

UTAH OIL AND GAS CONSERVATION COMMISSION

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

880700 Request Conf. Data: 9/6/213 Dalem to Enserch et. H-9/6 (Morgan):  
 890607 Chg. of opn name eff 6/89  
 941307 opn Name Change fr P6vE to Dalem eff 10-1-94

DATE FILED 3-16-88  
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-30096 INDIAN

DRILLING APPROVED: 3-21-88 (Exception Location)

SPUDED IN: 7-18-88  
 COMPLETED: 9-11-88 POW PUT TO PRODUCING: 9-11-88 POW

INITIAL PRODUCTION: 116 BOPD  
 GRAVITY A.P.I. 30.0

GOR:  
 PRODUCING ZONES: 5736-46, 5290-5301, 5000-34, 4851-77 GRR ✓

TOTAL DEPTH: 6000  
 WELL ELEVATION: 5836 RB

DATE ABANDONED:  
 FIELD: CASTLE PEAK MONUMENT BUTTE 12-6-96

UNIT:  
 COUNTY: DUCHESNE  
 WELL NO. FEDERAL 23-5-G API #43-013-31207

LOCATION 1592' FSL FT. FROM (N) (S) LINE. 2134' FWL FT. FROM (E) (W) LINE. NE SW 1/4 - 1/4 SEC. 5

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	16E	5	Inland Prod. Co. Enserch Exploit. Inc. Dalem, Dalem, Dalem

Natural Gas  
Corporation of  
California

RECEIVED  
MAR 04 1988

March 2, 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 84/80-1203

Re: NGC #23-5-G Federal  
NW SW Sec. 5, T9S, R16E  
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

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

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  
 2134' FWL, 1592' FSL, Sec. 5, T9S, R16E                      NE $\frac{1}{4}$  SW $\frac{1}{4}$   
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 15 miles southwest from Myton, UT

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

16. NO. OF ACRES IN LEASE  
 1243

17. NO. OF ACRES ASSIGNED  
 TO THIS WELL  
 40

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

19. ROTARY DEPTH  
 5800' *by pipe*

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5740' 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. 43-013-31207 APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 3-21-88  
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
 OF UTAH  
 DEPARTMENT OF ENERGY AND MINING  
 DATE 3-21-88  
 BY John R. Bay  
 WELL SPACING: R615-3-3

\*See Instructions On Reverse Side

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

PROJECT  
**NATURAL GAS CORP. OF CALIFORNIA**

Well location, FEDERAL #23-5-G  
 located as shown in the NE1/4  
 SW1/4 of Section 5, T9S, R16E,  
 S.L.B.&M. Duchesne County, Utah;

BASIS OF ELEVATION

SPOT ELEVATION IN THE SE1/4 NE1/4 OF SECTION 5,  
 T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SW  
 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  
 5822 FEET

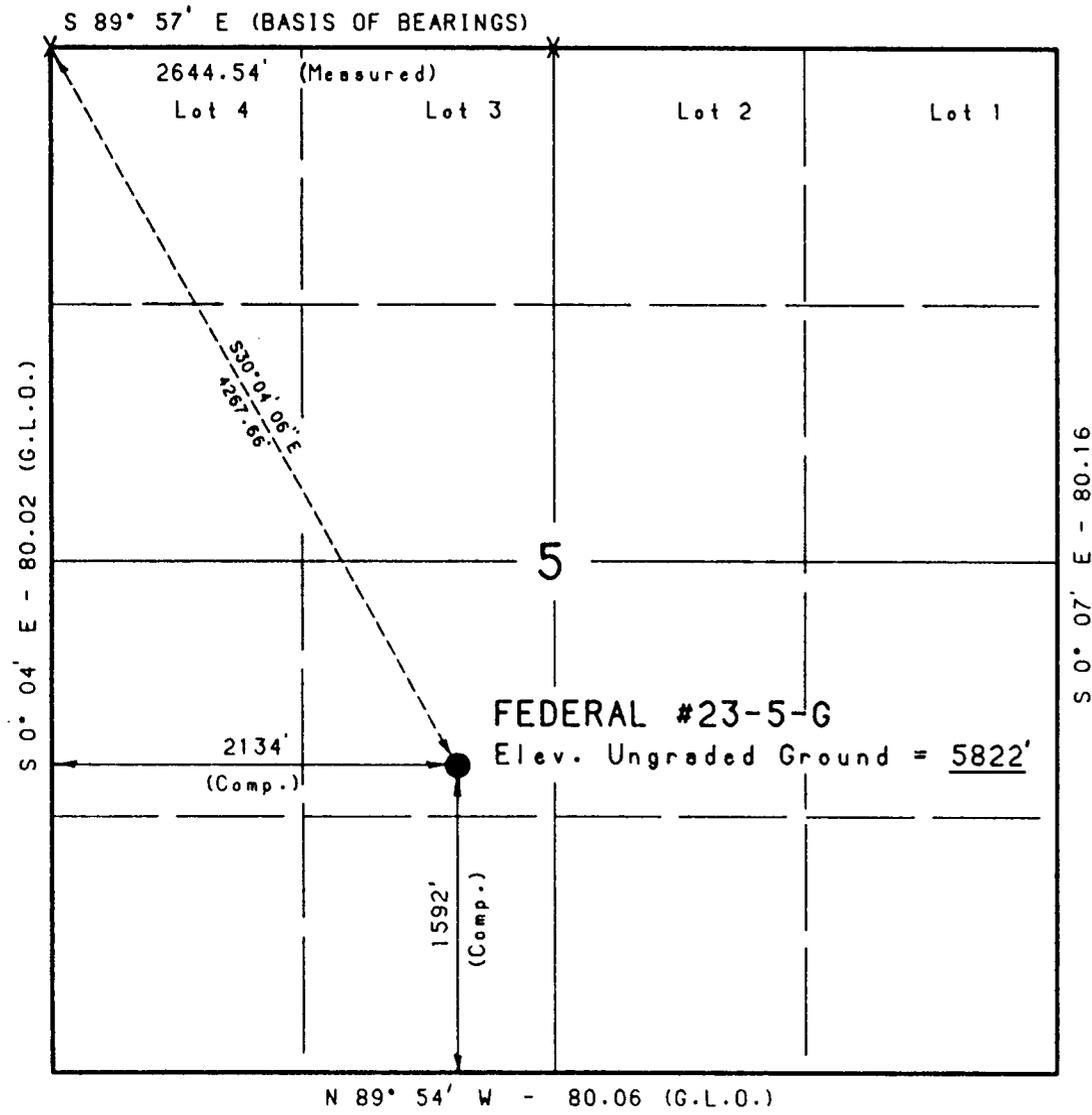


CERTIFICATE

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.

*Helen J. ...*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO 2454  
 STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> P. O. BOX Q - 85 SOUTH - 200 EAST VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 2-2-87
PARTY L.D.T. G.S. J.R.S.	REFERENCES GLD
WEATHER COLD	FILE NATURAL GAS CORP.



X = SECTION CORNERS LOCATED (Brass Caps)

DRILLING PROGRAM

Company Natural Gas Corporation of California Well No. 23-5-G  
Location Section 5 T. 9S R. 16E Lease No. U-30096  
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	+5740'
Green River	1650'	+4090'
Douglas Creek Marker	4744'	+1010'
TD	5800'	- 46'

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	4100' - 5800'
Expected gas zones:	None	
Expected water zones:	None	
Expected mineral zones:	Oil Shale	Top @ 1650'

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

5. Mud Program and Circulating Medium:

<u>Interval</u>	<u>Mud Weight</u> <u>lbs./gal.</u>	<u>Viscosity</u> <u>Sec./Qt.</u>	<u>Fluid Loss</u> <u>ML/30 mins.</u>	<u>Mud Type</u>
0' - 300'	---	---	---	Air
300' - TD	8.4	27	NC	Water

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

6. Testing, Coring, Sampling and Logging:

- a. Testing: As warranted.
- b. Coring: None.
- c. Sampling: 10' intervals 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 2565 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".

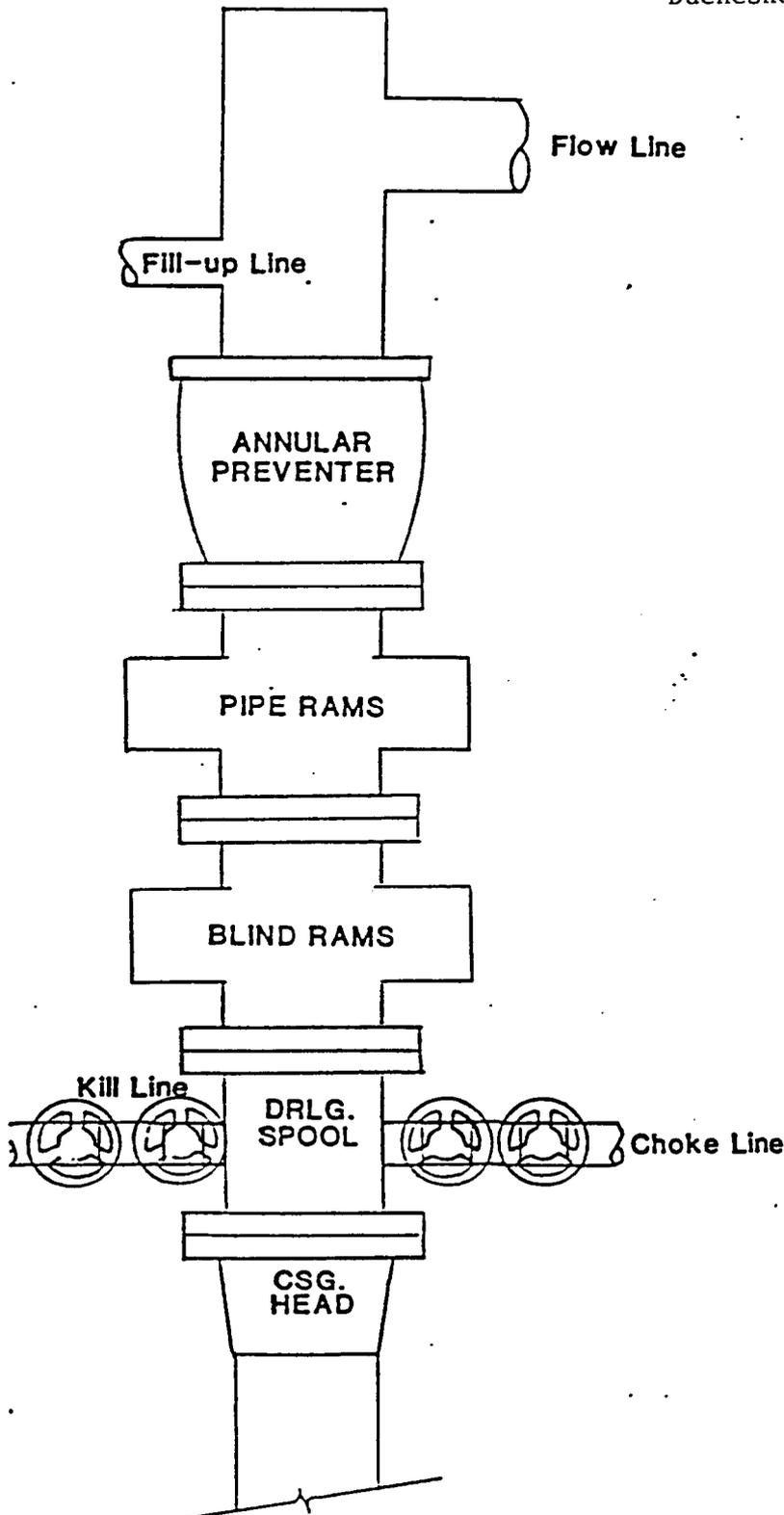
The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons 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)).

NATURAL GAS CORPORATION  
OF  
CALIFORNIA

BOP AND PRESSURE CONTAINMENT DATA

NGC #23-5-G Federal  
NE $\frac{1}{4}$  SW $\frac{1}{4}$  Sec. 5, T9S, R16E  
Duchesne County, Utah



1. BOP equip shall consist of a double gate, hydraulically operated preventer with pipe & blind rams or two single ram type preventors, one equipped w/pipe rams, the other w/blind rams. BOP system will be consistent 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 #23-5-G Federal

Sec. 5, T9S, R16E, 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 #23-5-G Federal located in Section 5, T9S, R16E, S.L.B.& M., Duchesne County, Utah:

Travel southwesterly from Myton, Utah on Highway 40 for 1.5 miles. Turn south on State Highway 53 and proceed two miles to County Road 216. Follow County Road 216 for 4.5 miles to the BLM cattleguard. Turn right and proceed for six miles to the location access road. Follow the access road north for 1400' 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 - 1400'.
- B. Width - 30 foot right-of-way with 18 foot running surface maximum.
- C. Maximum grades - 10%.
- 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.

A Right-of-Way application is needed for the access road. A copy of the ROW grant shall be with the dirt contractor during the construction and thereafter kept on location with the complete copy of the approved APD.

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 southeast corner 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.

The north side of the well pad will be moved south 30 feet.

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' west 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 McMican  
Mike L. McMican, Petroleum Engineer

Onsite Date: 2-9-88

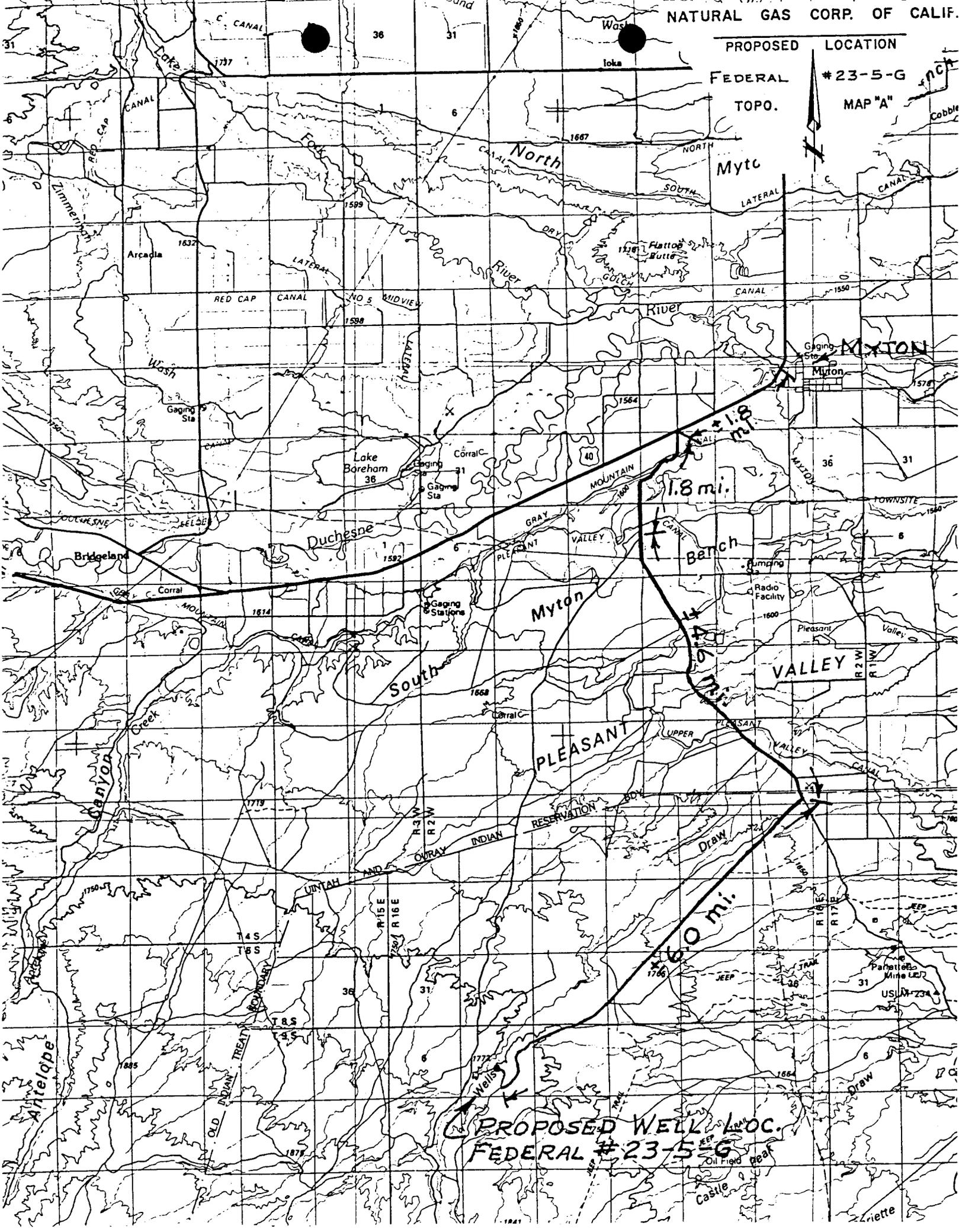
Participants on Joint Inspection:

Tim O'Brien - BLM

Mike McMican - NGC

PROPOSED LOCATION

FEDERAL TOPO. MAP "A" #23-5-G



PROPOSED WELL LOC.  
FEDERAL #23-5-G

Oil Field

Castle

Zriette

PROPOSED LOCATION  
FEDERAL # 23-5-G  
TOPO. MAP "B"



SCALE 1" = 2000'



PROPOSED WELL LOC.  
FEDERAL #23-5-G

Proposed Access Road - 1400'

