg Rate** 27.3 **Total Prop pmpd:** 118,300#
ISIP 1765 **5 min** 1348 **10 min** _____ **15 min** _____
Completion Supervisor: Gary Dietz

DAILY COST: \$27,821
TOTAL WELL COST: \$42,795



DAILY COMPLETION REPORT

WELL NAME Well Draw 31-4-G **Report Date** 3/7/98 **Completion Day** 4
Present Operation LD N-80 tbg & tool. TIH production tbg & rods. **Rig** Flint #4

WELL STATUS

Surf Csg: 9-5/8 @ 300' **Liner** _____ **Prod Csg** 5-1/2 @ 5603 **Csg PBTB** 5509
Tbg: **Size** 2-7/8 **Wt** 6.5# **Grd** J-55 **Pkr/EOT@** 4916 **BP/Sand PBTB:** 5419

PERFORATION RECORD

Zone	Perfs	SPF#shots	Zone	Perfs	SPF#shots
D	4950-61'	4/44			
C	5114-18'	4/16			
C	5131-35'	4/16			
A	5386-96'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 3/6/98 **SITP:** 0 **SICP:** 0

Thaw well head, BOP & tbg w/HO Trk. Release pkr. TIH w/tbg & tag sd @ 5171' (36' rathole). Reset pkr @ 5037'. IFL @ 1400'. Made 9 swab runs, rec 47 BTF w/tr oil. Sd cleaned up. FFL @ 2300'. Release pkr. TIH w/tbg & tag sd @ 5146'. CO sd to RBP @ 5283'. (Lost 30 BW.) Release plug. Pull up to 5072' & reset. Set pkr @ 4998'. Fill tbg w/5 BW. Press test plug to 3000 psi. Release pkr. Pull to 4903' & reset. IFL @ 500'. Swab tbg dry. Rec 25 BTF. RU Halliburton to tbg & pmp 100 gal Xylene (w/NEA-96), 100 gal Paracheck, 1000 gal 2% KCL wtr (w/NEA-96). Flush to top perf w/30 BW. Treated @ ave rate of 1.5 BPM, w/ave press of 1265 psi. ISIP: 1875 psi, 5 min: 815 psi. Bleed off est 1/2 BW. Release pkr. Retrieve RBP @ 5072'. LD 5 jts tbg. EOT @ 4916'. SIFN w/est 576 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered <u>553</u>	Starting oil rec to date <u>0</u>
Fluid lost/recovered today <u>23</u>	Oil lost/recovered today <u>0</u>
Ending fluid to be recovered <u>576</u>	Cum oil recovered <u>0</u>
IFL <u>1400</u> FFL <u>2300</u> FTP _____	Choke _____ Final Fluid Rate _____ Final oil cut <u>Tr.</u>

STIMULATION DETAIL

COSTS

Base Fluid used: Xylene, Paracheck **Job Type:** Remedial Treatment

Company: Halliburton

Procedure: Isolate D sds (4950-61') w/pkr & plug.

Swab tbg dry.

Pmp 100 gal Xylene (w/NEA-96), 100 gal Paracheck, 1000 gal 2%

KCL wtr (w/NEA-96). Flush to top perf. Monitor press 5 min.

Bleed off 1/2 bbls wtr. Release tools.

Max TP 2534 **Max Rate** 3.1 **Total fluid pmpd:** 60 bbls

Avg TP 1265 **Avg Rate** 1.5 **Total Prop pmpd:** 0

ISIP 1875 **5 min** 815 **10 min** _____ **15 min** _____

Completion Supervisor: Gary Dietz

Flint rig	1,996
BOP	80
Tanks	50
HO Trk	100
Halliburton (Trk & Chem)	4,168
Pkr - zone chg	300
RBP - zone chg	250
Wtr Disp	150
IPC Supervision	200
Tbg rental (3 days)	1,211

DAILY COST: \$8,505

TOTAL WELL COST: \$51,300



DAILY COMPLETION REPORT

WELL NAME Well Draw 31-4-G Report Date 3/8/98 Completion Day 5
Present Operation Well on production. RDMOSU. Rig Flint #4

WELL STATUS

Surf Csg: 9-5/8 @ 300' Liner @ Prod Csg 5-1/2 @ 5603 Csg PBTB 5509
Tbg: Size 2-7/8 Wt 6.5# Grd J-55 Pkr/EOT @ 5356 BP/Sand PBTB: 5419

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D	4950-61'	4/44			
C	5114-18'	4/16			
C	5131-35'	4/16			
A	5386-96'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 3/7/98 SITP: 0 SICP: 0

Con't TOH & LD N-80 tbg f/4916'. LD pkr - had no plug. TIH w/RH & prod. tbg. Retrieve plug f/btm. TOH w/tbg. LD plug. TIH w/production tbg as follows: 2-7/8" NC, 1 jt tbg, perf sub, SN, 1 jt tbg, 5-1/2" TA, 166 jts 2-7/8" 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5284' w/SN @ 5318' & EOT @ 5356'. Land tbg w/10,000# tension. NU well head. TIH w/rod string as follows: 2-1/2" x 1-1/2" x 16' RHAC pmp, 5 - 1-1/2" weight rods, 4 - 3/4" scraped rods, 96 - 3/4" plain & scraped rods, 89 - 7/8" plain rods, 17 - 7/8" scraped rods, 1 - 4', 1 - 2' x 7/8" pony rods, 1-1/2" x 22' polished rod. Seat pmp. RU pumping unit. Fill tbg w/8 BW. Press test pmp & tbg to 400 psi. Stroke pmp up w/unit to 800 psi. Good pmp action. **PLACE WELL ON PRODUCTION @ 6:45 PM, 3/7/98 W/74" SL @ 6-1/2" SPM.** Est 684 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>576/676</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>8</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>684</u>	Cum oil recovered	<u>100 Trans.</u>
IFL	<u>FFL</u>	FTP	<u>Choke</u>
			Final Fluid Rate
			Final oil cut

