

Natural Gas
Corporation of
California

RECEIVED
MAR 04 1988

DIVISION OF
OIL, GAS & MINING

March 2, 1988

Bureau of Land Management
Branch of Fluid Minerals
Vernal District
170 South 500 East
Vernal, UT 84078

Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84078-84180-1203

Re: NGC #23-9-H Federal
NE SW Sec. 9, T9S, R17E
Duchesne County, Utah

Gentlemen:

Natural Gas Corporation of California proposes to drill the subject well.
Enclosed are the following documents:

- 1) Application for Permit to Drill
- 2) Drilling Program
- 3) Surface Use Plan
- 4) Survey Plat
- 5) Cut and Fill Diagram
- 6) Topographic Maps

Your early consideration and approval of this application would be appreciated. Please contact me in the Vernal office if you have any questions concerning this application.

Sincerely,

Mike McMican

Mike McMican
Petroleum Engineer

/kh

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 2089' FWL, 2102' FSL, Sec. 9, T9S, R17E S.L.B. & M.
 At proposed prod. zone NE 1/4 SW 1/4

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
 479

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
 5600' *Dr. R. B.*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5250' GR

22. APPROX. DATE WORK WILL START*
 April, 1988

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"	17#	TD	As required

Attached: Drilling Program
 Surface Use Plan
 Survey Plat
 Cut and Fill Diagram
 Topographic Maps

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 Mike McMican TITLE Petroleum Engineer DATE Feb. 8, 1988
Michael L. McMican

(This space for Federal or State office use)

PERMIT NO. 43-013-31206

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

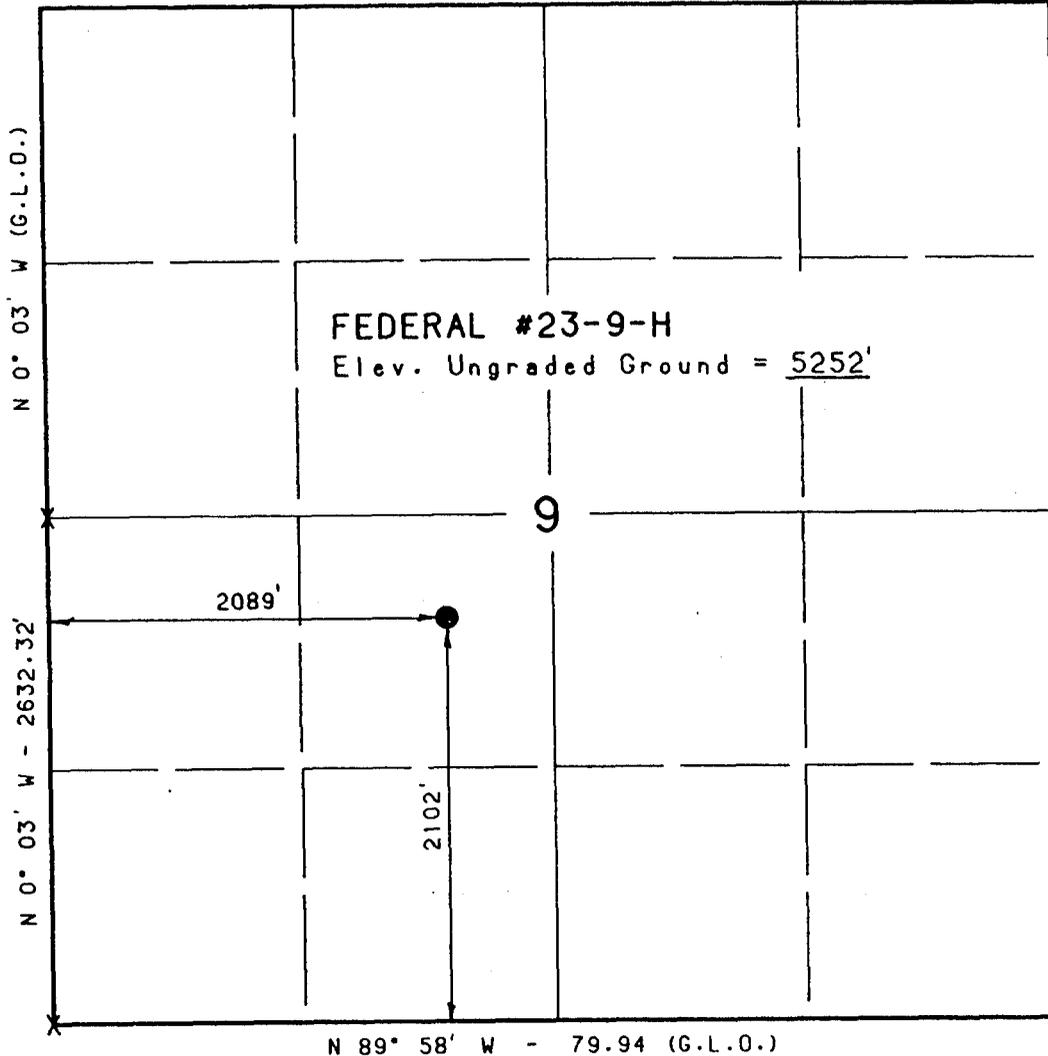
APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:

DATE 3-10-88
John R. Bay

*See Instructions On Reverse Side SPACING: R/15-3-2

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

S 89° 55' W - 79.88 (G.L.O.)



FEDERAL #23-9-H
Elev. Ungraded Ground = 5252'

9

2089'

2102'

N 89° 58' W - 79.94 (G.L.O.)

N 0° 03' W (G.L.O.)

N 0° 03' W - 2632.32

N 0° 02' W (G.L.O.)

X = SECTION CORNERS LOCATED (Brass Caps)

PROJECT

NATURAL GAS CORP. OF CALIFORNIA

Well location, FEDERAL #23-9-H
located as shown in the NE1/4 SW1/4
of Section 9, T9S, R17E, S.L.B.&M.
Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SW CORNER OF SECTION 9
T9S, R17E, S.L.B.&M. TAKEN FROM THE MYTON SE.
QUADRANGEL, 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
5305 FEET



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Robert Marshall
REGISTERED LAND SURVEYOR
REGISTRATION No. 2454
STATE OF UTAH

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

SCALE 1" = 1000'	DATE 1-28-88
PARTY L.D.T. G.S. J.R.S.	REFERENCES GLO
WEATHER COLD	FILE NATURAL GAS CORP.

DRILLING PROGRAM

Company Natural Gas Corporation of California Well No. 23-9-H

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

Onsite Inspection Date 2-9-88

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	+5250'
Green River	1465'	+3785'
Douglas Creek Marker	4519'	+ 731'
TD	5600'	- 350'

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	3900' - 5600'
Expected gas zones:	None	
Expected water zones:	None	
Expected mineral zones:	Oil Shale	Top @ 1465'

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 2000 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"	17#	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, 2½" choke manifold, and pit level indicator.

5. Mud Program and Circulating Medium:

<u>Interval</u>	<u>Mud Weight lbs./gal.</u>	<u>Viscosity Sec./Qt.</u>	<u>Fluid Loss ML/30 mins.</u>	<u>Mud Type</u>
0' - 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 3000' to TD.
- d. Logging:

<u>Type</u>	<u>Depth</u>
DIL/SFL/SP/GR	TD - Surface casing
FDC/CNL/GR	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: April, 1988
Spud Date: April, 1988

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 3160-7 "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.

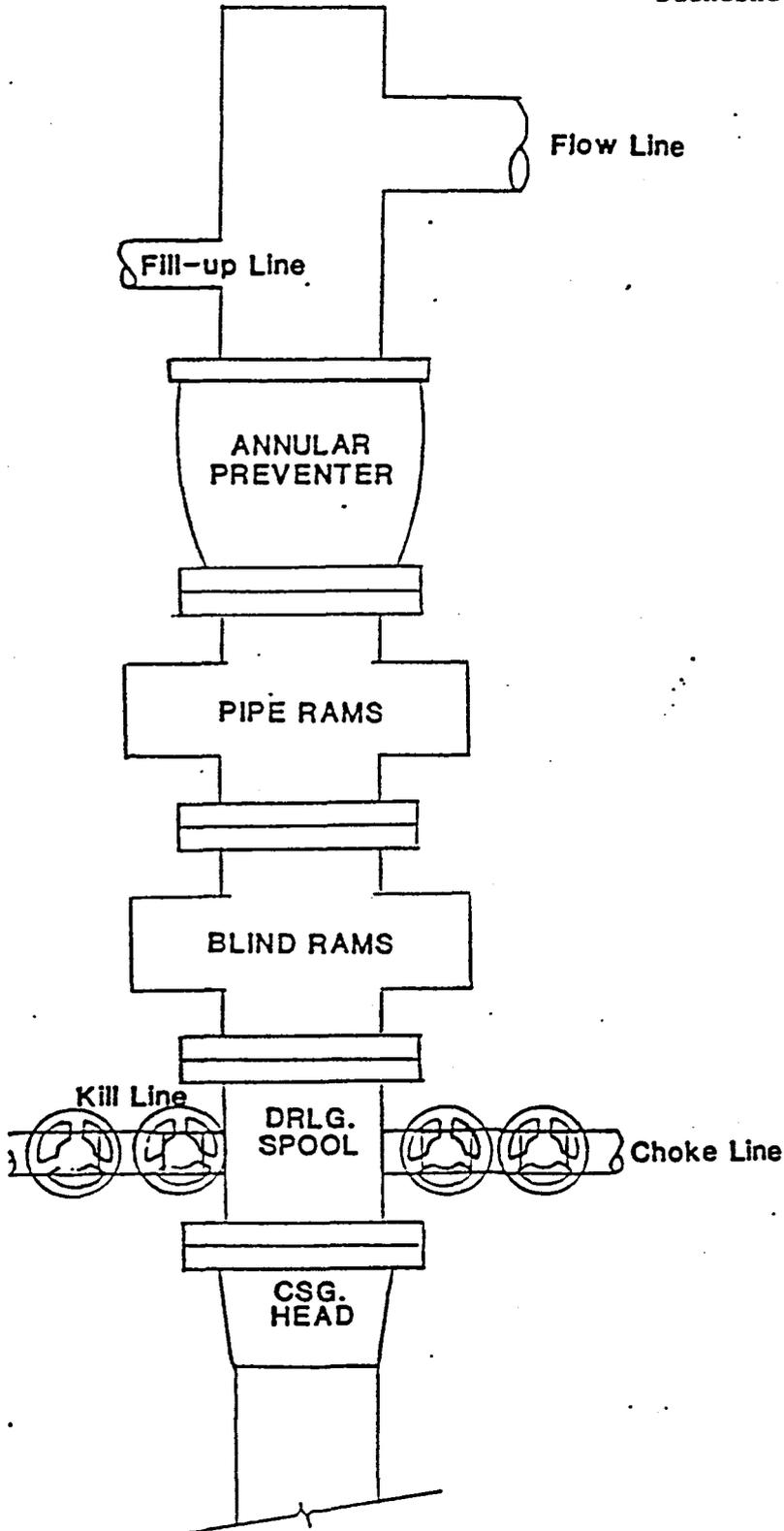
Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a 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 #23-9-H Federal
NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9, T9S, R17E
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 with API RP 53.
2. BOP's are to be well braced w/ hand controls extended clear of substructure.
3. Accumulator to provide closing pressure in excess of that required w/sufficient volume to operate all components.
4. All BOP equipment to be tested to 2000# for 15 minutes. The BOP's will be tested at the time of installation & every 30 days thereafter. BOP's to be mechanically checked daily.
5. Modification of hook-up or testing procedure must be approved in writing on tour reports by wellsite representative.

Surface Use Plan

Natural Gas Corporation of California

NGC #23-9-H Federal

Sec. 9, T9S, R17E, S.L.B. & M.

Duchesne County, Utah

Onsite Date

2-9-88

SURFACE USE PLAN

1. Existing Roads:

See attached topographic map "A".

To reach the NGC #23-9-H Federal located in Section 9, T9S, R17E, 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 10.5 miles to the Sand Wash junction. Turn right on Sand Wash road and go 0.8 miles. Turn left and follow the NGC #13-9-H access road. The NGC #23-9-H access road begins just before the NGC #13-9-H location. Turn left onto the NGC #23-9-H access road for 0.3 miles 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 - 0.3 miles.
- B. Width - 30 foot right-of-way with 18 foot running surface maximum.
- C. Maximum grades - 5%.
- 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) - 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 well location map.

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 well pad as specified in Sundry Notice to be submitted before construction of facilities.

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 10' 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 by the BLM 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 north side of the location. The stockpiled topsoil will be stored between points six and seven. Access to the well pad will be between points two and three.

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 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' east of the reserve pit fence and 100' from the rig substructure.

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 Natural Gas Corporation of California 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.

3-1-88
Date

Mike L. McMican
Mike L. McMican, Petroleum Engineer

Onsite Date: 2-9-88

Participants on Joint Inspection:

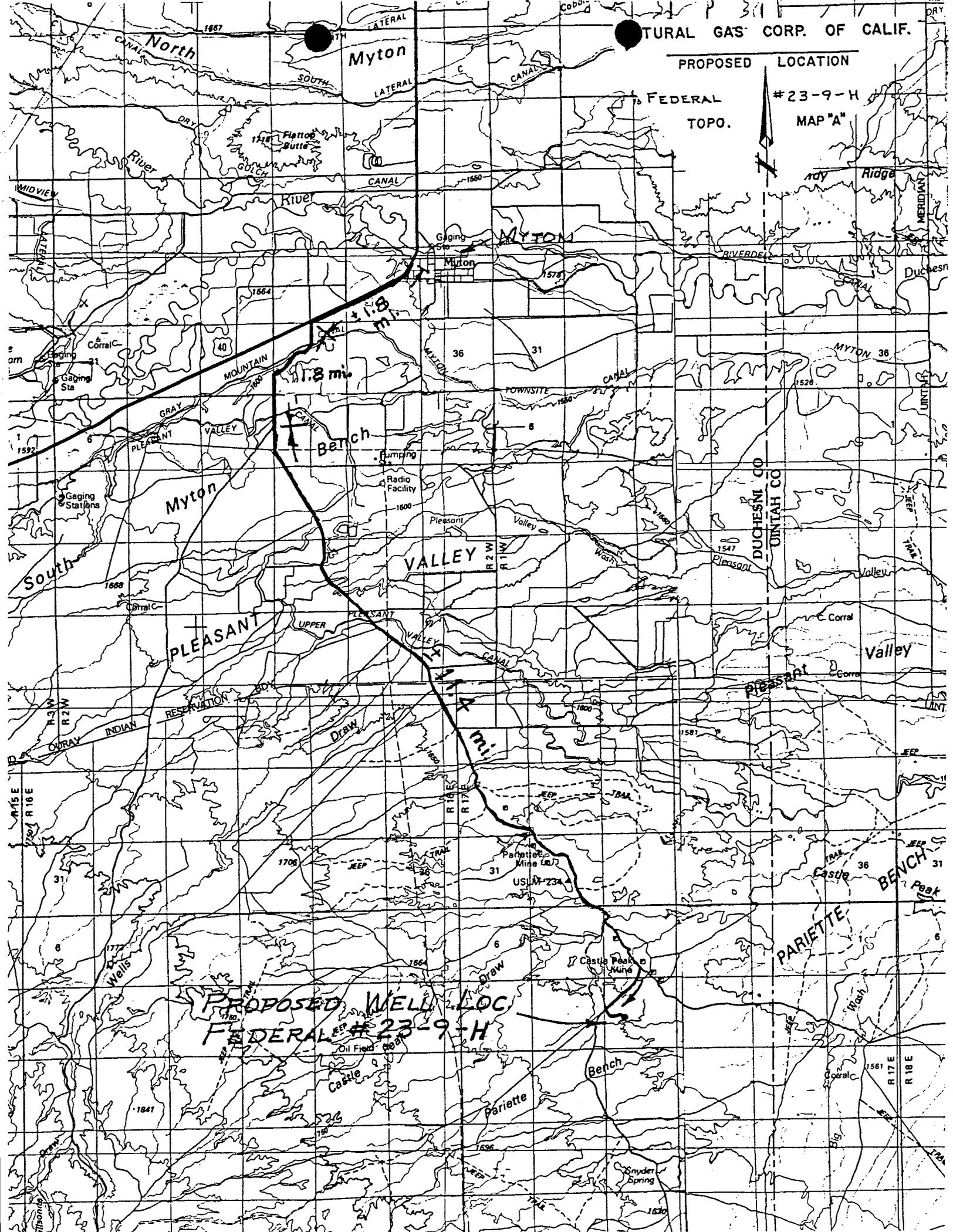
Tim O'Brien - BLM

Mike McMican - NGC

PROPOSED LOCATION

#23-9-H
MAP "A"

FEDERAL
TOPO.



PROPOSED WELL LOC.
FEDERAL #23-9-H

1.8 mi.
1.8 mi.

1.8 mi.

Myton
Pleasant Valley
Gray Valley
Pariette
Bench
Castle Peak
Snyder Spring
Oil Field
USM 234
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R 18 E
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PROPOSED LOCATION

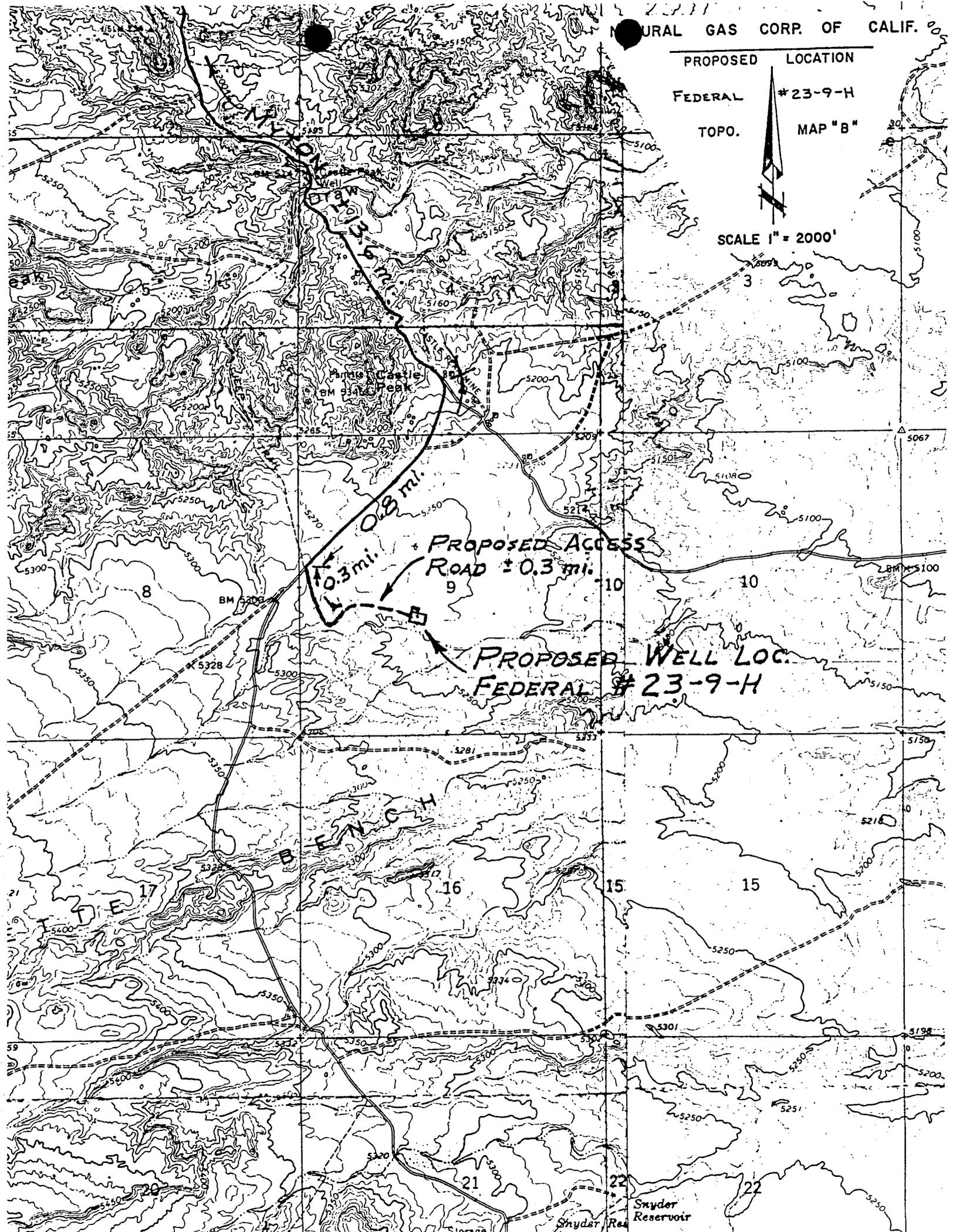
FEDERAL

#23-9-H

TOPO.

MAP "B"

SCALE 1" = 2000'



0.3 mi.
0.8 mi.

PROPOSED ACCESS
ROAD ± 0.3 mi.