MYRTON 14.2 mi

5742

5708

36

31

32

5924

5992

6061

12

5893

5950

5947

13

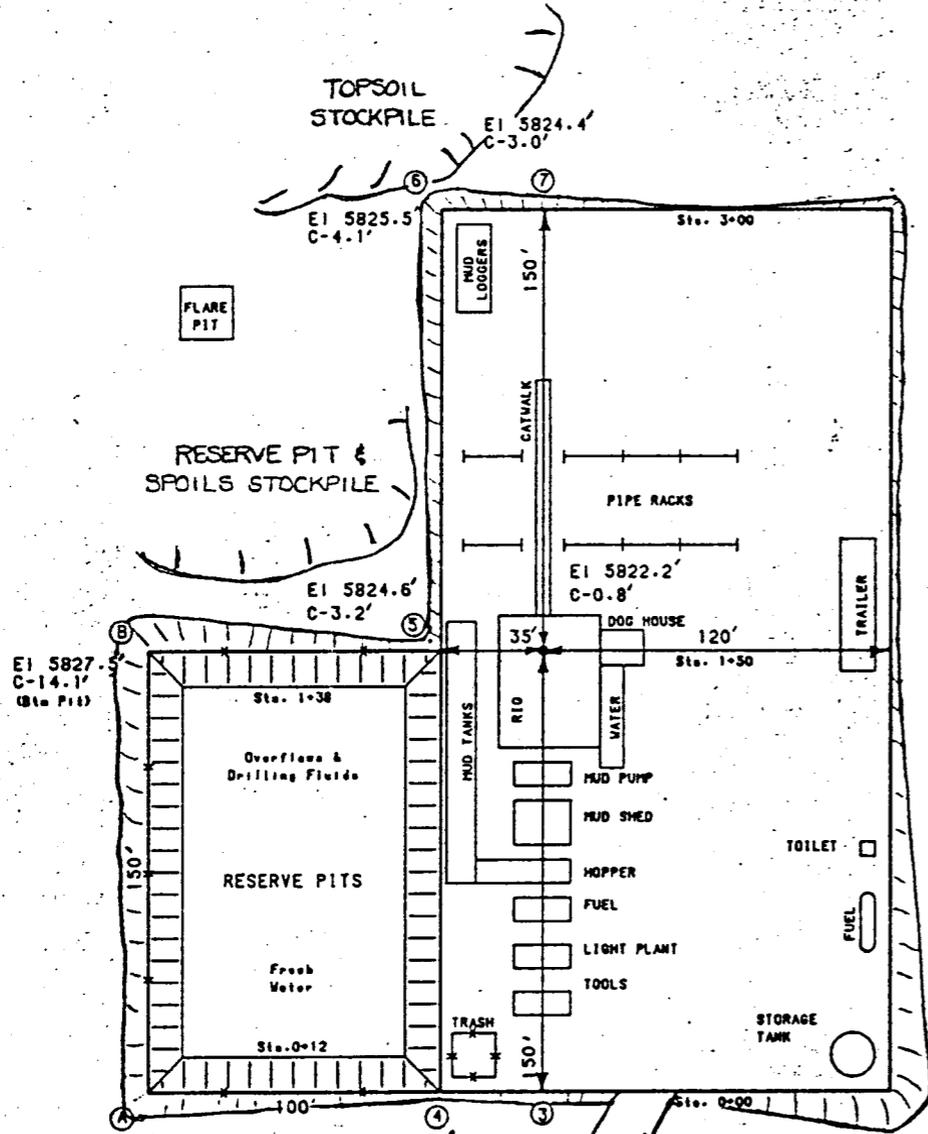
6048

6007

NATURAL GAS CORP. OF CALIFORNIA

FEDERAL #23-5-G

SECTION 5, T9S, R16E.  
S.L.B.&M.



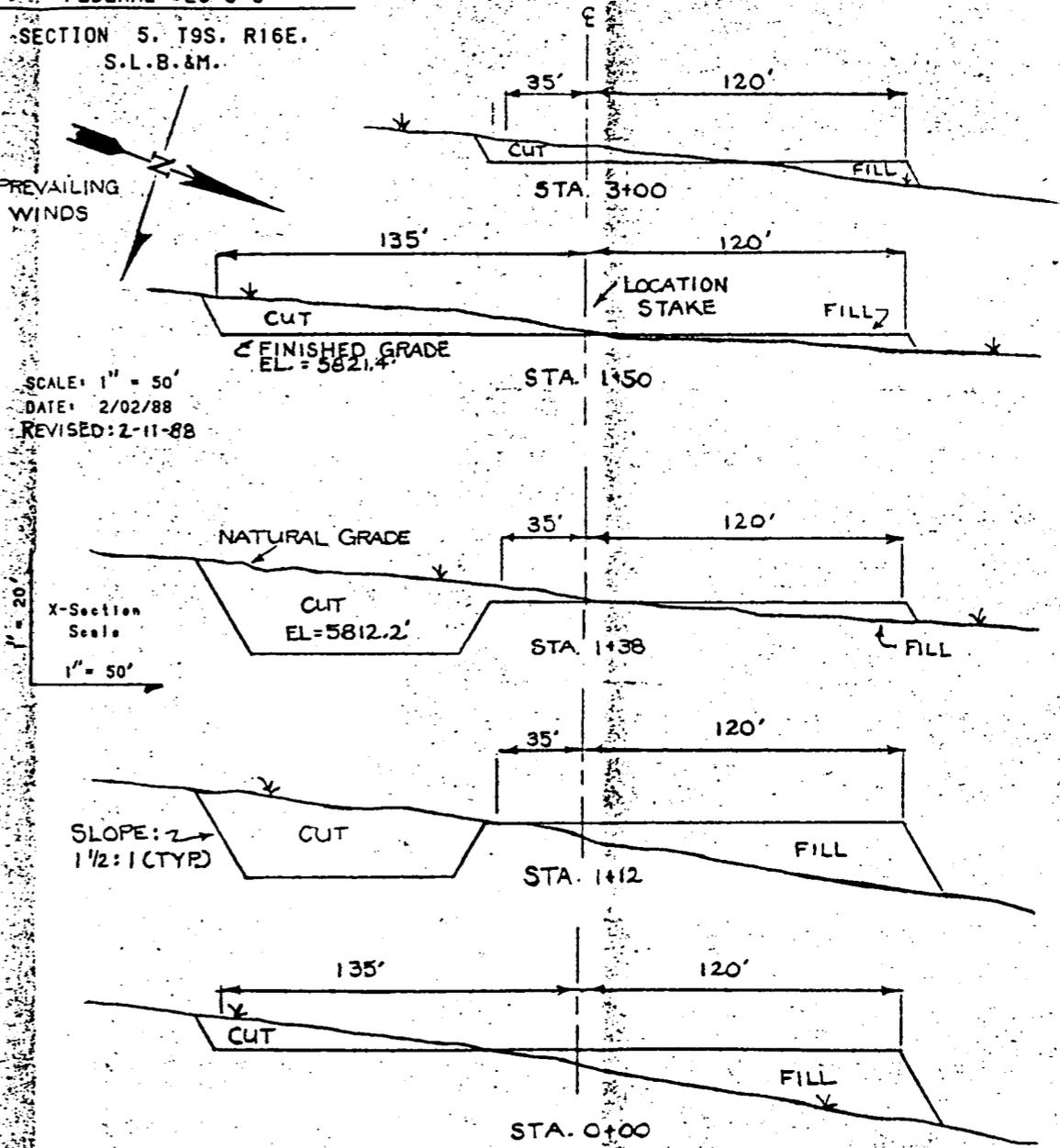
APPROXIMATE YARDAGES

CUT	
(6) Topsoil Stripping	= 1.306 Cu. Yds.
Pit Volume (Below Grade)	= 3.598 Cu. Yds.
Remaining Location	= 2.816 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 7.720 CU. YDS</b>
<b>FILL</b>	<b>= 3.586 CU. YDS</b>

EXCESS MATERIAL AFTER 20% COMPACTION	= 3.238 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3.105 Cu. Yds.
<b>EXCESS UNBALANCE (After Rehabilitation)</b>	<b>= 133 Cu. Yds.</b>



SCALE: 1" = 50'  
DATE: 2/02/88  
REVISED: 2-11-88



PROPOSED LOCATION  
FEDERAL # 23-5-G  
TOPO. MAP "B"



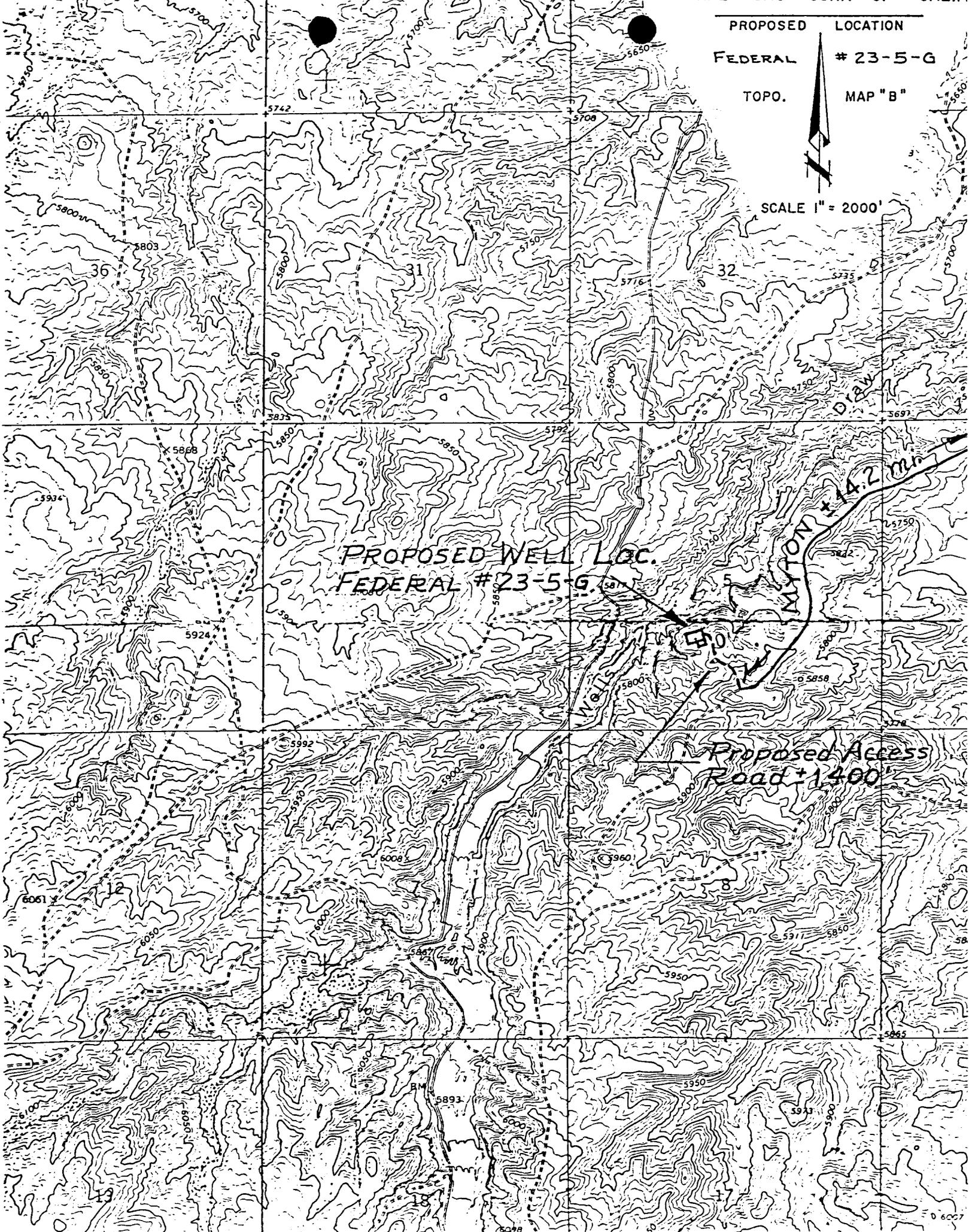
SCALE 1" = 2000'



PROPOSED WELL LOC.  
FEDERAL #23-5-G

Proposed Access  
Road 1400'

WYNTON 14.2 mi



032504

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

WELL NAME Federal 23-5-G

SEC NE sw 5 T 9S R 16E COUNTY Rockwell

43-013-31207  
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

Exception loc. requested

APPROVAL LETTER:

SPACING:  R615-2-3 \_\_\_\_\_ UNIT \_\_\_\_\_  R615-3-2

\_\_\_\_\_ CAUSE NO. & DATE \_\_\_\_\_  R615-3-3

STIPULATIONS:

1- Water permit

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 11-11-89

Natural Gas  
Corporation of  
California

March 14, 1988

RECEIVED  
MAR 16 1988

DIVISION OF  
OIL, GAS & MINING

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

Re: Location Exception - Federal 23-5-G  
2134' FWL, 1592' FSL  
Section 5, T9S, R16E  
Duchesne County, UT

Gentlemen:

Natural Gas Corporation of California is requesting a location exception for the Federal 23-5-G because of topographic considerations. A location within guidelines would have placed the well near the center of Wells Draw which is a fairly major drainage in the area (see attached topographic map). The most feasible alternative was to move onto the small bench just to the southeast.

NGC holds the lease for all of Section 5 (Lease U-30096) except for the southeast quarter which is held by Diamond Shamrock. There are no wells in the west half of the southeast quarter. Our Federal 23-5-G location will be 506' from the lease line.

Sincerely,

*Mike McMican*

Michael L. McMican  
Petroleum Engineer

MLM/kh

Attachment



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

March 21, 1988

NATURAL

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

Gentlemen:

Re: Federal 23-5-G - NE SW Sec. 5, T. 9S, R. 16E  
1592' FSL, 2134' FWL - Duchesne County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, 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:

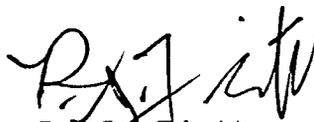
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal 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 23-5-G  
March 21, 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 43-013-31207.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

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       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  
 2134' FWL, 1592' FSL, Sec. 5, T9S, R16E      NE $\frac{1}{4}$  SW $\frac{1}{4}$   
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 15 miles southwest from Myton, UT

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	16. NO. OF ACRES IN LEASE 1243	17. NO. OF ACRES ASSIGNED TO THIS WELL 40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 5800'	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5740' GR	22. APPROX. DATE WORK WILL START* April, 1988	

5. LEASE DESIGNATION AND SERIAL NO.  
U-30096 *Dr.*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
23-5-G

10. FIELD AND POOL, OR WILDCAT  
Castle Peak

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 5, T9S, R16E

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



43-013-31207

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 Donald E. Kenegon TITLE Acting ASSISTANT DISTRICT MANAGER MINERALS DATE 4/29/88  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL  
WITHIN THE UINTAH OURAY RESERVATION

Company Natural Gas Corporation of California Well No. 23-5-G

Location Sec. 5 T9S R16E Lease No. U-30096

Onsite Inspection Date February 9, 1988

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.

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 400-650' and 1,400-1,600'.
- Fresh water is anticipated in the Green River Formation from 1,800-2,000', 2,500-2,700', 4,000-4,400', and 5,200-5,800'.
- Oil shale is anticipated in the Mahogany Zone of the Green River Formation from 3,100-3,230'.

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.

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

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

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-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED  
JUL 14 1988

1. OIL WELL  GAS WELL  OTHER

UNIT AGREEMENT NAME

2. NAME OF OPERATOR  
Natural Gas Corporation of California

FARM OR LEASE NAME

Federal

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

9. WELL NO.  
23-5-G

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

Castle Peak

2134' FWL, 1592' FSL, NE $\frac{1}{4}$  SW $\frac{1}{4}$

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

Sec. 5, T9S, R16E

14. PERMIT NO.  
43-013-31207

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5740' 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:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF  PULL OR ALTER CASING   
 FRACTURE TREAT  MULTIPLE COMPLETE   
 SHOOT OR ACIDIZE  ABANDON\*   
 REPAIR WELL  CHANGE PLANS   
 (Other) REQUEST CONFIDENTIAL STATUS

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

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

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

Natural Gas Corporation of California requests that all information concerning this well be placed in a confidential status.

**CONFIDENTIAL**

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

SIGNED Mike McMican TITLE Petroleum Engineer DATE July 12, 1988  
 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

Natural Gas  
Corporation of  
California

RECEIVED  
JUL 14 1988

July 12, 1988

DIVISION OF  
OIL, GAS & MINING

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

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

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

CONFIDENTIAL

Re: NGC 23-5-G Federal  
NE/SW Sec. 5, T9S, R16E  
Duchesne County, UT

Gentlemen,

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

Sincerely,

*Mike McMican*

Mike McMican  
Petroleum Engineer

Attachment

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



**RECEIVED**  
JUL 22 1988

OPERATOR Natural Gas Corp. of CA  
ADDRESS 85 South 200 East  
Vernal, UT 84078

OPERATOR CODE N0700  
PHONE NO. (801) 789-4573

**DIVISION OF OIL, GAS & MINING**

OPERATORS MUST COMPLETE THIS FORM UPON DRILLING 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		
AB	99999	06105	43-013-31207	Federal 23-5-G	NE SW	5	9S	16E	Duchesne	7/18/88	
<p>COMMENTS: Federal lease Proposed zone - GRRU Field - Castle Peak (one other well in sec. 5. Same operator, same field, same lease number U-30096, GRRU) Not in a unit formation, 43-013-30698 not confidential entity 06105. Call operator to confirm request for new entity number assignment. Assign same entity 06105 as per review &amp; operator 7-25-88 JCR</p>											
<b>CONFIDENTIAL</b>											
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  
7/19/88  
DATE

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-30096
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2134' FWL, 1592' FSL, Sec. 5, T9S, R16E NE/SW		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-013-31207		9. WELL NO. 23-5-G
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5740' GR		10. FIELD AND POOL, OR WILDCAT Castle Peak
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

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

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

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

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

Operator reports that the subject well was spudded with a dryhole digger (Leon Ross Drilling and Construction) at 9 a.m. on July 18, 1988. On July 19, 1988 9-5/8", 53.5#, L-80, LTC csg was set at 300' KB and cemented to surface w/165 sx 'G'+ 2% CaCl<sub>2</sub> and 1/4#/sk flocele.