STIMULATION DETAIL

COSTS

Base Fluid used: _____ Job Type: _____

Company: _____

Procedure: _____

Max TP _____ Max Rate _____ Total fluid pmpd: _____

Avg TP _____ Avg Rate _____ Total Prop pmpd: _____

ISIP _____ 5 min _____ 10 min _____ 15 min _____

Completion Supervisor: Gary Dietz

Flint rig 2,100

BOP 80

Tanks 30

Trucking 300

HO Trk 450

Wtr Trk (incl disp) 550

Rods (4-A scraped) 162

Tbg (4-B J-55) 315

TA (repaired) 300

Pmp (repaired) 800

IPC Supervision 200

DAILY COST: \$5,287

TOTAL WELL COST: \$56,587



ATTACHMENT G-1
10 of 10

DAILY COMPLETION REPORT

WELL NAME Well Draw 31-4-G **Report Date** 3/10/98 **Completion Day** 6
Present Operation Well on production. **Rig** Flint #4

WELL STATUS

Surf Csg: 9-5/8 @ 300' **Liner** _____ **Prod Csg** 5-1/2 @ 5603 **Csg PBTD** 5509
Tbg: **Size** 2-7/8 **Wt** 6.5# **Grd** J-55 **Pkr/EOT** @ 5356 **BP/Sand PBTD:** 5419

PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
D	4950-61'	4/44			
C	5114-18'	4/16			
C	5131-35'	4/16			
A	5386-96'	4/40			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 3/9/98 **SITP:** _____ **SICP:** _____
Check well. **Pumping** good. **RDMO.** RDMO.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered _____ **Starting oil rec to date** _____
Fluid lost/recovered today _____ **Oil lost/recovered today** _____
Ending fluid to be recovered _____ **Cum oil recovered** _____
IFL _____ **FFL** _____ **FTP** _____ **Choke** _____ **Final Fluid Rate** _____ **Final oil cut** _____

STIMULATION DETAIL

COSTS

Base Fluid used: _____ **Job Type:** _____

Company: _____

Procedure: _____

Flint rig 326

IPC Supervision 100

Max TP _____ **Max Rate** _____ **Total fluid pmpd:** _____

Avg TP _____ **Avg Rate** _____ **Total Prop pmpd:** _____

ISIP _____ **5 min** _____ **10 min** _____ **15 min** _____

Completion Supervisor: Gary Dietz

DAILY COST: \$426

TOTAL WELL COST: \$57,013

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4900'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 178' balance plug using 20 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Perforate 4 JSPF @ 1780'
5. Plug #3 120' plug covering Uinta/Green River formation using 25 sx Class "G" cement pumped under CICR and out perforations. Follow using 7 sx Class "G" cement pumped on top of CICR
6. Perforate 4 JSPF @ 350'
7. Plug #4 Circulate 124 sx Class "G" cement down 5-1/2" casing and up the 4-1/2" x 9-5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

Federal #31-4G-9-16

Initial Production: 102 BOPD, 0 MCFD
15 BWPD

Spud Date: 4-27-89
Put on Production: 6-7-89
GL: 5713' KB: 5729'

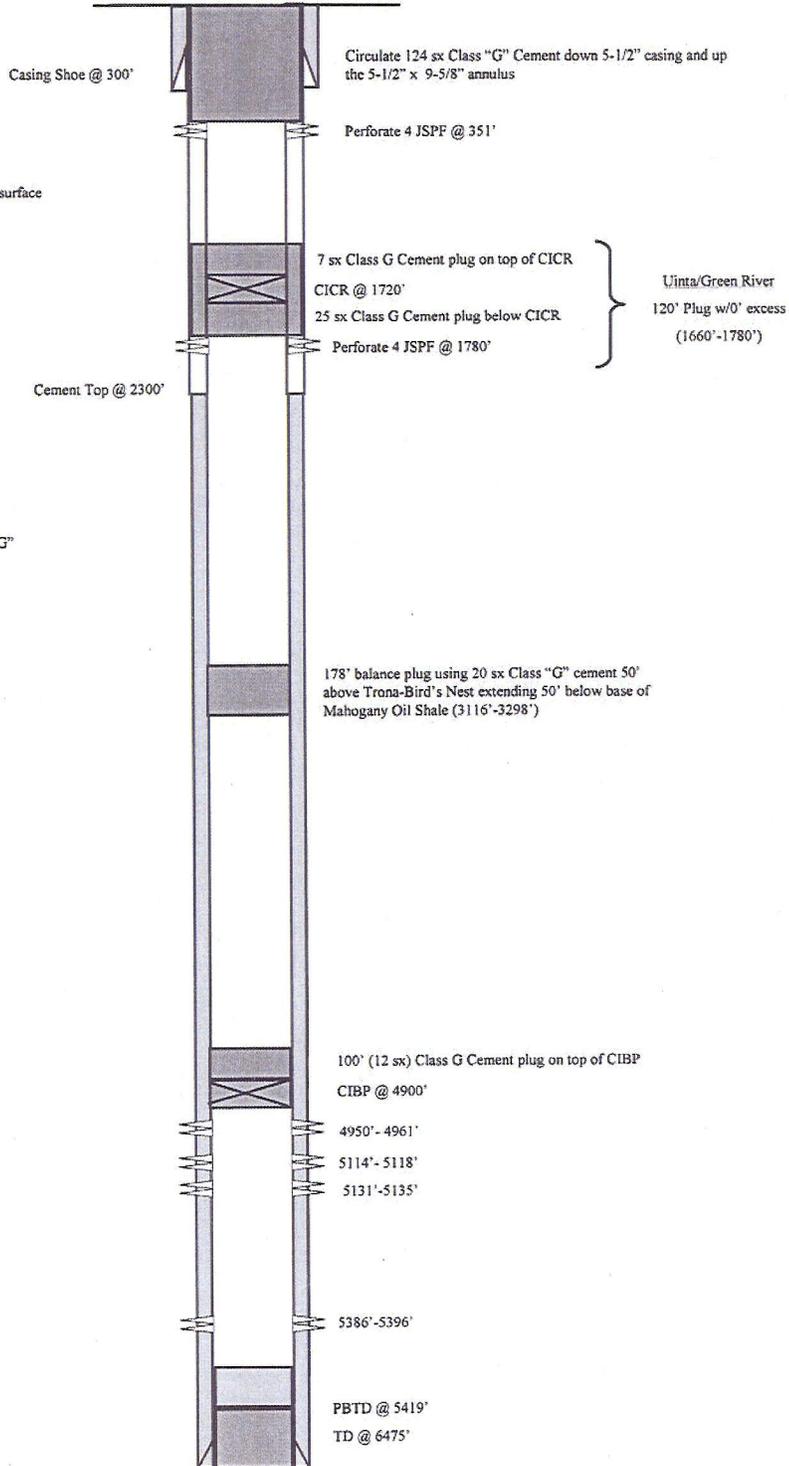
Proposed P & A
Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
GRADE: K-55
WEIGHT: 36#
LENGTH: 8 JTS
DEPTH LANDED: 300'
HOLE SIZE: 12-1/4"
CEMENT DATA: 165 sks Class "G" cmt, est 8 bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 17#
LENGTH: 132 jts
SET AT: 5603'
HOLE SIZE: 7-7/8"
CEMENT DATA: 260 sks Hi-Lift & 580 sks Class "G"
CEMENT TOP AT: 2300'