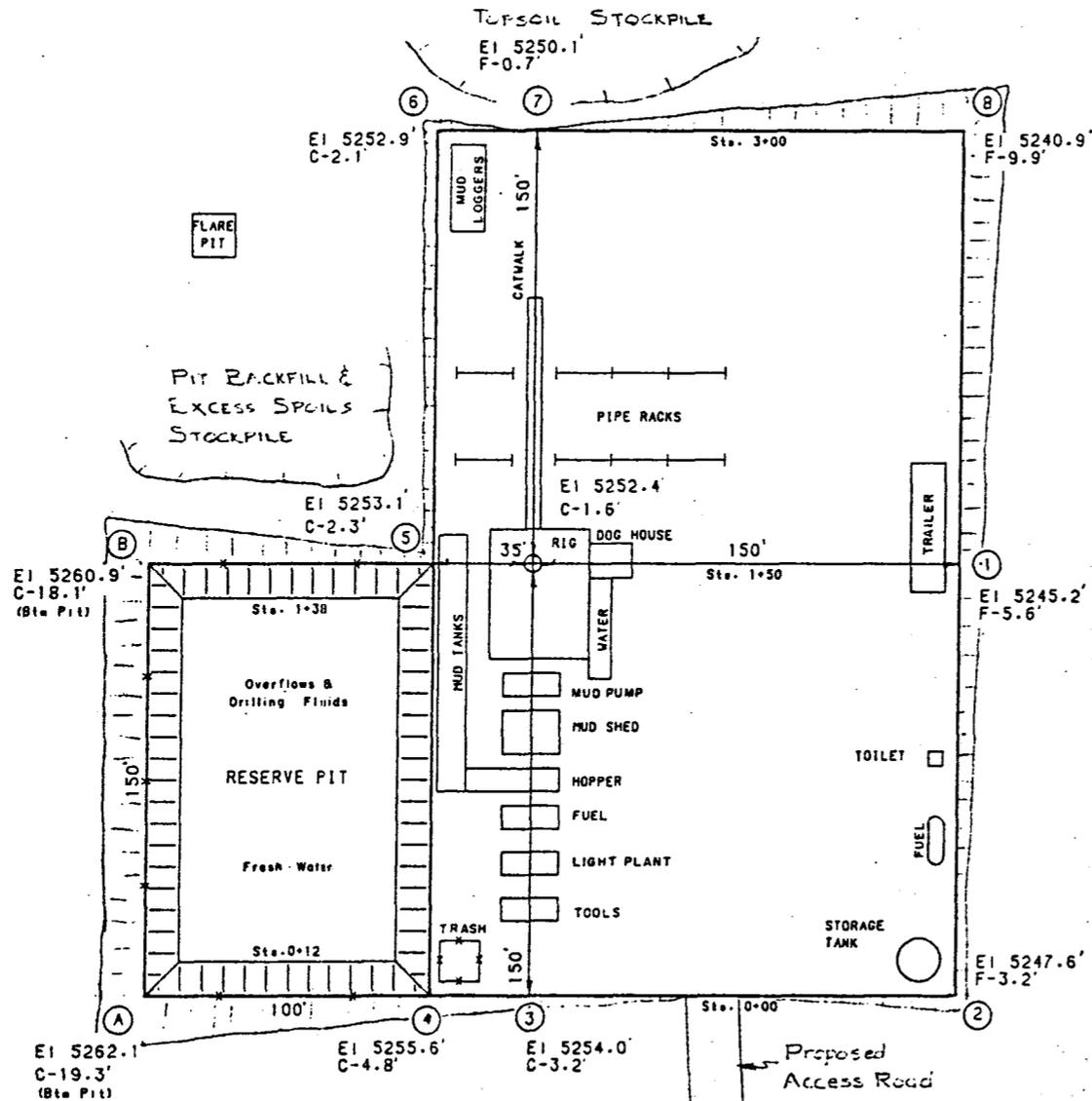
PROPOSED WELL LOC.
FEDERAL #23-9-H

Snyder Reservoir

NATURAL GAS CORP. OF CALIFORNIA

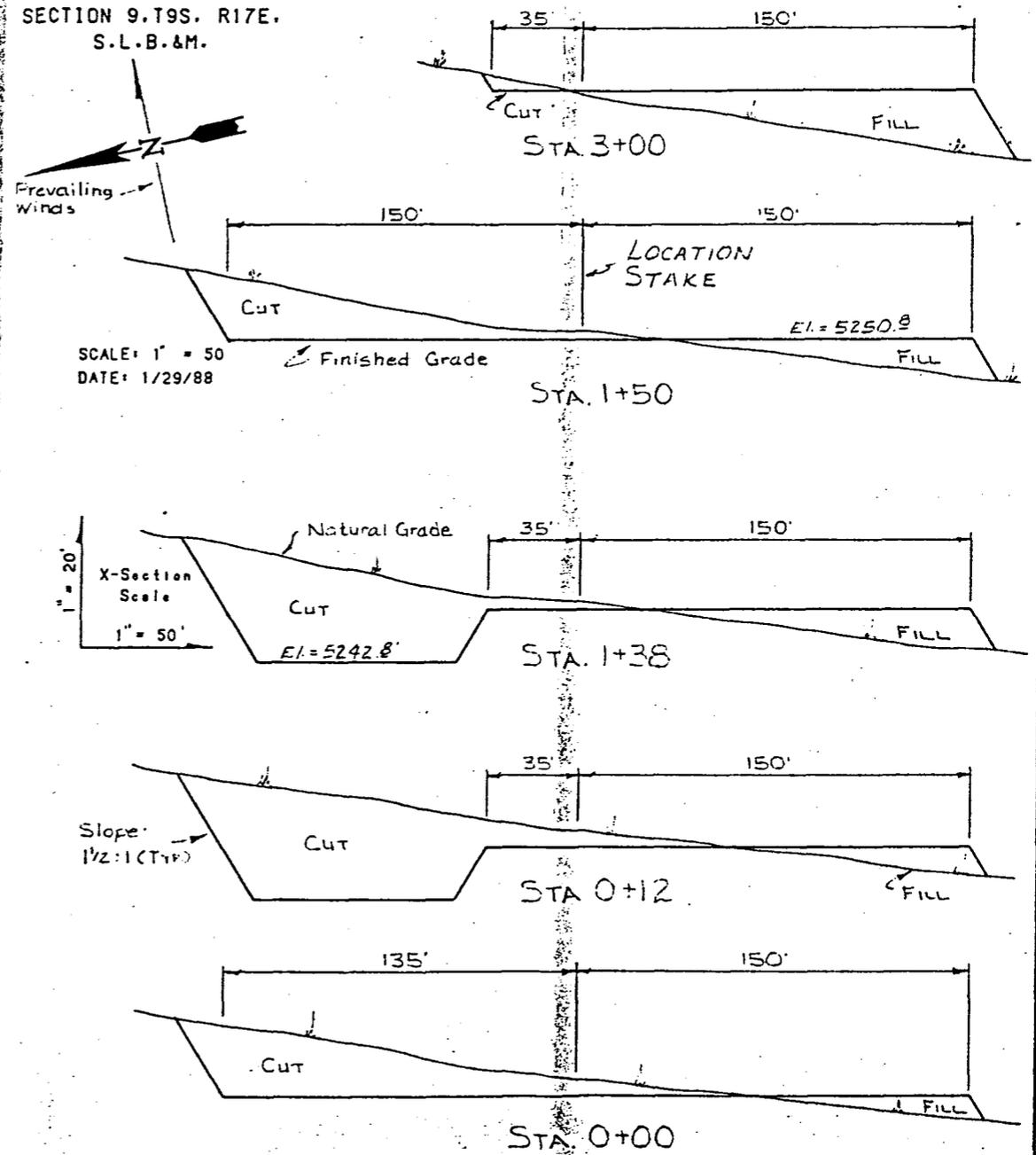
FEDERAL #23-9-H

SECTION 9.19S. R17E.
S.L.B.&M.



APPROXIMATE YARDAGES

CUT		EXCESS MATERIAL AFTER	
(6") Topsoil Stripping	= 1.306 Cu. Yds.	20% COMPACTION	= 3.363 Cu. Yds.
Pit Volume (Below Grade)	= 3.598 Cu. Yds.	Topsoil & Pit Backfill	= 3.105 Cu. Yds.
Remaining Location	= 5.438 Cu. Yds.	(1/2 Pit Vol.)	
TOTAL CUT	= 10.342 CU. YDS	EXCESS UNBALANCE	= 258 Cu. Yds.
FILL	= 5.583 CU. YDS	(After Rehabilitation)	



031115

OPERATOR Nat. Gas Corp of Ca. DATE 3-7-88

WELL NAME Fed. 23-9-H

SEC NESW 9 T 95 R 17E COUNTY Ruckman

43-013-31206
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920'
Need water permit

APPROVAL LETTER:

SPACING:

R615-2-3

UNIT

R615-3-2

CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1- Water permit



March 10, 1988

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

Gentlemen:

Re: Federal 23-9-H - NE SW Sec. 9, T. 9S, R. 17E
2102' FSL, 2089' FWL - Duchesne County, Utah

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:

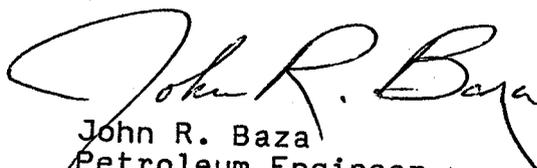
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or 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.

Page 2
Natural Gas Corporation of California
Federal 23-9-H
March 10, 1988

6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all 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 43-013-31206.

Sincerely,


John R. Baza
Petroleum Engineer

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

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

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
 2089' FWL, 2102' FSL, Sec. 9, T9S, R17E S.L.B. & M.
 At proposed prod. zone NE 1/4 SW 1/4

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 43-013-31206

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
 479

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
 5600'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5250' GR

22. APPROX. DATE WORK WILL START*
 April, 1988

5. LEASE DESIGNATION AND SERIAL NO.
 U-50750 *Dr.*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 032900

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

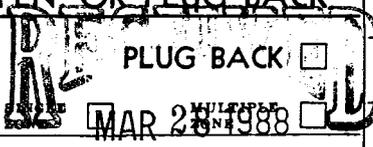
9. WELL NO.
 23-9-H

10. FIELD AND POOL, OR WILDCAT
 Monumnt Butte

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

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah



23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	300'	To surface
7-7/8"	5-1/2"	17#	TD	As required

Attached: Drilling Program
 Surface Use Plan
 Survey Plat
 Cut and Fill Diagram
 Topographic Maps



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 Mike McMican TITLE Petroleum Engineer DATE Feb. 8, 1988
 Michael L. McMican

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE MAR 25 1988

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL *See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

47-680-9-21 St. Div 06*4

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Natural Gas Corp. of California Well No. 23-9-H
Location NE/SW Sec. 9 T9S R17E Lease No. U-50750

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

A. DRILLING PROGRAM

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

Report ALL water shows and water-bearing sands to Wayne Svejnoha of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

2. Pressure Control Equipment

Ram preventers shall be tested to 2,400 psi. Annular preventers shall be tested to 1,500 psi.

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

3. Casing Program and Auxiliary Equipment

The cementing program for the 5½" casing shall provide protection and/or isolation for the following zones (if encountered while drilling):

Fresh water is anticipated in the Uinta Formation from 450-600 feet and 1,050-1,390 feet.

Fresh water is anticipated in the Green River Formation from 1,400-1,550', 2,750-2,850', 3,200-3,800', and 4,500-5,300'.

Oil shale is anticipated in the Mahogany Zone of the Green River Formation from 2,690-2,800'.

If 5½" casing is run and cemented, a cement bond log (CBL) shall be run and copies of the CBL shall be submitted to this office.

The District Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Coring, Logging and Testing Program

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

5. Other Information

In the event after-hour approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190
Petroleum Engineer

R. Allen McKee (801) 781-1368
Petroleum Engineer

Craig M. Hansen (801) 247-2318
Assistant District Manager
for Minerals

*Natural Gas
Corporation of
California*

NGC NGC

April 6, 1988

RECEIVED
APR 11 1988

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Branch of Fluid Minerals
Vernal District
170 South 500 East
Vernal, UT 84078

Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84078

Re: NGC #23-9-H Federal
Sec. 9, T9S, R17E
Duchesne County, Utah

Gentlemen:

Attached are copies of Form 3160-5, "Sundry Notices and Reports on Wells, requesting approval to change the size of the drilling location for the subject well.

If you have any questions, please contact the Vernal office.

Sincerely,

Mike McMican

Mike McMican
Petroleum Engineer

/kh

Attachment

- cc: S. Furtado (Rm 1449)
- L. Jorgensen (Rm 1421)
- W. G. Paulsell (Rm 1428)
- B. Hill (Fairfield)
- H. Culp (Rm 1442)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate*
(Other instructions re-
verse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-50750

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

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
2089' FWL, 2102' FSL, Sec. 9, T9S, R17E

7. UNIT AGREEMENT NAME

8. LEASE OR LEASE NAME
Federal

9. WELL NO.
23-9-H

10. FIELD AND POOL, OR WILDCAT
Monument Butte

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

14. PERMIT NO.
43-013-31206

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5250' GR

12. COUNTY OR PARISH 13. STATE
Duchesne Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

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 plans to reduce the size of the drilling location because of rig size (see attached diagram). New dimensions will be 300' x 130' pad with 130' x 50' reserve pit.

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

SIGNED Mike McMican
Michael L. McMican

TITLE Petroleum Engineer

DATE 4-5-88

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

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

DATE: 4-12-88

BY: John R. Bay

NATURAL GAS CORP OF CALIFORNIA

Typical Pleasant Valley
Location Layout

APR 11 1988

DIVISION OF
OIL, GAS & MINING

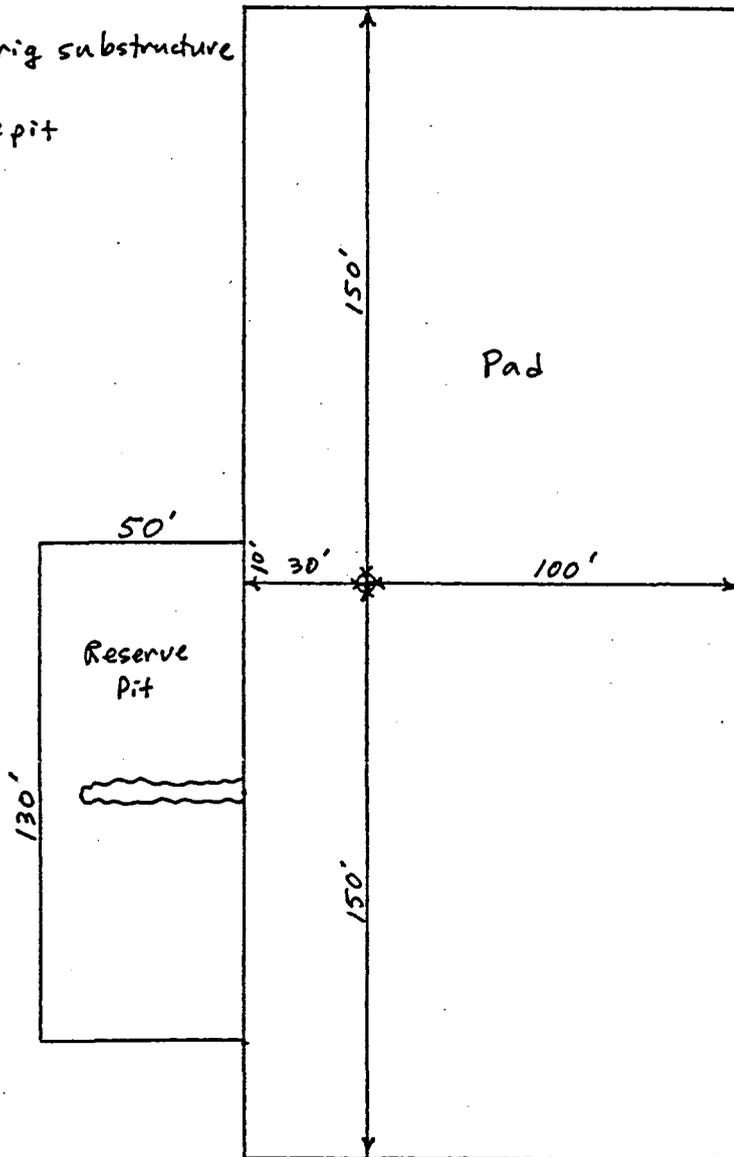
Reserve Pit

130' * 50' * 6'
dike in center

Flare Pit

Minimum 100' from rig substructure
minimum 30' from
reserve pit

Flare Pit 



Natural Gas
Corporation of
California

RECORDED
MAY 4 1988

DIVISION OF
OIL, GAS & MINING

May 3, 1988

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

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

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC #23-9-H Federal
Sec. 9, T9S, R17E
Duchesne County, Utah

Gentlemen:

Attached are copies of Form 3160-5, "Sundry Notices and Reports on Wells, Report of Spud Date for the subject well.

If you have any questions, please contact the Vernal office.

Sincerely,

Mike McMican

Mike McMican
Petroleum Engineer

/kh

Attachment

cc: S. Furtado (Rm 1449)
L. Jorgensen (Rm 1421)
W. G. Paulsell (Rm 1428)
B. Hill (Fairfield)
H. Culp (Rm 1442)

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 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-50750
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 2089' FWL, 2102' FSL, NE SW		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-013-31206		9. WELL NO. 23-9-H
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5250' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T9S, R17E
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

MAY 4 1988

DIVISION OF OIL, GAS & MINING

18. 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) Report of Spud Date <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.) *

Operator reports the subject well was spud at 11 a.m. 4/30/88 with a dryhole digger. Spud date was reported verbally to the Bureau of Land Management and Division of Oil, Gas & Mining 5/1/88 at 8 a.m.

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

SIGNED Mike McMican TITLE Petroleum Engineer DATE 5/2/88
Michael L. McMican

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

ENTIRE ACTION FORM 1988
MAY 1 1988

OPERATOR Natural Gas Corporation of CA
ADDRESS 85 South 200 East
Vernal, Utah 84078

OPERATOR CODE N0700
PHONE NO. 801, 789-4573

DIVISION OF
OIL, GAS & MINING

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	10868	43-013-31206	Federal #23-9-H	NE/SW	9	S 9E	17E	Duchesne	4/30/88	
COMMENTS: Federal lease, not in unit. Proposed zone GRU Assign new entity #.											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											

- ACTION CODES:
- A - ESTABLISH NEW ENTITY FOR NEW WELL
 - B - ADD NEW WELL TO EXISTING ENTITY
 - 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)
(SEE INSTRUCTIONS)

Connie Wales
SIGNATURE
Clerk
TITLE
5/2/88
DATE

12/

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR NGC LEASE _____
WELL NO. Fed 23-9H API 43-013-31206
SEC. 9 T. 9S R. 17E CONTRACTOR Olsen #15
COUNTY Duchesne FIELD Monument Butte

NE
SW

DRILLING/COMPLETION/WORKOVER:

APD
 SAFETY
 OPERATIONS

WELL SIGN
 POLL. CONTROL
 OTHER

HOUSEKEEPING
 SURFACE USE

BCPE
 PITS

SHUT-IN _____ / TA _____ :
 WELL SIGN
 OTHER

HOUSEKEEPING

EQUIPMENT*

SAFETY

ABANDONED:

MARKER

HOUSEKEEPING

REHAB.

OTHER

PRODUCTION:

WELL SIGN
 METERING*
 SECURITY

HOUSEKEEPING
 POLL. CONTROL
 SAFETY

EQUIPMENT*
 PITS
 OTHER

FACILITIES*
 DISPOSAL

GAS DISPOSITION:

VENTED/FLARED

SOLD

LEASE USE

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

*FACILITIES INSPECTED: Rig BOP Loc.

REMARKS: TD 5600' Laying down DP to run csg.

ACTION: _____

INSPECTOR: AA DATE 5/9/88

Natural Gas
Corporation of
California

RECORDED
MAY 10 1988

DIVISION OF
OIL, GAS & MINING

May 6, 1988

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

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

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC #23-9-H Federal
Sec. 9, T9S, R17E
Duchesne County, Utah

Gentlemen:

Attached are copies of Form 3160-5, "Sundry Notices and Reports on Wells,
Weekly Status Report for the subject well.

If you have any questions, please contact the Vernal office.

Sincerely,

Karla Hanberg

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado (Rm 1449)
L. Jorgensen (Rm 1421)
W. G. Paulsell (Rm 1428)
B. Hill (Fairfield)
H. Culp (Rm 1442)

(1) TAS ✓
(2) File

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 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-50750	
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 2089' FWL, 2102' FSL, NE SW		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-31206		9. WELL NO. 23-9-H	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5250' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T9S, R17E	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

MAY 10 1988

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 COMPLETION <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) _____	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) Weekly Status Report <input checked="" type="checkbox"/>			

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 April 26 through May 6, 1988.

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE 5/6/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Natural Gas Corporation of CA
Pleasant Valley Federal #23-9-H
2089' FWL 2102' FSL, NE/SW Section 9, T9S-R17E
Duchesne County, Utah
Proposed Total Depth: 5600'
OBJECTIVE: Green River Formation
CONTRACTOR: Olsen Rig #5
ELEVATION: 5250' GR; 5262'KB
SPUD: 4/30/88 (DHD); (CORO)
AFE NUMBER: 8892
DRILLING AFE AMT: \$117,690
COMPLETION AFE AMT: \$310,485
TOTAL AFE AMOUNT: \$428,175

4-26-88 Built road and started on location. Daily cost \$1,000; CDC \$1,000

4-27-88 Road and location roughed in. Digging reserve pit - should finish in the morning & spud surface tomorrow afternoon. Daily cost \$2,200; CDC \$3,200

4-28-88 Building location - should finish today. Leon Ross to spud surface hole on Saturday, 4/30/88. Daily cost \$500; CDC \$3,700

4-29-88 Finished building location and started on erosion dam. Will spud surface in the morning. Daily cost \$500; CDC \$4,200

4-30-88 Finished building location. Filling reserve pit. Ross construction building erosion dam. Leon Ross spudded surface hole this AM. Daily cost \$1,000; CDC \$5,200

5-1-88 TD 300'. Leon Ross spudded 12-1/4" surface hole @ 11:00 AM, 4/30/88 and drilled to 300'. Daily cost \$1,000; CDC \$6,200

5-2-88 TD 300'. Ran 7 jts of 9-5/8" 43.5# L-80 LTC surface casing to 298'KB (KB 15'), cemented w/165 sx of Class "G" + 2% CaCl₂ + 1/4#/sk celloflake - good returns throughout, 6 bbls of good cement to surface. Built cellar and drilled mouse and rat hole. Present Operation: MI & RU Olsen Rig #5. Daily cost \$6,515; CDC \$12,715

5-3-88 TD 340'. Made 42'. Drilling. MW 8.3, VIS 27, PH 9.5. Bit #1: 7-7/8" STC F25, SN KH0858 in @ 300'. MIRU Olsen Rig #5. Tested rams to 2500 psi and Hydril to 1500 psi (witnessed and approved by BLM). RIH w/7-7/8" bit & tagged good cement @ 240'. Drilled cement and shoe. Drilling at 340' at report time. Survey: 1/2° @ 330'. Daily cost \$3,905; CDC \$16,620

5-4-88 TD 1758'. Day 2. Made 1418' in 23-3/4 hrs.. Drilling. MW 8.3, VIS 27, PH 11.5. Drilling at a rate of 59.7 FPH. Survey: 1-1/2° @ 1356'. Daily cost \$14,015; CDC \$30,635

5-5-88 TD 2984'. Day 3. Made 1226' in 23-3/4 hrs.. Drilling. MW 8.3, VIS 27, PH 12. Drilling at a rate of 51.6 FPH. Survey: 1-3/4° @ 2343'. Daily cost \$11,365; CDC \$42,000

5-6-88 TD 3920'. Day 4. Made 936' in 23½ hrs. Drilling. MW 8.3, VIS 27, PH 12. Drilling at a rate of 39.8 FPH. Survey: 1½° @ 3293'. Daily cost \$9,395; CDC \$51,395

Natural Gas
Corporation of
California

RECEIVED
MAY 13 1988

DIVISION OF
OIL, GAS & MINING

May 12, 1988

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

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

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC #23-9-H Federal
Sec. 9, T9S, R17E
Duchesne County, Utah

Gentlemen:

Attached are copies of Form 3160-5, "Sundry Notices and Reports on Wells,
Weekly Status Report for the subject well.

If you have any questions, please contact the Vernal office.

Sincerely,

Karla Hanberg

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado
L. Jorgensen
W. G. Paulsell
B. Hill
H. Culp

(1) TAS

File

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug wells or to alter well casing.)
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-50750	
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 2089' FWL, 2102' FSL, NE SW		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-31206		9. WELL NO. 23-9-H	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5250' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T9S, R17E	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

RECEIVED
MAY 13 1988
DIVISION OF OIL, GAS & MINING

18. 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) Weekly Status Report <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 Weekly Status Report for the subject well from May 7 through May 10, 1988. The current status of the well is waiting on completion.

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE May 12, 1988
(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Federal #23-9-H cont'd ...

5-7-88 TD 4644'. Day 5. Made 724' in 24 hrs. Drilling. MW 8.4, VIS 27, PH 12. Drilling at a rate of 30.2 FPH.