**CONFIDENTIAL**

JUL 22 1988

DIVISION OF  
OIL, GAS & MIN.

Copies: WGPaulsell; SFurtado; LJorgensen; Bhill; HCulp; DivOG&M; Chorney; RDavis & Assoc.

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

SIGNED Mike McMican TITLE Petroleum Engineer DATE July 20, 1988  
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

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

SUBMIT IN TRIPPLICATE\*  
(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 wells. Use "APPLICATION FOR PERMIT—" for such proposals.)

**RECEIVED**  
AUG 1 1988

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. U-30096
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2134' FWL, 1592' FSL, Sec. 5, T9S, R16E NE/SW		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-013-31207	15. ELEVATIONS (Show whether DP, BT, GR, etc.) 5740' GR	9. WELL NO. 23-5-G
		10. FIELD AND POOL, OR WILDCAT Castle Peak
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E
		12. COUNTY OR PARISH   13. STATE Duchesne   Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) 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 status report for the subject well from July 7 through July 29, 1988.

**CONFIDENTIAL**

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

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE 7/29/88  
(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

**RECEIVED**  
AUG 1 1988

NGC ENERGY COMPANY

DIVISION OF  
OIL, GAS & MINING

NGC OPERATED - DRILLING

Natural Gas Corporation  
Pleasant Valley  
Federal #23-5-G

2134' FWL 1592' FSL, NE/SW Sec 5, T9S-R16E  
Duchesne Co., UT. PTD 5800'. Objective:  
Green River. NGCE has 75% WI. Contractor:  
F & G Construction. Spud: N/A. AFE #8909  
TOTAL AFE AMT \$425,570. DRLG AFE AMT \$116,670  
COMP AFE AMT \$308,900  
Elevations: 5740' GR 5755' KB

7-7-88 MI equipment and started building location & road.  
7-8-88 Building location & road.  
7-11-88 Building location & road.  
7-12-88 Building location - should finish today.  
7-13-88 Finish building location, waiting on dryhole digger. Daily cost \$7,140; CDC \$7,140  
7-14-88 Waiting on dryhole digger. Daily cost \$0; CDC \$7,140  
7-15-88 Waiting on dryhole digger. Daily cost \$0; CDC \$7,140  
7-18-88 Leon Ross moved in dryhole digger preparing to spud 12-1/4" hole. Daily cost \$0; CDC \$7,140  
7-19-88 TD 300'. Spud 12-1/4" surface w/dryhole digger @ 9:00 A.M.  
7-18-88. Drilled to 300' & SDFN. Daily cost \$3,700; CDC \$10,840  
7-20-88 TD 300'. Ran 7 jts of 9-5/8" 53.5# L-80, LT&C casing (287.47') set @ 300'KB (KB = 15'). Cemented w/165 sx of Class "G" + 2% CaCl2 + 1/4#/sk flocele. Good cement to surface. Leon Ross built cellar. Waiting on Olsen Rig #5. Daily Cost \$4,920; CDC \$15,760  
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7-26-88 TD 300'. Olsen Rig #5 to move in and start rigging up today. CDC \$23,985  
7-27-88 TD 300'. MI & RU Olsen Rig #5. Should spud this afternoon. Daily cost \$350; CDC \$23,985  
7-28-88 TD 500'. Finish rigging up. Test BOP's. Drill out cement & spud new formation @ 10:00 pm 7-27-88. Made 200'. MW 8.3, VIS 27, PH 10.5. Bit #1: 7-7/8", STC, type F17, SN KE6993 in @ 300'. Drilling @ 25.8 FPH. Survey: 1/4 DEG @ 327'. Daily cost \$2,340; CDC \$26,675  
7-29-88 TD 1584'. Made 1084' in 23-1/2 hrs. Drilling at a rate of 46.1 fph. MW 8.3, VIS 27, PH 10. Bit #1: 7-7/8", STC, type F17, SN KE6993 in @ 300'. Survey: 1/2 DEG @ 1314'. Daily cost \$10,385; CDC \$37,060

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE  
(Other instructions on re-  
verse side)

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.)

3. LEASE DESIGNATION AND SERIAL NO. U-30096

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

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

8. FARM OR LEASE NAME Federal

9. WELL NO. 23-5-G

10. FIELD AND POOL, OR WILDCAT Castle Peak

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E

12. COUNTY OR PARISH Duchesne 13. STATE Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
2134' FWL, 1592' FSL, Sec. 5, T9S, R16E  
NE/SW

14. PERMIT NO. 43-013-31207 15. ELEVATIONS (Show whether DP, RT, GR, etc.) 5740' GR

AUG 8 1988

DIVISION OF  
OIL, GAS & MINING

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) \_\_\_\_\_

(Other) Weekly Status Report

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

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

Attached is the status report for the subject well from July 30 through August 5, 1988.

CONFIDENTIAL

CONFIDENTIAL

Copies: Div. OG&M; Chorney; Paulsell; Furtado; B Hill; LJorgensen; HCulp

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

SIGNED Karla Hanberg  
Karla Hanberg

TITLE Office Supervisor

DATE August 5, 1988

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

NGC ENERGY COMPANY

NGC OPERATED - DRILLING

Natural Gas Corporation 2134' FWL 1592' FSL, NE/SW Sec 5, T9S-R16E  
 Pleasant Valley Duchesne Co., UT. PTD 5800'. Objective:  
 Federal #23-S-6 Green River. NGCE has 75% WI. Contractor:  
 F & G Construction. Spud: N/A. AFE #8909  
 TOTAL AFE AMT \$425,570. DRLG AFE AMT \$116,670  
 COMP AFE AMT \$308,900  
 Elevations: 5740' GR 5755' KB

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 7-8-88 Building location & road.  
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 7-20-88 TD 300'. Ran 7 jts of 9-5/8" 53.5# L-80, LT&C casing (297.47') set  
 @ 300'KB (KB = 15'). Cemented w/165 sx of Class "G" + 2% CaCl2 +  
 1/4#/sk flocele. Good cement to surface. Leon Ross built cellar.  
 Waiting on Olsen Rig #5. Daily Cost \$4,920; CDC \$15,760  
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 7-28-88 TD 500'. Finish rigging up. Test BOP's. Drill out cement & spud  
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 KE6993 in @ 300'. Survey: 1/2 DEG @ 1314'. Daily cost \$10,385; CDC  
 \$37,060  
 7-30-88 TD 2648'. Made 1064' in 23-1/2 hrs. Drilling at a rate of 45.3  
 fph. MW 8.3, VIS 27, PH 12. Bit #1: 7-7/8", STC, type F17, SN  
 KE6993 in @ 300'. Survey: 3/4 DEG @ 2323'. Daily cost \$11,920;  
 CDC \$48,880  
 7-31-88 TD 3410'. Made 762' in 23-3/4 hrs. Drilling at a rate of 32.1 fph.  
 MW 8.3, VIS 27, PH 11.5. Survey: 1-1/4 DEG @ 3388'. Daily cost  
 \$7,800; CDC \$56,680

Federal #23-5-6 cont'd ...

8-1-88 TD 3951'. Made 456' in 14-3/4 hrs. Drilling @ 30.9 fph. POOH for new bit. Survey 2 DEG @ 3866'. RIH with Bit #2 and drilled to 3951'. Made 85' in 2-1/2 hrs, 34 fph. MW 8.4+, VIS 27, PH 11.5. Bit #1: 7-7/8", STC, type F17, SN KE5993 in @ 300', out @ 3866'. Bit #2: 7-7/8", STC, type F17, SN KH0243 in @ 3866'. Daily cost \$8,055; CDC \$64,735.

8-2-88 TD 4600'. Made 649' in 23-1/2 hrs. Drilling at a rate of 27.6 fph. MW 8.4+, VIS 27, PH 12. Survey: 2-1/2 DEG @ 4378'.  
'A' Sand @ 4194'  
'B' Sand @ 4534'  
Daily cost \$8,495; CDC \$73,230

8-3-88 TD 5161'. Made 561 in 23-1/2 hrs. Drilling at a rate of 24.1 fph. MW 8.4+, VIS 27, PH 11.5. Survey: 1-1/2 DEG @ 4870'.  
DC marker @ 4813'  
DC2 marker @ 4836'  
DC3 marker @ 4862'  
Daily cost \$7,135; CDC \$80,365

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D marker @ 5062'  
E marker @ 5194'  
E2 marker @ 5364'  
F marker @ 5710'  
Daily cost \$6,725; CDC \$87,090

8-5-88 TD 6000'. Made 217 in 9-1/4 hrs. Drilling at a rate of 23.5 fph. MW 8.4+, VIS 27, PH 10.5. Survey 3/4 DEG @ 6000', circ & cond hole, POOH for logs (SLM = 5998'). Log with Welex (DIL-SFL-FDC-CNL-GR-CAL). TIH to condition for casing. Daily cost \$6,790; CDC \$93,880

RECEIVED  
AUG 15 1988

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

DIVISION OF  
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Federal 23-5-G

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

Contractor Leon Ross Drilling Address Hancock Cove

Location NE 1/4 SW 1/4 Sec. 5 T. 9S R. 16E County Duchesne

Water Sands

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

(Continue on reverse side if necessary)

Formation Tops

Remarks

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(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 wells. Use "APPLICATION FOR PERMIT—" for such purposes.)

**RECEIVED**  
AUG 22 1988

3. LEASE DESIGNATION AND SERIAL NO.  
U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
23-5-G

10. FIELD AND POOL, OR WILDCAT  
Castle Peak

11. SEC., T., R., M., OR BLK. AND SUBST. OR AREA  
Sec. 5, T9S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
2134' FWL, 1592' FSL, Sec. 5, T9S, R16E  
NE/SW

DIVISION OF OIL, GAS & MINING

14. PERMIT NO.  
43-013-31207

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5740' GR

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

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

(Other) Weekly Status Report

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

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Attached is the status report for the period of August 6 thru August 19, 1988.

**CONFIDENTIAL** **CONFIDENTIAL**

Copies: Div. OG&M; Chorney; Paulsell; Furtado; Hill; Jorgensen; Culp

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE August 19, 1988

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL IF ANY:

\*See Instructions on Reverse Side

NGC ENERGY COMPANY

NGC OPERATED - DRILLING

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Federal #23-5-G cont'd ...

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8-6-88 TD 6000'. Finish TIH, wash 30' to btm, circ & cond. LD drill pipe and DC. Run 5-1/2" 17# K-55 LTC casing to 6000'. Cemented w/195 sx Class "G" + 3% thriftylite + 1/4#/sx flocele, followed by 445 sx "G" + 10% thixad, displaced w/3% KCL. Good circ throughout, float held good, set slips & cutoff, released rig @ 4:00 am 8-6-88. MW 8.4+, VIS 27, PH 10.5. FINAL REPORT. Daily cost \$4,065; CDC \$97,945

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE\*  
(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.)

RECEIVED  
AUG 29 1988

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. U-30096																								
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14. PERMIT NO. 43-013-31207	15. ELEVATIONS (Show whether DP, RT, GR, etc.) 5740' GR	9. WELL NO. 23-5-G																								
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Castle Peak																								
<table border="0"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> <tr> <td colspan="2">(Other) Weekly Status Report <input checked="" type="checkbox"/></td> <td colspan="2">(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</td> </tr> </table>		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.)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E
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"/>																							
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(Other) Weekly Status Report <input checked="" type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)																								
		12. COUNTY OR PARISH Duchesne																								
		13. STATE Utah																								

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

Attached is the status report for the period of August 20 thru August 26, 1988.

**CONFIDENTIAL**

Copies: Div. OG&M; Chorney; Paulsell; Furtado; Hill; Jorgensen; Culp

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE Aug. 26, 1988

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

**NGC ENERGY COMPANY**

**NGC OPERATED - COMPLETION**

**Natural Gas Corporation  
Pleasant Valley  
Federal #23-5-G**

**TIGHT HOLE**

2134' FWL 1592' FSL, NW/SW Sec 5-T9S-R16E, Duchesne Co., UT.  
PTD 5800'. Objective: Green River. Elevations: 5740'GR;  
5755'KB. NGCE has 75% WI. Contractor: Olsen Rig #5. Spud:  
7/18/88. AFE #8909. TOTAL AFE AMT \$425,570. DRLG AFE AMT  
\$116,670. COMP AFE AMT \$308,900

- 8-16-88 Day 1. MIRU Western Oil Well Service Rig #21. NU BOP's. PU 5-1/2" csg scraper & 4-3/4" mill. RIH w/2-7/8" tbg to 5911'KB. RU pmp & lines. Circ & displace well w/3% KCL w/clay-sta & bacteriacide. POOH w/2-7/8" tbg and tools. SION. Today's operations: Run cement bond log & perforate interval 5736'-46'. Daily cost \$69,187; CCC \$69,187
- 8-17-88 RU Welex and run Cement Bond Log from 5911'-1060'. Est cement top @ 1190'. Pressure test csg to 3000# Held OK. RIH w/4" casing guns and perforate interval 5736'-46' 4 SPF 90 DEG phased. PU Howco RBP and run in hole w/2-7/8" tbg. Set RBP @ 5840'. Pull out of hole w/tbg & SION. Daily cost \$8,990; CCC \$78,177
- 8-18-88 Day 3. RU Dowell Schlumberger and frac interval @ 5736'-46'.

<u>Rate</u> <u>(BPM)</u>	<u>Pressure</u> <u>(CSG)</u>	<u>Volume</u> <u>(BBls)</u>	<u>Event</u>
8	2400	0	Start pad
40	2582	143	Start 100 mesh 1/2# ramp
40	2559	190	1# 100 mesh ramp
40	2426	238	1# 20/40 on ramp
40	2225	313	1.4# on ramp
40	2074	391	2.4# on ramp
40	1927	472	3.3# on ramp
40	1831	556	4.2# on ramp
40	1704	644	5.1# on ramp
40	1579	734	Start 16/30
40	1580	825	6.5# on ramp
40	1959	930	Start flush
40	2829	1063	Shut down
			ISIP 2010
			5 min 1836
			10 min 1762
			15 min 1730
			Pumped 102,000# total sand
			961 bbls fluid

Federal #23-5-G cont'd ...

Today's operation: flow back after frac. Daily cost \$18,176; CCC \$96,353

8-19-88 Day 4. 16 SICP = 1200#. Flow well to pit on adjustable choke:

Time	Choke	Csg Press	Bbls	Remarks
7:00	8/64	1200	0	Start Flow back
8:00	8/64	1100	20	Slick Fluid
9:00	8/64	1000	40	Slick Fluid
10:00	10/64	850	60	Slick Fluid
11:00	12/64	675	100	Slick Fluid
12:00	3/4	200	140	Slick Fluid
12:30	2	100	200	Slick Fluid

At 12:30 flowed well to pit on 2" choke while tripping in hole w/2-7/8" tbg & ret. tool for plug. Tagged sand @ 5761' (79 of fill). Rig up & clean out to RBP @ 5840'. Released RBP & move up to 5400', reset & test to 3000# - held ok. POOH w/2-7/8" tbg & ret. tool. SION. Daily load Rec = 225 bbls, Accum load rec = 225 bbls, Accum total load = 961 bbls. **Today's Operation:** Perforate & frac interval 5292'-5301'. Daily cost \$2,480; CCC \$98,833

8-20-88 Day 5. RU Welex and RIH w/4" csg guns. Perforate interval 5292'-5301', 4 SPF, 120 DEG phasing. RU Dowell Schlumberger and frac zone as follows:

Rate (BPM)	Pressure (CSG)	Volume (BBLS)	Event
2	2700	0	Start Pad
30	2200		Shut down for ISIP 1600#
30	2200		Start pumping
30	2275	48	Start 1/2# 100 mesh
30	2175	96	Start 1# 100 mesh
30	2147	144	Start 20/40 on ramp
30	2097	180	1.4# @ blender
30	2010	219	2.4# @ blender
30	1895	260	3.3# @ blender
30	1790	302	4.4# @ blender
30	1635	346	5# @ blender
30	1543	391	Start 16/30 mesh
30	1438	436	
30	1470	492	Start flush
30	2440	615	Shut down

Max pressure = 2700# ISIP = 1950#  
 Avg 30 BPM @ 2050# 5 min = 1525#  
 564 total bbls, 54,000# sand 15 min = 1236#  
**Today's Operation:** Flow back after frac. Daily cost \$15,779; CCC \$114,603

Federal #23-5-G cont'd ...