NEWFIELD

Federal #31-4G-9-16
500 FNL & 1900 FEL
NWNE Section 4-T9S-R16E
Duchesne Co, Utah
API #43-013-31228; Lease #U-30096

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 re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

5. Lease Serial No.
USA UTU-30096

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GMBU

8. Well Name and No.
FEDERAL 31-4G

9. API Well No.
4301331228

10. Field and Pool, or Exploratory Area
GREATER MB UNIT

11. County or Parish, State
DUCHESNE, UT

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
500 FNL 1900 FEL
NWNE Section 4 T9S R16E

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input checked="" type="checkbox"/> Convert to Injector	<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 recomplete 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 recompletion 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.)

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed) Eric Sundberg	Title Regulatory Lead
Signature 	Date 10/11/2010

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

From: Jean Sweet [mailto:jsweet@utah.gov]
Sent: Wednesday, November 03, 2010 9:50 AM
To: naclegal@mediaoneutah.com
Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-369

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary
Utah Div. of Oil, Gas & Mining
1594 West Temple, Suite 1210
Salt Lake City, UT
801-538-5329
jsweet@utah.gov

Jean Sweet - RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-369

From: "NAC Legal" <naclegal@mediaoneutah.com>
To: "Jean Sweet" <jsweet@utah.gov>
Date: 11/3/2010 1:05 PM
Subject: RE: Notice of Agency Action - Newfield Production Company Cause No. UIC-369

Ad #635116 is scheduled to run November 6th in Salt Lake Tribune and Online
utahlegals.com .

Total charge is \$155.00. Please check the ad in the paper.

Thank you,

Lynn Valdez

MediaOne of Utah,

a Newspaper Agency Company

4770 South 5600 West

West Valley City, Utah 84118

Ph.: 801-204-6245

Email: naclegal@mediaoneutah.com



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 3, 2010

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-369

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Jean Sweet - Fwd: Re: Fwd: Notice of Agency Action – Newfield Production Company Cause No. UIC-369

From: Cindy Kleinfelter <classifieds@ubstandard.com>
To: <jsweet@utah.gov>
Date: 11/4/2010 10:35 AM
Subject: Fwd: Re: Fwd: Notice of Agency Action – Newfield Production Company Cause No. UIC-369

Subject notice will be published Nov. 9, 2010, one time.
Thank you,
Cindy

----- Original Message -----

Subject: Re: Fwd: Notice of Agency Action – Newfield Production Company Cause No. UIC-369
Date: Wed, 03 Nov 2010 17:42:31 -0600
From: Cindy Kleinfelter <classifieds@ubstandard.com>
To: UBS <ubs@ubstandard.com>

On 11/3/2010 4:03 PM, UBS wrote:

----- Original Message -----

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-369
Date: Wed, 03 Nov 2010 09:50:38 -0600
From: Jean Sweet <jsweet@utah.gov>
To: <ubs@ubstandard.com>

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible.

Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary
Utah Div. of Oil, Gas & Mining
1594 West Temple, Suite 1210

Salt Lake City, UT
801-538-5329
jsweet@utah.gov



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 3, 2010

Via e-mail: ubs@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-369

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure



BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-369

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 33, TOWNSHIP 8 SOUTH, RANGE 16 EAST, AND SECTION 4, TOWNSHIP 9 SOUTH, RANGE 16 EAST, 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 Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Federal 44-33B-8-16 well located in SE/4 SE/4, Section 33, Township 8 South, Range 16 East
Travis Federal 8-33-8-16 well located in SE/4 NE/4, Section 33, Township 8 South, Range 16 East
Federal 31-4-G-9-16 well located in NW/4 NE/4, Section 4, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield 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 following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 2nd day of November, 2010.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**FEDERAL 44-33B-8-16,
TRAVIS FEDERAL 8-33-8-16,
FEDERAL 31-4-G-9-16.**

Cause No. UIC-369

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubs@ubstandard.com

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052

Vernal Field Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078



4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED.TAX I.D.# 87-0217663

The Salt Lake Tribune
WWW.SLTRIB.COM

MEDIA One
OF UTAH
A NEWSPAPER AGENCY COMPANY
WWW.MEDIAONEUTAH.COM

Deseret News
WWW.DESERETNEWS.COM

PROOF OF PUBLICATION

CUSTOMER'S COPY

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	9001402352	11/8/2010

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE NUMBER
8015385340	0000635116 /
SCHEDULE	
Start 11/06/2010	End 11/06/2010
CUST. REF. NO.	
Cause #UIC-369	
CAPTION	
ARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF A	
SIZE	
60 Lines	2.00 COLUMN
TIMES	RATE
3	
MISC. CHARGES	AD CHARGES
TOTAL COST	
155.00	

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-369

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 33, TOWNSHIP 8 SOUTH, RANGE 16 EAST, AND SECTION 4, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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Travis Federal 8-33-8-16 well located in SE/4 NE/4, Section 33, Township 8 South, Range 16 East
Federal 31-4-G-9-16 well located in NW/4 NE/4, Section 4, Township 9 South, Range 16 East

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Dated this 2nd day of November, 2010.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ Brad Hill
Brad Hill
Permitting Manager

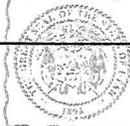
635116 UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-369 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING**, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

PUBLISHED ON Start 11/06/2010 End 11/06/2010

SIGNATURE *Boodger Taylor*
11/8/2010


VIRGINIA CRAFT
Notary Public, State of Utah
Commission # 581489
My Commission Expires
January 12, 2014
Virginia Craft

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

AFFIDAVIT OF PUBLICATION

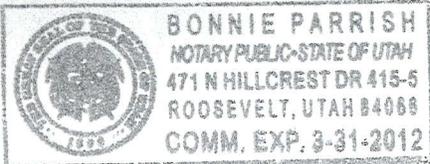
County of Duchesne,
STATE OF UTAH

I, Geoff Liesik on oath, say that I am the EDITOR 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 9 day of November, 2010, and that the last publication of such notice was in the issue of such newspaper dated the 9 day of November, 2010, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Editor

Subscribed and sworn to before me this
16 day of November, 2010

Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-369

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES

STATE OF UTAH
IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTION 33, TOWNSHIP 8 SOUTH, RANGE 16 EAST, AND SECTION 4, TOWNSHIP 9 SOUTH, RANGE 16 EAST, 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 Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

- Greater Monument Butte Unit:
 - Federal 44-33B-8-16 well located in SE/4 SE/4, Section 33, Township 8 South, Range 16 East
 - Travis Federal 8-33-8-16 well located in SE/4

NE/4, Section 33, Township 8 South, Range 16 East
Federal 31-4-G-9-16 well located in NW/4 NE/4, Section 4, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield 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 following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 2nd day of November, 2010.