<u>Shows</u>	<u>BGG</u>	<u>Formation</u>
3720'- 3732'	12-110-12	
3802'- 3810'	12-100-10	
4026'- 4033	20-60-18	Upper A
4099'- 4113'	4-44-8	Lower A
4554'- 4560'	8-360-12	DC ₂
4597'- 4613'	8-400-20	DC ₄

Formation Tops:

"A"	@	3906'
"B"	@	4162'
DC MKR	@	4518'
DC ₄	@	4597'

Daily cost \$10,135'; CDC \$61,530

5-8-88 TD 5390'. Day 6. Made 746' in 23-3/4 hrs. Drilling. MW 8.5, VIS 27, PH 11.5. Drilling at a rate of 31.4 FPH.

<u>Shows</u>	<u>BGG</u>	<u>Formation</u>
4767'- 71'	4-160-25	Upper D
4782'- 84'	15-160-15	Upper D
4835'- 44	10-260-10	Lower D - good
4870'- 86'	10-40-10	Top E - poor
5003'- 10'	16-180-20	E _(E) - good
5228'- 50'	20-300-50	Lower E ₂ - good
5268'- 74'	25-185-25	Lower E ₂ - poor
5354'- 70'	20-200-15	Black Shale - poor
5424'- 38'	15-170-Inc	F ₂ - looks good

(presently)

Formation Tops:

"D"	@	4746'
"E"	@	4870'
E ₂	@	5025'

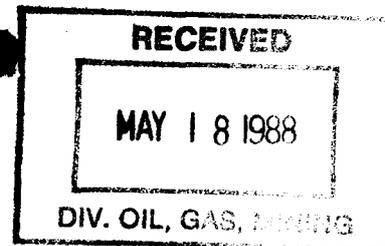
Daily cost \$8,955; CDC \$70,485

5-9-88 TD 5600'. Day 7. Made 210'. Logging. Bit #2, 7-7/8", STC, F-25 out @ 5302'. Dev: 1° @ 5600'. Daily cost \$3,345'. CDC \$73,830

5-9-88 CORRECTED COSTS: Daily cost \$6,420. CDC \$76,905

5-10-88 TD 5600'. Day 8. MW 8.5, VIS 27, PH 11.5. Finished logging w/Welex. Circulated and conditioned hole. LD drill string. Ran 112 jts of 5-1/2" 17#, K-55 (4900.32') and 19 jts of 17# L-80 (616.9), float collar and 2 jts of 5-1/2" 17# L-80 (63.67') set @ 5599'. Cemented w/205 sx of Class "G" + 3% A-2 + 1/4#/sk celloflake, followed by 380 sx of Class "G" 10% gypseal. ND BOP & set slips. Released Rig @ 6:00 AM, 5/10/88. FINAL REPORT. WOC. Daily cost \$11,220; CDC \$88,125

*Natural Gas
Corporation of
California*



NGC NGC

May 16, 1988

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

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

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC #23-9-H Federal
NE/SW Sec. 9, T9S, R17E
Duchesne County, Utah

Gentlemen:

Attached is Form OGC-8-X, "Report of Water Encountered During Drilling", for the subject well.

If you have any questions, please contact the Vernal office.

Sincerely,

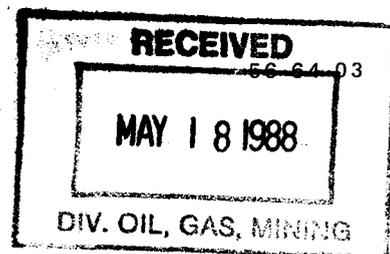
A handwritten signature in cursive script that reads "Karla Hanberg".

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado
L. Jorgensen
W. G. Paulsell
B. Hill
H. Culp

FILE IN TRIPLICATE
FORM OGC-8-X



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Federal 23-9-H
Operator Natural Gas Corp. of Calif. Address 85 South 200 East, Vernal, UT 84078
Contractor Leon Ross Drilling Address Roosevelt, UT
Location NE 1/4 SW 1/4 Sec. 9 T: 9S R: 17E County Duchesne

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	125'	300'	trace	fresh
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

Natural Gas
Corporation of
California

RECEIVED
JUN 6 1988

DIVISION OF
OIL, GAS & MINING

June 3, 1988

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

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

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

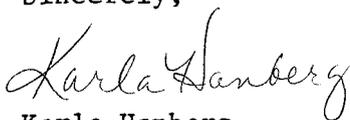
Re: NGC #23-9-H Federal
NE/SW Sec. 9, T9S, R17E
Duchesne County, Utah

Gentlemen:

Attached are copies of Form 3160-5, "Sundry Notices and Reports on Wells",
Weekly Status Report for the subject well.

If you have any questions, please contact the Vernal office.

Sincerely,



Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado
L. Jorgensen
W. G. Paulsell
B. Hill
H. Culp

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

3. LEASE DESIGNATION AND SERIAL NO.

U-50750

INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON

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

RECEIVED
JUN 6 1988

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. LEASE AGREEMENT NAME
2. NAME OF OPERATOR Natural Gas Corporation of California		8. FARM OR LEASE NAME Federal
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		9. WELL NO. 23-9-H
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2089' FWL, 2102' FSL, NE SW		10. FIELD AND POOL, OR WILDCAT Monument Butte
14. PERMIT NO. 43-013-31206		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T9S, R17E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5250' GR		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) Weekly Status Report <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.)*

Operator commenced completion operations May 26, 1988. Attached is the Weekly Status Report from May 26 through June 3, 1988.

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE June 3, 1988
Karla Hanberg

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

RECEIVED
JUN 6 1988

Federal #23-9-H cont'd ...

DIVISION OF
OIL, GAS & MINING

6-2-88 Day 5. POOH. RU Oil Well Perforators and perforate 5226'- 38', 5240'- 50', 5253'- 64' (4 SPF, 90° phasing). RU Dowell Schlumberger, break down perms and frac as follows:

Rate	CP	VOL (Bbls)	Event
30	2270	61	Pad
30	2495	119	Start 1/2# 100 mesh
30	2577	190	Start 1# 100 mesh
30	2508	286	1# 20/40
30	2452	360	2# "
30	2321	438	3# "
30	2174	519	4# "
30	2083	604	5# "
30	2037	691	6# "
36	1936	782	7# "
36	1808	876	8# "
35	2090	989	Start flush
	2700	1110	Shut down

ISIP = 2133, 5 min = 2051, 10 min = 2019, 15 min = 2000.

Total sand = 108,000# 20/40

Total fluid = 41,875 gal

SION. Today's Operation: Flow back after frac. Daily cost \$27,600; CCC \$128,575

6-3-88 Day 6. Check pressure: CP = 1775 psi. Opened well on 8/64" choke. Well pulled down to 1200 psi in 1-1/2 hr. Put well on 16/64" choke. Well pulled down to 1000 psi and started making sand and gas. Put well on 8/64", pulled down to 600 psi in 2 hrs and still making some sand & gas. Put well on 16/64" choke and went to 0 psi in 1/2 hr. Approximately 2 bbls sand to pit. RIH w/tubing and tagged sand @ approximately 5243'. Washed down to RBP @ 5351'. Move RBP, set & test @ 5097'. SDFN. Today's Operation: POOH, perf and frac E_(E) Sand. Daily cost \$5,440; CCC \$134,015

DAILY OPERATIONS REPORT

Natural Gas Corporation of CA
 Pleasant Valley Federal #23-9-H
 2089' FWL 2102' FSL, NE/SW Section 9, T9S-R17E
 Duchesne County, Utah
 Proposed Total Depth: 5600'
 OBJECTIVE: Green River Formation
 CONTRACTOR: Pennant Service Company Rig #21
 ELEVATION: 5250' GR; 5262'KB
 SPUD: 4/30/88 (DHD); 5/2/88 (CORO)
 AFE NUMBER: 8897
 DRILLING AFE AMT: \$111,610
 COMPLETION AFE AMT: \$307,175
 TOTAL AFE AMOUNT: \$418,785

RECEIVED
 JUN 6 1988

DIVISION OF
 OIL, GAS & MINING

- 5-26-88 Day 1. Moved in Pennant Service Company Rig #21 w/pump & tank. RU and pick up casing scraper. RIH w/83 jts. SDFN. Daily cost \$70,920; CCC \$70,920
- 5-27-88 Day 2. Finish RIH w/casing scraper, tagged btm @ 5532'. NU BOP's, circ hole w/treated KCL. POOH w/tubing & scraper. RU Oilwell Perforators and run bond log. Good cement to 2800'. Estimate cement top @ 1505'. Test BOP to 5000#. RIH w/4" casing guns and perforate 5427'- 30', 5435'- 40'. RD Oilwell Perforators and SDFN. Today's Operation: Frac F₂ with Dowell. Daily cost \$4,665; CCC \$75,585
- 5-31-88 Day 3. Flow back after frac. Heated frac fluid to 100°, moved in Dowell & RU for frac, frac'd F₂ Sand (5427-30, 5435-40) as follows:

<u>Rate</u>	<u>CP</u>	<u>Vol.</u>	<u>Event</u>
9	1520	10	Breaking dn perfs
30	2220	35	Perfs broke
-	460	-	Shut dn ISIP 925, ISIP 1213
30	1794	119	Start pad, 5 min. @ 934
30	2028	156	Start sand ramp, 10 min. @ 842
30	1800	195	Ramp, 15 min. @ 801
35	1776	236	1
35	1350	278	to
35	1231	322	8
35	1149	367	11
35	1016	414	sand
35	1050	458	Start flush
-	1900	583	Shut Down

Frac grad. 0.61, Max press. 2220 psi, total sand 54,000#, total fluid 22,260 gal. Well SI for 3 day weekend. Daily cost \$19,540; CCC \$95,125

- 6-1-88 Day 4. Check pressures: CP = 0. RIH w/SN on 2-7/8" tubing to 5363'. RU to swab. Swabbed to 900'. Could not get swab below 950' (thick oil coating the inside of the tubing). Ran sinker bars to bottom, ran swab and still could not get below 950'. POOH. NU Baker RBP & RIH. Set & test RBP @ 5351'. SDFN. Today's Operation: POOH. Perf & frac E₂ sand. Daily cost \$5,850; CCC \$100,975

Natural Gas
Corporation of
California

RECEIVED
JUN 16 1988

DIVISION OF
OIL, GAS & MINING

June 14, 1988

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

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

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

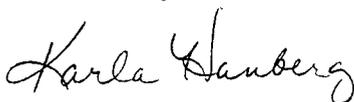
Re: NGC #23-9-H Federal
NE/SW Sec. 9, T9S, R17E
Duchesne County, Utah

Gentlemen:

Attached are copies of Form 3160-5, "Sundry Notices and Reports on Wells",
Weekly Status Report for the subject well.

If you have any questions, please contact the Vernal office.

Sincerely,



Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado
L. Jorgensen
W. G. Paulsell
B. Hill
H. Culp

**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-50750

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 into a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Natural Gas Corporation of California</p> <p>3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2089' FWL, 2102' FSL, NE SW</p> <p>14. PERMIT NO. 43-013-31206</p>	<p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Federal</p> <p>9. WELL NO. 23-9-H</p> <p>10. FIELD AND POOL, OR WILDCAT Monument Butte</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T9S, R17E</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5250' GR</p>	

RECEIVED
 JUN 16 1988
 DIVISION OF OIL, GAS & MINING

18. 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) <u>Weekly Status Report</u> <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 Weekly Status Report from June 4 through June 10, 1988.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	
IMPROV	
3-FILE	

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE June 14, 1988
 Karla Hanberg

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

6-4-88

Day 7. POOH. RU Oil Well Perforators & perf 5000'-5009' (4 SPF, 90° phasing) w/4" casing guns. RU Dowell & frac as follows:
VOL

Rate	CP	BBLs	Event	
20	1950	42	Pad	
20	1900	95	Start 1/2# 100 mesh	
20	1918	119	1# 100 mesh	
20	1932	143	1# 20/40	
20	1909	168	2# 20/40	
20	1877	194	3# 20/40	ISIP = 1580
20	1763	221	4# 20/40	5 min = 1419
25	1868	228	Increased rate	10 min = 1360
25	1799	249	5# 20/40	15 min = 1323
25	1703	278	6# 20/40	
25	1590	308	7# 20/40	
25	1415	340	8# 20/40	
25	1330	372	Start clearing lines	
25	1340	385	Flush	
-	2300	501	Shut down	

Total sand = 36,000 lbs; total fluid = 19,530 gals (Versagel).

SION. Daily cost \$15,185; CCC \$149,200

6-5-88

Day 8. Check pressures: Casing = 700 psi. Opened well on 8/64" choke. Bled to 200 psi in 1-1/4 hrs. Put on 16/64" choke. Bled to 0 psi in 1-1/4 hrs. RIH w/tubing and tag sand @ 5075'. Wash down to RBP @ 5097' & circ hole clean. Move RBP. Set & test @ 4924'. POOH. RU Oil Well Perforators and perf 4765'-70', 4779'-83', 4832'-37', 4839'-43' w/4" casing guns (4 SPF, 90° phasing). SDFN. Daily cost \$7,375; CCC \$156,575

6-6-88

Day 9. RIH w/PKR & set @ 4806'. Pump down tubing and break down perfs 4832'-37', 4839'-43'; pump down casing and break down perfs 4765'-70' & 4779'-83'. Unseat PKR and POOH. RU Dowell & frac as follows:

Rate	CP	BBLs	Event	
40	2481	75	Pad	
40	2463	143	Start 1/2# 100 mesh	
40	2449	190	1# 100 mesh	
40	2435	238	Start 1# 20/40	
40	2403	313	2# 20/40	ISIP = 1985
40	2280	391	3# 20/40	5 min = 1790
40	2133	472	4# 20/40	10 min = 1721
40	2037	556	5# 20/40	15 min = 1684
40	1955	644	6# 20/40	
40	1836	734	7# 20/40	
40	1744	829	8# 20/40	
40	1980	931	Start flush	
-	2680	1041	Shut down	

Total sand = 108,000#; Total fluid = 39,200 gals (Versagel).

SION. Today's Operator: Flow back after frac - D Sands. Daily cost \$27,070; CCC \$183,645

6-7-88

Day 10. Check pressures: Casing = 300 psi. Opened well on 8/64" choke. Bled to 100 psi in 3/4 hr. Put on 16/64" choke. Bled to 0 psi in 1/4 hr. RIH w/tubing and tag sand @ 4881'. Wash down to RBP @ 4924'. Move RBP. Set & test @ 4702'. POOH. RU Oil Well Perforators and perf 4552'-58', 4594'-4610' w/4" casing guns (4 SPF, 90° phasing). RIH w/PKR & set @ 4582'. Pump down tubing and break down perfs @ 2800 psi. Pump down casing and break down perfs @ 2200 psi. Unseat PKR & start POOH. SDFN. Today's Operation: Frac DC₂ and DC₄ Sands. Daily cost \$7,280; CCC \$190,925

6-8-88

Day 11 Finish POH, RU Dowell and frac Sands as follows:

<u>Rate</u>	<u>CP</u>	<u>BBLS</u>	<u>Event</u>
40	1722	80	Pad
40	1758	190	Start 1/2# 100 mesh
40	1772	238	1# 100 mesh
40	1758	286	Start 1# 20/40
40	1722	348	2# ISIP= 1680
40	1690	413	3# 5 min.= 1484
40	1763	480	4# 10 min. = 1378
45	1650	490	Increase rate 15 min. = 1301
45	1680	551	Start 5# 20/40
45	1539	624	6# Frac grad = .71
45	1442	699	7#
45	1388	778	8#
40	1700	871	Start flush
35	2100	977	Shut down

Total sand = 90,000lbs.; total fluid = 37,170 gals. Shut well in until morning. Daily cost \$23,980; CCC \$214,905

6-9-88

Day 12. Casing Pressure = 0 psi. Open well to atmosphere. Well dead. PU BP/retrieving tool, TIH to 4673' & tagged sand. RU & wash to top of RBP @ 4702'. Unseat RBP & POOH. RU and TIH w/notched collar, 1 jt 2-7/8" tubing, SN, 187 jts tubing. Tagged sand @ 5450'. RU & washed RBTD @ 5533'. Layed 4 jts & landed tbg @ 5416'KB, SN @ 5384'. RD BOP & NU tree. No donut in tubinghead. SION. Daily cost \$2,872; CCC \$207,672

6-10-88

Day 13. Casing Pressure = 10#, Tubing = 0#. RIH w/swab. Fluid level @ surface. Made two runs. Unable to get swab past 1500'. RIH w/sinker bars, still unable to get swab past 1500'. RU hot oil truck & flush tubing w/100 bbls 3% KCL water. RIH w/swab. Still unable to get past 1500'. RIH w/wax cutter to 4800'. RIH w/swab. Still can't get down w/swab. Prep to run rods and SION. Daily cost \$1,983; CCC \$209,655

*Natural Gas
Corporation of
California*

RECEIVED
JUN 23 1988

DIVISION OF
OIL, GAS & MINING

June 17, 1988

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

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

Mr. Keith Ebner
Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910

Re: NGC #23-9-H Federal
NE/SW Sec. 9, T9S, R17E
Duchesne County, Utah

Gentlemen:

Attached are copies of Form 3160-5, "Sundry Notices and Reports on Wells",
Weekly Status Report for the subject well.

If you have any questions, please contact the Vernal office.

Sincerely,

Karla Hanberg

Karla Hanberg
Office Supervisor

Attachment

cc: S. Furtado
L. Jorgensen
W. G. Paulsell
B. Hill
H. Culp

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-50750

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 wells or to install or alter casing.
Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
JUN 23 1988

1. OIL WELL GAS WELL OTHER

UNIT AGREEMENT NAME

2. NAME OF OPERATOR
Natural Gas Corporation of California

8. FARM OR LEASE NAME
Federal

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

DIVISION OF
OIL, GAS & MINING

9. WELL NO.
23-9-H

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

10. FIELD AND POOL, OR WILDCAT
Monument Butte

2089' FWL, 2102' FSL, NE SW

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

14. PERMIT NO.
43-013-31206

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5250' GR

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

18. 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) Weekly Status Report

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.)*

Attached is the Weekly Status Report from June 13 through June 17, 1988.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	↘
MICROFILM ✓	
2 FILE	

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE June 17, 1988
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 #23-9-H cont'd ...

6-13-88 Day 14. Flush tubing w/70 bbls of 3% KCL water @ 260°F. PU new Axelson rod pump #NC11 and RIH W/rod string. Hang off rods and pressure check pump to 1100#. Held OK. RD & Move out completion rig. Daily cost \$1,280; CCC \$210,935

6-14-88 Day 15. Prep to install surface production equipment. CCC \$210,935

6-15-88 Prep to install surface production equipment. CCC \$210,935

6-17-88 Set production tank from #13-9-H. Install walkway & stairs. Set line heater & heater/treater. Daily cost \$1,973; CCC \$218,758

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-50750	
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 2089' FWL, 2102' FSL, NE/SW		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-31206		9. WELL NO. 23-9-H	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5250' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T9S, R17E	
		12. COUNTY OR PARISH DuChesne	13. STATE Utah

RECEIVED
JUL 18 1988
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) Site Security Plan <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 Site Security Plan diagram for the subject well.

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE July 15, 1988

Karla Hanberg

(This space for Federal or State office use)

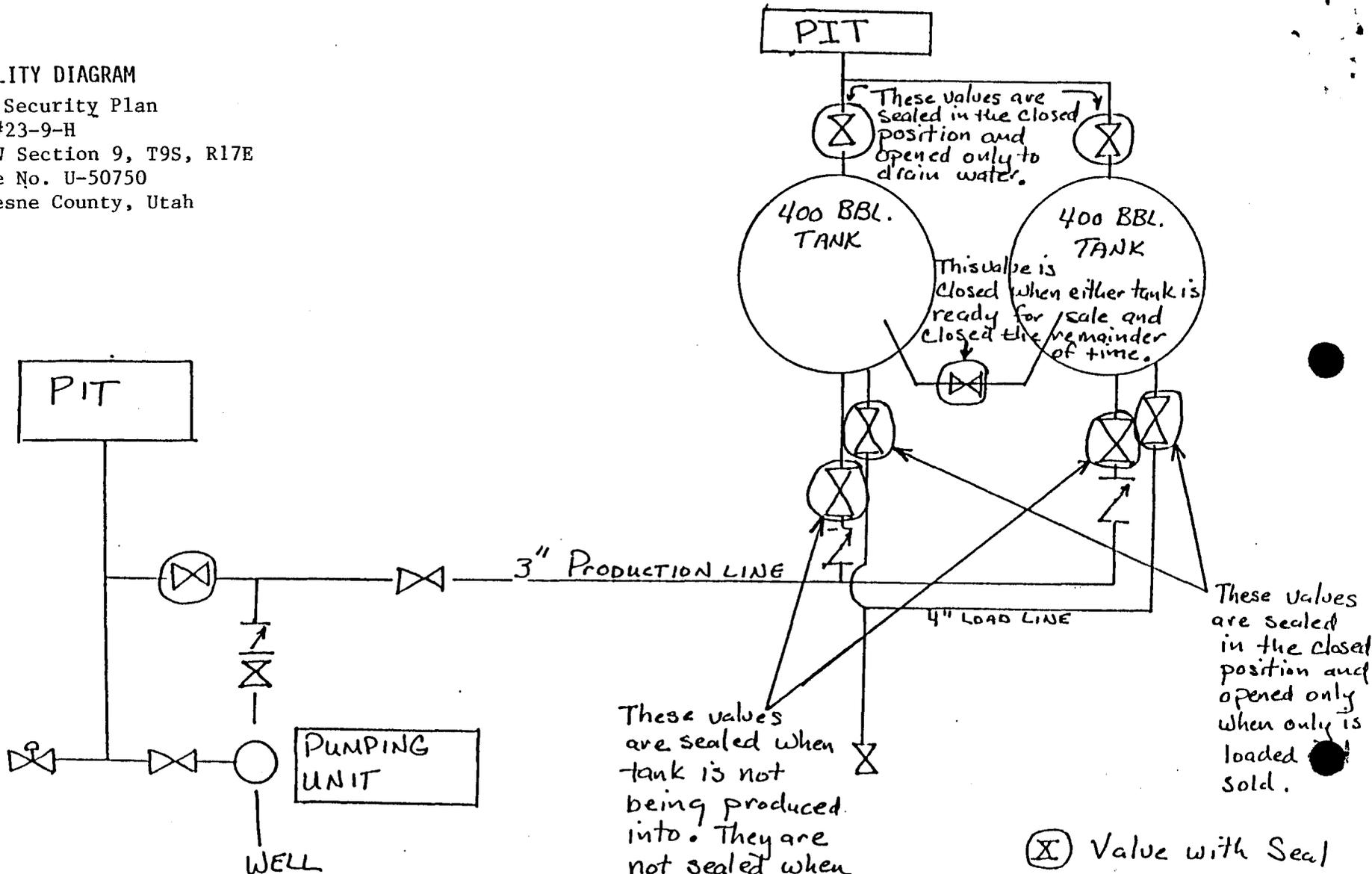
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

copies: WGPauzell; SFurtado; LJorgensen; Bhill; Chorney; Div. OG&M

*See Instructions on Reverse Side

FACILITY DIAGRAM

Site Security Plan
 NGC #23-9-H
 NE/SW Section 9, T9S, R17E
 Lease No. U-50750
 Duchesne County, Utah



These valves are sealed in the closed position and opened only to drain water.