8-21-88 Day 6. Check pressure - 175# SICP. Flow well to pit. Well flowed dead immediately. PU ret. tool for RBP & RIH w/2-7/8" tbg. Tagged sand @ 5238'. RU and circ out sand to top of RBP @ 5400'. Release RBP. Move up and reset @ 5130'. Pressure test to 3000# - held ok. POOH w/tbg and ret tool. RU Welex. RIH w/4" csg gun and perforate interval @ 5020', 4 SPF, 120 DEG phasing. SION. Today's Operation: Frac interval 5020'-34' w/Dowell Schlumberger. Daily cost \$3,289; CCC \$117,892

8-22-88 Day 7. RU Dowell Schlumberger and frac interval 5020'-34' as follows:

Rate (BPM)	Pressure (CSG)	Volume (BBLs)	Event
2		0	Start Pad
30	2088	54	Shut down ISIP 1550#
30	1932	54	Start again
30	2047	95	Start 1/2# 100 mesh
30	2124	166	Start 1# 100 mesh
30	2106	237	Start 20/40 on ramp
30	2047	312	Start 2# 20/40
30	2005	390	Start 3# 20/40
30	1951	471	Start 4# 20/40
35	1946	555	Start 5# 20/40
40	1868	643	Start 6# 20/40
40	1960	734	Start 6# 16/30
40	2106	825	Start 7# 16/30
40	2490	870	Start flush
26	3400	986	Shut down
Max pressure = 3600#			ISIP = 2560#
Avg 35 BPM @ 2148#			5 min = 1708#
890 BBLs, 92,000# sand			10 min = 1534#
			15 min = 1447#

Today's Operation: Flow back after frac. Daily cost \$18,661; CCC \$136,553

8-23-88 Day 8. SICP = 300#. RU & flow well to pit on adjustable choke. Well flowed down in one hour. PU ret tool for RBP & RIH w/2-7/8" tbg. Tagged sand @ 5024'. Clean out to top of RBP @ 5130'. Release plug. Move up to 4900' and reset. Pressure test to 3000# - held ok. POOH w/tbg and ret tool. RU Welex. RIH w/4" casing guns and perforate 2 intervals 4851'-55' & 4857'-77' 4 SPF 120 DEG phasing. RD Welex & SION. Daily load recovered = 50 bbls; Accum total load = 890 bbls. Today's Operation: Frac interval 4851'-77' w/Dowell Schlumberger. Daily cost \$3,572; CWC \$140,125

Federal #23-5-G cont'd ...

8-24-88 Day 9. RU Dowell Schlumberger and frac interval  
4851'-77' as follows:

<u>Rate</u> <u>(BPM)</u>	<u>Pressure</u> <u>(Casing)</u>	<u>Volume</u> <u>(BBLs)</u>	<u>Event</u>
4	2450	0	Start Pad
40	1891	214	Start 1/2# 100 mesh
40	1927	310	Start 1# 100 mesh
40	1891	405	Start 1# 20/40 on ramp
45	1895	504	1.7# on ramp
45	1925	608	2.8# on ramp
45	1927	716	3.8# on ramp
45	1685	829	4.7# on ramp
45	1666	946	5.8# on ramp
45	1726	1070	6# 16/30 on ramp
45	1817	1190	6.5# on ramp
45		1340	Start flush
45	2692	1453	End of treatment

Avg 45 BPM @ 2000#	ISIP = 2078
Max pressure = 2692#	5 min = 1817
136,000# 20/40 & 16/30	10 min = 1740
	15 min = 1698

Today's Operation:

Flow back after frac. Daily cost \$24,848;

CCC \$164,973

8-25-88 Day 10. 24 hr SICP = 400#. Flow well to pit & blew to 0 psi in 2 hrs. RIH w/tbg and clean out to RBP @ 4900'. POOH w/RBP, RIH w/NC & anchor to 5780'. SDON. Today's Operation: Clean up and swab test well. Daily cost \$1,535; CCC \$166,508

8-26-88 Day 11. 12 hr SITP = 50#, SICP = 150#. RU & swab well. Fluid level @ surface. Made 58 swab runs & recovered approximately 322 bbls total fluid (approximately 40 bbls oil). Fluid level staying @ 1100' (approximately 85% oil in last 5 runs). SION. Today's Operation: Run rods & pump. Daily cost \$1,756; CCC \$168,264

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 purposes.)

RECEIVED  
SEP 6 1988

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  
2134' FWL, 1592' FSL, Sec. 5, T9S, R16E  
NE/SW

5. LEASE DESIGNATION AND SERIAL NO.  
U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
23-5-G

10. FIELD AND POOL, OR WILDCAT  
Castle Peak

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 5, T9S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

14. PERMIT NO.  
43-013-31207

15. ELEVATIONS (Show whether DF, ST, GR, etc.)  
5740' GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <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 August 27 through August 31, 1988. Current status is waiting on production equipment.

CONFIDENTIAL

Copies: Div. OG&M; Chorney; Paulsell; Furtado; Hill; Jorgensen; Culp

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

SIGNED Karla Hanberg TITLE Office Supervisor DATE Sept. 1, 1988

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

NGC ENERGY COMPANY

NGC OPERATED - COMPLETION

Natural Gas Corporation  
 Pleasant Valley  
 Federal #23-5-G

TIGHT HOLE

2134' FWL 1592' FSL, NW/SW Sec 5-T9S-R16E, Duchesne Co., UT.  
 PTD 5800'. Objective: Green River. Elevations: 5740'GR;  
 5755'KB. NGCE has 75% WI. Contractor: Olsen Rig #5. Spud:  
 7/18/88. AFE #8909. TOTAL AFE AMT \$425,570. DRLG AFE AMT  
 \$116,670. COMP AFE AMT \$308,900

8-16-88 Day 1. MIRU Western Oil Well Service Rig #21. NU  
 BOP's. PU 5-1/2" csg scraper & 4-3/4" mill. RIH  
 w/2-7/8" tbg to 5911'KB. RU pmp & lines. Circ &  
 displace well w/3% KCL w/clay-sta & bacteriacide.  
 POOH w/2-7/8" tbg and tools. SION. Today's  
operations: Run cement bond log & perforate  
 interval 5736'-46'. Daily cost \$69,187; CCC  
 \$69,187

8-17-88 RU Welex and run Cement Bond Log from 5911'-1060'.  
 Est cement top @ 1190'. Pressure test csg to 3000#  
 Held OK. RIH w/4" casing guns and perforate  
 interval 5736'-46' 4 SPF 90 DEG phased. PU Howco  
 RBP and run in hole w/2-7/8" tbg. Set RBP @ 5840'.  
 Pull out of hole w/tbg & SION. Daily cost \$8,990;  
 CCC \$78,177

8-18-88 Day 3. RU Dowell Schlumberger and frac interval @  
 5736'-46'.

<u>Rate</u> <u>(BPM)</u>	<u>Pressure</u> <u>(CSG)</u>	<u>Volume</u> <u>(BBls)</u>	<u>Event</u>
8	2400	0	Start pad
40	2582	143	Start 100 mesh 1/2# ramp
40	2559	190	1# 100 mesh ramp
40	2426	238	1# 20/40 on ramp
40	2225	313	1.4# on ramp
40	2074	391	2.4# on ramp
40	1927	472	3.3# on ramp
40	1831	556	4.2# on ramp
40	1704	644	5.1# on ramp
40	1579	734	Start 16/30
40	1580	825	6.5# on ramp
40	1959	930	Start flush
40	2829	1063	Shut down
			ISIP 2010
			5 min 1836
			10 min 1762
			15 min 1730
			Pumped 102,000# total sand
			961 bbls fluid

Federal #23-5-G cont'd ...

Today's operation: flow back after frac. Daily cost \$18,176; CCC \$96,353

8-19-88 Day 4. 16 SICP = 1200#. Flow well to pit on adjustable choke:

Time	Choke	Csg Press	Bbls	Remarks
7:00	8/64	1200	0	Start Flow back
8:00	8/64	1100	20	Slick Fluid
9:00	8/64	1000	40	Slick Fluid
10:00	10/64	850	60	Slick Fluid
11:00	12/64	675	100	Slick Fluid
12:00	3/4	200	140	Slick Fluid
12:30	2	100	200	Slick Fluid

At 12:30 flowed well to pit on 2" choke while tripping in hole w/2-7/8" tbg & ret. tool for plug. Tagged sand @ 5761' (79 of fill). Rig up & clean out to RBP @ 5840'. Released RBP & move up to 5400', reset & test to 3000# - held ok. POOH w/2-7/8" tbg & ret. tool. SION. Daily load Rec = 225 bbls, Accum load rec = 225 bbls, Accum total load = 961 bbls. Today's Operation: Perforate & frac interval 5292'-5301'. Daily cost \$2,480; CCC \$98,833

8-20-88 Day 5. RU Welex and RIH w/4" csg guns. Perforate interval 5292'-5301', 4 SPF, 120 DEG phasing. RU Dowell Schlumberger and frac zone as follows:

Rate (BPM)	Pressure (CSG)	Volume (BBLS)	Event
2	2700	0	Start Pad
30	2200		Shut down for ISIP 1600#
30	2200		Start pumping
30	2275	48	Start 1/2# 100 mesh
30	2175	96	Start 1# 100 mesh
30	2147	144	Start 20/40 on ramp
30	2097	180	1.4# @ blender
30	2010	219	2.4# @ blender
30	1895	260	3.3# @ blender
30	1790	302	4.4# @ blender
30	1635	346	5# @ blender
30	1543	391	Start 16/30 mesh
30	1438	436	
30	1470	492	Start flush
30	2440	615	Shut down

Max pressure = 2700#

Avg 30 BPM @ 2050#

564 total bbls, 54,000# sand

ISIP = 1950#

5 min = 1525#

15 min = 1236#

Today's Operation: Flow back after frac. Daily cost \$15,779; CCC \$114,603

Federal #23-5-G cont'd ...

8-19-88 Today's operation: flow back after frac. Daily cost \$18,176; CCC \$96,353  
 Day 4. 16 SICP = 1200#. Flow well to pit on adjustable choke:

Time	Choke	Csg Press	Bbls	Remarks
7:00	8/64	1200	0	Start Flow back
8:00	8/64	1100	20	Slick Fluid
9:00	8/64	1000	40	Slick Fluid
10:00	10/64	850	60	Slick Fluid
11:00	12/64	675	100	Slick Fluid
12:00	3/4	200	140	Slick Fluid
12:30	2	100	200	Slick Fluid

At 12:30 flowed well to pit on 2" choke while tripping in hole w/2-7/8" tbg & ret. tool for plug. Tagged sand @ 5761' (79 of fill). Rig up & clean out to RBP @ 5840'. Released RBP & move up to 5400', reset & test to 3000# - held ok. POOH w/2-7/8" tbg & ret. tool. SION. Daily load Rec = 225 bbls, Accum load rec = 225 bbls, Accum total load = 961 bbls. Today's Operation: Perforate & frac interval 5292'-5301'. Daily cost \$2,480; CCC \$98,833

Federal #23-5-G cont'd ...

8-21-88 Day 6. Check pressure - 175# SICP. Flow well to pit. Well flowed dead immediately. PU ret. tool for RBP & RIH w/2-7/8" tbg. Tagged sand @ 5238'. RU and circ out sand to top of RBP @ 5400'. Release RBP. Move up and reset @ 5130'. Pressure test to 3000# - held ok. POOH w/tbg and ret tool. RU Welex. RIH w/4" csg gun and perforate interval @ 5020', 4 SPF, 120 DEG phasing. SION. Today's Operation: Frac interval 5020'-34' w/Dowell Schlumberger. Daily cost \$3,289; CCC \$117,892

8-22-88 Day 7. RU Dowell Schlumberger and frac interval 5020'-34' as follows:

Rate (BPM)	Pressure (CSG)	Volume (BBLs)	Event
2		0	Start Pad
30	2088	54	Shut down ISIP 1550#
30	1932	54	Start again
30	2047	95	Start 1/2# 100 mesh
30	2124	166	Start 1# 100 mesh
30	2106	237	Start 20/40 on ramp
30	2047	312	Start 2# 20/40
30	2005	390	Start 3# 20/40
30	1951	471	Start 4# 20/40
35	1946	555	Start 5# 20/40
40	1868	643	Start 6# 20/40
40	1960	734	Start 6# 16/30
40	2106	825	Start 7# 16/30
40	2490	870	Start flush
26	3400	986	Shut down
Max pressure = 3600#			ISIP = 2560#
Avg 35 BPM @ 2148#			5 min = 1708#
890 BBLs, 92,000# sand			10 min = 1534#
			15 min = 1447#

Today's Operation: Flow back after frac. Daily cost \$18,661; CCC \$136,553

8-23-88 Day 8. SICP = 300#. RU & flow well to pit on adjustable choke. Well flowed down in one hour. PU ret tool for RBP & RIH w/2-7/8" tbg. Tagged sand @ 5024'. Clean out to top of RBP @ 5130'. Release plug. Move up to 4900' and reset. Pressure test to 3000# - held ok. POOH w/tbg and ret tool. RU Welex. RIH w/4" casing guns and perforate 2 intervals 4851'-55' & 4857'-77' 4 SPF 120 DEG phasing. RD Welex & SION. Daily load recovered = 50 bbls; Accum total load = 890 bbls. Today's Operation: Frac interval 4851'-77' w/Dowell Schlumberger. Daily cost \$3,572; CWC \$140,125

Federal #23-5-G cont'd ...

8-24-88 Day 9. RU Dowell Schlumberger and frac interval 4851'-77' as follows:

Rate (BPM)	Pressure (Casing)	Volume (BBLs)	Event
4	2450	0	Start Pad
40	1891	214	Start 1/2# 100 mesh
40	1927	310	Start 1# 100 mesh
40	1891	405	Start 1# 20/40 on ramp
45	1895	504	1.7# on ramp
45	1925	608	2.8# on ramp
45	1927	716	3.8# on ramp
45	1685	829	4.7# on ramp
45	1666	946	5.8# on ramp
45	1726	1070	6# 16/30 on ramp
45	1817	1190	6.5# on ramp
45		1340	Start flush
45	2692	1453	End of treatment

Avg 45 BPM @ 2000#  
 Max pressure = 2692#  
 136,000# 20/40 & 16/30

ISIP = 2078  
 5 min = 1817  
 10 min = 1740  
 15 min = 1698

Today's Operation:

Flow back after frac. Daily cost \$24,848;  
 CCC \$164,973

8-25-88 Day 10. 24 hr SICP = 400#. Flow well to pit & blew to 0 psi in 2 hrs. RIH w/tbg and clean out to RBP @ 4900'. POOH w/RBP, RIH w/NC & anchor to 5780'. SDON. Today's Operation: Clean up and swab test well. Daily cost \$1,535; CCC \$166,508

8-26-88 Day 11. 12 hr SITP = 50#, SICP = 150#. RU & swab well. Fluid level @ surface. Made 58 swab runs & recovered approximately 322 bbls total fluid (approximately 40 bbls oil). Fluid level staying @ 1100' (approximately 85% oil in last 5 runs). SION. Today's Operation: Run rods & pump. Daily cost \$1,756; CCC \$168,264

8-27-88 Day 12. 12 hr SITP = 200#, SICP = 300#. RU & swab well. Fluid level @ 400'. RIH w/tbg. Tagged sand @ 5828'. Circ & clean out sand to PBTD @ 5911'. Move up tbg to 5788'. ND BOP's & NU wellhead. Set tbg anchor @ 4812' w/12,000# tension pulled. Flush tbg w/40 bbls. PU rod pump & RIH w/rod string. Pressure check pump to 1000#. Held OK. Shut down for weekend. Today's Operation: Shut in over weekend. Will move out rig Monday. Daily cost \$2,615; CWC \$170,879

8-30-88 Rig released 8/26/88. Waiting on production equipment. CDC \$170,879

8-31-88 CORRECTED: Rig released @ 9:00 A.M. 8/29/88. Waiting on production equipment.