STATE OF UTAH
DIVISION OF OIL,
GAS & MINING

/s/
Brad Hill
Permitting Manager
Published in the Uintah Basin Standard November 9, 2010.

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** Federal 31-4G-9-16

Location: 4/9S/16E **API:** 43-013-31228

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield 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 300 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,603 feet. A cement bond log demonstrates adequate bond in this well up to 3,178 feet. A 2 7/8 inch tubing with a packer will be set at 4,900 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface locations, there are 13 producing wells and 6 injection wells in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR, but the bottom hole location is outside the AOR. All of the existing wells have evidence of adequate casing and cement. Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

Ground Water Protection: As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 1100 feet. Injection shall be limited to the interval between 4,240 feet and 6,355 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 31-4G-9-16 well is 0.78 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,732 psig. The requested maximum pressure is 1,732 psig. The anticipated average injection pressure is 1100 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 31-4G-9-16
page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this 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 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): Mark Reinbold Date 11/23/10



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

November 29, 2010

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 31-4-G, Section 4, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-31228

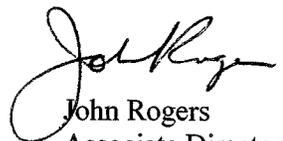
Gentlemen:

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 Newfield Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

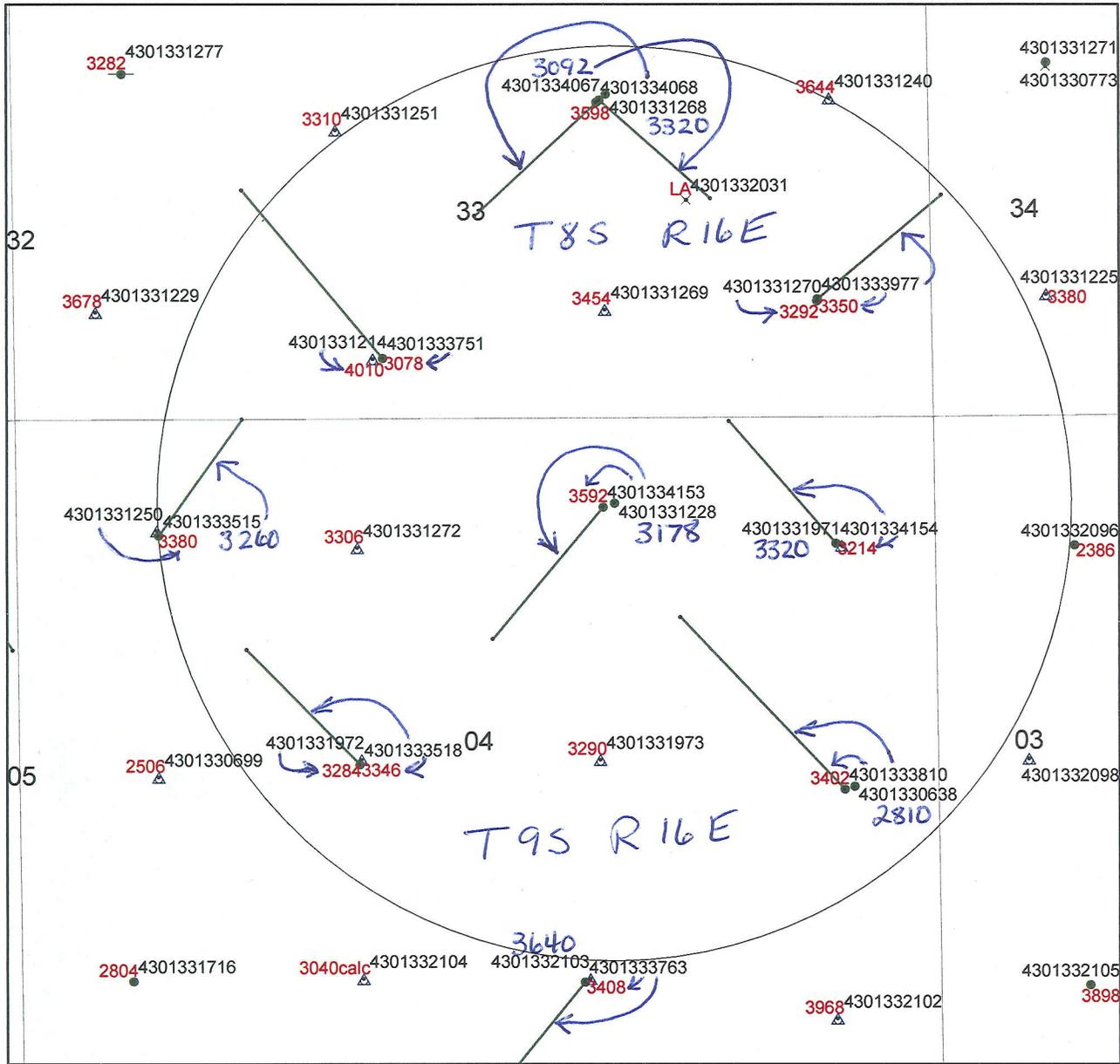

John Rogers
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





FEDERAL 31-4-G-9-16

API #43-013-31228
UIC-369.3

Legend

- | | |
|--|--|
| <ul style="list-style-type: none"> □ Buffer_of_SGID93_ENERGY_DNROilGasWells_29 • Wells-CbitopsMaster11_16_10 □ SGID93 BOUNDARIES, Counties ↻ GAS INJECTION ● TW ● TA ● OPS ● GS ○ APD ⊕ PA × LA ★ GAS STORAGE × LOCATION ABANDONED ○ NEW LOCATION ⊖ PLUGGED & ABANDONED | <ul style="list-style-type: none"> ★ PRODUCING GAS ● PRODUCING OIL ★ SHUT-IN GAS ● SHUT-IN OIL ⊗ TEMP. ABANDONED ○ TEST WELL ▲ WATER INJECTION ⊕ WATER SUPPLY ⊖ WATER DISPOSAL ⊕ DRILLING ▲ RETURNED GAS ▲ RETURNED OIL ★ GAS INJECTION SI ▲ WATER DISP. SUSP. ▲ WATER INJ. SUSP. □ Sections — SGID93.ENERGY.DNROilGasWells_HDPPath |
|--|--|