This valve is closed when either tank is ready for sale and closed the remainder of time.

These valves are sealed in the closed position and opened only when only is loaded and sold.

These valves are sealed when tank is not being produced into. They are not sealed when valve is open and tank is being produced into.

- (X) Value with Seal
- X Value with no Seal
- ∇ Check Valve
- XO BACK PRESSURE VALVE

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 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
2089' FWL, 2102' FSL, NE SW

14. PERMIT NO. 43-013-31206

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5250' GR

5. LEASE DESIGNATION AND SERIAL NO.
U-50750

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
23-9-H

10. FIELD AND POOL, OR WILDCAT
Monument Butte

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

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

18. 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) Venting of Natural Gas <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.)*

Operator requests an extension of 90 days for the venting of natural gas. The well is presently venting approximately 185 MCFD (about 2 MCF/BBL).

Our plans are to connect the well to Amsel's gathering system (now operated by Triangle Control Systems) which is now in operation and we expect them to tie-in this well in the near future.

AS
RWM
file

Copies: Div. OG&M; Chorney; WGPaulsell; SFurtado; LJorgensen; Bhill; HCulp

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

SIGNED Mike McMican TITLE Petroleum Engineer DATE July 26, 1988
Michael L. McMican

(This space for Federal or State office use)

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

DATE 8-8-88
BY [Signature]

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE*
(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"/>		RECEIVED OCT 21 1988 DIVISION OF OIL, GAS & MINING	5. LEASE DESIGNATION AND SERIAL NO. U-50750
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 2089' FWL, 2102' FSL NE/SW			8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-013-31206	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5250' GR	9. WELL NO. 23-9-H	10. FIELD AND POOL, OR WILDCAT Monument Butte
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9, T9S, R17E.	12. COUNTY OR PARISH Duchesne
			13. STATE Utah

18. 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) NTL-2B	<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.)*

Operator proposes construction of a surface pit to be used for water disposal. The pit will be 20' square at surface with 1:1 slopes, 5' deep and 10' square at bottom, fenced and bermed. The well has been averaging less than one barrel of water per day.

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 hours.

Copies: Div. OG&M; Chorney; WPaulsell; B Hill; SFurtado; LJorgensen; HCulp

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

SIGNED Michael L. McMican TITLE Petroleum Engineer DATE 10/18/88
(This space for Federal or State office use)

Accepted by the State
of Utah Division of
Oil, Gas and Mining
Date: 11-1-88
By: [Signature]

APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:
 Federal Approval of this
 Action is Necessary
 *See Instructions on Reverse Side

*Natural Gas
Corporation of
California*

RECEIVED
JAN 10 1989

January 17, 1989

DIVISION OF
OIL, GAS & MINING

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

Ralph E. Davis Associates
3555 Timmons Lane, Suite 1517
Houston, TX 77027
Attention: James A. Simmons

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

Chorney Oil Company
555 17th Street, Suite 1000
Denver, CO 80202-3910
Attention: Keith Ebner

Re: NGC #23-9-H Federal
NE SW Section 9, T9S, R17E
Duchesne County, Utah

Gentlemen:

Attached is a final copy of the "Geological Wellsite Report" for the subject well.

If you have any questions, please contact the Vernal office.

Sincerely,

Karla Hanberg

Karla Hanberg
Office Supervisor

Attachment

cc: Vernal Well File
Paul Schnurr/Well File

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

5. LEASE DESIGNATION AND SERIAL NO

U-50750

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

23-9-H

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Sec. 9, T9S, R17E

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

2089' FWL, 2102' FSL NE/SW

RECEIVED
 APR 17 1989
 DIVISION OF
 OIL, GAS & MINING

14. PERMIT NO.

43-013-31206

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

5250' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) NTL-2B

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

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.)*

Attached is the water analysis requested by Ralph Brown of the Vernal BLM office for consideration of our NTL-2B request.

Copies: Div. OG&M; B Hill; S Goodrich

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

SIGNED Michael L. McMican

TITLE Petroleum Engineer

DATE April 12, 1989

(This space for Federal or State office use)

APPROVED BY _____
 CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

*See Instructions on Reverse Side



P.O. BOX 1532

ROOSEVELT, UTAH 84066

OFFICE: (801) 722-3693

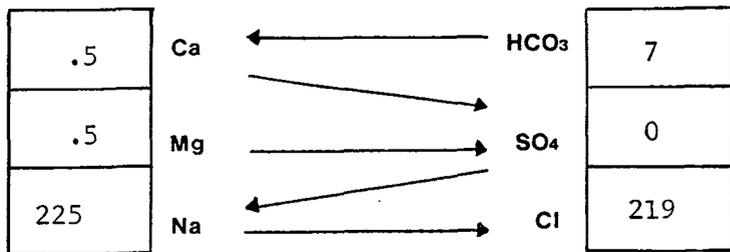
WATER ANALYSIS REPORT

COMPANY N.G.C. CORP. ADDRESS _____ DATE: 4-10-89
 SOURCE 23--9H DATE SAMPLED 4-10-89 ANALYSIS NO. _____

Analysis	Mg/L (ppm)	*Meq/L
1. pH	<u>8.6</u>	
2. H ₂ S (Qualitative)	<u>0</u>	
3. Specific Gravity	<u>1.008</u>	
4. Dissolved Solids	<u>13,419</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count <u>CI</u> C/MI		
7. (Methyl Orange) Alkalinty (HCO ₃)	<u>360</u>	
8. Bicarbonate (HCO ₃)	<u>439</u>	<u>+61</u> <u>7</u> HCO ₃
9. Chlorides (Cl)	<u>7788</u>	<u>+35.5</u> <u>219</u> Cl
10. Sulfates (SO ₄)	<u>0</u>	<u>+48</u> <u>0</u> SO ₄
11. Calcium (Ca)	<u>12</u>	<u>+20</u> <u>.5</u> Ca
12. Magnesium (Mg)	<u>5</u>	<u>+12.2</u> <u>.5</u> Mg
13. Total Hardness (CaCO ₃)	<u>50</u>	
14. Total Iron (Fe)	<u>8.5</u>	
15. Barium (Ba)		
16. Phosphate Residuals	<u>0</u>	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meq/L	=	Mg/L
Ca (HCO ₃) ₂	81.04		.5		41
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		.5		37
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		6		504
Na SO ₄	71.03				
Na Cl	58.46		219		12,803

Saturation Values

Ca CO ₃	13 Mg/L
Ca SO ₄ · 2H ₂ O	2,090 Mg/L
Mg CO ₃	103 Mg/L

Distilled Water 20°C

REMARKS _____



UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. • (801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• NATURAL GAS CORP OF CA
85 SOUTH 200 EAST
VERNAL UT 84078
ATTN: PROD. ACCOUNTING

Utah Account No. N0700

Report Period (Month/Year) 5 / 89

Amended Report

Well Name	Producing Zone	Days Oper	Production Volume		
API Number Entity Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
NGC 23-23 FEDERAL					
4304731169 06160 09S 17E 23	GRRV				
FEDERAL 32-29					
4304731175 06170 09S 18E 29	GRRV				
NGC 24-9H FEDERAL					
4301330682 06175 09S 17E 9	GRRV				
FEDERAL 13-9H					
4301330656 06185 09S 17E 9	GRRV				
PTS 33-36 STATE					
4301330486 06190 11S 14E 36	WSTC				
FEDERAL 31-20					
4304731433 06196 08S 22E 20	GRRV				
FEDERAL 12-9-H					
4301330983 09830 09S 17E 9	GRRV				
FEDERAL NGC #22-9-H					
4301331049 10065 09S 17E 9	GRRV				
FEDERAL #41-5-G					
4301331205 10859 09S 16E 5	GRRV	Conf.			
FEDERAL 23-9-H					
4301331206 10868 09S 17E 9	GRRV				
FEDERAL 24-33-B					
4301331214 10913 08S 16E 33	GRRV	Conf.			
TOTAL					

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N0595

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					✓	1130096	(wells draw GRRV Unit)
	4301331205	10859 09S 16E 5	GRRV					
✓	FEDERAL 23-9-H					✓	1150750	
	4301331206	10868 09S 17E 9	GRRV					
✓	FEDERAL 24-33-B					✓	1149092	(wells draw GRRV Unit)
	4301331214	10913 08S 16E 33	GRRV					
✓	FEDERAL 31-4-G					✓	1130096	(wells draw GRRV Unit)
	4301331228	10979 09S 16E 4	GRRV					
✓	FEDERAL 14-34-B					✓	1147171	(wells draw GRRV Unit)
	4301331225	10980 08S 16E 34	GRRV					
✓	FEDERAL 14-33-B					✓	1149092	(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					✓	1147171	(wells draw GRRV Unit)
	4301331241	11041 08S 16E 34	GRRV					
✓	FEDERAL 11-4-G					✓	1130096	(wells draw GRRV Unit)
	4301331250	11046 09S 16E 4	GRRV					
✓	FEDERAL 23-33-B					✓	1149092	(wells draw GRRV Unit)
	4301331251	11047 08S 16E 33	GRRV					
✓	FEDERAL 31-5-G					✓	1130096	(wells draw GRRV Unit)
	4301331252	11054 09S 16E 5	GRRV					
✓	FEDERAL 34-33-B					✓	1149092	(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: _____

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", is written over a horizontal line.

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

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

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

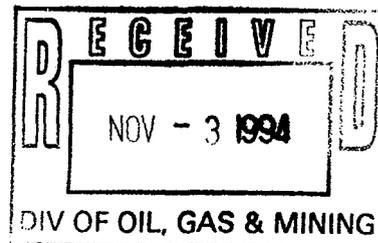
DALEN Resources
Oil & Gas Co.



October 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

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 CARDOUR	From	CHRIS MERRITT
Co.	STATE OF UTAH	Co.	BLM
Dept.	OIL & GAS	Phone #	539-4189
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-034217A *Confirmed Btm/SL
11-29-94. Lee

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	SEC/GTL
2	LWP 7-PL
3	DPS 8-SJ
4	YLC 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 (<u>214</u>) <u>750-3800</u>		phone (<u>214</u>) <u>750-3800</u>
	account no. <u>N3300 (11-29-94)</u>		account no. <u>N0595</u>

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

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

Name: **SEE ATTACHED**	API: <u>013-31206</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

- Yes 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)*
- Yes 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)*
- Yes 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.
- Yes 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.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(11-29-94)*
- Yes 6. Cardex file has been updated for each well listed above. *12-7-94*
- Yes 7. Well file labels have been updated for each well listed above. *12-8-94*
- Yes 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)*
- Yes 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 Delen" rec'd 10-3-94. *Trust Land/Ed "Rider" Appr. 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.
- Yes 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) _____. 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.
- Yes 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 Bhm/S.Y. Not appr. yet!
 941125 " Appr.'d.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

EGFV
FEB - 8 1995

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-50750

6. If Indian, Allottee or Tribe Name

NA

SUBMIT IN TRIPLICATE

1. Type of Well

- Oil Well Gas Well Other

2. Name of Operator

DALEN Resources Oil & Gas Co.

3. Address and Telephone No.

6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

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

2089' FWL & 2102' FSL
Section 9, T9S-R17E NE/4 SW/4

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Federal 23-9H

9. API Well No.

43-013-31206

10. Field and Pool, or Exploratory Area

Pleasant Valley

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>Add perforations</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 Completion or Recompletion Report and Log from.)</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.)*

DALEN Resources requests approval to add perforations in the Middle A & Lower A sections of the Green River formation as shown on the attached procedure.

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

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

Signed Cindy B. Deuster Title Supervisor Regulatory Compliance Date 02/06/1995

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

**LOGS RUN: WELEX OPEN HOLE: DIL-SFL, FDC-CNL
OWP CASED HOLE: CBL**

PROCEDURE:

1. NOTIFY BLM 24 HRS IN ADVANCE OF RU (ED FORESMAN, VERNAL OFFICE, 801-789-1362).
2. MIRU W/S UNIT.
3. POH W/R & P.
4. INSTALL 5000# DOUBLE BOP'S.
5. POH W/2-7/8" TBG.
6. RUN MILLER MODEL "C"RBP (TBG RET) ON EL; SET AT 4300'; TEST TO ~~2500~~ ⁴⁰⁰⁰ PSI; DUMP BAIL 2 SX SAND ON BP STINGER.
7. HES PERF MIDDLE "A" AND LOWER "A" SANDS AS FOLLOWS W/4" CSG GUN, .42" DIAM HOLE, 22 GM CHG, 20" TTP BEREAS:

MIDDLE "A":

4026'/34'	8'	1 S/F	90° ϕ	9 HOLES
4048'/55'	7'	1 S/F	90° ϕ	8 HOLES

LOWER "A":

4098'/4112'	14'	1 S/F	90° ϕ	<u>15 HOLES</u>
-------------	-----	-------	------------	-----------------

TOTAL 32 HOLES

8. RU D/S VERNAL AND TREAT "A" SAND PERFS 4026'/4112' INT (32 HOLES) W/20,000 35# XL BORATE GEL AND 24,000 # 16/30 OTTAWA SAND AND TAIL-IN W/12,000 # 16/30 SANTROL CURABLE RC SAND AS FOLLOWS:

- * ELY ENGINEER QC ALL FLUIDS AND PROPPANTS.
- * R/UP FLOWBACK LINE FOR FC (USE RATE MTR AND ADJ CK).
- * D/S TEST SURF LINES TO 5000 PSI.
- * TRT DOWN CSG AT 35 BPM X EST. 2300 PSI, MX P = 4200 PSI.

USE 50 BPS IN RETM

AS HOLE
OF WELL
- SCG

FRAC TREATMENT SCHEDULE

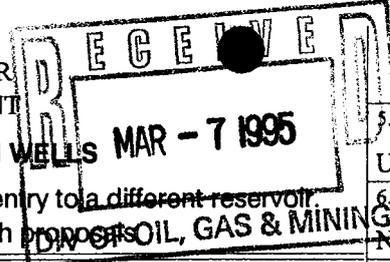
<u>ITEM</u>	<u>VOL.</u>	<u>FLUID</u>	<u>SD</u>
PRE-PAD	5,000 g	LINEAR BORATE GEL	---
PAD	10,000 g	35# XL BORATE GEL	---
STAGE 1	2,000 g	35# XL BORATE GEL	2 PPG OTTAWA 16/30 SD
STAGE 2	5,000 g	35# XL BORATE GEL	4 PPG OTTAWA 16/30 SD
STAGE 3	2,000 g	35# XL BORATE GEL	6 PPG OTTAWA 16/30 CUR RC SD
FLUSH	4,900 g	LINEAR BORATE GEL	
TOTAL	<u>28,900 g</u>	TOTAL	<u>24,000 # 16/30 OTTAWA SD</u> <u>12,000 # 16/30 R/C SD</u>

- * USE DIESEL FOR FL ADDITIVE
- * HEAT FRAC FLUIDS TO 120°F PRIOR TO PUMPING JOB.

9. FORCE CLOSE WELL.
10. FLOWBACK AT 1 BPM.
11. RUN RET HD ON 2-7/8" TBG - RET RBP AT 4300' AND POH.
12. RUN 2-7/8" PROD TBG.
13. RD BOP'S.
14. N/U WHD.
15. RUN R & P.
16. POP AND TEST.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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



SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No. U-50750
6. If Indian, Allottee or Tribe Name NA
7. If Unit or CA, Agreement Designation NA
8. Well Name and No. Federal 23-9H
9. API Well No. 43-013-31206
10. Field and Pool, or Exploratory Area Pleasant Valley
11. County or Parish, State Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other
 2. Name of Operator
 DALEN Resources Oil & Gas Co.
 3. Address and Telephone No.
 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206
 4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
 2089' FWL & 2102' FSL
 Section 9, T9S-R17E NE/4 SW/4

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 checked="" 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>Add perforations</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 Completion or Recompletion Report and Log from.)</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.)*

DALEN Resources added perforations from 4026' - 4055' in the Middle A & from 4098' - 4112' in the Lower A sections of the Green River formation as shown on the attached report.

14. I hereby certify that the foregoing is true and correct
 Signed [Signature] Title Supervisor Regulatory Compliance Date 03/01/1995

(This space for Federal or State office use)
 Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

CC: UTAH DOGM

WELL HISTORY

Federal 23-9H

Pleasant Valley Prospect
Duchesne County, Utah
(DALEN Resources Operated)

- 02-04-95 MIRU Western W/S. Unseat pump and flushed rods with 20 bbls hot water. POOH with rods and pump. Install 5,000 psi double BOP. POOH with 2-7/8" tbg. SDFN.
- 02-05-95 HES ran 4.6" gauge ring with junk basket to 4,550, no tight spots. Ran and set miller RBP on WL at 4,300'. Dump bail 2 sks sand on BP stinger. HES perf lower "A" sand 4,098' - 4,112', 15 holes; and missile "A" sand 4,048-55', 8 holes, 4,026-34', 7 holes using 4" csg gun - 0.42" diam hole, 22 gm chg, 90° phasing. 20" TIP Berea (well stayed static).
- 02-06-95 Prepare to frac Missile "A" and lower "A" sands, scheduled for Tuesday morning, heated frac fluid to 120° F gelling fluids.
- 02-07-95 RU D/S and gel up 100 bbls frac fluid, QC and tested by Ely Engineer. Held safety meeting. Treated Missile "A" perms, 4,026-34' and 4,048-55', lower "A" perms, 4,098' - 4,112', total 32 holes down 5-1/2" csg using 24,000 gals 35 lb XLC borate gel and 24,000 lbs 16/30 mesh Ottawa sand and tail-in with 12,000 lb 16/30 mesh Santrol curable KC sand. (Test surface lines to 5,000 psi) Pre treated perms with 1,000 gals 3% filtered KCl water (heated to 120° F) plus 50 ball sealers treated at 15 BLM at 1,775 psi (balled off to 4,200 psi). Surged balls off, wait 30 mins and started pre-pad for frac job. ISIP 1,980 psi, max psi 2,350, avg rate 35 BPM, max rate 35 BPM. Flow back for force closure at 1 BPM for 60 bbl, continue flowing back 200 bbls at 1- 1-1/2 BPM. Final csg press 600 psi, SWI. 565 bbls to recover.
- 02-08-95 SICP 600 psi, bleed off press and RU to TIH, RIH with Miller Retrieving over shot, displace csg with 3% filtered KCl water. Wash off sand from BP stinger. Latch BP and. POOH. Ran 2-7/8" prod string with notch collar at 5,430', seat nipple at 5,398' and tbg anchor at 3,995'. RD BOP, set tbg anchor, land tbg. RIH with rod string and insert pump and test to 500 psi, OK. POP. RR. FINAL REPORT.
- 02-13-95 24 hrs production, 37 BO, 63 BLW.
- 02-14-95 24 hrs production, 70 BO, 32 BLW.

WELL HISTORY

Federal 23-9H
Pleasant Valley Prospect
Duchesne County, Utah
(DALEN Resources Operated)

02-14-95 24 hrs, 52 BO, 85 BLW.

02-15-95 0 BO, 15 BW.

02-16-95 23 hrs, 2 BO, 100 BW.

02-17-95 26 hrs, 37 BO, 30 BW.

**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

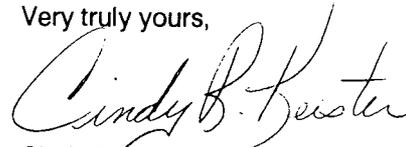
RE: Operator Name Change

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

UTAH WELLS
ENSERCH EXPLORATION, INC.

1/11/96

UNIT	WELL		LSE NO.	API NO.	QTR	SEC.	TWN	RANGE	COUNTY
**	Federal	21- 9H	U-50750	✓43-013-31458	NE NW	9	9S	17E	Duchesne
**	Federal	22- 9H	U-50750	✓43-013-31049	SE NW	9	9S	17E	Duchesne
***	Federal	23- 9H	U-50750	✓43-013-31206	NE SW	9	9S	17E	Duchesne
**	Federal	24- 9H	U-50750	✓43-013-30682	SE SW	9	9S	17E	Duchesne
**	Federal	33- 9H	U-61052	✓43-013-31108	NW SE	9	9S	17E	Duchesne
	Federal	19- 1	U-13905	✓43-013-30563	NW NW	19	9S	17E	Duchesne
	Govt. Fowler	20- 1	U-13905	✓43-013-30563	NW NW	20	9S	17E	Duchesne
	Federal	41- 30H	U-11385	✓43-013-30601	NE NE	30	9S	17E	Duchesne
	Federal	21- 15H	U-11385	✓43-013-30614	NE NW	15	9S	17E	Duchesne
***	Federal	3- 24B	UTU-68625	✓43-047-32671	NE NW	24	9S	19E	Uintah
***	Federal	5- 24B	UTU-68625	✓43-047-32447	SW NW	24	9S	19E	Uintah
***	Federal	11- 24B	UTU-68625	✓43-047-32223	NE SW	24	9S	19E	Uintah
***	Federal	13- 24B	UTU-68625	✓43-047-32418	SW SW	24	9S	19E	Uintah
***	Federal	15- 24B	UTU-68625	✓43-047-32420	SW SE	24	9S	19E	Uintah
***	Federal	3- 25B	UTU-	✓43-047-32417		25	9S	19E	Uintah
***	Federal	7- 25B	UTU-	✓43-047-30406		25	9S	19E	Uintah
✓***	Federal	1- 26B	UTU-68625	43-047-32248	NE NE	26	9S	19E	Uintah
***	Federal	13- 26B	UTU-68625	✓43-047-32237	SW SW	26	9S	19E	Uintah
	Federal	41- 29I	U-19267	✓43-047-32495	NE NE	29	9S	18E	Uintah
	Federal	33- 18J	U-16544	✓43-047-31200	NW SE	18	9S	19E	Uintah
	Federal	24- 34D	U-58546	✓43-047-31637	SE SW	34	8S	18E	Uintah
	State	2- 32B	ML-45172	✓43-047-32221	NW NE	32	9S	18E	Uintah
	State	5- 36B	ML-45173	✓43-047-32224	SW NW	36	9S	19E	Uintah
	State	9- 36A	ML-45171	✓43-047-32225	NE SE	36	9S	19E	Uintah
	State	9- 36B	ML-45173	✓43-047-32249	NE SE	36	9S	19E	Uintah
	State	31- 32D	ML-22058	✓43-047-32479	NW NE	32	8S	18E	Uintah
	State	1-16	ML-46694	✓43-013-15582	SW SW	16	9S	17E	Duchesne

30587

610

32500

S6W

- * Wells Draw Unit BLM Unit No. UTU72613A
- ** Pleasant Valley Unit BLM Unit No. UTU74477X
- *** West Willow Creek Unit BLM Unit No. UTU73218X

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.
Secretary of State

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

FILED In the Office of the Secretary of State of Texas DEC 19 1995 Corporations Section

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.
Secretary of State

MAC

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

(MERGER)

Routing:

1- LAC / CHS
2- DYS/BI - FILM
3- VLD - FILE
4- RJF
5- LAC
6- SJ

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 (214) <u>987-6353</u>		phone (214) <u>987-6353</u>
	account no. <u>N4940 (1-29-96)</u>		account no. <u>N3300</u>

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

Name: ** SEE ATTACHED **	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

- Sec 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)*
- Sec 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)*
- Sec 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)
- Sec 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.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-12-96)*
- Sec 6. Cardex file has been updated for each well listed above. *(2-12-96)*
- Sec 7. Well file labels have been updated for each well listed above. *(2-12-96)*
- Sec 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)*
- Sec 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

- LC* 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~~) *Trust lands / Bond & Lease update in progress!*

- LC* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A* 2. A copy of this form has been placed in the new and former operators' bond files.
- 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. *OK 2/15/96*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

FILMING

WDL 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 Appr. eH. 12-31-95.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
UTU74477X

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
PLEASANT VALLEY UNIT

8. Well Name and No.
SEE BELOW

9. API Well No.
SEE BELOW

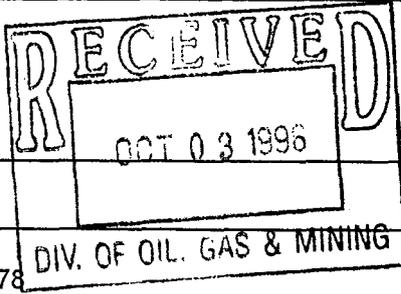
10. Field and Pool, or Exploratory Area

11. County or Parish, State
DUCHESNE, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other



2. Name of Operator

ENSERCH EXPLORATION, INC.