11/22/88    D E T A I L    W E L L    D A T A    B Y    A P I    M E N U :    O P T I O N    0 0  
 API NUMBER: 4301331207    P R O D    Z O N E :    G R R V    S E C    T W N S H P    R A N G E    Q R - Q R  
 ENTITY: 6105 (    )    5    0 9 . 0    S    1 6 . 0    E    N E S W  
 WELL NAME: FEDERAL 23-5-G  
 OPERATOR: N0700 ( NATURAL GAS CORP OF CA    )    M E R I D I A N :    S  
 FIELD:    7 5 ( CASTLE PEAK  
 CONFIDENTIAL FLAG: C    CONFIDENTIAL EXPIRES: 891211    A L T    A D D R    F L A G :  
 \* \* \*    A P P L I C A T I O N    T O    D R I L L ,    D E E P E N ,    O R    P L U G    B A C K    \* \* \*  
 18. TYPE OF WELL (OW/GW/DT) OW    5. LEASE NUMBER: U-30096    L E A S E    T Y P E :    1  
 4. SURFACE LOC: 1592 FSL 2134 FWL    7. UNIT NAME:  
 P R O D    Z O N E    L O C :    1 5 9 2    F S L    2 1 3 4    F W L    1 9 .    D E P T H :    5 8 0 0    P R O P O S E D    Z O N E :    G R R V  
 21. ELEVATION: 5836' KB    A P D    D A T E :    8 8 0 3 2 1    A U T H    C O D E :    R 6 1 5 - 3 - 3  
 \* \* \*    C O M P L E T I O N    R E P O R T    I N F O R M A T I O N    \* \* \*    D A T E    R E C D :    8 8 0 9 2 1  
 15. SPUD DATE: 880718    17. COMPL DATE: 880911    20. TOTAL DEPTH: 6000'  
 24. PRODUCING INTERVALS: 4851-77,5020-34,5292-5301,5736-46  
 4. BOTTOM HOLE: 1592 FSL 2134 FWL    33. DATE PROD: 880911    W E L L    S T A T U S :    P O W  
 24HR DIL: 116    24HR GAS: 0    24HR WTR: 64    G - O    R A T I O :    0  
 \* \* \*    W E L L    C O M M E N T S    \* \* \*    A P I    G R A V I T Y :    3 2 . 0 0  
 880720 REQUEST FOR CONF. STATUS:880725 ENTITY ADDED:  
 880727 CHGD FTGS FROM 2134 FWL 1592 FSL

OPTION: 21 PERIOD(YMM): 8807 API: 4301331207 ZONE: GRRV ENTITY: 10913

11/22/88    D I S P O S I T I O N    I N Q U I R Y    S C R E E N    M E N U :    O P T I O N    0 0  
 ENTITY: 6105 :  
 OPERATOR: N0700 : NATURAL GAS CORP OF CA  

MNTH	ACCT	PRODUCT	PRODUCED	TRANSPORT	USED ON LSE	FLARED	OTHER
8807	N0700	GS	1,344	519	465	360	0
	N0700	NL	0	0	0	0	0
	N0700	OL	160	250	0	0	0
8808	N0700	GS	1,159	694	465	0	0
	N0700	NL	0	0	0	0	0
	N0700	OL	150	241	0	0	0

 OPTION: 18 PERIOD(YMM): 8807 API: 4301331207 ZONE: GRRV ENTITY: 6105

*Note: There are two wells in entity. The disposition on this screen represents production from one well - the 21-5-G.*

11/22/88 BASIC WELL DATA BY ENTITY MENU: OPTION 00  
 API NUMBER ACCT ACCOUNT NAME TNSHP CUM OIL  
 PRGD ZONE ENTITY (ENTITY NAME) RANGE CUM GAS  
 FIELD (FIELD NAME) SEC CUM WATER  
 STATUS (WELL NAME) QTR-QTR

-----  
 4301330698 N0700 NATURAL GAS CORP OF CA S090 18780.22  
 GRRV 6105 E160 74627.00  
 75 CASTLE PEAK 5 4761.85  
 POW NGC FED 21-5G NENW

4301331207 N0700 NATURAL GAS CORP OF CA S090 0.00  
 GRRV 6105 E160 0.00  
 75 CASTLE PEAK 5 0.00  
 POW FEDERAL 23-5-G NESW

4301330670 N0700 NATURAL GAS CORP OF CA S090 75628.43  
 GRRV 6110 U30096 PLEAS. VALLEY E160 274757.00  
 105 MONUMENT BUTTE 5 2065.28  
 POW NGC FED 32-5G SWNE

OPTION: 2 PERIOD(YMM): 8807 API: 4301331207 ZONE: GRRV ENTITY: 6105

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-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

UNIT AGREEMENT NAME

2. NAME OF OPERATOR  
Natural Gas Corporation of California

FARM OR LEASE NAME

Federal

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

9. WELL NO.

23-5-G

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

Castle Peak

2134' FWL, 1592' FSL, NE/SW

**CONFIDENTIAL**

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

Section 5, T9S, R16E

14. PERMIT NO.  
43-013-31207

15. ELEVATIONS (Show whether DF, HT, GR, etc.)  
5740' GR

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

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) Initial Production

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

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

Operator reports the subject well was put on production September 11, 1988 at 2:00 P.M. Initial production for the first 24 hrs was 116 bbls. of oil, 64 bbls. of water. Future reports will be on Form 3160-6, Monthly Report of Operations.

Copies: Div. OG&M; Chorney; Ralph E. Davis; Paulsell; Furtado; LJorgensen; B Hill; Culp

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

SIGNED Pete Heddleson  
Pete Heddleson

TITLE Production Superintendent

DATE September 13, 1988

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPL. 3\*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY   
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 2134' FWL 1592' FSL NE/SW  
At top prod. interval reported below  
At total depth

**CONFIDENTIAL**

DIVISION OF OIL, GAS & MINING

SEP 21 1988

14. PERMIT NO. 43-013-31207 DATE ISSUED 3/21/88

15. DATE SPUDDED 7/27/88 16. DATE T.D. REACHED 8/5/88 17. DATE COMPL. (Ready to prod.) 8/27/88 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5821'GR 5836'RKB 19. ELEV. CASINGHEAD 5821'GR

20. TOTAL DEPTH, MD & TVD 6000' 21. PLUG, BACK T.D., MD & TVD 5911' 22. IF MULTIPLE COMPL., HOW MANY 23. INTERVALS DRILLED BY → X ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Green River: 5736'-46'; 5292'-5301'; 5020'-34'; 4851'-77'

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIL, SFL, FDC, CNL, GR, CAL, CBL

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	53.5#	300	12-1/4	165 SXS	
5-1/2"	17#	6000	7-7/8	640 SXS	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)  
4851'-5746' (236 holes)  
4" casing gun  
4 SPF, 90 DEG phasing

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4851'-4877'	1453 bbls 136,000# 20/40
5020'-5034'	890 bbls 92,000# 20/40
5292'-5301'	564 bbls 54,000# 20/40
5736'-5746'	961 bbls 102,000# 20/40

33. PRODUCTION

DATE FIRST PRODUCTION 9/11/88 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 9/11/88 HOURS TESTED 24 CHOKE SIZE PROD'N. FOR TEST PERIOD → OIL—BBL. 116 GAS—MCF. 0 WATER—BBL. 64 GAS-OIL RATIO NA

FLOW, TUBING PRESS. CASING PRESSURE 550# CALCULATED 24-HOUR RATE → OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.) 32.0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel and sold or vented TEST WITNESSED BY Randy Miller

35. LIST OF ATTACHMENTS

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

SIGNED Mike McMican TITLE Petroleum Engineer DATE 9/15/88  
Mike McMican

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

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

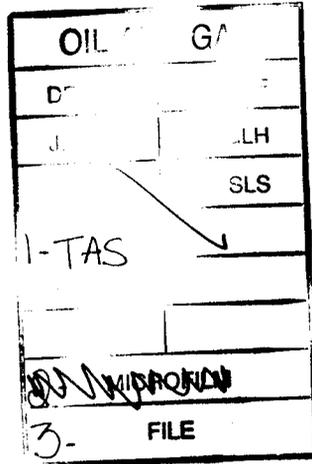
FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME MEAS. DEPTH TOP TRUE VERT. DEPTH

Green River  
 A 4183  
 B 4425  
 DC Marker 4814  
 D 5060  
 E 5174  
 E2 5358  
 F 5720

+1653  
 +1411  
 +1022  
 + 776  
 + 662  
 + 478  
 + 116



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-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

23-5-G

10. FIELD AND POOL, OR WILDCAT

Castle Peak

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

Section 5, T9S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

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

2134' FWL, 1592' FSL, NE/SW

RECEIVED  
OCT 21 1988  
DIVISION OF OIL, GAS & MINING  
CONFIDENTIAL

14. PERMIT NO.  
43-013-31207

15. ELEVATIONS (Show whether DF, ST, GR, etc.)  
5740' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF  PULL OR ALTER CASING   
FRACTURE TREAT  MULTIPLE COMPLETE   
SHOOT OR ACIDIZE  ABANDON\*   
REPAIR WELL  CHANGE PLANS   
(Other) Venting of Natural Gas

SUBSEQUENT REPORT OF:

WATER SHUT-OFF  REPAIRING WELL   
FRACTURE TREATMENT  ALTERING CASING   
SHOOTING OR ACIDIZING  ABANDONMENT\*   
(Other)   
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Operator requests an extension of 90 days for the venting of natural gas. The well is presently venting approximately 200 MCF/D.

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.

CONFIDENTIAL

Copies: Div. OG&M; Chorney; Ralph E. Davis; Paulsell; Furtado; LJorgensen; BHill; Culp

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

SIGNED Mike McMican TITLE Petroleum Engineer DATE 10/19/88  
Michael L. McMican

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

Federal approval of this action is required before commencing operations.

\*See Instructions on Reverse Side

12-2-88  
John F. Boyer

CONDITIONS OF APPROVAL FOR GAS VENTING/FLARING  
Federal 23-5-G  
Section 5, Township 9 South, Range 16 East  
Uintah County  
API No. 43-047-31207  
December 2, 1988

Based on verbal communication between John Baza of the Utah Division of Oil, Gas and Mining and Jerry Kenczka of the U. S. Bureau of Land Management, the operator shall comply with the following conditions during the period of gas venting/flaring:

1. The well may be fully produced and associated gas vented or flared as long as the producing gas-oil ratio (GOR) remains 2000:1 or less as averaged on a monthly basis.
2. If the GOR exceeds 2000:1, the well may be produced on a restricted basis - the restricted rate of gas production being equivalent to what a well having a GOR of 2000:1 would produce at 100 percent deliverability, or alternatively, the restricted rate of gas production shall be 100 MCF per day maximum. The operator may vent or flare the greater of either amount.
3. The operator shall also comply with the applicable federal regulations and federal lease requirements concerning oil and gas operations, including any other conditions of approval issued by the U. S. Bureau of Land Management in this matter.

OI3/19

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.)

RECEIVED  
OCT 21 1988

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  
2134' FWL, 1592' FSL, NE/SW

DIVISION OF  
OIL, GAS & MINING

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.  
U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
23-5-G

10. FIELD AND POOL, OR WILDCAT  
Castle Peak

11. SEC., T., R., M., OR BLM. AND  
SURVEY OR AREA  
Sec. 5, T9S, R16E

14. PERMIT NO.  
43-013-31207

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5740' 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) NTL-2B

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 proposes to dispose of produced water into an underground tank. The tank will be fiberglass with a capacity of approximately 100 bbls. Water from the tank will be taken by truck and disposed of at Grant Hansen's disposal pit north of Bridgeland.

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

CONFIDENTIAL

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

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

SIGNED Mike McMican  
Michael L. McMican

TITLE Petroleum Engineer

DATE 10/18/88

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

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

Date: 11-1-88

By: [Signature]

Federal Approval of this  
Action is Necessary

\*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate  
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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  
2134' FWL, 1592' FSL, NE SW

5. LEASE DESIGNATION AND SERIAL NO.  
U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
23-5-G

10. FIELD AND POOL, OR WILDCAT  
Castle Peak

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 5, T9S, R16E

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

14. PERMIT NO.  
43-013-31207

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5740' GR

RECEIVED  
NOV 21 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 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	X	(NOTE: Report results of multiple completion on Well Completion or Recombination 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 capture condensation that drips from the vent line for the oil storage tanks. The pit would be 20' square at surface with 1:1 slopes, 5' deep and 10' square at bottom, fenced and bermed.

CONFIDENTIAL

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

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

SIGNED Mike McMican TITLE Petroleum Engineer DATE Nov. 17, 1988  
Michael L. McMican

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

*Federal Approval of this Action is Necessary*

\*See Instructions on Reverse Side

Accepted by the State of Utah Division of Oil, Gas and Mining  
 Date: 12/7/88  
 By: [Signature]

CONFIDENTIAL

January 17, 1989

RECEIVED  
JAN 19 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 #23-5-G Federal  
NE SW Section 9, T5S, R16E  
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 TRIPPLICATE\*  
(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.)

<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</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  2134' FWL, 1592' FSL NE/SW</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-30096</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Federal</p> <p>9. WELL NO. 23-5-G</p> <p>10. FIELD AND POOL, OR WILDCAT Castle Peak</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E</p> <p>12. COUNTY OR PARISH 13. STATE Duchesne Utah</p>
<p>14. PERMIT NO. 43-013-31207</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5740' GR</p>	

RECEIVED

MAR 08 1989

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

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

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

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

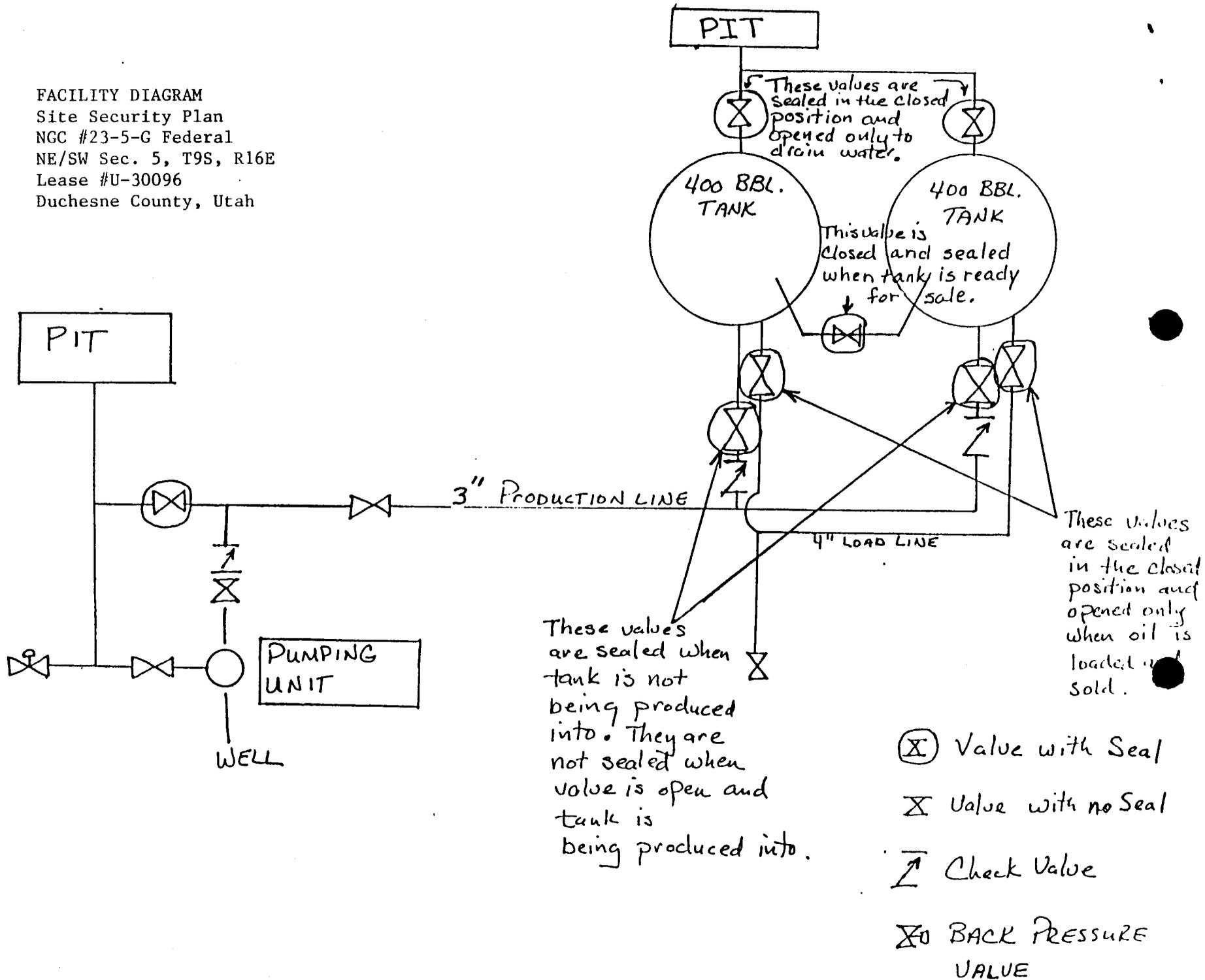
18. I hereby certify that the foregoing is true and correct

SIGNED Michael L. McMican TITLE Petroleum Engineer DATE 3/6/89  
(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

FACILITY DIAGRAM  
 Site Security Plan  
 NGC #23-5-G Federal  
 NE/SW Sec. 5, T9S, R16E  
 Lease #U-30096  
 Duchesne County, Utah





UTAH  
NATURAL RESOURCE  
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)
✓ 4301331207	FEDERAL 23-5-G	06105 09S 16E 5	GRRV				
✓ 4301330670	NGC FED 32-5G	06110 09S 16E 5	GRRV				
✓ 4301330638	FEDERAL 42-4	06115 09S 16E 4	GRRV				
✓ 4304730126	SE FLANK UINTAH 1-28	06121 15S 22E 28	DKTA				
✓ 4304730610	FEDERAL 24-22	06124 08S 22E 22	WSTC				
✓ 4304731195	NGC 33-2H STATE	06125 09S 17E 2	GRRV				
✓ 4304730623	D 23-17 SAND RIDGE	06126 08S 23E 17	WSTC				
✓ 4301330616	STATE NGC 11-16	06130 09S 17E 16	GRRV				
✓ 4304731356	NGC 22-20	06135 08S 22E 20	GRRV				
✓ 4301330680	NGC 12-8H FEDERAL	06140 09S 17E 8	GRRV				
✓ 4301330614	FED NGC 21-15	06145 09S 17E 15	GRRV				
✓ 4301330681	NGC 24-15H FEDERAL	06150 09S 17E 15	GRRV				
✓ 4304731200	NGC 33-18J	06155 09S 19E 18	GRRV				
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 \_\_\_\_\_

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

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.



Handwritten signature of Edward J. Freel in cursive script.