1870calc = approx cement top calculated from well completion report



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-30096

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
FEDERAL 31-4G

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331228

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: 500 FNL 1900 FEL

COUNTY: DUCHESNE

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE, 4, T9S, R16E

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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>02/18/2011</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 checked="" 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 type="checkbox"/> OTHER: -
	<input checked="" 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.

The subject well has been converted from a producing oil well to an injection well on 02/11/2011.

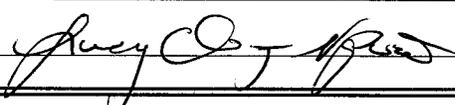
One interval was re-perforated, GB4 sands - 4443-4447' 3JSPF.

On 02/16/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/18/2011 the casing was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was not an State representative available to witness the test.

API# 43-013-31228

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 02/23/2011

(This space for State use only)

RECEIVED
MAR 01 2011
DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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.

5. Lease Serial No.
USA UTU-30096

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GMBU

8. Well Name and No.
FEDERAL 31-4G

9. API Well No.
4301331228

10. Field and Pool, or Exploratory Area
GREATER MB UNIT

11. County or Parish, State
DUCHESNE, UT

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include are code)
435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
500 FNL 1900 FEL
NWNE Section 4 T9S R16E

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	Change Status _____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

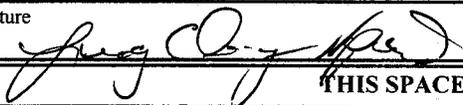
13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical 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 recompletion 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.)

The subject well has been converted from a producing oil well to an injection well on 02/11/2011.

One interval was re-perforated, GB4 sands - 4443-4447' 3JSPF.

On 02/16/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 02/18/2011 the casing was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 40 psig during the test. There was not an State representative available to witness the test.

API# 43-013-31228

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lucy Chavez-Naupoto	Title Administrative Assistant
Signature 	Date 02/23/2011

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 page 2)

RECEIVED
MAR 01 2011
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

FEDERAL 31-4G-9-16

12/1/2010 To 4/28/2011

2/7/2011 Day: 2

Conversion

Nabors #1608 on 2/7/2011 - TOOH w/ tbg. Perferate. - Thaw well out. RU Weatherford "TS" RBP, retrieving head, 2-3/8" x 4' pup joint, "HD" packer, SN. Pick-up, tally & TIH w/ N-80 frac string. Set RBP @ 4506'. Set6 pkr @ 4400'. RU Hot Oiler. Took 12 bbls to fill hole. Break down GB4 sds @ 2100 psi back to 1900 psi w/ 6 bbls water @ 1/4 bpm. SIFN. - MIRUSU. Pump 60 bbls water down casing. Unseat pump. Flush rods w/ 40 bbls water. Soft seat pump. Test tbg to 3000 psi. Fish rods. TOOH w/ rods laying down on trailer. Release TA. RU BOP's. TIH w/ tbg to tag fill @ 5427'. SIFN. - MIRUSU. Pump 60 bbls water down casing. Unseat pump. Flush rods w/ 40 bbls water. Soft seat pump. Test tbg to 3000 psi. Fish rods. TOOH w/ rods laying down on trailer. Release TA. RU BOP's. TIH w/ tbg to tag fill @ 5427'. SIFN. - MIRUSU. Pump 60 bbls water down casing. Unseat pump. Flush rods w/ 40 bbls water. Soft seat pump. Test tbg to 3000 psi. Fish rods. TOOH w/ rods laying down on trailer. Release TA. RU BOP's. TIH w/ tbg to tag fill @ 5427'. SIFN. - Thaw well out. Pump 30 bbls down tbg. TOOH w/ tbg breaking, doping & inspecting every pin. RU Perforators WLT. RIH w/ gauge ring & 4" Port Guns. Perferate GB4 sds w/ 3 spf for total of 12 shots. SIFN. - RU BJ Services. Fill casing w/ 30 bbls water. Perfs broke down @ 2966 psi back to 2766 psi w/ 12 bbls @ 3 bpm. Frac w/ 14,386#'s of 20/40 sand in 187 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3053 @ ave rate of 14 bpm w/ 6 ppg of sand. ISIP was 2096 w/ .91FG. RD BJ. Flow well back. Well flowed for 45 min & died w/ 85 bbls rec'd. Release pkr. Circulate tbg clean. TIH w/ tbg to tag 30' of fill. C/O to RBP & release. TOOH w/ tbg, laying down work string (pump 20 bbls down casing while LD tbg). RU Arrow Set 1 pkr w/ wire line entry, SN & 138 jts tbg. Drop std valve. SIFN. - RU BJ Services. Fill casing w/ 30 bbls water. Perfs broke down @ 2966 psi back to 2766 psi w/ 12 bbls @ 3 bpm. Frac w/ 14,386#'s of 20/40 sand in 187 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3053 @ ave rate of 14 bpm w/ 6 ppg of sand. ISIP was 2096 w/ .91FG. RD BJ. Flow well back. Well flowed for 45 min & died w/ 85 bbls rec'd. Release pkr. Circulate tbg clean. TIH w/ tbg to tag 30' of fill. C/O to RBP & release. TOOH w/ tbg, laying down work string (pump 20 bbls down casing while LD tbg). RU Arrow Set 1 pkr w/ wire line entry, SN & 138 jts tbg. Drop std valve. SIFN. - RU BJ Services. Fill casing w/ 30 bbls water. Perfs broke down @ 2966 psi back to 2766 psi w/ 12 bbls @ 3 bpm. Frac w/ 14,386#'s of 20/40 sand in 187 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3053 @ ave rate of 14 bpm w/ 6 ppg of sand. ISIP was 2096 w/ .91FG. RD BJ. Flow well back. Well flowed for 45 min & died w/ 85 bbls rec'd. Release pkr. Circulate tbg clean. TIH w/ tbg to tag 30' of fill. C/O to RBP & release. TOOH w/ tbg, laying down work string (pump 20 bbls down casing while LD tbg). RU Arrow Set 1 pkr w/ wire line entry, SN & 138 jts tbg. Drop std valve. SIFN. - RU BJ Services. Fill casing w/ 30 bbls water. Perfs broke down @ 2966 psi back to 2766 psi w/ 12 bbls @ 3 bpm. Frac w/ 14,386#'s of 20/40 sand in 187 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 3053 @ ave rate of 14 bpm w/ 6 ppg of sand. ISIP was 2096 w/ .91FG. RD BJ. Flow well back. Well flowed for 45 min & died w/ 85 bbls rec'd. Release pkr. Circulate tbg clean. TIH w/ tbg to tag 30' of fill. C/O to RBP & release. TOOH w/ tbg, laying down work string (pump 20 bbls down casing while LD tbg). RU Arrow Set 1 pkr w/ wire line entry, SN & 138 jts tbg. Drop std valve. SIFN. - Thaw well out. RU Weatherford "TS" RBP, retrieving head, 2-3/8" x 4' pup joint, "HD" packer, SN. Pick-up, tally & TIH w/ N-80 frac string. Set RBP @ 4506'. Set6 pkr @ 4400'. RU Hot Oiler. Took 12 bbls to fill hole. Break down GB4 sds @ 2100 psi back to 1900 psi w/ 6