3. Address and Telephone No.

85 SOUTH 200 EAST, VERNAL, UT 84078

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

SEE BELOW

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

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

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

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

OPERATOR PROPOSES TO RECLAIM WATER DISPOSAL PITS AND INSTALL ABOVE GROUND TANKS ON WELLS LISTED BELOW. ALL PRODUCED WATER WILL THEN BE FILTERED AND INJECTED INTO OUR PVU WATERFLOOD PROJECT. ALL PITS WILL BE FREE OF HYDROCARBONS BEFORE BACKFILL OPERATIONS COMMENCE.

PVU 34-5-H	SW/SE SEC. 5, T9S, R17E	API #43-013-30721
PVU 12-8-H	SW/NW SEC. 8, T9S, R17E	API #43-013-30680
→ PVU 23-9-H	NE/SW SEC. 9, T9S, R17E	API #43-013-31206
PVU 12-9-H	SW/NW SEC. 9, T9S, R17E	API #43-013-30983
PVU 14-9-H	SW/SW SEC. 9, T9S, R17E	API #43-013-31459
PVU 41-8-H	NE/NE SEC. 8, T9S, R17E	API #43-013-30741
PVU 14-4-H	SW/SW SEC. 4, T9S, R17E	API #43-013-30671

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

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

Signed

[Signature]

Title PROD, SUPERVISOR

Date 10/01/96

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

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 API Number	Entity	Location	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 Drew 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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

5. Lease Designation and Serial No.
U-50750

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
Pleasant Valley Unit

8. Well Name and No.
Federal 23-9H

9. API Well No.
43-013-31206

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

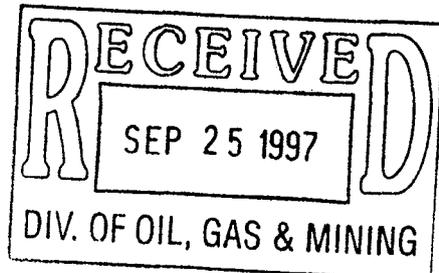
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
2089' FWL & 2102' FSL
Section 9, T9S-R17E NE/4 SW/4

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

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

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

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



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

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

Conditions of approval, if any:
 CC: UTAH DOGM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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)

2089' FWL & 2102' FSL
Section 9, T9S-R17E NE/4 SW/4

5. Lease Designation and Serial No.

U-50750

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Pleasant Valley Unit

8. Well Name and No.

Federal 23-9H

9. API Well No.

43-013-31206

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, Utah

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

TYPE OF SUBMISSION

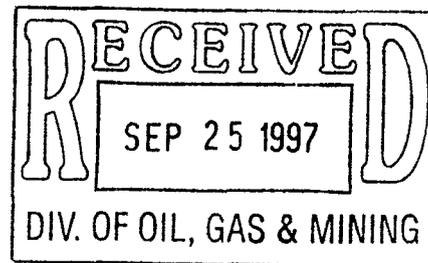
- Notice of Intent
- Subsequent Report
- Final Abandonment

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Change of Operator
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water
(Note Report results of multiple completion on Well)

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

Enserch Exploration Inc. has sold its interest in the PVU #23-9H 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

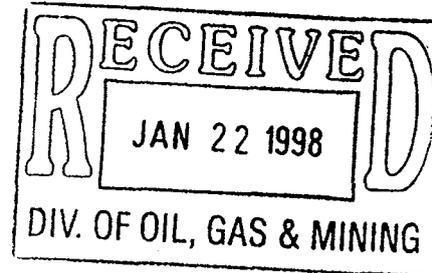
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO
UT-931

January 15, 1998

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

Re: Pleasant Valley (Green River) Unit
Duchesne County, Utah

Gentlemen:

Enserch Expl. Inc. /Blm mailing correction 1-22-98.
On January 14, 1998, we received an indenture dated September 1, 1997, whereby ~~Equitable Resources Energy Company~~ resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Pleasant Valley (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 15, 1998. 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 Pleasant Valley (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Pleasant Valley (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/ Robert A. Henricks

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 - Pleasant Valley (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-931:TAThompson:tt:1/15/98

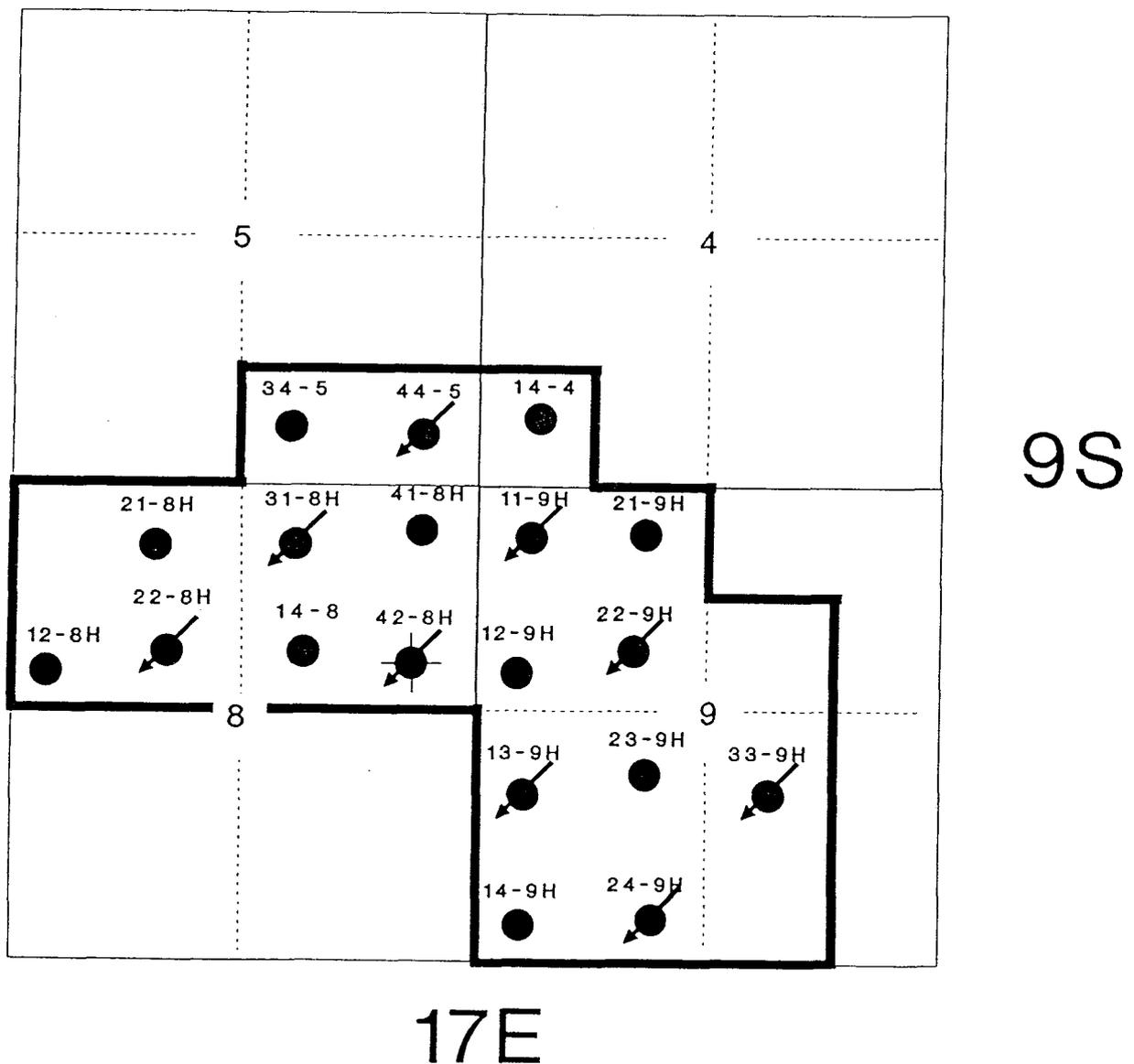
Well Status Report
Utah State Office
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU74477X								
UTU50750	4301330887	11-9-H FEDERAL	NWNW	9	T 9S	R17E	WIW	ENSERCH EXPLORATION INC
UTU10760	4301330680	12-8-H FEDERAL-NGC	SWNW	8	T 9S	R17E	POW	ENSERCH EXPLORATION INC
UTU50750	4301330983	12-9-H FEDERAL	SWNW	9	T 9S	R17E	POW	ENSERCH EXPLORATION INC
UTU50750	4301330656	13-9H FEDERAL	NWSW	9	T 9S	R17E	WIW	ENSERCH EXPLORATION INC
UTU7978	4301330671	14-4 PIUTE-FEDERAL	SWSW	4	T 9S	R17E	POW	ENSERCH EXPLORATION INC
UTU10760	4301330542	14-8 POMCO	SWNE	8	T 9S	R17E	OSI	ENSERCH EXPLORATION INC
UTU50750	4301331459	14-9H	SWSW	9	T 9S	R17E	POW	ENSERCH EXPLORATION INC
UTU10760	4301331460	21-8H	NENW	8	T 9S	R17E	POW	ENSERCH EXPLORATION INC
UTU50750	4301331458	21-9H	NENW	9	T 9S	R17E	POW	ENSERCH EXPLORATION INC
UTU10760	4301331457	22-8H	SENW	8	T 9S	R17E	WIW	ENSERCH EXPLORATION INC
UTU50750	4301331049	22-9H FEDERAL NGC	SENW	9	T 9S	R17E	WIW	ENSERCH EXPLORATION INC
UTU50750	4301331206	23-9-H FEDERAL	NESW	9	T 9S	R17E	POW	ENSERCH EXPLORATION INC
UTU50750	4301330682	24-9-H FEDERAL-NGC	SESW	9	T 9S	R17E	WIW	ENSERCH EXPLORATION INC
UTU10760	4301330679	31-8-H NGC	NWNE	8	T 9S	R17E	WIW	ENSERCH EXPLORATION INC
UTU61052	4301331108	33-9H FEDERAL	NWSE	9	T 9S	R17E	WIW	ENSERCH EXPLORATION INC
UTU72108	4301330721	34-5 ALLEN-FEDERAL	SWSE	5	T 9S	R17E	POW	ENSERCH EXPLORATION INC
UTU10760	4301330741	41-8-H NGC-FEDERAL	NENE	8	T 9S	R17E	POW	ENSERCH EXPLORATION INC
UTU10760	4301330678	42-8-H NGC	SENE	8	T 9S	R17E	ABD	ENSERCH EXPLORATION INC
UTU72108	4301330913	44-5 ALLEN FEDERAL	SESE	5	T 9S	R17E	WIW	ENSERCH EXPLORATION INC

PLEASANT VALLEY (GR) UNIT

Duchesne County, Utah

EFFECTIVE: SEPTEMBER 1, 1995



— UNIT OUTLINE (UTU74477X)

880.00 ACRES

SECONDARY ALLOCATION
FEDERAL 100.00%

INLAND PRODUCTION COMPANY
 PLEASANT VALLEY (GRRV) UNIT
 (N5160)

CURRENT ENTITY	NEW ENTITY	API NUMBER	WELL NO.	SEC-T-R	EFF. DATE
01215	12277	43-013-30671	14-4H	04-09S-17E	09-01-97
02041	"	43-013-30721	34-5H	05-09S-17E	"
06057	"	43-013-30542	32-8H	08-09S-17E	"
06085	"	43-013-30741	41-8H	08-09S-17E	"
06140	"	43-013-30680	12-8H	08-09S-17E	"
09830	"	43-013-30983	12-9-H	09-09S-17E	"
10868	"	43-013-31206	23-9-H	09-09S-17E	"
11676	"	43-013-31458	21-9H	09-09S-17E	"
11677	"	43-013-31459	14-9H	09-09S-17E	"
11687	"	43-013-31460	21-8H	08-09S-17E	"
02044	"	43-013-30913	44-5	05-09S-17E	"
06058	"	43-013-30887	11-9H	09-09S-17E	"
11675	"	43-013-31457	22-8H	08-09S-17E	"
10674	"	43-013-31108	33-9H	09-09S-17E	"
10065	"	43-013-31049	22-9H	09-09S-17E	"
06075	"	43-013-30679	31-8H	08-09S-17E	"
06080	"	43-013-30678	42-8H	08-09S-17E	"
06185	"	43-013-30656	13-9H	09-09S-17E	"
06175	"	43-013-30682	24-9H	09-09S-17E	"

OPERATOR CHANGE WORKSHEET

Routing:	
1- <u>HC</u>	6- <u>HC</u>
2- <u>GL</u>	7-KAS ✓
3-DTS ✓	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 COMPANY</u>	FROM: (old operator)	<u>ENSERCH EXPLORATION INC</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>6688 N CENTRAL EXP #1000</u>
	<u>ROOSEVELT UT 84066</u>		<u>DALLAS TX 75206-3922</u>
Phone:	<u>(801)722-5103</u>	Phone:	<u>(214)987-7859</u>
Account no.	<u>N5160</u>	Account no.	<u>N4940</u>

***PLEASANT VALLEY (GREEN RIVER) UNIT**

WELL(S) attach additional page if needed:

Name: **SEE ATTACHED**	API: <u>43-013-31206</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Y 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)*
- Y 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 9-25-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: _____
- Y 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal and Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- Y 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-22-98) XULC QuaHrc Pro E. DBASE 1-22-98.*
- Y 6. **Cardex** file has been updated for each well listed above. *(1-22-98)*
- Y 7. **Well file labels** have been updated for each well listed above. *(1-22-98)*
- Y 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-22-98)*
- Y 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

- lec 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.
** Operator req. that numbers remain as is until further notice. (1-22-98/Kebbre)*
- N/A lec 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.
** all wells to entity 12277 1-30-98 eff. 9-1-97; op. req. e. reviewed.*

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A lec 1. (r649-3-1) 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 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.
1/27/98
- 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

- N/A 1. All attachments to this form have been **microfilmed**. Today's date: 3.2.98.

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

980122 BLM/SL Aprv. eff. 1-15-98.

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-50750

6. If Indian, Allottee or Tribe Name
NA

7. If Unit or CA, Agreement Designation
PLEASANT VALLEY

8. Well Name and No.
FEDERAL 23-9-H

9. API Well No.
43-013-31206

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)

2102 FSL 2089 FWL NE/SW Section 9, T09S R17E

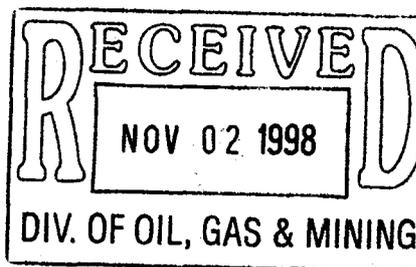
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <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 directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.



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

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

10/28/98

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

CC: UTAH DOGM

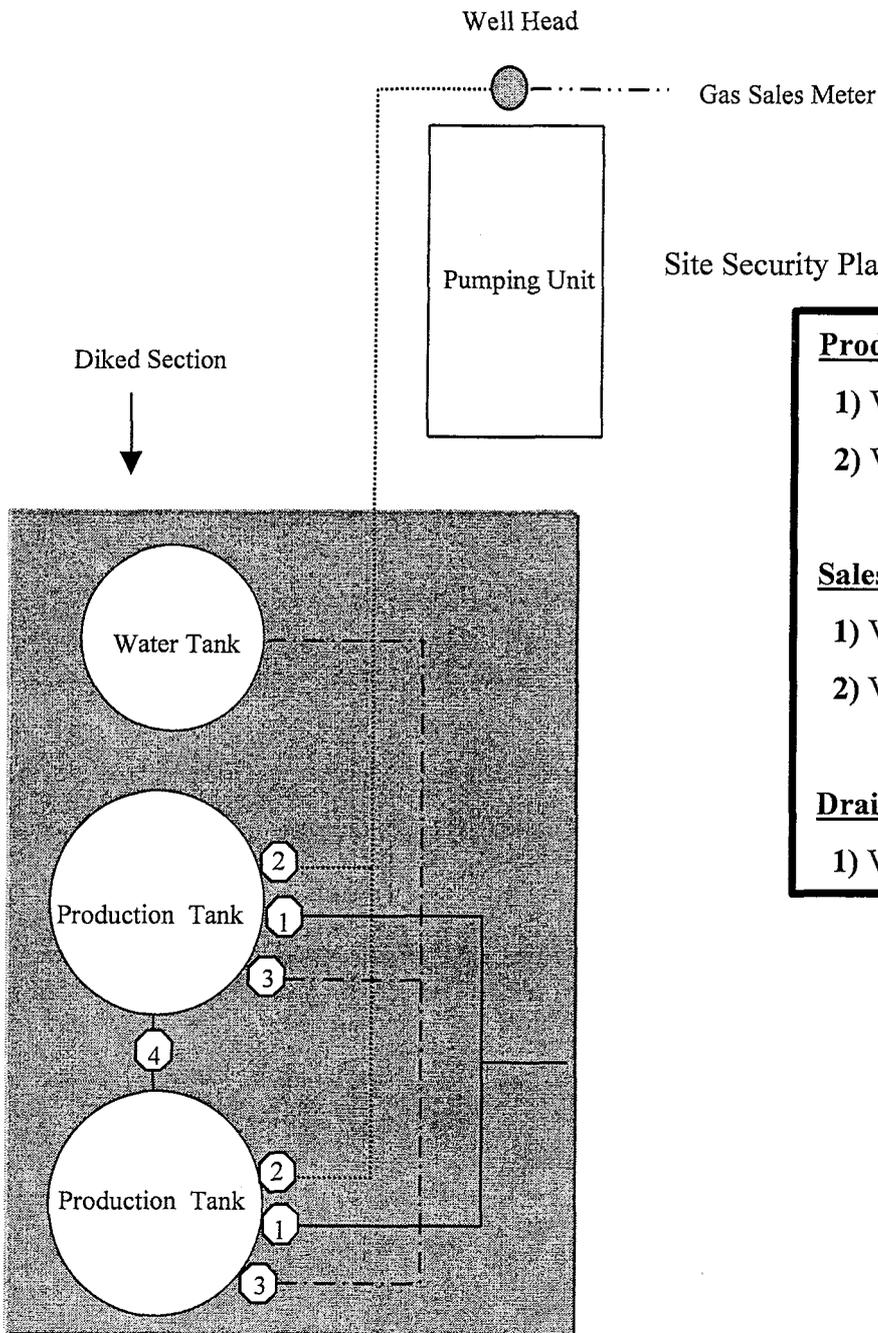
Inland Production Company Site Facility Diagram

Pleasant Valley Unit 23-9H

NE/SW Sec. 9, T9S, 17E

Duchesne County

May 12, 1998



Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

Production Phase:

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

Draining Phase:

- 1) Valve 3 open

Legend

Emulsion Line
Load Line	—————
Water Line	- - - - -
Gas Sales	- · - · - ·



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>

IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office
From: Acting Chief, Branch of Fluid Minerals
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



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

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:

PLEASANT VALLEY (GR)

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 14-4H	04	090S	170E	4301330671	12277	Federal	OW	P
FEDERAL 34-5H	05	090S	170E	4301330721	12277	Federal	OW	P
FEDERAL 44-5H	05	090S	170E	4301330913	12277	Federal	WI	A
FEDERAL 32-8H	08	090S	170E	4301330542	12277	Federal	OW	P
FEDERAL 42-8H	08	090S	170E	4301330678	12277	Federal	WI	A
FED NGC 31-8H	08	090S	170E	4301330679	12277	Federal	WI	A
NGC 12-8H FED	08	090S	170E	4301330680	12277	Federal	OW	P
NGC 41-8H	08	090S	170E	4301330741	12277	Federal	OW	P
FEDERAL 22-8H	08	090S	170E	4301331457	12277	Federal	WI	A
FEDERAL 21-8H	08	090S	170E	4301331460	12277	Federal	OW	P
PVU 4-8-9-17	08	090S	170E	4301332273	12277	Federal	OW	P
FEDERAL 13-9H	09	090S	170E	4301330656	12277	Federal	WI	A
NGC 24-9H FED	09	090S	170E	4301330682	12277	Federal	WI	A
FEDERAL 11-9-H	09	090S	170E	4301330887	12277	Federal	WI	A
FEDERAL 12-9-H	09	090S	170E	4301330983	12277	Federal	OW	P
FEDERAL NGC 22-9-H	09	090S	170E	4301331049	12277	Federal	WI	A
FEDERAL 33-9H	09	090S	170E	4301331108	12277	Federal	WI	A
FEDERAL 23-9-H	09	090S	170E	4301331206	12277	Federal	OW	P
FEDERAL 21-9H	09	090S	170E	4301331458	12277	Federal	OW	P
FEDERAL 14-9H	09	090S	170E	4301331459	12277	Federal	OW	P
PLEASANT VALLEY 7-9-9-17	09	090S	170E	4301332076	12277	Federal	OW	P
PLEASANT VALLEY 15-9-9-17	09	090S	170E	4301332135	12277	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005
4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143
5. 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

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-50750

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
PLEASANT VALLEY UNIT

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
FEDERAL 23-9H

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331206

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2102 FSL 2089 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 9, T9S, R17E

STATE: UT

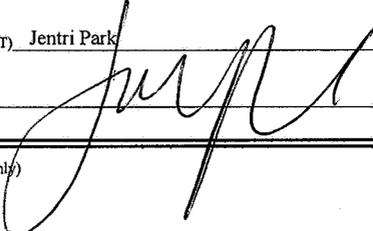
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: <u>10/28/2008</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input 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 type="checkbox"/> OTHER: -
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was recompleted and then back on production, attached is a daily status report. The following perforations were added in the Green River Formation:

- GB4 4022'-4030' 4 JSPF 32 holes
- GB4 4048'-4056' 4 JSPF 32 holes
- GB6 4098'-4114' 4 JSPF 64 holes
- CP3 5532'-5540' 4 JSPF 32 holes

NAME (PLEASE PRINT) Jentri Park
SIGNATURE 

TITLE Production Tech
DATE 11/21/2008

(This space for State use only)

RECEIVED
NOV 25 2008
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

FEDERAL 23-9H-9-17**8/1/2008 To 12/30/2008****10/21/2008 Day: 1****Recompletion**

Western #2 on 10/20/2008 - MIRU Western #2. RU HO trk & pump 70 BW dn annulus @ 250°F. RD pumping unit & unseat rod pump. Flush tbg & rods W/ 35 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 5 BW & pressure test to 3000 psi. Retrieve rod string & unseat pump. TOH W/ rod string--LD pump. Reflushed rods W/ 35 BW on TOH. ND wellhead & release TA 5370'. NU BOP. TOH & talley production tbg. Pulled 24 jts W/ TA hanging up in csg collars. SIFN W/ est 145 BWTR.