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

NGC  
Energy  
Company

2001 Bryan Tower  
Suite 953  
Dallas, Texas 75201  
(214) 742-2396

RECEIVED  
JUN 21 1989

DEPARTMENT OF  
ENERGY  
MINING

June 12, 1989

Dear Operator/Vendor:

NGC Energy Company has changed its' name to PG&E Resources Company and has relocated its' corporate headquarters from Concord, California to Dallas, Texas. All invoices and correspondence currently mailed to Concord, California should now be addressed to:

PG&E RESOURCES COMPANY  
2001 Bryan Tower, Suite 953  
Dallas, TX 75201

PG&E Resources Company's Rocky Mountain Regional office will continue to operate in Vernal, Utah. Please mail all invoices and correspondence pertaining to the Rocky Mountain region to:

PG&E RESOURCES COMPANY  
85 South 200 East  
Vernal, UT 84078

All remittances should be mailed to:

PG&E RESOURCES COMPANY  
P. O. Box 840274  
Dallas, Texas 75284-0274

PG&E Resources Company federal tax identifying number is 94-2882054.

Should you need any additional information, please contact Patti Sanders, Accounts Payable Supervisor.

Sincerely,



Keith H. Perkins  
Vice President Controller

KHP/chs

6-06-89

NGC Energy Co : Natural Gas Corp  
of CA are one in the same  
company. talked w/ Mr. Perkins  
he indicated both companies  
should reflect the chg. NGC Co.  
will send a chg. of op. from  
Natural Gas Corp to NGC.

JAS

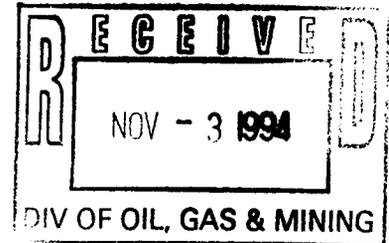
DALEN Resources  
Oil & Gas Co.



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, Denver  
UT-922 (Teresa Thompson) w/encl.

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

CMerritt:dab 11/25/94 (U01470A)

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 X Confirmed Btm 154  
11-29-94 Jlc

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	LEC/GIL
2	LWP 7-PL
3	DP 28-SJ
4	VLCS-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)	<b>DALEN RESOURCES OIL &amp; GAS CO.</b>	FROM (former operator)	<b>PG&amp;E RESOURCES COMPANY</b>
(address)	<b>6688 N CENTRAL EXP STE 1000</b>	(address)	<b>6688 N CENTRAL EXP STE 1000</b>
	<b>DALLAS TX 75206-3922</b>		<b>DALLAS TX 75206-3922</b>
phone ( 214 )	<b>750-3800</b>	phone ( 214 )	<b>750-3800</b>
account no.	<b>N3300 (11-29-94)</b>	account no.	<b>N 0595</b>

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

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

Name: <b>**SEE ATTACHED**</b>	API: <u>013-31207</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**

- Lee 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)*
- Lee 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)*
- Lee 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." 11-15-94.
- Lee 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.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(11-29-94)*
- Lee 6. Cardex file has been updated for each well listed above. *12-7-94*
- Lee 7. Well file labels have been updated for each well listed above. *12-8-94*
- Lee 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)*
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) Surety U1870145/80,000 "Rider to Daken" rec'd 10-3-94.  
\* Trust Land/Ed "Rider" Aprv. 10-5-94 # U2164274/80,000.

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new <sup>Upon compl. of routing.</sup> and former operators' bond files.
- 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

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

FILMING

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

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

941108. Btm/S.Y. Not Aprv. yet!  
941125. " Aprv.'d.

# 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 API Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ FRED MORRIS FED 19-1 4301330587 00451 09S 17E 19	GRRV			✓ 113905		
✓ CASTLE PEAK FEDERAL 43-5 4301330858 02043 09S 16E 5	GR-WS			11034217A	(wells draw GRRV unit)	
✓ <del>DEVIL'S PLAYGROUND 32-31W</del> 4304731010 06047 09S 24E 31	MVRD	TA		✓ 119215	(Rec'd 10-21-94)	* Paid 10-24-94
✓ POMCO 14-8 4301330542 06057 09S 17E 8	GRRV			✓ 110760		
✓ FEDERAL 11-9-H 4301330887 06058 09S 17E 9	GRRV			✓ 1150750		
✓ FED NGC 31-8H 4301330679 06075 09S 17E 8	GRRV			✓ 110760		
✓ NGC 41-8H 4301330741 06085 09S 17E 8	GRRV			✓ "		
✓ FED 41-30 4301330601 06095 09S 17E 30	GRRV			✓ 111385		
✓ NGC 12-4G 4301330699 06100 09S 16E 4	GRRV			✓ 1130076	(wells draw GRRV unit)	
✓ NGC FED 21-5G 4301330698 06105 09S 16E 5	GRRV			✓ "	(wells draw GRRV unit)	
✓ FEDERAL 23-5-G 4301331207 06105 09S 16E 5	GRRV			✓ "	(wells draw GRRV unit)	
✓ NGC FED 32-5G 4301330670 06110 09S 16E 5	GRRV			✓ "	(wells draw GRRV unit)	
✓ FEDERAL 42-4 4301330638 06115 09S 16E 4	GRRV			✓ "	(wells draw GRRV unit)	
<b>TOTALS</b>						

COMMENTS: \* Wells Draw GRRV Unit eff. 4/94  
\* West Willow Creek Unit eff. 10/94  
\* Inj. Wells (LIC F5)

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

**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

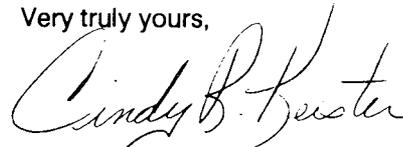
RE: Operator Name Change

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,

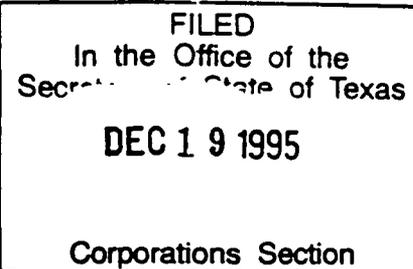


Cindy R. Keister  
Regulatory Compliance Specialist

CRK/ck

Attachments

cc: Vernal BLM Office w/attachments

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

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

1. The name of the Parent Corporation is Enserch Exploration, Inc. The name of the Subsidiary Corporation is DALEN Corporation. Enserch Exploration, Inc. is incorporated in Texas, and DALEN Corporation is incorporated in Delaware.

2. The following is a copy of resolutions of the Board of Directors of Enserch Exploration, Inc. or Parent Corporation ("Enserch") adopted on December 5, 1995:

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

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

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

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

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

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

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

Dated this 12th day of December, 1995.

ENSERCH EXPLORATION, INC.

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

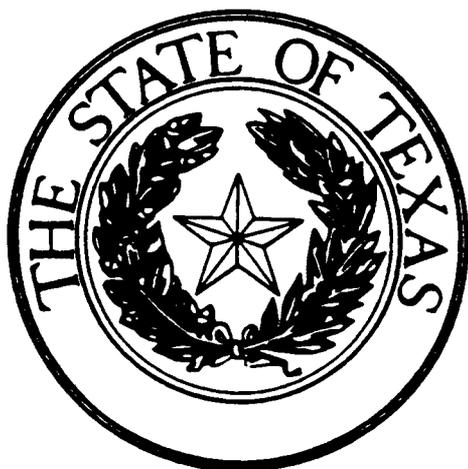


# The State of Texas

SECRETARY OF STATE

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

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



  
\_\_\_\_\_  
Antonio O. Garza, Jr.  
Secretary of State

MAC

UTAH WELLS  
ENSERCH EXPLORATION, INC.

1/11/96

UNIT	WELL		LSE NO.	API NO.	QTR	SEC.	TWN	RANGE	COUNTY	
*	Federal	11- 4G	U-30096	✓ 43-013-31250	NW NW	4	9S	16E	Duchesne	
*	Federal	12- 4G	U-30096	✓ 43-013-3699	SW NW	4	9S	16E	Duchesne	30699
✓ *	Federal	21- 4G	U-30096	43-013-31272	NE NW	4	9S	16E	Duchesne	(W/W)
*	Federal	31- 4G	U-30096	✓ 43-013-31228	NW SE	4	9S	16E	Duchesne	
*	Federal	42- 4G	U-30096	✓ 43-013-30638	SE NE	4	9S	16E	Duchesne	
*	Federal	21- 5G	U-30096	✓ 43-013-30698	NE NW	5	9S	16E	Duchesne	30698
*	Federal	22- 5G	U-30096	✓ 43-013-31273	SE NW	5	9S	16E	Duchesne	
* *	Federal	23- 5G	U-30096	✓ 43-013-31207	NE SW	5	9S	16E	Duchesne	
*	Federal	31- 5G	U-30096	✓ 43-013-31252	NW NE	5	9S	16E	Duchesne	
✓ *	Federal	32- 5G	U-30096	43-013-30670	SW NE	5	9S	16E	Duchesne	(W/W)
✓ *	Federal	41- 5G	U-30096	43-013-31205	NE SW	5	9S	16E	Duchesne	(W/W)
*	Federal	43- 5G	U-034217-AV	43-013-30858	NE SE	5	9S	16E	Duchesne	
*	Federal	13- 33B	U-49092	✓ 43-013-31277	NW SW	33	8S	16E	Duchesne	
✓ *	Federal	14- 33B	U-49092	43-013-31229	SW SW	33	8S	16E	Duchesne	(W/W)
*	Federal	23- 33B	U-49092	✓ 43-013-31251	NE SW	33	8S	16E	Duchesne	
*	Federal	24- 33B	U-49092	✓ 43-013-31214	SE SW	33	8S	16E	Duchesne	
*	Federal	33- 33B	U-49092	✓ 43-013-31268	NW SE	33	8S	16E	Duchesne	
✓ *	Federal	34- 33B	U-49092	43-013-31269	SW SE	33	8S	16E	Duchesne	(W/W)
✓ *	Federal	43- 33B	U-49092	43-013-31240	NE SE	33	8S	16E	Duchesne	(W/W)
*	Federal	44- 33B	U-49092	✓ 43-013-31270	SE SE	33	8S	16E	Duchesne	
*	Federal	13- 34B	U-47171	✓ 43-013-31271	NW SW	34	8S	16E	Duchesne	
✓ *	Federal	14- 34B	U-47171	43-013-31225	SW SW	34	8S	16E	Duchesne	(W/W)
*	Federal	23- 34B	U-47171	✓ 43-013-31241	NE SW	34	8S	16E	Duchesne	
**	Federal	14- 4	U-07978	✓ 43-013-30671	SW SW	4	9S	17E	Duchesne	
**	Federal	34- 5	UTU-72108	✓ 43-013-30721	SW SE	5	9S	17E	Duchesne	
**	Federal	44- 5	UTU-72108	✓ 43-013-30913	SE SE	5	9S	17E	Duchesne	
**	Federal	12- 8H	U-10760	✓ 43-013-30680	SW NW	8	9S	17E	Duchesne	
**	Federal	21- 8H	U-10760	✓ 43-013-31460	NE NW	8	9S	17E	Duchesne	
**	Federal	22- 8H	U-10760	✓ 43-013-31457	SE NW	8	9S	17E	Duchesne	
**	Federal	31- 8H	U-10760	✓ 43-013-30679	NW NE	8	9S	17E	Duchesne	
**	Federal	32- 8H	U-10760	✓ 43-013-30542	SW NE	8	9S	17E	Duchesne	
**	Federal	41- 8H	U-10760	✓ 43-013-30741	NE NE	8	9S	17E	Duchesne	
**	Federal	42- 8H	U-10760	✓ 43-013-30678	SE NE	8	9S	17E	Duchesne	ORL
	Federal	24- 15H	U-10760	✓ 43-013-30681	SE SW	15	9S	17E	Duchesne	
**	Federal	11- 9H	U-50750	✓ 43-013-30887	NW NW	9	9S	17E	Duchesne	
**	Federal	12- 9H	U-50750	✓ 43-013-30983	SW NW	9	9S	17E	Duchesne	
**	Federal	13- 9H	U-50750	✓ 43-013-30656	NW SW	9	9S	17E	Duchesne	
**	Federal	14- 9H	U-50750	✓ 43-013-31459	SW SW	9	9S	17E	Duchesne	
	Federal	32-29	U-19267	✓ 43-047-31175	SWNE	29	9S	18E	WINSTON	POW

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

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

(MERGER)

Routing:

1-LEC / <i>LEC</i>
2-DTS/ST-FILM
3-VLD-8-FILE
4-RJF
5-LEC
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) <b>ENSERCH EXPLORATION INC</b>	FROM (former operator) <b>DALEN RESOURCES OIL &amp; GAS</b>
(address) <b>4849 GREENVILLE AVE STE 1200</b>	(address) <b>6688 N CENTRAL EXP #1000</b>
<b>DALLAS TX 75206</b>	<b>DALLAS TX 75206-3922</b>
<b>CINDY KEISTER</b>	<b>CINDY KEISTER</b>
phone (214) <b>987-6353</b>	phone (214) <b>987-6353</b>
account no. <b>N4940 (1-29-96)</b>	account no. <b>N3300</b>

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

Name: <b>** SEE ATTACHED **</b>	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twsp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- lec* 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)*
- lec* 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)*
- lec* 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) (yes/no) \_\_\_\_ If yes, show company file number: #171513. *(ref. 1-4-95)*
- lec* 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.
- lec* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-12-96)*
- lec* 6. Cardex file has been updated for each well listed above. *(2-12-96)*
- lec* 7. Well file labels have been updated for each well listed above. *(2-12-96)*
- lec* 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)*
- lec* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Loc* 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!*

- Loc* 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 2/13/76*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- VSD* 1. 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 Aprv. eff. 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 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)

Section 5 NE/4 SW/4 T9S-R16E

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 23-5G

9. API Well No.

43-013-31207

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

11. County or Parish, State

Duchesne County, Utah

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment

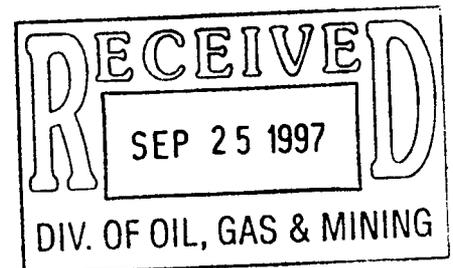
- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Change of Operator

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

(Note: Report results of multiple 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 WDU #23-5G 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

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-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 23-5G

9. API Well No.

43-013-31207

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

475 17th Street, Suite 1500, Denver, Colorado 80202 (303) 292-0900

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

Section 5 NE/4 SW/4 T9S-R16E

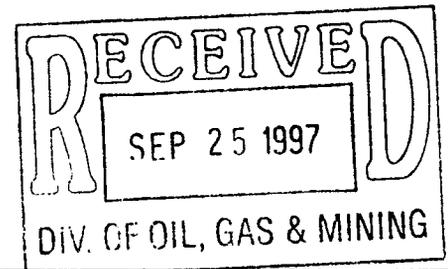
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<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

(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.)\*

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

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.