bbls water @ 1/4 bpm. SIFN. - Thaw well out. RU Weatherford "TS" RBP, retrieving head, 2-3/8" x 4' pup joint, "HD" packer, SN. Pick-up, tally & TIH w/ N-80 frac string. Set RBP @ 4506'. Set6 pkr @ 4400'. RU Hot Oiler. Took 12 bbls to fill hole. Break down GB4 sds @ 2100 psi back to 1900 psi w/ 6 bbls water @ 1/4 bpm. SIFN. - Thaw well out. Pump 30 bbls down tbg. TOO H w/ tbg breaking, doping & inspecting every pin. RU Perforators WLT. RIH w/ gauge ring & 4" Port Guns. Perferate GB4 sds w/ 3 spf for total of 12 shots. SIFN. - Thaw well out. Pump 30 bbls down tbg. TOO H w/ tbg breaking, doping & inspecting every pin. RU Perforators WLT. RIH w/ gauge ring & 4" Port Guns. Perferate GB4 sds w/ 3 spf for total of 12 shots. SIFN. - Thaw well out. Pump 30 bbls down tbg. TOO H w/ tbg breaking, doping & inspecting every pin. RU Perforators WLT. RIH w/ gauge ring & 4" Port Guns. Perferate GB4 sds w/ 3 spf for total of 12 shots. SIFN.

Daily Cost: \$0

Cumulative Cost: \$71,051

2/8/2011 Day: 5

Conversion

Nabors #1608 on 2/8/2011 - Test tbg. Set Arrow Set 1. Test casing. - Thaw well out. Pump 20 bbls down tbg. RIH w/ sand line & seat Std vlv in SN. Well wouldn't test but keeps jumping around on pressure loss maybe due to tempature. Try again in morning w/ different water (has foam in it).

Daily Cost: \$0

Cumulative Cost: \$115,369

2/9/2011 Day: 6

Conversion

Nabors #1608 on 2/9/2011 - Test tbg. TOO H w/ tbg. - Thaw well out. Try to test tbg but keeps freezing up try keeping thawed w/ hot oiler. TOO H w/ tbg testing every 10 stds. Btm joint won't test. Order new std valve. SIFN.

Daily Cost: \$0

Cumulative Cost: \$122,571

2/10/2011 Day: 7

Conversion

Nabors #1608 on 2/10/2011 - TIH w/ tbg testing SN. Found SN leak. - Thaw well out. TOO H w/ 18 jts tbg. Drop new std valve. No test. TOO H w/ 10 stds no test. TOO H w/ tbg. Turn SN over. TIH w/ 10 stds no test. TOO H w/ tbg. Change std valve. TIH w/ 10 jts & tested to 4500 psi. TIH w/ 10 stds & tested to 4500. TOO H w/ 10 std & wont test. TIH w/ 5 stds & tested. Change out 10 collars. Tested to 4500 psi. SIFN.

Daily Cost: \$0

Cumulative Cost: \$130,031

2/11/2011 Day: 8

Conversion

Nabors #1608 on 2/11/2011 - Continue TOO H w/ tbg test & replacing collars. Set pkr. Test casing. RDMOSU. - Thaw well out. Continue TIH w/ tbg testing tbg. Replaced 31 tbg collars. RD BOP's. Set pkr w/ SN @ 4401.67' w/ CE @ 4406.02' & EOT @ 4410.22' w/ 15,000#'s tension. Test casing to 1400 psi. RDMOSU. Well ready for MIT.

Daily Cost: \$0

Cumulative Cost: \$141,262

2/22/2011 Day: 9

Conversion

Rigless on 2/22/2011 - Conversion MIT. - On 2/16/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the Conversion MIT on the above listed well (Federal 31-4G-9-16). On 2/18/2011 the csg was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test The tbg pressure was 40 psig during the test. There was not a State representative available to witness the test. Final Report API# 43-013-31228 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$166,582

Pertinent Files: Go to File List

Mechanical Integrity Test
Casing or Annulus Pressure Test

Newfield Production Company
 Rt. 3 Box 3630
 Myton, UT 84052
 435-646-3721

Witness: _____ Date 2/11/2011 Time 9:00 AM am pm
 Test Conducted by: Rowdy Cloward
 Others Present: _____

Well: Federal 31-46-9-16 Field: Newfield Monument Butte
 Well Location: Federal 31-46-9-16 API No: 43-013-31228
NW/NE SEC 4, T9S, R16E Duchesne County UT
UTU 87538X

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1300</u>	psig
5	<u>1300</u>	psig
10	<u>1300</u>	psig
15	<u>1300</u>	psig
20	<u>1300</u>	psig
25	<u>1300</u>	psig
30 min	<u>1300</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 40 psig

Result: Pass Fail

Signature of Witness: _____
 Signature of Person Conducting Test: [Signature]



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

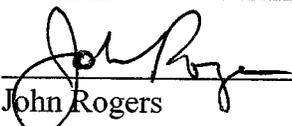
Cause No. UIC-369

Operator: Newfield Production Company
Well: Federal 31-4-G
Location: Section 4, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-31228
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on November 29, 2010.
2. Maximum Allowable Injection Pressure: 1,732 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,240' – 6,355')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: _____


John Rogers
Associate Director

3/2/2011

Date

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Eric Sundberg, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-30096

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
FEDERAL 31-4G

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331228

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: 500 FNL 1900 FEL

COUNTY: DUCHESNE

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNE, 4, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

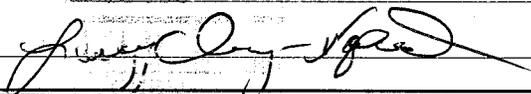
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will <u>03/14/2011</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____	<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: - Put on Injection
	<input checked="" 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.