10/22/2008 Day: 2**Recompletion**

Western #2 on 10/21/2008 - Con't TOH & talley production tbg--LD BHA. TA did not seem to drag as much. No sign of scale. MU & TIH W/ new 4 3/4" tooth bit, bit sub & production tbg. PU 2 7/8 8rd 6.5# N-80 work string to tag fill @ 5424'. RU power swivel. Gained circulation W/ 40 BW. C/O sd & rubber to FC @ 5532'. Plugged bit and unable to clear. RD swivel. TOH W/ tbg. C/O bit and bit sub. TIH W/ same bit and tbg to 4364'. RU HO trk & flush tbg (circulate) W/ 40 BW due to thick wax ID. SIFN W/ est 185 BWTR..

10/23/2008 Day: 3**Recompletion**

Western #2 on 10/22/2008 - TIH W/ bit & tbg f/ 4364' to tag FC @ 5532'. PU swivel. Drill out remainder of FC & 18' of shoe jt to new PBD of 5550'. Circ hole clean. Lost est 20 BW. RD swivel. TOH W/ tbg--LD bit. RU perforators LLC WLT & packoff. Perf new intervals as follows W/ 3 1/8" slick guns: CP3 sds @ 5532-40'; GB6 sds @ 4098-4114' & GB4 sds @ 4022-30' & 4048-56'. All 4 JSPF in 2 runs. RD WLT. Talley, MU & TIH W/ Weatherford 5 1/2" "TS" RBP, RH, tbg sub, 5 1/2" "HD" pkr & 2 7/8 8rd 6.5# N-80 tbg. Set plug @ 4676' & pkr @ 4635'. Fill tbg W/ 1 BW & pressure test tools to 2000 psi. Release pkr & LD 1 jt. Leave pkr unset W/ EOT @ 4582'. SIFN W/ est 206 BWTR.

10/24/2008 Day: 4**Recompletion**

Western #2 on 10/23/2008 - Set HD pkr. @ 4570' w/ EOT @ 4582'. RU BJ Services. Treat D2 sds @ 4594-4610' w/ 875 gals 4% Techni-Hib 767w inhibitor, 2142 gals fresh water (w/ additives) spacer, 400 gals 15% hcl acid as shown below. NOTE: D2 SDS COMMUNICATED W/ D1 SDS @ 4552-58' W/ 77 BBLs PUMPED. Release HD pkr. Reset HD pkr. @ 4506' w/ EOT @ 4518'. Continue treating D2 & D1 sds w/ same treatment schedule. Bleed off well. Swab acid out of well. Release tools. Reset TS plug @ 4876' & HD pkr. @ 4797' w/ EOT @ 4809'. RU BJ Services. Treat B2 sds @ 4832-37' & 4839-43' w/ 500 gals 4% Techn-Hib 767w inhibitor, 1218 fresh water (w/ additives) spacer, 225 gals of 15% hcl acid as shown below. NOTE: B2 SDS COMMUNICATED W/ B.5 SDS @ 4765-70' & 4779-83' W/ 5 BBLs PUMPED. Release HD pkr. Reset HD pkr. @ 4700' w/ EOT @ 4712'. Continue treating B.5 sds @ B1 sds w/ same treatment schedule. Bleed off well. Swab acid out of well. Release tools. Reset TS plug @ 5550'. Leave HD pkr. released w/ EOT @ 5495'. SWIFN.

10/25/2008 Day: 5**Recompletion**

Western #2 on 10/24/2008 - Day 5a Stage #1 CP3 sds. Set HD pkr. @ 4570' w/ EOT @ 4582'. RU BJ Services. 0 psi on well. Frac CP3 sds w/ 39,902#'s of 20/40 sand in 386 bbls of Lightning 17 fluid. Broke @ 3997 psi. Treated w/ ave pressure of 4460 psi w/ ave rate of 14.5 BPM. ISIP 1827 psi. Open well to flattank for immediate flowback @ approx. 3 bpm. Well flowed for 1 hr. Recovered 180 bbls water. Release HD pkr. RIH w/ tbg. Tag sand @ 5530'. C/O to TS plug @ 5550'. Circulate well clean. Release TS plug. See day 5b. Day 5b Stage #2 GB4/GB6 sds. Set TS plug @ 4159' & HD pkr. @ 3994' w/ EOT @ 4006'. RU BJ Services. 0 psi on well. Frac GB/GB6 sds w/ 51,467#'s of 20/40 sand in 468 bbls of Lightning 17 fluid. Broke @ 2218 psi. Treated w/ ave pressure of 3445 psi w/ ave rate of 16.2 BPM. ISIP 1844 psi. Open well to flattank for immediate flowback @ approx. 3 bpm. Well flowed for 70 mins. Recovered 210 bbls water. Release HD pkr. RIH w/ tbg. Tag sand @ 4129'. C/O to TS plug @ 4159'. Circulate well clean. Release tools. RIH w/ tbg. Reset TS plug @ 5550'. Pull up to 4004' w/ EOT (leave HD pkr. released). RIH w/ swab. SFL @ surface. Made 12 runs. Recovered 102 bbls. Trace of oil & sand. EFL @ 1300'. SWIFN.

10/28/2008 Day: 6

Recompletion

Western #2 on 10/27/2008 - RIH w/ tbg. Tag TS plug. No sand on TS plug. Circulate well clean. Release TS plug. Flush tbg. w/ 45 bbls water. LD workstring, stopping twice to flush tbg. w/ 60 bbls water. LD tools. RIH w/ bull plug, 3 jts 2 7/8" tbg., 2 7/8" nipple, PBGA, 1 jt 2 7/8" tbg., PSN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 175 jts 2 7/8" tbg. ND BOP. Set TAC @ 5284' w/ 16,000# tension. NU wellhead. X-over for rods. SWIFN.

10/29/2008 Day: 7

Recompletion

Western #2 on 10/28/2008 - Flush tbg. W/ 60 bbls 250° water. RIH w/ CDI 2 1/2" x 1 3/4" x 24' RHAC rod pump, 6- 1 1/2" weight bars, 30- 3/4" guided rods, 85- 3/4" slick rods, 5- 3/4" guided rods, 86- 7/8" guided rods, 1- 6', 2' x 7/8" pony subs, 1 1/2" x 26' polished rod. Seat pump. Fill tbg. w/ 2 bbls water. Stroke test to 800 psi. Good pump action. RU pumping unit. Hang off rods. RD. Put well on production @ 12:00 p.m. 66" stroke length, 5 spm. Final Report.

Pertinent Files: Go to File List



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

APR 21 2009

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, CO 80202

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

RE: Additional Well: Pleasant Valley Area Permit
UIC Permit No. UT20771-00000
Well ID: UT20771-08156
Federal ~~23-9H-9-17~~ 23-9-11
2102' FSL & 2089' FWL
NE SW Sec. 9 T9S-R17E
Duchesne County, Utah
API #43-013-31206

RECEIVED
APR 27 2009

Dear Mr. Sundberg:

DIV. OF OIL, GAS & MINING

The Newfield Production Company's request to convert the former Green River Formation oil well Federal 23-9H-9-17 to an enhanced recovery injection well in the Pleasant Valley Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization for Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Pleasant Valley Area Permit No. UT20771-00000 and subsequent modifications.

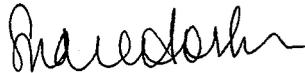
Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 3,552 feet and the top of the Wasatch Formation, estimated at 5,895 feet.

Prior to receiving authorization to inject, the EPA requires that Newfield submit for review and approval: (1) the results of a **Part 1 (Internal) mechanical integrity test (MIT)**, (2) a **pore pressure** calculation of the injection interval, (3) **radioactive tracer survey** within a 180-day authorization to inject, and at least once every five years after the last successful test, and (4) a **completed EPA Form No. 7520-12** (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Federal 23-9H-9-17 was determined to be 1,000 psig. UIC Area Permit UT20771-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Ms. Sarah Bahrman at (303) 312-6243 or 1-(800)-227-8917 (Ext. 312-6243). Please submit the required data to **ATTENTION: Sarah Bahrman**, at the letterhead address, or by **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



for Eddie A. Sierra
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Encl: Authorization For Conversion of An Additional Well
EPA Form No. 7520-12 (Well Rework Record).
Proposed Wellbore and P&A Wellbore schematics for Federal 23-9H-9-17.
Aquifer Exemption

cc: Permit Letter:
Uintah & Ouray Business Committee:
Curtis Cesspooch, Chairman
Ronald Groves, Councilman
Irene Cuch, Vice-Chairwoman
Steven Cesspooch, Councilman
Phillip Chimburas, Councilman
Frances Poowegup, Councilwoman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku
Director, Natural Resources
Ute Indian Tribe

Larry Love
Director of Energy & Minerals Dept.
Ute Indian Tribe

Gil Hunt
Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit No: UT20771-00000

The Pleasant Valley Final UIC Area Permit No. UT20771-00000, effective November 6, 1995, authorizes injection for the purpose of enhanced oil recovery into multiple lenticular sand units which are distributed throughout the lower portion of the Green River Formation. On March 26, 2008, the permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

Well Name:	<u>Federal 23-9H-9-17</u>
EPA Well ID Number:	<u>UT 20771-08156</u>
Location:	2102' FSL & 2089' FWL NE SW Sec. 9 T9S-R17E Duchesne County, Utah API #43-013-31206

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20771-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20771-00000, as modified and as specified in the Well Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: **APR 21 2009**


for **Eddie A. Sierra**
*Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

** The person holding this title is referred to as the Director throughout the permit and Authorization*

WELL-SPECIFIC REQUIREMENTS

Well Name: Allen Federal 23-9H-9-17
EPA Well ID Number: UT20771-08156

Prior to commencing injection operations, the permittee shall submit the following information and receive written Authority to Inject from the Director:

1. a successful Part I (Internal) Mechanical Integrity test (MIT);
2. pore pressure calculation of the proposed injection zone;
3. radioactive tracer survey within a 180-day authorization to inject, and at least once every five years after the last successful test;
4. completed Well Rework Record EPA Form No. 7520-12 and schematic diagram.

Approved Injection Zone: Injection is approved between the top of the Garden Gulch Member of the Green River Formation at a depth of 3,552 feet (KB) to the top of the Wasatch Formation, which is estimated to be at a depth of 5,895 feet (KB).

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1,000 psig, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.660 \text{ psi/feet} \quad \text{SG} = 1.015 \quad \text{D} = \underline{4,552 \text{ feet}} \quad (\text{top perforation depth KB}) \\ \text{MAIP} &= \underline{1,000 \text{ psig}} \end{aligned}$$

UIC Area Permit No. UT20771-00000 also provides the opportunity for the permittee to request a change of the MAIP based upon results of a step rate test that demonstrates the formation breakdown pressure will not be exceeded.

Well Construction: The cement bond log (CBL) indicates that cement does not meet minimum requirements needed to demonstrate zone isolation (at least 18 feet of continuous 80% cement bond index, or better) through the Confining Zone. Therefore, testing for Part II Mechanical Integrity (MI) will be required prior to injection and at least once every five years thereafter. The demonstration shall be by Radioactive Tracer Survey, as noted above, or other approved test. Approved tests for demonstrating Part II MI include a Temperature Survey, Noise Log or Oxygen Activation Log.

Tubing and Packer: 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 50 feet above the top perforation.

Corrective Action for Wells in Area of Review (AOR): The following four (4) wells, that penetrate the confining zone within or proximate to a 1/4 mile radius around the Federal 23-9H-9-17, were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDW:

Demonstration of Mechanical Integrity: A successful demonstration of Part I (Internal) Mechanical Integrity using a standard Casing-Tubing pressure test is required for the Federal 23-9H-9-17 prior to injection and at least once every five years thereafter.

EPA reviewed the Cement Bond Log and determined the cement through the confining zone is not sufficient to provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore. Therefore, pursuant to 40 CFR §146.8(a)(2), **the Permittee shall conduct a Part II (External) Mechanical Integrity Test within a 180-day period of "Limited Authorization to Inject."** A Part II (External) Mechanical Integrity Test shall be run at least once every five (5) years thereafter.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs and in accordance with other applicable Federal, State or local laws or regulations. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation with a minimum 20-foot cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench between approximately 2,700 ft. (KB) to 2,870 ft. (KB) (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 170-foot balanced cement plug inside the 5-1/2" casing across the Trona Zone and the Mahogany Shale, from approximately 2,700 ft. (KB) to 2,870 ft. (KB).

PLUG NO. 3: Seal USDWs: Squeeze a cement plug on the backside of the 5-1/2" casing across the top of the Green River Formation between approximately 1,300 ft. (KB) and 1,400 ft. (KB) (unless pre-existing cement precludes cement-squeezing this interval), followed by a minimum 100-foot balanced plug inside the 5-1/2" casing across the base of the Uinta Formation, from approximately 1,300 ft. (KB) to 1,400 ft. (KB).

PLUG NO. 4: Seal Surface: Set a Class "G" cement plug within the 5-1/2" casing to 348 ft. and up the 5-1/2" x 9-5/8" casing annulus to the surface.

Cut off surface and 5-1/2" casing at least 4 ft below ground level and set P&A marker; submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

Reporting of Noncompliance:

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting:

The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting:

The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>.**

Other Noncompliance:

The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information:

Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

WELL-SPECIFIC CONSIDERATIONS

Well Name: **Federal 23-9H-9-17**
EPA Well ID Number: **UT20771-08156**

Underground Sources of Drinking Water (USDWs): USDWs in the Pleasant Valley Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 100 feet below ground surface (112 ft. KB) in the Federal 23-9H-9-17.

Utah Division of Water Rights (searched online at <http://utstnrwrt6.waterrights.utah.gov/cgi-bin/wrplat.exe>):

There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]):

- TDS of the Douglas Creek Member – Green River Formation Water: 6,356 mg/l.

- TDS of Jonah Facility Injection System source water: 13,556 mg/l.

The **injectate** is a blend of drinking-quality water from the Johnson Water District supply line and/or water from the Green River supply line, as well as Green River Formation water.

Aquifer Exemption is being prepared because the concentration of total dissolved solids (TDS) of the Green River Formation water in the injection well is 6,356 mg/l, which is less than 10,000 mg/l. Please refer to 40 CFR §146.4 (Criteria for Exempted Aquifers).

Confining Zone: The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 185 feet of shale between the depths of 3,367 ft. and 3,552 ft. (KB).

Injection Zone: The Injection Zone at this well location is approximately 2,343 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,552 feet (KB) to the top of the Wasatch Formation which is estimated to be at 5,895 ft. (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

Well Construction: The CBL **does not show** 80% or greater cement bond index in the Confining Zone. Thus, demonstration of Part II Mechanical Integrity is required.

Surface Casing: 9-5/8" casing is set at 298 ft. (KB) in a 12-1/4" hole, using 165 sacks Class G cement.

Longstring Casing: 5-1/2" casing is set at 5,599 ft. (KB) in a 7-7/8" hole secured with 585 sacks of Class G cement. Total drilled depth is 5,600 ft., and plugged back total depth is 5,532 ft. EPA calculates top of cement at 1,808 ft. (KB). Estimated CBL top of cement is 1,505 ft.

Perforations: Top perforation: **4,552 ft.** (KB) Bottom perforation: **5,440 ft.** (KB)

Wells in Area of Review (AOR): Construction and cementing records, including CBLs for four (4) wells in the 1/4 mile AOR that penetrated the Confining Zone, were reviewed. None of the four (4) wells in the AOR will require Corrective Action.

Wells Requiring Corrective Action:

None

Wells Not Requiring Corrective Action:

Well: Federal 22-9H	SE NW	Sec. 9-T9S-R17E
Well: Federal 33-9H	NW SE	Sec. 9-T9S-R17E
Well: Pleasant Valley Federal N-9-9-17	NE SW	Sec. 9-T9S-R17E
Well: Federal 13-9H-9-17	NW SW	Sec. 9-T9S-R17E

Federal #23-9H-9-17

Spud Date: 4/30/88
 Put on Production: 6/22/88
 GL: 5250' KB: 5262'

Initial Production: 77 BOPD.
 TSTM MCFPD, 35 BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8" ✓
 GRADE: L-80
 WEIGHT: 43.5# ✓
 DEPTH LANDED: 298' ✓
 HOLE SIZE: 13-1/4" ✓
 CEMENT DATA: 165 sxs Class G ✓

PRODUCTION CASING

CSG SIZE: 5-1/2" ✓
 GRADE: K-55/L-80
 WEIGHT: 17# ✓
 LENGTH: 112 jts/19 js
 DEPTH LANDED: 5599' ✓
 HOLE SIZE: 7-7/8" ✓
 CEMENT DATA: 205 sxs Class "G", 380 sx Class "G" ✓
 CEMENT TOP AT: 1505' ✓

EPA TOC calc = 1808'

No cement w/ 80% bond in confining zone.
 ⇒ corrective action required.

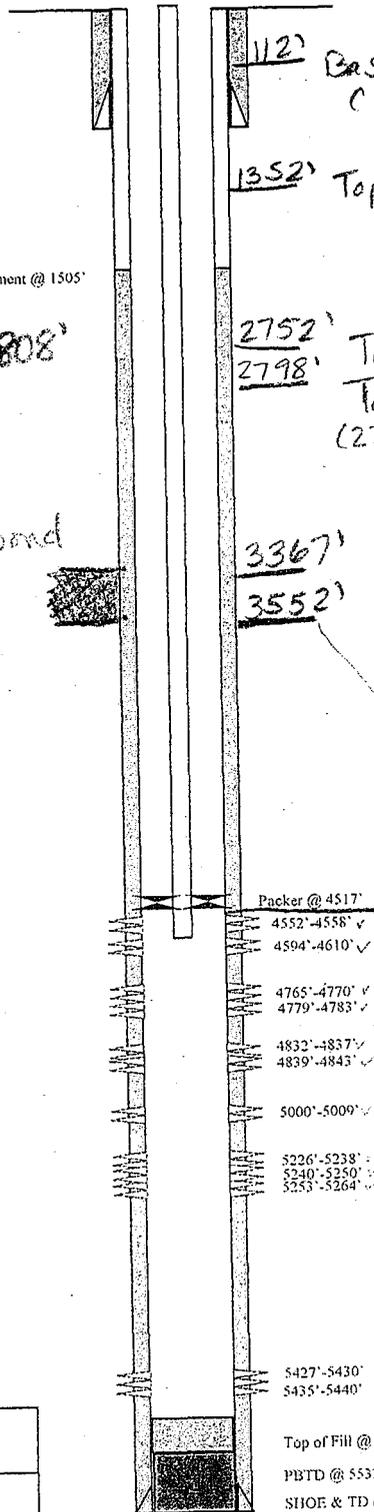
TUBING

SIZE/GRADE/WT: 2 7/8" J-55 / 6.5#
 NO. OF JOINTS: 1 jt. M-50 (31.25')
 NO. OF JOINTS: 182 jts. (5357.10')
 TUBING ANCHOR: 5378.10'
 NO. OF JOINTS: 1 jts. (31.19')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 5412.09'
 NO. OF JOINTS: 1 jts. (31.31')
 TOTAL STRING LENGTH: EOT @ 5444.95'

FRAC JOB

5/31/88 5427'-5440' Frac F2 sand as follows:
 22,260 gals total fluid. 54,000# total sand. Treated w/avg press of 1,449 psi w/avg rate of 33 BPM. ISIP: 1213.
 6/2/88 5226'-5264' Frac E2 sand as follows:
 108,000# total sand. 41,875 gals total fluid. Treated w/avg press of 2,229 psi w/avg rate of 31 BPM. ISIP: 2133.
 6/4/88 5000'-5009' Frac E(E) sand as follows:
 36,000# total sand. 19,530 gals total fluid. Treated w/avg press of 1,735 psi w/avg rate of 23 BPM. ISIP: 1580.
 6/6/88 4765'-4843' Frac D sand as follows:
 108,000# total sand. 39,200 gal total fluid. Treated w/avg press of 2,183 psi w/avg rate of 40 BPM. ISIP: 1985.
 6/8/88 4552'-4610' Frac DC2 & DC4 sand as follows:
 90,000# total sand. 37,170 gals total fluid. Treated w/avg press of 1,660 psi w/avg rate of 42 BPM. ISIP: 1680.

1/01/99 Pump Change: Update rod and tubing details
 5/14/05 Pump Change: Update rod and tubing details.
 11/13/03 Pump Change: Update rod and tubing details
 2/25/04 Pump change. Update rod details
 4/06/04 Pump change.
 08/10/05 Pump Change: Update rod and pump details.
 08/24/05 Pump Change: Update rod and pump details



112' Base USDW (Pub 92)
 1352' Top Green River
 2752' Top Trona
 2798' Top Mahogany Bench (2798'-2818')
 3367' Top Confining Zone (shale)
 3552' Top Garden Gulch
 4550' Top Douglas Creek

PERFORATION RECORD

Date	Depth Range	Perforation Type	Holes
5/27/88	5435'-5440'	4 JSPF	20 holes
5/27/88	5427'-5430'	4 JSPF	12 holes
6/02/88	5253'-5264'	4 JSPF	36 holes
6/02/88	5240'-5250'	4 JSPF	40 holes
6/02/88	5226'-5238'	4 JSPF	48 holes
6/04/88	5000'-5009'	4 JSPF	36 holes
6/05/88	4839'-4843'	4 JSPF	20 holes
6/05/88	4832'-4837'	4 JSPF	20 holes
6/05/88	4779'-4783'	4 JSPF	20 holes
6/05/88	4765'-4770'	4 JSPF	20 holes
6/07/88	4594'-4610'	4 JSPF	24 holes
6/07/88	4552'-4558'	4 JSPF	24 holes

5770' (est) Top Basal Carbonate
 5895' (est) Top Wasatch

NEWFIELD

FEDERAL 23-9H-9-17
 2102' FSL & 2089' FWL
 NE/SW Section 9, T9S R17E
 DUCHESNE CO, UTAH
 API #43-013-31206; LEASE #UTU-50750

Federal #23-9H-9-17

Initial Production: 77 BOPD.
TSTM MCFPD, 35 BWPD

Spud Date: 4/30/88
Put on Production: 6/22/88
GL: 5250' KB: 5262'

Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"
GRADE: L-80
WEIGHT: 43.5#
DEPTH LANDED: 298'
HOLE SIZE: 12-1/4"
CEMENT DATA: 165 sxs Class G

Plug 4 - surface to at least 348'

Circulate 113 sx Class "G" Cement down 5 - 1/2" casing and up the 5-1/2" x 9-5/8" annulus

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55/L-80
WEIGHT: 17#
LENGTH: 112 jts/19 js
DEPTH LANDED: 5599'
HOLE SIZE: 7-7/8"
CEMENT DATA: 205 sxs Class "G", 380 sx Class "G"
CEMENT TOP AT: 1505'

Plug 3 - 100' plug from 1300' - 1400' from Top of Cement @ 1505'

Perforate 4 JSPF @ 348'

1352' Top Green River

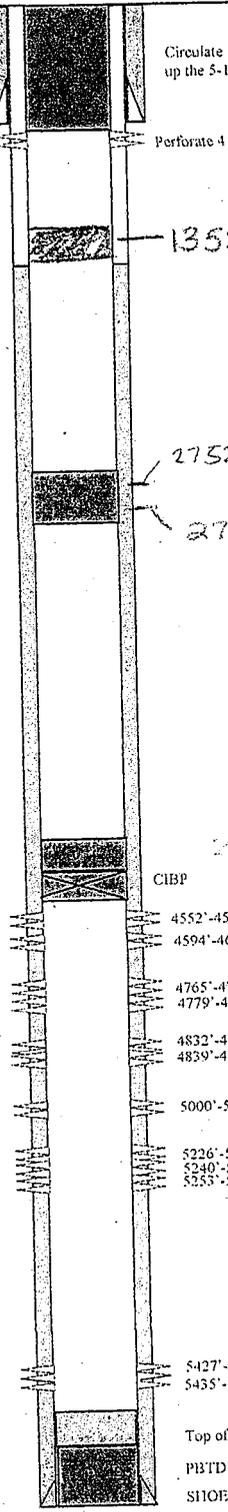
2752' Top Trossa

2798' Top Mahogany Bench

Plug 2 - 170' balanced plug from 2700' - 2870'

Plug 1 CIBP ± 50' above top perf with 20' + cement on top.