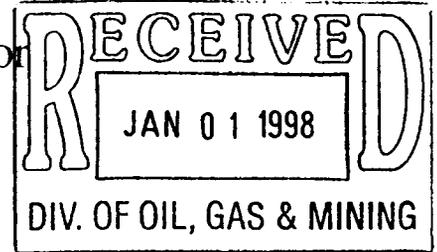
United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155



December 31, 1997

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

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

Gentlemen:

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

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

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

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

Sincerely,

/s/ George Diwachak

for Robert A. Henricks  
Chief, Branch of Fluid Minerals

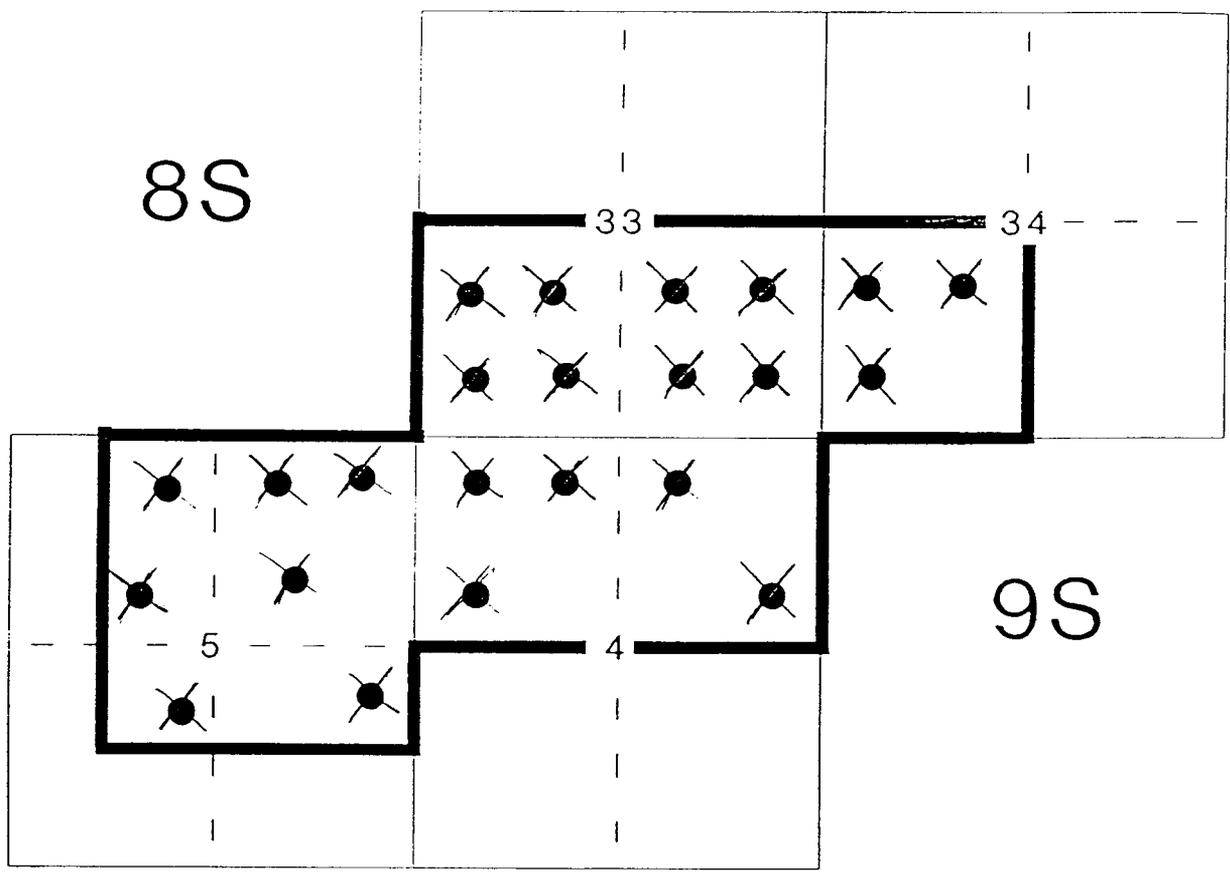
Enclosure

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

UT931:TAThompson:tt:12/31/97

# WELLS DRAW (GREEN RIVER) UNIT

## Uintah County, Utah



— UNIT OUTLINE (UTU72613A)

SECONDARY ALLOCATION  
FEDERAL 100%

OPERATOR INLAND PRODUCTION CO

OPERATOR ACCT. NO. 11 5160

ADDRESS \_\_\_\_\_

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		12276								DUCHESNE	8-16-97
WELL 1 COMMENTS: <b>*SEE ATTACHED LIST;OP CHG FR N4940 EFF 8-16-97 (WELLS DRAW (GRRV) UNIT) OPERATOR REQ CHG FOR TAX &amp; ROYALTY; &amp; DISPOSITION REPORTING.</b>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

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

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

(3/89)

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

INLAND PRODUCTION COMPANY  
(N5160)

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

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

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N4940

REPORT PERIOD (MONTH/YEAR): 8 / 97

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entry	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ 4301330587	00451	09S 17E 19	GRRV			U-13905		
FRED MORRIS FED 19-1 FEDERAL 14-4H								
4301330671	01215	09S 17E 4	GRRV			U-7978	Pleasant Valley Unit	
FEDERAL 34-5H								
4301330721	02041	09S 17E 5	GRRV			U-020252	"	
CASTLE PEAK FEDERAL 43-5								
4301330858	02043	09S 16E 5	GR-WS			U-034217-A	Wells Draw Unit	
FEDERAL 32-8H								
4301330542	06057	09S 17E 8	GRRV			U-10760	Pleasant Valley Unit	
NGC 41-8H								
4301330741	06085	09S 17E 8	GRRV			U-10760	"	
NGC 41-30								
4301330601	06095	09S 17E 30	GRRV			U-11385		
NGC 12-4G								
4301330699	06100	09S 16E 4	GRRV			U-30096	Wells Draw Unit	
NGC FED 21-5G								
4301330698	06105	09S 16E 5	GRRV			U-30096	"	
FEDERAL 23-5-G								
4301331207	06105	09S 16E 5	GRRV			U-30096	"	
FEDERAL 42-4								
4301330638	06115	09S 16E 4	GRRV			U-30096	"	
NGC 12-8H FEDERAL								
4301330680	06140	09S 17E 8	GRRV			U-10760	Pleasant Valley Unit	
FED NGC 21-15								
4301330614	06145	09S 17E 15	GRRV			U-10760		
<b>TOTALS</b>								

COMMENTS: X 971027 Partial Change.

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

Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

**OPERATOR CHANGE WORKSHEET**

Routing	
1-LEC ✓	6-LEC ✓
2-CLH ✓	7-KAS ✓
3-DPS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-JRBI ✓	

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

<b>TO:</b> (new operator)	<u>INLAND PRODUCTION CO</u>	<b>FROM:</b> (old operator)	<u>ENSERCH EXPLORATION INC</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>4849 GREENVILLE AVE #1200</u>
	<u>ROOSEVELT UT 84066</u>		<u>DALLAS TX 75206-4145</u>
Phone:	<u>(801)722-5103</u>	Phone:	<u>(214)987-7859</u>
Account no.	<u>N5160</u>	Account no.	<u>N4940</u>

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

**WELL(S)** attach additional page if needed:

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31007</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 9-25-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 9-25-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) \_\_\_\_\_. If yes, show company file number: \_\_\_\_\_.
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-2-98) X UIC DBase & Qua Hro Pro.*
- lec 6. **Cardex** file has been updated for each well listed above. *(1-2-98)*
- lec 7. Well **file labels** have been updated for each well listed above. *(1-2-98)*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-2-98)*
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for **reference during routing and processing of the original documents.**

**ENTITY REVIEW**

- Yes 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no)      If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- Yes 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- Yes 2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no)     , as of today's date                     . If yes, division response was made to this request by letter dated                     .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A 1. Copies of documents have been sent on                      to                      at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated                      19     , of their responsibility to notify all interest owners of this change.

**FILMING**

- Yes 1. All attachments to this form have been **microfilmed**. Today's date: 1.30.98.

**FILING**

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

980102 BLM/SL Aprv. Wells Draw (GREV) Unit eff. 12-31-97.



March 20, 1998

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

RE: Permit Application for Water Injection Well  
Wells Draw Federal #23-5-G, Wells Draw Unit  
Monument Butte Field, Lease #U-30096  
Section 5-Township 9S-Range 16E  
Duchesne County, Utah

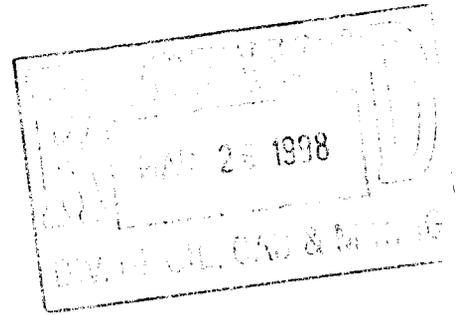
Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Wells Draw Federal #23-5-G from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Debbie Knight at (303) 382-4434.

Sincerely,

John E. Dyer  
Chief Operating Officer



**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**WELLS DRAW FEDERAL #23-5-G**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**WELLS DRAW UNIT**  
**LEASE #U-30096**  
**MARCH 20, 1998**

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# Federal #23-5G

Spud Date: 7/27/88  
 Put on Production: 9/11/88  
 GL: 5821' KB: 5836'

Initial Production: 116 BOPD, 300 MCFD  
 64 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: L-80  
 WEIGHT: 53.5#  
 LENGTH: 7 JTS  
 DEPTH LANDED: 300'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 165 skx Class "G" cmt, est ? bbls to surface

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 17#  
 LENGTH: 151 jts  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 195 sks Class "G" & 445 sks Class "G"  
 CEMENT TOP AT: 1190'  
 SET AT: 6000'

### TUBING

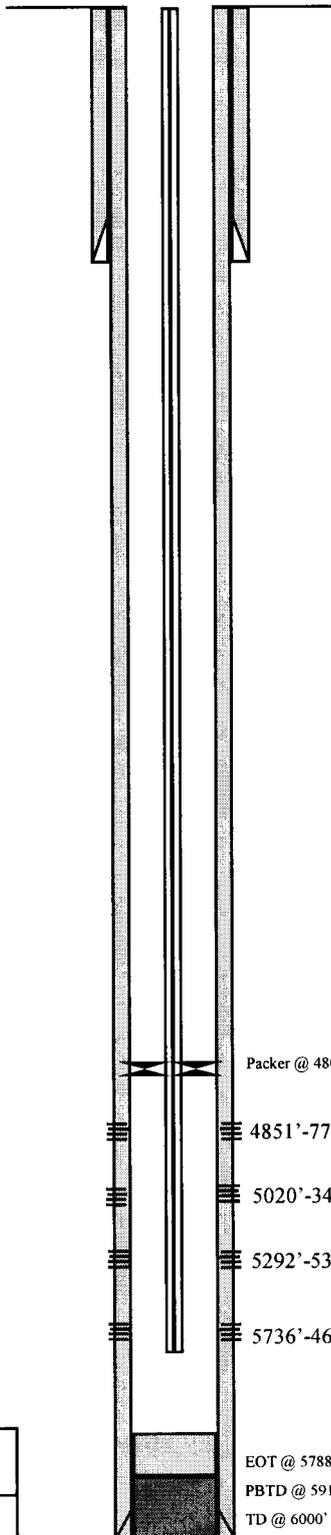
SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 184  
 TUBING ANCHOR: 4812'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5752'

### SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: DIL/SFL/FDC/CNL/GR/CAL/CBL

### FRAC JOB

8-18-90	5736'-5746'	961 bbls, 102,000# 20/40 sand. ISIP-2010 psi, 5 min 1836 psi. Avg rate of 40 BPM @ 1900 psi.
8-20-90	5292'-5301'	564 bbls, 54,000# 20/40 sand. ISIP-1950 psi, 5 min 1525 psi. Avg rate of 30 BPM @ 2050 psi.
8-22-90	5020'-5034'	890 bbls, 92,000# 20/40 sand. ISIP-2560 psi, 5 min 1708 psi. Avg rate of 35 BPM @ 2148 psi.
8-24-90	4851'-4877'	1453 bbls, 136,000# 20/40 sand. ISIP-2078 psi, 5 min 1817 psi. Avg rate of 45 BPM @ 2000 psi.



### PERFORATION RECORD

8-17-90	5736'-5746'	4 JSPF	40 holes
8-19-90	5292'-5301'	4 JSPF	36 holes
8-21-90	5020'-5034'	4 JSPF	56 holes
8-23-90	4851'-4877'	4 JSPF	104 holes



**Inland Resources Inc.**

**Federal #23-5G**

2134 FWL 1592 FSL

NESW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31207; Lease #U-30096

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down, move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Wells Draw Federal #23-5-G from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit. See Attachment D.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Douglas Creek Member of the Green River Formation. In the Wells Draw Federal #23-5-G well, the proposed injection zone is from 4851'-5746' with the top at 4851'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4851'.

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

The referenced log for the Wells Draw Federal #23-5-G is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a State lease (Lease #U-30096), in the Monument Butte (Green River) Field, Wells Draw Unit, and this request if for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

1. **Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
2. **The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 **A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachment A and B.

- 2.2 **Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 **A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 **Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 **A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 9-5/8", 53.5#, J-55 surface casing run to 300' GL, and the 5-1/2" casing run from surface to 6000' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 **A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 **Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, and F-2.

**2.8 The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1931 psig.

**2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The fracture gradient for the Wells Draw Federal #23-5-G, for proposed zones (4851' – 5746') calculates at .80 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1931 psig. See Attachment G through G-4.

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

In the Wells Draw Federal #23-5-G, the injection zone (4851'-5746') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor interbedded shale streaks. The estimated average porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shales. The porous and permeable lenticular sandstone varies in thickness from 0-31', and are confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lucustrine shales. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-5.

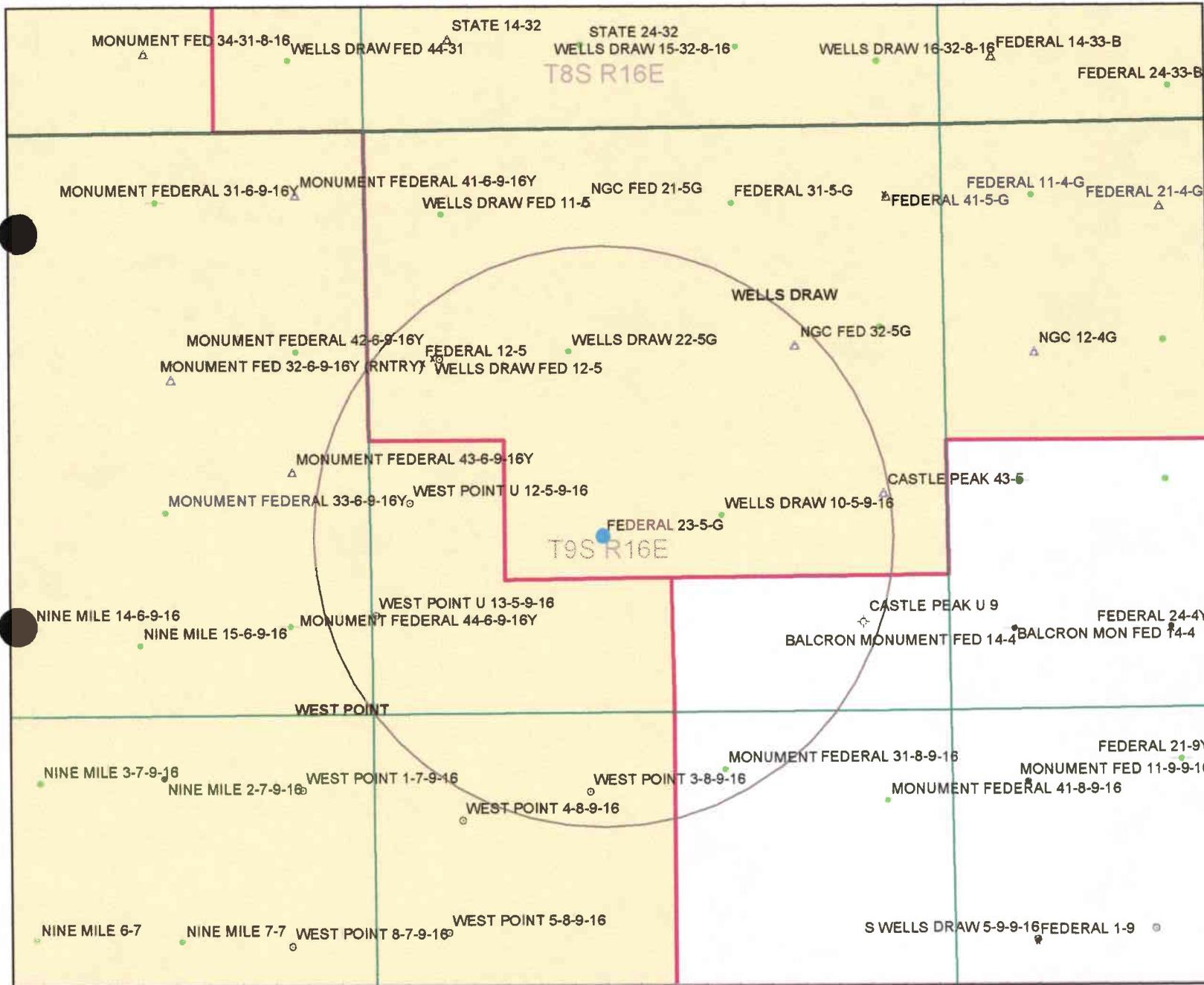
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

**2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

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

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



### Legend

- rspls arc
- tshps polygon
- srunits polygon
- <all other value

### WELL\_TYPE

- x LA
- o LOC
- ◇ PA
- ⊛ PGW
- POW
- ⊛ SGW
- SOW
- ⊛ TA
- o TW
- △ WDW
- △ WIW
- ⊛ WSW
- wellsbuff