The above reference well was put on injection at 7:10 PM on 03/14/2011.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE 

DATE 03/15/2011

(This space for State use only)

RECEIVED

MAR 21 2011

DIV. OF OIL, GAS & MINING

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 re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
USA UTU-30096

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GMBU

8. Well Name and No.
FEDERAL 31-4G

9. API Well No.
4301331228

10. Field and Pool, or Exploratory Area
GREATER MB UNIT

11. County or Parish, State
DUCHESNE, UT

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include are code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
500 FNL 1900 FEL
NWNE Section 4 T9S R16E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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	Put on Injection _____
	<input checked="" type="checkbox"/> Convert to Injector	<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 recomplete 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 recompletion 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.)

The above reference well was put on injection at 7:10 PM on 03/14/2011.

I hereby certify that the foregoing is true and correct (Printed/ Typed)
Lucy Chavez-Naupoto

Signature 

Title
Administrative Assistant

Date
03/15/2011

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 page 2)

Spud Date: 4-27-89
 Put on Production: 6-7-89
 GL: 5713' KB: 5729'

Federal 31-4G-9-16

Initial Production: 102 BOPD,
 0 MCFD, 15 BWPD

SURFACE CASING

CSG SIZE: 9-5 8"
 GRADE: K-55
 WEIGHT: 36#
 LENGTH: 8 JTS
 DEPTH LANDED: 300'
 HOLE SIZE: 12-1 4"
 CEMENT DATA: 165 skx Class "G" cmt, est 8 bbls to surface

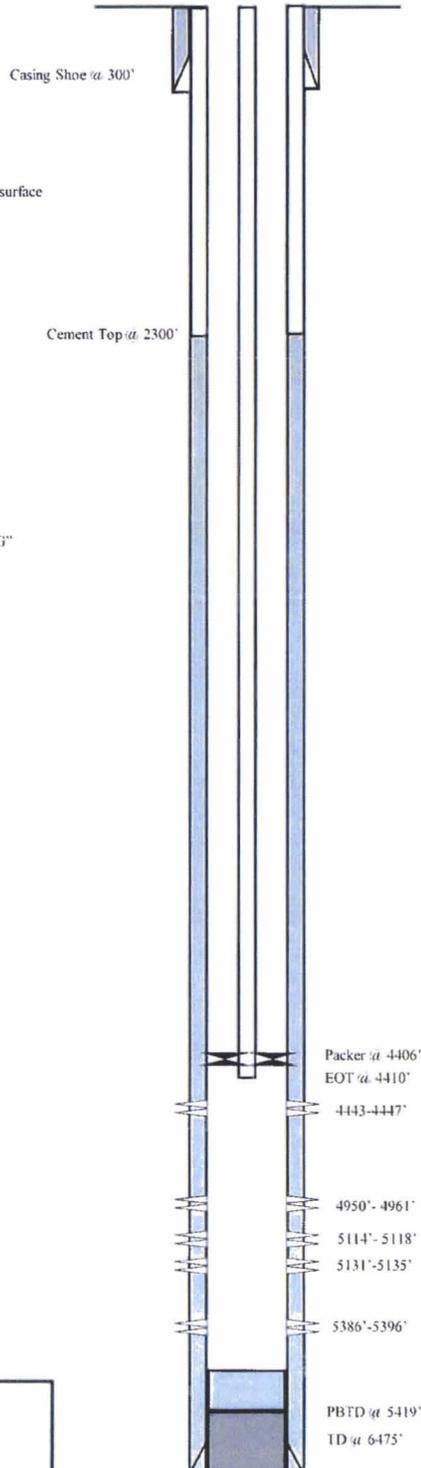
PRODUCTION CASING

CSG SIZE: 5-1 2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: 132 jts
 SET AT: 5603'
 HOLE SIZE: 7-7 8"
 CEMENT DATA: 260 sks Hi-Lift & 580 sks Class "G"
 CEMENT TOP AT: 2300'

TUBING

SIZE/GRADE/WT: 2-7 8" / J-55 / 6.5#
 NO. OF JOINTS: 138 jts (4385.7')
 SEATING NIPPLE: 2-7 8"
 SN LANDED AT: 4401.7' KB
 CE @ 4406.02'
 TOTAL STRING LENGTH: EOT @ 4410' KB

Injection Wellbore
 Diagram



FRAC JOB

5-18-89 5386'-5396' 38,500# 20-40 sand, 41,050# 016-30 sand, and 810 bbls. Avg TP 1700 psi w/avg rate of 35 BPM. ISIP-1800 psi.

5-23-89 4950'-4961' 49,000# 20-40 sand, 50,800# 16-30 sand, and 1002 bbls. Avg TP 2000 psi w/avg rate of 43 BPM. ISIP - 1900 psi.

3-05-98 5114'-5135' 118,300# 20-40 sd in 482 bbls Delta Frac. Treated @ ave sfc press of 6850 psi w/ave rate of 27.3 bpm. ISIP: 1765 psi. Calc flush: 1303 gal. Actual flush: 1259 gal.

04/19/07 **Parted Rods-** Updated rod & tubing details.

02/03/11 4443-4447' **Frac GB4 sands as follows:** 14386# 20-40 sand in 84 bbls Lighting 17 fluid.

02/11/11 **Convert to Injection well.**

02/18/11 **Conversion MIT finalized** - updated thg detail.