20' + Cement plug on top of CIBP



CIBP

4552'-4558'
4594'-4610'

4765'-4770'
4779'-4785'

4832'-4837'
4839'-4845'

5000'-5009'

5226'-5238'
5240'-5250'
5253'-5264'

5427'-5430'
5435'-5440'

Top of Fill @ 5522'

P13TD @ 5532'

SHOE & TD @ 5600'

NEWFIELD

FEDERAL 23-9H-9-17
2102' FSL & 2089' FWL
NE/SW Section 9, T9S R17E
DUCHESNE CO, UTAH
API #43-013-31206; LEASE #UTU-50750



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917

UNDERGROUND INJECTION CONTROL
AQUIFER EXEMPTION
For
NEWFIELD PRODUCTION COMPANY'S
PLEASANT VALLEY AREA PERMIT UT20771-00000

FEDERAL 23-9H-9-17
EPA PERMIT UT20771-08156
NW SW SECTION 9-T9S-R17E
DUCHESNE COUNTY, UTAH

UINTAH & OURAY INDIAN RESERVATION

In compliance with provisions of the Safe Drinking Water Act, as amended, (42 USC § 300f-300j-11, commonly known as the SDWA) and attendant regulations incorporated by the U.S. Code of Federal Regulations, the Garden Gulch, Douglas Creek, and Basal Carbonate Members of the Green River Formation, located in the subsurface at approximately 3,552 and 5,895 feet, and within a one-quarter (1/4) mile radius of the Federal No. 23-9H-9-17, Duchesne County, Utah is being exempted as an underground source of drinking water (USDW) because:

- (1) The proposed injection zone does not currently serve as a source of drinking water, and
- (2) The proposed injection zone contains commercially producible quantities of hydrocarbons.

This Aquifer Exemption (AE) is granted in conjunction with the Underground Injection Control Pleasant Valley Area Permit, UT20771-00000, issued to Newfield Production Company,

Date: **APR 21 2009**


for **Eddie A. Sierra**
* Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

* The person holding this title is referred to as the Director throughout the permit and Authorization.



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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

**1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>**

FEB 07 2012

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Eric Sundberg
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, Colorado 80202

RECEIVED

FEB 15 2012

DIV. OF OIL, GAS & MINING

RE: Underground Injection Control (UIC)
Add Well to Pleasant Valley Area Permit
EPA UIC Permit UT20771-09450
Well: Federal 23-9H-9-17
NESW Sec. 9 T9S-R17E
Duchesne County, Utah
API No.: 43-013-31206

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

Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Federal 23-9H-9-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Pleasant Valley Area Permit No. UT20771-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,


Callie A. Videtich
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well
Wellbore schematic for Federal 23-9H-9-17

cc: Letter Only:

Uintah & Ouray Business Committee:
Irene Cuch, Chairman
Ronald Wopsock, Vice-Chairman
Frances Poowegup, Councilwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

cc: All Enclosures:

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Reed Durfey
District Manager
Newfield Production Company
Myton, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit UT20771-00000

The Pleasant Valley Final UIC Area Permit UT20771-00000, effective November 6, 1995, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On December 21, 2011, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

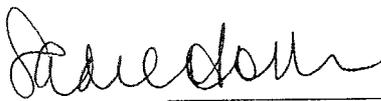
Well Name:	Federal 23-9H-9-17
EPA Permit ID Number:	UT20771-09450
Location:	2102' FSL & 2089' FWL NESW Sec. 9-T9S-R17E Duchesne County, Utah API #43-013-31206

Pursuant to 40 CFR §144.33, Area UIC Permit UT20771-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20771-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: 2/6/12



Callie A. Videtich
*Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

** The person holding this title is referred to as the Director throughout the permit and Authorization*

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Federal 23-9H-9-17
EPA Well ID Number: UT20771-09450

Prior to Commencing Injection Operations, the permittee shall submit the following information:

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram;
2. Pore pressure calculation of the proposed injection zone;
3. Results from a successful part I (internal) Mechanical Integrity test.

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested. A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate part II mechanical integrity using an approved demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

Note: All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

Approved Injection Interval: The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1,285 psig, based on the calculation $MAIP = [FG - (0.433)(SG)] * D$, where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.76 psi/ft, SG is 1.015 and D is 4,022 ft.

UIC Area Permit No. UT20771-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

Well Construction: Casing and Cementing: The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone. Therefore, a radioactive tracer survey is required.

Well Construction: Tubing and Packer: 2-7/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (external) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug (CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.
- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost casing string, centered on the contact between the Green River Formation and Uinta Formation.
- (4) Isolate Surface Fluid Migration Paths:
 - a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
 - b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
 - c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Federal 23-9H-9-17
EPA Well ID Number: UT20771-09450

Underground Sources of Drinking Water (USDWs): USDWs in the Pleasant Valley Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 25 ft. below ground surface in the Federal 23-9H-9-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well.

*Authorization for Additional Well: UIC Area Permit UT20771-00000
Well: Federal 23-9H-9-17 EPA Well ID: UT20771-09450*

Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

http:NRWRT1.NR.STATE.UT.US: According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

Composition of Source, Formation, and Injectate Water: A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20771-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

Confining Zone: A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

Injection Zone: An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

Well Construction: This well was constructed according to BLM requirements and controls for production wells at the time of well completion. However, the Cement Bond Log (CBL) does not show a sufficient interval of continuous 80 percent or greater cement bond index through the Confining Zone. Therefore, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

Surface Casing: 8-5/8" casing is set at 298 ft. in a 12-1/4" hole, using 165 sacks Class "G"

cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 5,599 ft. in a 7-7/8" hole secured with 585 sacks of cement. Total driller depth is 5,600 ft. Plugged back total depth is 5,532 ft. EPA calculates top of cement at 1,716 ft. Estimated CBL top of cement is 1,505 ft.

Perforations: Top perforation: 4,552 ft. Bottom perforation: 5,440 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following seven wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Federal 23-9H-9-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Federal 22-9H-9-17 UIC Permit UT20771-04268.	API: 43-013-31049	SEnw Sec. 9-T9S-R17E
Federal 13-9H-9-17 UIC Permit UT20771-04266 Insufficient annulus cement bond in Confining Zone. Temperature Survey: May 5, 2009. Reviewed and approved by EPA. Radioactive tracer Survey: January 13, 2010: Reviewed and approved by EPA.	API: 43-013-30656	NWSW Sec. 9-T9S-R17E
Federal 33-9H-9-17 UIC Permit UT20771-04271	API: 43-013-31108	NWSE Sec. 9-T9S-R17E
Pleasant Valley Federal M-9-9-17	API: 43-013-33896	SHL: SWNE Sec. 9-T9S-R17E BHL: SENW Sec. 9-T9S-R17E
Pleasant Valley Federal N-9-9-17	API: 43-013-33248	SHL: NESW Sec. 9-T9S-R17E BHL: C N/2 SW Sec. 9-T9S-R17E
Pleasant Valley Federal Q-9-9-17	API: 43-013-33813	SHL: SWSW Sec. 9-T9S-R17E BHL: NESW Sec. 9-T9S-R17E
Pleasant Valley Federal R-9-9-17	API: 43-013-33895	SHL: SWSE Sec. 9-T9S-R17E BHL: NESW Sec. 9-T9S-R17E

No Corrective Action Required on AOR wells: EPA reviewed all wells penetrating the Confining Zone within a ¼-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

Reporting of Noncompliance:

- 1) **Anticipated Noncompliance.** The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- 2) **Compliance Schedules.** Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- 3) **(Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.**

Twenty-Four Hour Noncompliance Reporting: The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**

Other Noncompliance: The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known.

Federal #23-9H-9-17

Spud Date: 4/30/88
 Put on Production: 6/22/88
 GL: 5250' KB: 5262'

Initial Production: 77 BOPD,
 TSTM MCFPD, 35 BWPD

SURFACE CASING

CSG SIZE: 9-5/8"
 GRADE: L-80
 WEIGHT: 43.5#
 DEPTH LANDED: 298'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 165 sxs Class G

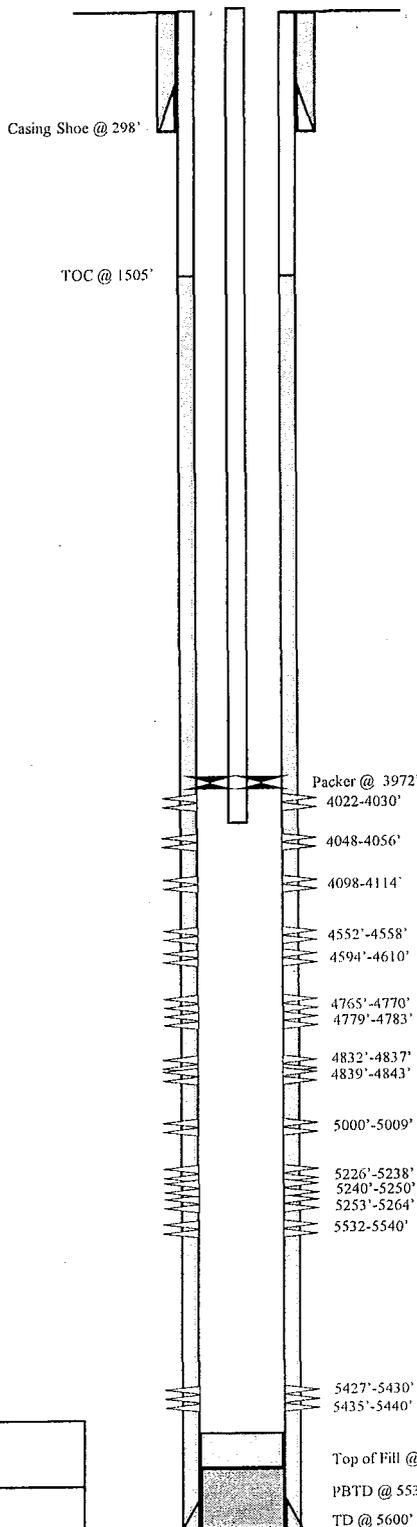
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: K-55/L-80
 WEIGHT: 17#
 LENGTH: 112 jts/19 jts
 DEPTH LANDED: 5599'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 205 sxs Class "G", 380 sx Class "G"
 CEMENT TOP AT: 1505'

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#
 NO. OF JOINTS: 178 jts. (5269.29')
 TUBING ANCHOR: 5284.29'
 NO. OF JOINTS: 1 jts. (33.14')
 SEATING NIPPLE: 2 7/8" (1.10')
 SN LANDED AT: 5397.1'
 NO. OF JOINTS: 1 jts. (31.3')
 TOTAL STRING LENGTH: EOT @ 5430.'

Proposed Injection Wellbore Diagram



FRAC JOB

5/31/88	5427'-5440'	Frac F2 sand as follows: 22,260 gals total fluid. 54,000# total sand. Treated w/avg press of 1,449 psi, w/avg rate of 33 BPM. ISIP: 1213.
6/2/88	5226'-5264'	Frac E2 sand as follows: 108,000# total sand. 41,875 gals total fluid. Treated w/avg press of 2,229 psi w/avg rate of 31 BPM. ISIP: 2133.
6/4/88	5000'-5009'	Frac E(E) sand as follows: 36,000# total sand. 19,530 gals total fluid. Treated w/avg press of 1,735 psi, w/avg rate of 23 BPM. ISIP: 1580.
6/6/88	4765'-4843'	Frac D sand as follows: 108,000# total sand. 39,200 gal total fluid. Treated w/avg press of 2,183 psi w/avg rate of 40 BPM. ISIP: 1985.
6/8/88	4552'-4610'	Frac DC2 & DC4 sand as follows: 90,000# total sand. 37,170 gals total fluid. Treated w/avg press of 1,660 psi w/avg rate of 42 BPM. ISIP: 1680.
1/01/99		Pump Change: Update rod and tubing details.
5/14/03		Pump Change: Update rod and tubing details.
11/13/03		Pump Change: Update rod and tubing details.
2/25/04		Pump change. Update rod details.
4/06/04		Pump change.
08/10/05		Pump Change. Update rod and pump details.
08/24/05		Pump Change. Update rod and pump details.
05/27/08		updated tubing and rod detail
02/05/11		Pump Change. Rod & tubing detail updated.
10/24/08	5532-5540	Frac CP3 sds as follows: 39,902# 20/40 sand in 386 bbls of Lightning 17 fluid. Treated w/ave pressure of 4460 psi w/ave rate of 14.5 BPM. ISIP 1827 psi. Actual flush: 1285 gals.
10/24/08	4022-4030 + 4048-4114	Frac GB4/GB6 sds as follows: 51,467# 20/40 sand in 468 bbls of Lightning 17 fluid. Treated w/ave pressure of 3445 psi w/ave rate of 16.2 BPM. ISIP 1844 psi. Actual flush: 907 gals.

PERFORATION RECORD

5/27/88	5435'-5440'	4 JSPF	20 holes
5/27/88	5427'-5430'	4 JSPF	12 holes
6/02/88	5253'-5264'	4 JSPF	36 holes
6/02/88	5240'-5250'	4 JSPF	40 holes
6/02/88	5226'-5238'	4 JSPF	48 holes
6/04/88	5000'-5009'	4 JSPF	36 holes
6/05/88	4839'-4843'	4 JSPF	20 holes
6/05/88	4832'-4837'	4 JSPF	20 holes
6/05/88	4779'-4783'	4 JSPF	20 holes
6/05/88	4765'-4770'	4 JSPF	20 holes
6/07/88	4594'-4610'	4 JSPF	24 holes
6/07/88	4552'-4558'	4 JSPF	24 holes
10/24/08	4022-4030'	4 JSPF	32 holes
10/24/08	4048-4056'	4 JSPF	32 holes
10/24/08	4098-4114'	4 JSPF	64 holes
10/24/08	5532-5540'	4 JSPF	32 holes

NEWFIELD

FEDERAL 23-9H-9-17
 2102' FSI. & 2089' FWL
 NE/SW Section 9, T9S R17E
 DUCHESNE CO, UTAH
 API #43-013-31206; LEASE #UTU-50750

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-50750
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 23-9-H
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013312060000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2102 FSL 2089 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 09 Township: 09.0S Range: 17.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE 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"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/30/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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 07/25/2012. On 07/23/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 07/30/2012 the casing was pressured up to 1590 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20771-09450

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 August 06, 2012**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 8/1/2012	

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 7/30/12
 Test conducted by: Chris Walters
 Others present: _____

UT20771-09450

Well Name: <u>23-9H-9-17 Federal</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>NE/SE</u> Sec: <u>9</u> T: <u>9</u> N: <u>10</u> R: <u>17</u> E/W	County: <u>Duchesne</u>	State: <u>UT</u>
Operator: <u>Newfield</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? Yes No
 Initial test for permit? Yes No
 Test after well rework? Yes No
 Well injecting during test? Yes No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 1590 psig

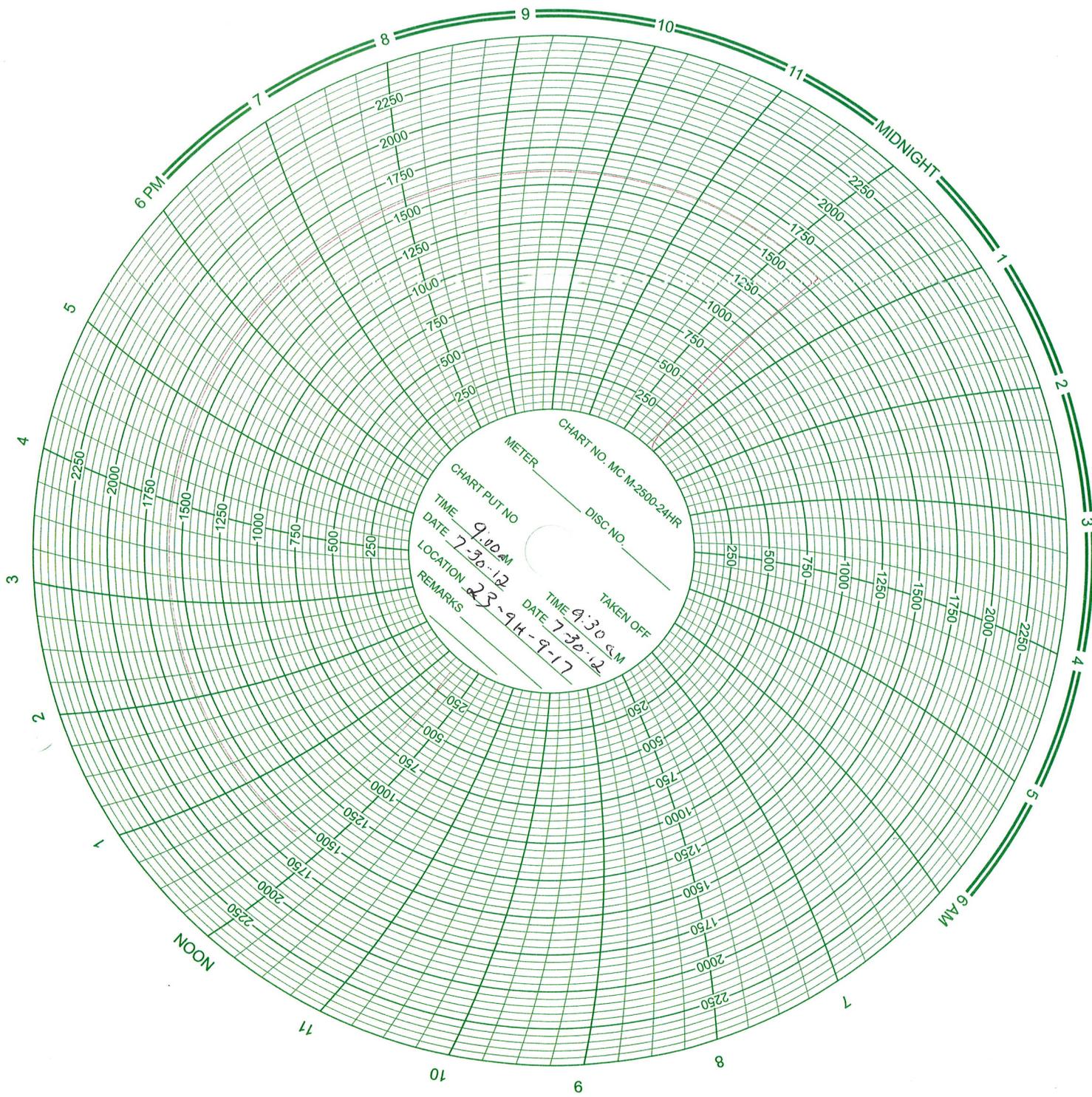
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	0 psig	psig	psig
End of test pressure	0 psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	1590 psig	psig	psig
5 minutes	1590 psig	psig	psig
10 minutes	1590 psig	psig	psig
15 minutes	1590 psig	psig	psig
20 minutes	1590 psig	psig	psig
25 minutes	1590 psig	psig	psig
30 minutes	1590 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? Yes No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



Daily Activity Report

Format For Sundry
FEDERAL 23-9H-9-17
5/1/2012 To 9/30/2012

7/23/2012 Day: 3

Conversion

Nc#2 on 7/23/2012 - POOH W/ Tbg, TIH W/ Bit & Scrapper, POOH Breaking & Doping Collers - Move From The Fed 13-19- 9-18 To The Fed 23-9H-9-17, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, R/D Pmp Unit, Unseat Rod Pmp, R/U H/Oiler To Tbg, Flush Rods W/- 40 Bbls Wtr, Reseat Pmp, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - Move From The Fed 13-19- 9-18 To The Fed 23-9H-9-17, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, R/D Pmp Unit, Unseat Rod Pmp, R/U H/Oiler To Tbg, Flush Rods W/- 40 Bbls Wtr, Reseat Pmp, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - Move From The Fed 13-19- 9-18 To The Fed 23-9H-9-17, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, R/D Pmp Unit, Unseat Rod Pmp, R/U H/Oiler To Tbg, Flush Rods W/- 40 Bbls Wtr, Reseat Pmp, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pressure Test Tbg To 3,000 Psi, Good Test, Took 7 Bbls Wtr To Fill, L/D, Pumped 30BW Down Tbg W/ Biociede, 1- 2' x 7/8" Pony Sub, 1 1/2" x 30' Polished Rod, 1- 2', 2- 8' x 7/8" Pony Subs, 82- 7/8" Guided Rods, 5- 3/4" Guided Rods, 85- 3/4" Plain Rods, 31- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars W/- Stabilizer Subs (6 Stabilizer Subs), Rod Pmp, X - Over For Tbg, R/D Wellhead, R/U Weatherford BOPS, Release TA, P/U & TIH W/- 3- Jts Tbg, Tag Fill @5546', L/D 3- Jts Tbg, POOH W/ 20 Jts Tbg,..SWIFWE...6:30PM To 7:00PM C/Travl - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pressure Test Tbg To 3,000 Psi, Good Test, Took 7 Bbls Wtr To Fill, L/D, Pumped 30BW Down Tbg W/ Biociede, 1- 2' x 7/8" Pony Sub, 1 1/2" x 30' Polished Rod, 1- 2', 2- 8' x 7/8" Pony Subs, 82- 7/8" Guided Rods, 5- 3/4" Guided Rods, 85- 3/4" Plain Rods, 31- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars W/- Stabilizer Subs (6 Stabilizer Subs), Rod Pmp, X - Over For Tbg, R/D Wellhead, R/U Weatherford BOPS, Release TA, P/U & TIH W/- 3- Jts Tbg, Tag Fill @5546', L/D 3- Jts Tbg, POOH W/ 20 Jts Tbg,..SWIFWE...6:30PM To 7:00PM C/Travl - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pressure Test Tbg To 3,000 Psi, Good Test, Took 7 Bbls Wtr To Fill, L/D, Pumped 30BW Down Tbg W/ Biociede, 1- 2' x 7/8" Pony Sub, 1 1/2" x 30' Polished Rod, 1- 2', 2- 8' x 7/8" Pony Subs, 82- 7/8" Guided Rods, 5- 3/4" Guided Rods, 85- 3/4" Plain Rods, 31- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars W/- Stabilizer Subs (6 Stabilizer Subs), Rod Pmp, X - Over For Tbg, R/D Wellhead, R/U Weatherford BOPS, Release TA, P/U & TIH W/- 3- Jts Tbg, Tag Fill @5546', L/D 3- Jts Tbg, POOH W/ 20 Jts Tbg,..SWIFWE...6:30PM To 7:00PM C/Travl - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg Pumped 30BW, POOH W 157 Jts, TA, 1- Jt, SN, 1- Jt, PBGA, 3- Jts, Bowlplg, (30' Of Fill In Tail Jt), MU 5.5" Bit & Scrapper, SN, TIH W/ 182 Jts, PU & TIH W/ 3Jts to 5546, H/ Oiler RU To Tbg Pumped 40BW W/ Biociede, POOH W/ 80 Jts Tbg Breaking & Redopeing Collers, SWIFN 7:00PM To 7:30PM C/ Travl.. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg Pumped 30BW, POOH W 157 Jts, TA, 1- Jt, SN, 1- Jt, PBGA, 3- Jts, Bowlplg, (30' Of Fill In Tail Jt), MU 5.5" Bit & Scrapper, SN, TIH W/ 182 Jts, PU & TIH W/ 3Jts to 5546, H/ Oiler RU To Tbg Pumped 40BW W/ Biociede, POOH W/ 80 Jts Tbg Breaking & Redopeing Collers, SWIFN 7:00PM To 7:30PM C/ Travl.. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg Pumped 30BW, POOH W 157 Jts, TA, 1- Jt, SN, 1- Jt, PBGA, 3- Jts, Bowlplg, (30' Of Fill In Tail Jt), MU 5.5" Bit & Scrapper, SN, TIH W/ 182 Jts, PU & TIH W/ 3Jts to 5546, H/ Oiler RU To Tbg Pumped 40BW W/ Biociede, POOH W/ 80 Jts Tbg Breaking & Redopeing Collers, SWIFN 7:00PM To 7:30PM C/ Travl.. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pressure Test Tbg To 3,000 Psi, Good Test, Took 7 Bbls Wtr To Fill, L/D, Pumped 30BW Down Tbg W/ Biociede, 1- 2' x 7/8" Pony Sub, 1 1/2" x 30' Polished Rod, 1- 2', 2- 8' x 7/8" Pony Subs, 82- 7/8" Guided Rods, 5- 3/4" Guided Rods, 85- 3/4" Plain Rods, 31- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars W/- Stabilizer Subs (6 Stabilizer Subs), Rod Pmp, X - Over For Tbg, R/D Wellhead, R/U Weatherford BOPS, Release TA, P/U & TIH W/- 3- Jts Tbg, Tag Fill @5546', L/D 3- Jts Tbg, POOH W/ 20 Jts Tbg,..SWIFWE...6:30PM To 7:00PM C/Travl - 5:30 To 6:00 AM C/Trvl, 6:00

AM OWU, R/U H/Oiler To Tbg, Pressure Test Tbg To 3,000 Psi, Good Test, Took 7 Bbls Wtr To Fill, L/D, Pumped 30BW Down Tbg W/ Biociede, 1- 2' x 7/8" Pony Sub, 1 1/2" x 30' Polished Rod, 1- 2', 2- 8' x 7/8" Pony Subs, 82- 7/8" Guided Rods, 5- 3/4" Guided Rods, 85- 3/4" Plain Rods, 31- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars W/- Stabilizer Subs (6 Stabilizer Subs), Rod Pmp, X - Over For Tbg, R/D Wellhead, R/U Weatherford BOPS, Release TA, P/U & TIH W/- 3- Jts Tbg, Tag Fill @5546', L/D 3- Jts Tbg, POOH W/ 20 Jts Tbg,..SWIFWE...6:30PM To 7:00PM C/Travl - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg, Pressure Test Tbg To 3,000 Psi, Good Test, Took 7 Bbls Wtr To Fill, L/D, Pumped 30BW Down Tbg W/ Biociede, 1- 2' x 7/8" Pony Sub, 1 1/2" x 30' Polished Rod, 1- 2', 2- 8' x 7/8" Pony Subs, 82- 7/8" Guided Rods, 5- 3/4" Guided Rods, 85- 3/4" Plain Rods, 31- 3/4" Guided Rods, 6- 1 1/2" x 25' Wt Bars W/- Stabilizer Subs (6 Stabilizer Subs), Rod Pmp, X - Over For Tbg, R/D Wellhead, R/U Weatherford BOPS, Release TA, P/U & TIH W/- 3- Jts Tbg, Tag Fill @5546', L/D 3- Jts Tbg, POOH W/ 20 Jts Tbg,..SWIFWE...6:30PM To 7:00PM C/Travl - Move From The Fed 13-19- 9-18 To The Fed 23-9H-9-17, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, R/D Pmp Unit, Unseat Rod Pmp, R/U H/Oiler To Tbg, Flush Rods W/- 40 Bbls Wtr, Reseat Pmp, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - Move From The Fed 13-19- 9-18 To The Fed 23-9H-9-17, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, R/D Pmp Unit, Unseat Rod Pmp, R/U H/Oiler To Tbg, Flush Rods W/- 40 Bbls Wtr, Reseat Pmp, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - Move From The Fed 13-19- 9-18 To The Fed 23-9H-9-17, MIRUSU, R/U H/Oiler To Csg, Pmp 60 Bbls Wtr, R/D Pmp Unit, Unseat Rod Pmp, R/U H/Oiler To Tbg, Flush Rods W/- 40 Bbls Wtr, Reseat Pmp, SWI, CSDFN @ 7:00 PM, 7:00 To 7:30 PM C/Trvl. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg Pumped 30BW, POOH W 157 Jts, TA, 1- Jt, SN, 1- Jt, PBGA, 3- Jts, Bowlplg, (30' Of Fill In Tail Jt), MU 5.5" Bit & Scraper, SN, TIH W/ 182 Jts, PU & TIH W/ 3Jts to 5546, H/ Oiler RU To Tbg Pumped 40BW W/ Biociede, POOH W/ 80 Jts Tbg Breaking & Redopeing Collers, SWIFN 7:00PM To 7:30PM C/ Travl.. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg Pumped 30BW, POOH W 157 Jts, TA, 1- Jt, SN, 1- Jt, PBGA, 3- Jts, Bowlplg, (30' Of Fill In Tail Jt), MU 5.5" Bit & Scraper, SN, TIH W/ 182 Jts, PU & TIH W/ 3Jts to 5546, H/ Oiler RU To Tbg Pumped 40BW W/ Biociede, POOH W/ 80 Jts Tbg Breaking & Redopeing Collers, SWIFN 7:00PM To 7:30PM C/ Travl.. - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, R/U H/Oiler To Tbg Pumped 30BW, POOH W 157 Jts, TA, 1- Jt, SN, 1- Jt, PBGA, 3- Jts, Bowlplg, (30' Of Fill In Tail Jt), MU 5.5" Bit & Scraper, SN, TIH W/ 182 Jts, PU & TIH W/ 3Jts to 5546, H/ Oiler RU To Tbg Pumped 40BW W/ Biociede, POOH W/ 80 Jts Tbg Breaking & Redopeing Collers, SWIFN 7:00PM To 7:30PM C/ Travl.. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$20,533

7/24/2012 Day: 4

Conversion

Nc#2 on 7/24/2012 - POOH W/ Bit & Scraper, LD Tbg, TIH W/ PKR, Pressure test - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, POOH W/ 55 Jts Tbg Brakeing & Redoping Collers, RU H/ Oiler To Tbg Pumped 40BW, LD 49 Jts, PU & MU Arrow Set PKR As Follows: 2 3/8" Reentry W/ Coller, 2 3/8" XN Nipple, 4'x 2 3/8" Sub, 2 7/8"x 2 3/8" X-over, Arrow Set PKR, "X" Seal, Retrievable Skirt, SN, 135 Jts J-55 2 7/8" Tbg:, RU H/ Oiler To Tbg Pumped 10 BW Pad, Seated NEW Drop Valve, Filled Tbg W/ Fresh Jonhson Wtr, H/ Oiler Pressed Up Tbg To 3000#, Isolated Tbg W/ 3000# For One Hour, GOOD TEST, Retrieved Drop Valve @ 3974', RD Workfloor, NU Injection Tree, RU H/ Oiler To Tbg Pump 70 BW W/ Packer Fluids, Set Arrow Set PKR, Button Down Injection Tree, RU H/ Oiler To Csg (()) To Fill, Pressured Up Csg To 1500#, Isolated Csg W/ 1500#, 300# Loss In 10 Min, Small Leak From Valve, Bleed back Pressure, SWIFN..7:00PM To 7:30PM C/ Travl - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, POOH W/ 55 Jts Tbg Brakeing & Redoping Collers, RU H/ Oiler To Tbg Pumped 40BW, LD 49 Jts, PU & MU Arrow Set PKR As Follows: 2 3/8" Reentry W/ Coller, 2 3/8" XN Nipple, 4'x 2 3/8" Sub, 2 7/8"x 2 3/8" X-over, Arrow Set PKR, "X" Seal, Retrievable Skirt, SN, 135 Jts J-55 2 7/8" Tbg:, RU H/ Oiler To Tbg Pumped 10 BW Pad, Seated NEW Drop Valve, Filled Tbg W/ Fresh Jonhson Wtr, H/ Oiler Pressed Up Tbg To 3000#, Isolated Tbg W/ 3000# For One Hour, GOOD TEST, Retrieved Drop Valve @ 3974', RD Workfloor, NU Injection Tree, RU H/ Oiler To Tbg Pump 70

BW W/ Packer Fluids, Set Arrow Set PKR, Button Down Injection Tree, RU H/ Oiler To Csg (())
To Fill, Pressured Up Csg To 1500#, Isolated Csg W/ 1500#, 300# Loss In 10 Min, Small Leak
From Valve, Bleed back Pressure, SWIFN..7:00PM To 7:30PM C/ Trvl

Daily Cost: \$0

Cumulative Cost: \$119,259

7/25/2012 Day: 5

Conversion

Nc#2 on 7/25/2012 - Prepare For MIT - 5:30 To 6:00 AM C/Trvl, 6:00 AM OWU, Replaced
Gaskets From Well Head Flange, RU H/ Oiler To Csg, Pressuered Csg To 1500#, Isolated Csg
For 1 Hour @ 1500#, GOOD TEST... RDMO @ 12:30PM READY FOR MIT - 5:30 To 6:00 AM
C/Trvl, 6:00 AM OWU, Replaced Gaskets From Well Head Flange, RU H/ Oiler To Csg,
Pressuered Csg To 1500#, Isolated Csg For 1 Hour @ 1500#, GOOD TEST... RDMO @
12:30PM READY FOR MIT

Daily Cost: \$0

Cumulative Cost: \$122,834

7/30/2012 Day: 6

Conversion

Rigless on 7/30/2012 - Conduct initial MIT - On 07/23/2012 Jason Deardorff with the EPA was
contacted concerning the initial MIT on the above listed well. On 07/30/2012 the casing was
pressured up to 1590 psig and charted for 30 minutes with no pressure loss. The well was not
injecting during the test. The tubing pressure was 0 psig during the test. There was not an
EPA representative available to witness the test. EPA# UT20771-09450 - On 07/23/2012
Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed
well. On 07/30/2012 the casing was pressured up to 1590 psig and charted for 30 minutes
with no pressure loss. The well was not injecting during the test. The tubing pressure was 0
psig during the test. There was not an EPA representative available to witness the test. EPA#
UT20771-09450 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$147,604

Pertinent Files: [Go to File List](#)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-50750
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: FEDERAL 23-9-H
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013312060000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2102 FSL 2089 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 09 Township: 09.0S Range: 17.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE 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"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/29/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Put on Injection"/>

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 1:35 PM on 08/29/2012. EPA # UT20771-09450

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 13, 2012

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 8/30/2012	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8



1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUG 24 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Reed Durfey
District Manager
Newfield Production Company
Route 3 – Box 3630
Myton, Utah 84052

RECEIVED
SEP 10 2012
DIV. OF OIL, GAS & MINING

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

RE: Underground Injection Control (UIC)
Limited Authorization to Inject
EPA UIC Permit UT20771-09450
Well: Allen Federal 23-9H-9-17
NESW Sec. 9-T9S-R17E
Duchesne County, Utah
API No.: 43-013-31206

Dear Mr. Durfey:

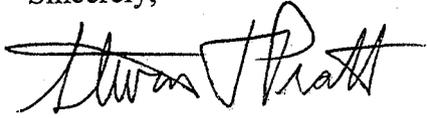
The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) July 31, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20771-09450.

As of the date of this letter, Newfield is authorized to commence injection into the Allen Federal 23-9H-9-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,285 psig for a limited period of 180 days during which time a Radioactive Tracer Survey (RTS) is required according to UIC Permit UT20771-09450. If Newfield seeks a higher MAIP than 1,285 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of, and to comply with, all conditions of Permit UT20771-09450.

If you have questions regarding the above action, please call Bob Near at (303) 312-6278 or (800) 227-8917, extension 312-6278. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-UIC.

Sincerely,


for

Callie A. Videtich
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairman
Richard Jenks Jr., Councilman
Frances Poowegup, Councilwoman
Ronald Wopsock, Vice-Chairman
Phillip Chimburas, Councilman
Stewart Pike, Councilman

Johnna Blackhair
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

NEWFIELD



Schematic

43-013-31206

Well Name: Federal 23-9H-9-17

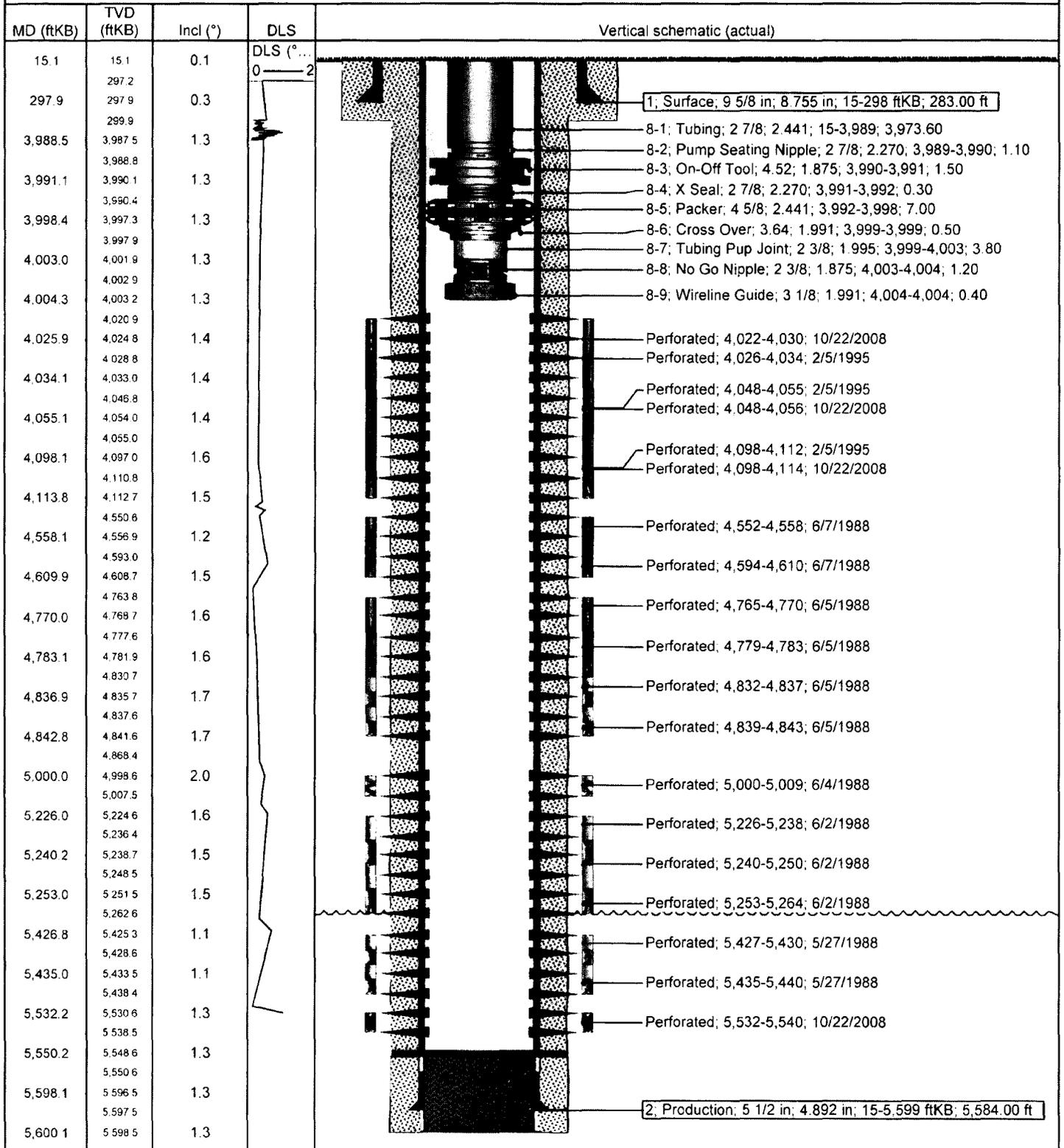
Surface Legal Location 09-9S-17E		API/UWI 43013312060000	Well RC 500151657	Lease	State/Province Utah	Field Name GMBU CTB8	County Duchesne
Spud Date 4/30/1988	Rig Release Date 5/10/1988	On Production Date 6/24/1988	Original KB Elevation (ft) 5,265	Ground Elevation (ft) 5,250	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,550.3	

Most Recent Job

Job Category Production / Workover	Primary Job Type GYRO Survey	Secondary Job Type Survey	Job Start Date 8/1/2012	Job End Date 8/1/2012
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TD: 5,600.0

Vertical - Original Hole, 1/11/2016 9:11:37 AM



NEWFIELD



Newfield Wellbore Diagram Data Federal 23-9H-9-17

Surface Legal Location 09-9S-17E		API/UWI 43013312060000		Lease	
County Duchesne		State/Province Utah		Basin	
Well Start Date 4/30/1988		Spud Date 4/30/1988		Final Rig Release Date 5/10/1988	
Original KB Elevation (ft) 5,265		Ground Elevation (ft) 5,250		Total Depth (ftKB) 5,600.0	
				Total Depth All (TVD) (ftKB)	
				PBD (All) (ftKB) Original Hole - 5,550.3	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	5/2/1988	9 5/8	8.755	43.50	L-80	298
Production	5/9/1988	5 1/2	4.892	17.00	K-55	5,599

Cement

String: Surface, 298ftKB 5/2/1988

Cementing Company	Top Depth (ftKB) 15.0	Bottom Depth (ftKB) 300.0	Full Return?	Vol Cement Ret (bb)
Fluid Description 2% CaCl+ 1/4#/sk Celloflake	Fluid Type Lead	Amount (sacks) 165	Class G	Estimated Top (ftKB) 15.0

String: Production, 5,599ftKB 5/10/1988

Cementing Company BJ Services Company	Top Depth (ftKB) 15.0	Bottom Depth (ftKB) 5,600.0	Full Return?	Vol Cement Ret (bb)
Fluid Description 3% a-2+ 1/4#/SK Celloflake	Fluid Type Lead	Amount (sacks) 205	Class G	Estimated Top (ftKB) 1,505.0
Fluid Description 10% Gypseal	Fluid Type Tail	Amount (sacks) 380	Class G	Estimated Top (ftKB) 3,553.0

Tubing Strings

Tubing Description on				Run Date	Set Depth (ftKB)			
Tubing				7/24/2012	4,004.4			
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	135	2 7/8	2.441	6.50	J-55	3,973.60	15.0	3,988.6
Pump Seating Nipple		2 7/8	2.270			1.10	3,988.6	3,989.7
On-Off Tool		4.515	1.875			1.50	3,989.7	3,991.2
X Seal		2 7/8	2.270			0.30	3,991.2	3,991.5
Packer		4 5/8	2.441			7.00	3,991.5	3,998.5
Cross Over		3.635	1.991			0.50	3,998.5	3,999.0
Tubing Pup Joint		2 3/8	1.995			3.80	3,999.0	4,002.8
No Go Nipple		2 3/8	1.875			1.20	4,002.8	4,004.0
Wireline Guide		3 1/8	1.991			0.40	4,004.0	4,004.4

Rod Strings

Rod Description				Run Date	Set Depth (ftKB)			
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
7	GB4, Original Hole	4,022	4,030	4			10/22/2008
6	GB4, Original Hole	4,026	4,034	4	90	0.420	2/5/1995
7	GB4, Original Hole	4,048	4,056	4			10/22/2008
6	GB4, Original Hole	4,048	4,055	4	90	0.420	2/5/1995
7	GB4, Original Hole	4,098	4,114	4			10/22/2008
6	GB4, Original Hole	4,098	4,112	4	90	0.420	2/5/1995
5	D1, Original Hole	4,552	4,558	4	90		6/7/1988
5	D2, Original Hole	4,594	4,610	4	90		6/7/1988
4	B.5, Original Hole	4,765	4,770	4	90		6/5/1988
4	B.5, Original Hole	4,779	4,783	4	90		6/5/1988
4	B2, Original Hole	4,832	4,837	4	90		6/5/1988
4	B2, Original Hole	4,839	4,843	4	90		6/5/1988
3	A3, Original Hole	5,000	5,009	4	90		6/4/1988
2	LODC, Original Hole	5,226	5,238	4	90		6/2/1988
2	LODC, Original Hole	5,240	5,250	4	90		6/2/1988
2	LODC, Original Hole	5,253	5,264	4	90		6/2/1988
1	CP1, Original Hole	5,427	5,430	4			5/27/1988
1	CP1, Original Hole	5,435	5,440	4			5/27/1988
7	CP3, Original Hole	5,532	5,540	4			10/22/2008



Stimulations & Treatments

Stage#	iSIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,213	0.61	35.0	2,220			
2	2,133		36.0	2,577			
3	1,580		25.0	2,300			
4	1,985		40.0	2,680			
5	1,680		45.0	2,100			
6	1,980		35.0	2,350			
7							
8							
9							
10							
11	3,997	0.77	16.2	4,737			
12	1,844	0.89	16.4	3,707			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Sand 54000 lb
2		Proppant Sand 108000 lb
3		Proppant Sand 54000 lb
4		Proppant Sand 108000 lb
5		Proppant Sand 90000 lb
6		Proppant Ottawa Sand 24000 lb; Proppant Resin Coated Sand (Santrol) 12000 lb
7		
8		
9		
10		
11		Proppant Sand 39902 lb
12		Proppant Sand 51467 lb