PERFORATION RECORD

5-17-89	5386'-5396'	4 JSPF	40 holes
5-20-89	4950'-4961'	4 JSPF	44 holes
3-04-98	5114'-5118'	4 JSPF	16 holes
3-04-98	5131'-5135'	4 JSPF	16 holes
02-03-11	4443-4447'	3 JSPF	12 holes

NEWFIELD

Federal 31-4G-9-16

500 FNL & 1900 FEL

NWNE Section 4-T9S-R16E

Duchesne Co, Utah

API # 43-013-31228; Lease # U-30096

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-30096	
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
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.		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
1. TYPE OF WELL Water Injection Well		8. WELL NAME and NUMBER: FEDERAL 31-4-G	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		9. API NUMBER: 43013312280000	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
PHONE NUMBER: 435 646-4825 Ext			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0500 FNL 1900 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 04 Township: 09.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE	
		STATE: 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"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="5 YR MIT"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/21/2016			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>On 01/18/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 01/21/2016 the casing was pressured up to 1301 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1643 psig during the test. There was a State representative available to witness the test - Amy Doebele.</p>			
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 22, 2016</p>			
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician	
SIGNATURE N/A		DATE 1/22/2016	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ Date 1/21/16 Time 1:30 am pm

Test Conducted by: INARI LISA

Others Present: _____

5 YEAR MIT

Well: FEDERAL 31-46-9-16	Field: Monument Butte
Well Location: Duchesne county, UTAH.	API No: 4301331228

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>0</u>	psig
5	<u>1,304</u>	psig
10	<u>1,303</u>	psig
15	<u>1,302</u>	psig
20	<u>1,301</u>	psig
25	<u>1,301</u>	psig <i>ad</i>
30 min	_____	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

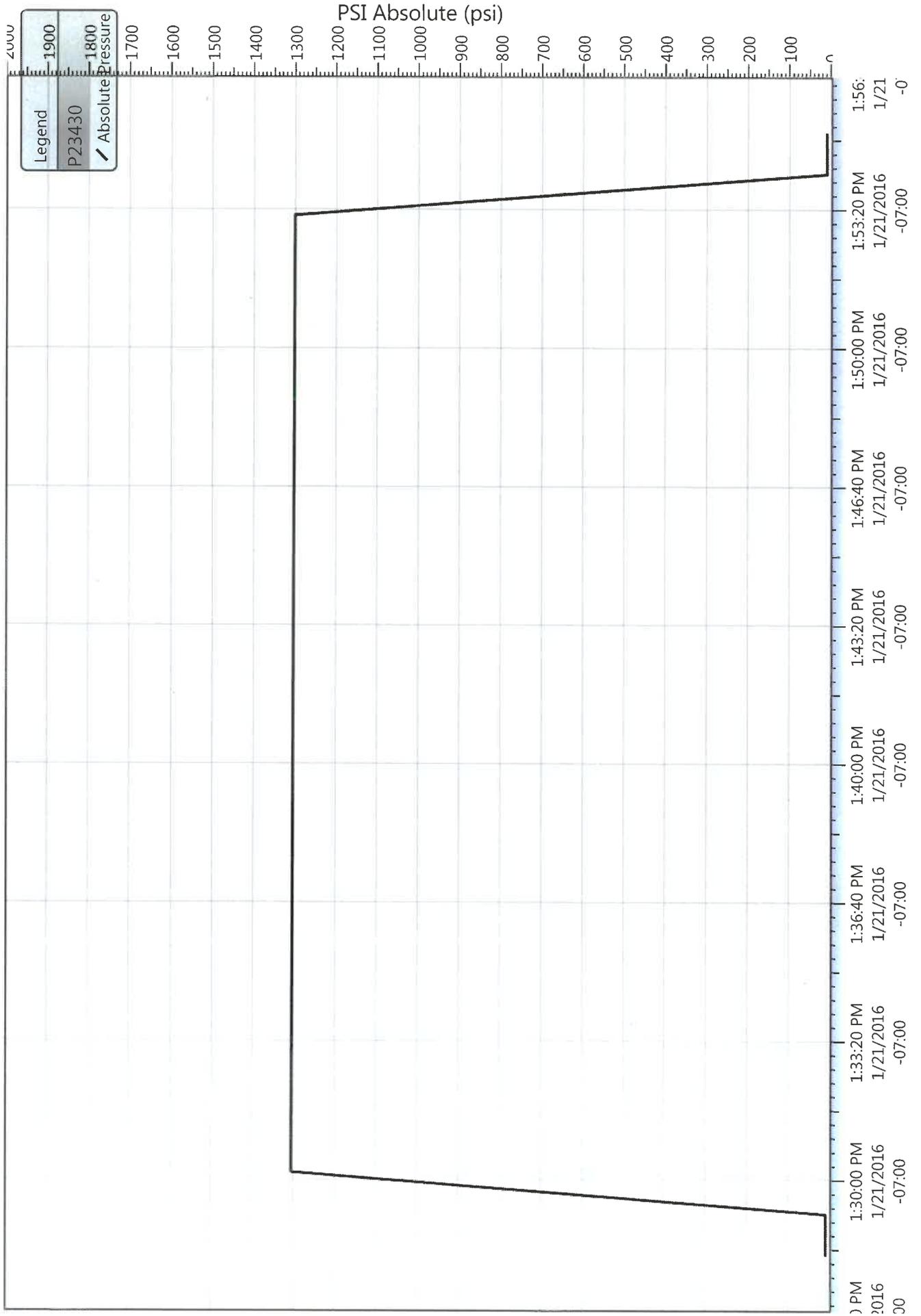
Tubing pressure: 1,643 psig

Result: Pass Fail

Signature of Witness: *Almy Darcher*

Signature of Person Conducting Test: *Inari Lisa*

Federal 31-4G-9-16 5 Year MIT
1/21/2016 1:27:52 PM



STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: <u>31.46.9.16</u>	API Number: <u>013-31278</u>
Qtr/Qtr: <u>NWNE</u> Section: <u>4</u>	Township: <u>9S</u> Range: <u>16E</u>
Company Name: <u>Newfield</u>	
Lease: State _____ Fee _____	Federal _____ Indian _____
Inspector: <u>Duhalde</u>	Date: <u>1/21/16</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 1644 psi max 1732
 Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1364.0</u>	<u>1643</u>
5	<u>1303.4</u>	<u>1643</u>
10	<u>1302.0</u>	<u>1643</u>
15	<u>1301.8</u>	<u>1643</u>
20	<u>1301.0</u>	<u>1643</u>
25	_____	_____
30	_____	_____

gauge 1325
 1300
 1306

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1643 psi
 Casing/Tubing Annulus Pressure: 0 psi

COMMENTS: _____

Jaakko Lusa - Mike Jensen

Operator Representative