Attachment A

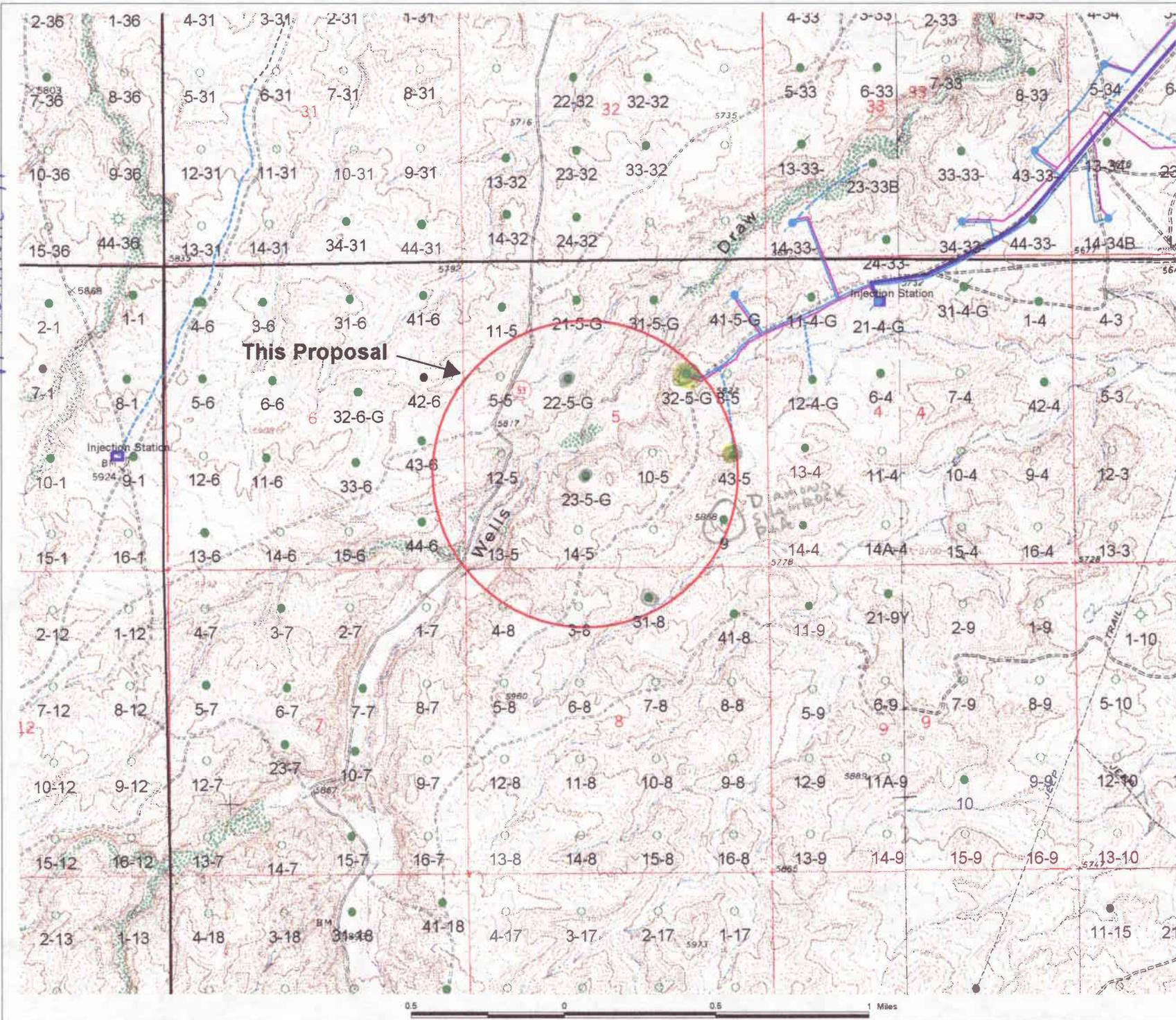


Exhibit "A"

- Legend
- INJ
- OIL
- GAS
- O&G
- DRY
- SHUTIN
- LOC
- Proposed Water 6"
- Water 6"
- Water 4"
- Water 2 - 3"
- Proposed Water

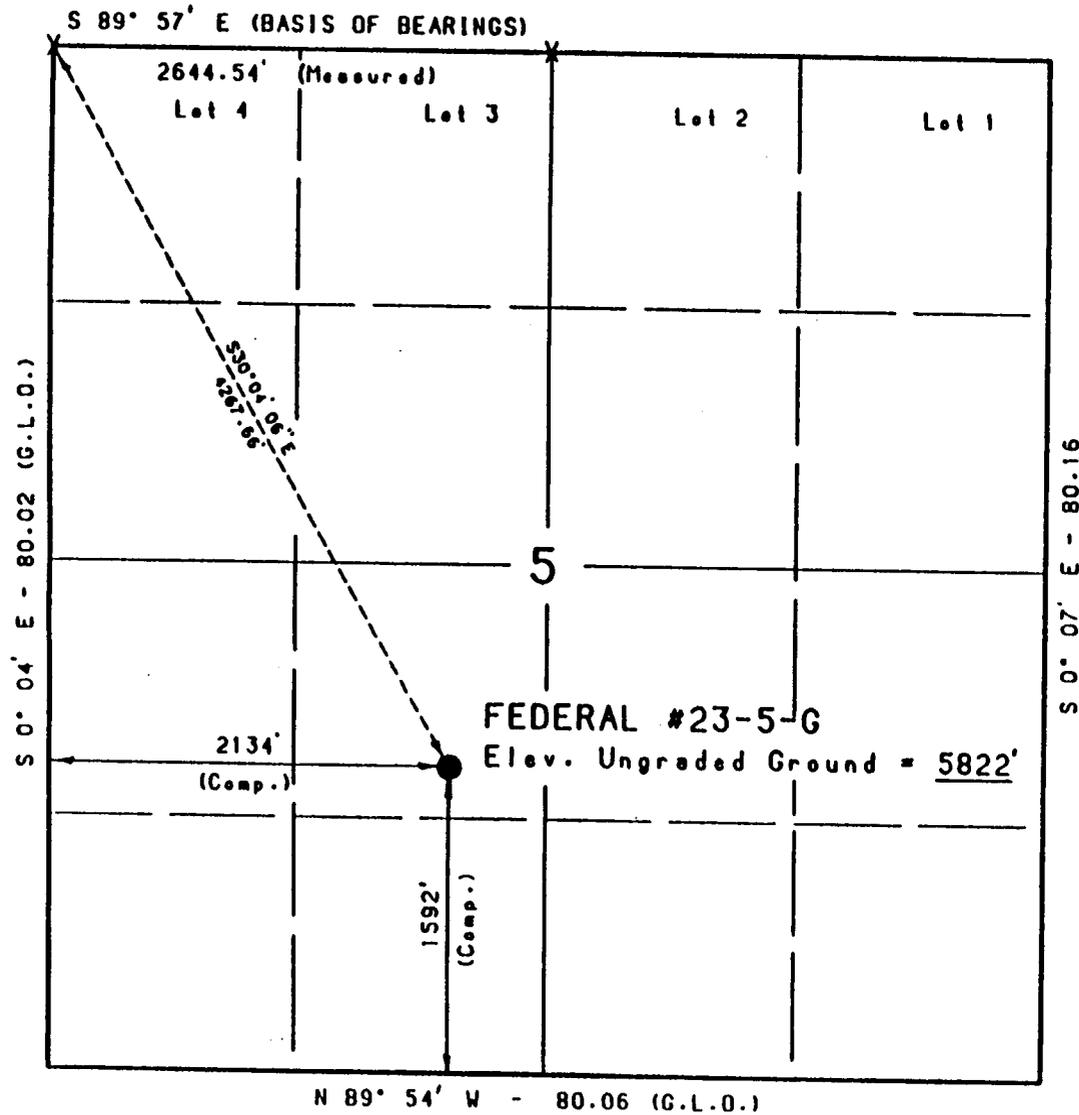
**Inland**  
401 P Street, Suite 100  
Denver, Colorado 80202  
Phone: 303.850.0700

**URVTA BASIN**  
Duckhorn & Clark Consulting, Inc.

Dec 1, 2009

Attachment A-1

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



PROJECT

NATURAL GAS CORP. OF CALIFORNIA

Well location, FEDERAL #23-5-G  
located as shown in the NE1/4  
SW1/4 of Section 5, T9S, R16E,  
S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION IN THE SE1/4 NE1/4 OF SECTION 5,  
T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SW  
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  
5822 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.

*Handwritten signature*  
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 2-2-87
PARTY L.D.T. G.S. J.R.S.	REFERENCES GLO
WEATHER COLD	FILE NATURAL GAS CORP.

X = SECTION CORNERS LOCATED (Brass Caps)

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 16 East Section 5: N/2SE/4	U-034217-A HBP	Inland Production Company	(Surface Rights) USA
2	Township 9 South, Range 16 East Section 4: Lots 1-4, S/2N/2; Section 5: Lots 1-3, S/2NE/4, SE/4NW/4, NE/4SW/4	UTU-30096 HBP	Inland Production Company Key Production Company, Inc	(Surface Rights) USA
3	Township 9 South, Range 16 East Section 3: Lots 3,4, S/2NW/4, SW/4 Section 4: NE/4SW/4, SE/4 Section 5: W/2SW/4, SE/4SW/4	UTU-73087 HBP	Inland Production Company	(Surface Rights) USA
4	Township 9 South, Range 16 East Section 8: N/2NE/4	U-020255 HBP	Inland Production Company	(Surface Rights) USA

Attachment B  
(Pg 1 of 2)

EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
5	Township 9 South, Range 16 East Section 4: W/2SW/4 Section 5: S/2SE/4	UTU-73086 HBP	Inland Production Company	(Surface Rights) USA
6	Township 9 South, Range 16 East Section 6: All Section 7: All Section 8: W/2 Section 9: NW/4SW/4 Section 17: NW/4 Section 18: L 1, 2, NE/4 E/2NW/4	UTU-74390 HBP	Inland Production Company Yates Petroleum Corp. ABO Petroleum Corp. Yates Drilling Company Myco Industries	(Surface Rights) USA
7	Township 9 South, Range 16 East Section 5: L 4, SW/NW	UTU-69744 HBP	Interline Resources Corporation Producers Pipeline Corporation	(Surface Rights) USA

Attachment 19  
(Pg 2 of 2)

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Wells Draw Federal #23-5-G

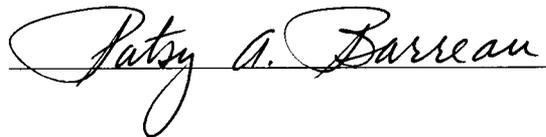
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed:

  
Inland Production Company  
John E. Dyer  
Chief Operating Officer

Sworn to and subscribed before me this 20th day of March, 1998.

Notary Public in and for the State of Colorado:





My Commission Expires 11/14/2000

# Federal #23-5G

Spud Date: 7/27/88  
 Put on Production: 9/11/88  
 GL: 5821' KB: 5836'

Initial Production: 116 BOPD, 300 MCFD  
 64 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 9-5/8"  
 GRADE: L-80  
 WEIGHT: 53.5#  
 LENGTH: 7 JTS  
 DEPTH LANDED: 300'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 165 skx Class "G" cmt, est ? bbls to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 17#  
 LENGTH: 151 jts  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 195 sks Class "G" & 445 sks Class "G"  
 CEMENT TOP AT: 1190'  
 SET AT: 6000'

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 184  
 TUBING ANCHOR: 4812'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5752'

**SUCKER RODS**

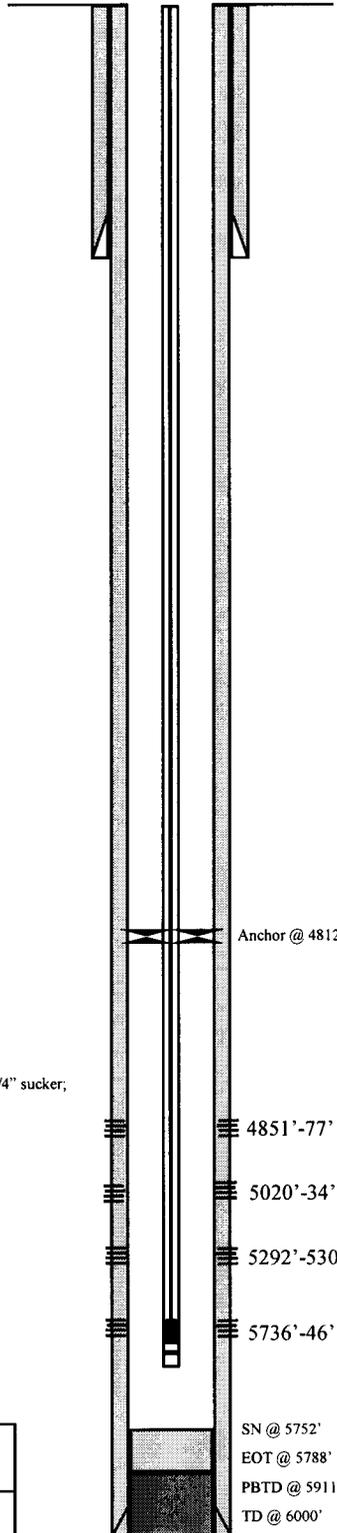
POLISHED ROD: 1-1/2"x22"  
 SUCKER RODS: 1-4', 1-6'x7/8" pony rods; 85-7/8" scraped; 69-3/4" sucker;  
 7 sinker bars; 63-3/4" sucker rods  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE: 2-1/2"x1-3/4"x16' RHAC  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: DIL/SFL/FDC/CNL/GR/CAL/CBL

**FRAC JOB**

8-18-90 5736'-5746' 961 bbls, 102,000# 20/40 sand. ISIP-2010 psi, 5 min 1836 psi. Avg rate of 40 BPM @ 1900 psi.  
 8-20-90 5292'-5301' 564 bbls, 54,000# 20/40 sand. ISIP-1950 psi, 5 min 1525 psi. Avg rate of 30 BPM @ 2050 psi.  
 8-22-90 5020'-5034' 890 bbls, 92,000# 20/40 sand. ISIP-2560 psi, 5 min 1708 psi. Avg rate of 35 BPM @ 2148 psi.  
 8-24-90 4851'-4877' 1453 bbls, 136,000# 20/40 sand. ISIP-2078 psi, 5 min 1817 psi. Avg rate of 45 BPM @ 2000 psi.

**PERFORATION RECORD**

8-17-90 5736'-5746' 4 JSPF 40 holes  
 8-19-90 5292'-5301' 4 JSPF 36 holes  
 8-21-90 5020'-5034' 4 JSPF 56 holes  
 8-23-90 4851'-4877' 4 JSPF 104 holes



**Inland Resources Inc.**  
**Federal #23-5G**  
 2134 FWL 1592 FSL  
 NESW Section 5-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31207; Lease #U-30096

# Federal #22-5G

Initial Production: 171 BOPD, 0 MCFD  
43 BWPD

Spud Date: 5/25/90  
Put on Production: 9/6/90  
GL: 5786' KB: ?'

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 24#  
LENGTH: ? JTS  
DEPTH LANDED: 311'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 210 skx Class "G" cmt, est ? bbls to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 17#  
LENGTH: ? js  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 160 sks Hi-Lift & 450 sks 10-0 RFC  
CEMENT TOP AT: 1610'  
SET AT: 6259'

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
NO. OF JOINTS: 180  
TUBING ANCHOR: 4291'  
SEATING NIPPLE: 2-7/8"  
TOTAL STRING LENGTH: ?  
SN LANDED AT: 5560'

**SUCKER RODS**

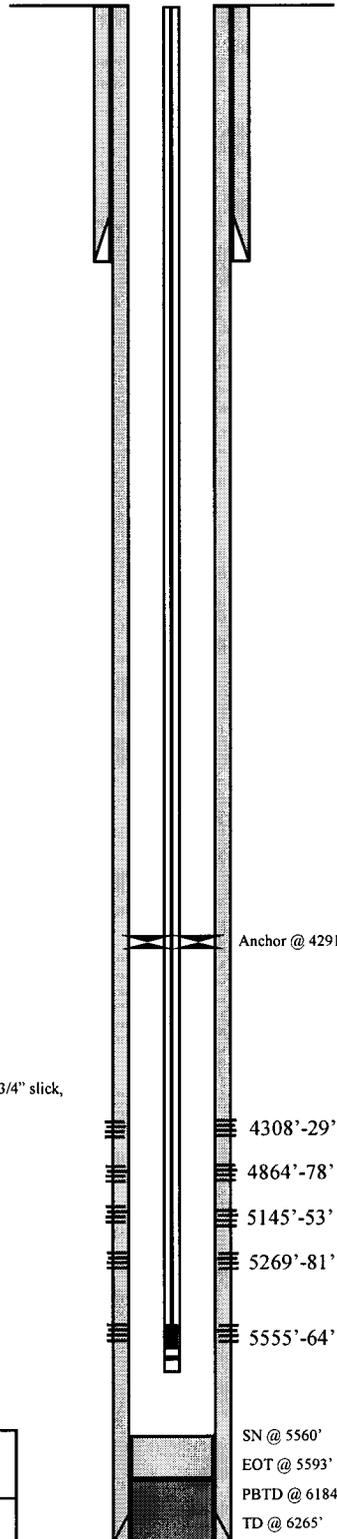
POLISHED ROD: 1-1/2"x22'  
SUCKER RODS: 1-4', 1-8'x7/8" pony rods, 97-7/8" scraped, 115-3/4" slick, 9 sinker bars  
TOTAL ROD STRING LENGTH:  
PUMP NUMBER:  
PUMP SIZE: 2-1/2"x1-3/4"x16" RHAC  
STROKE LENGTH:  
PUMP SPEED, SPM:  
LOGS: CBL/GR

**FRAC JOB**

4308'-4329'	41,800# 20/40 sd and 56,700# 16/30 sd
4864'-4878'	45,700# 20/40 sd and 57,800# 16/30 sd
5145'-5153'	15,300# 20/40 sd and 17,700# 16/30 sd
5269'-5281'	13,600# 20/40 sd and 18,100# 16/30 sd
5555'-5564'	14,300# 20/40 sd and 18,200# 16/30 sd

**PERFORATION RECORD**

5555'-5564'	4 JSPF	36 holes
5269'-5281'	4 JSPF	48 holes
5145'-5153'	4 JSPF	32 holes
4864'-4878'	4 JSPF	56 holes
4308'-4329'	4 JSPF	84 holes



Anchor @ 4291'

SN @ 5560'  
EOT @ 5593'  
PBTD @ 6184'  
TD @ 6265'



**Inland Resources Inc.**

**Federal #22-5-G**

1837 FWL 2032 FNL  
SENW Section 5-T9S-R16E  
Duchesne Co, Utah  
API #43-013-31273; Lease #U-30096

# NGC Federal #32-5G

Spud Date: 7/19/82  
 Put on Production: 11/14/82  
 GL: 5809' KB: 5823'

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

## Injection Wellbore Diagram

## FRAC JOB

### SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: K-55  
 WEIGHT: 36#  
 LENGTH: ?  
 DEPTH LANDED: 310'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 165 sxs Class "G" cmt, est ? bbls to surf.

### PRODUCTION CASING

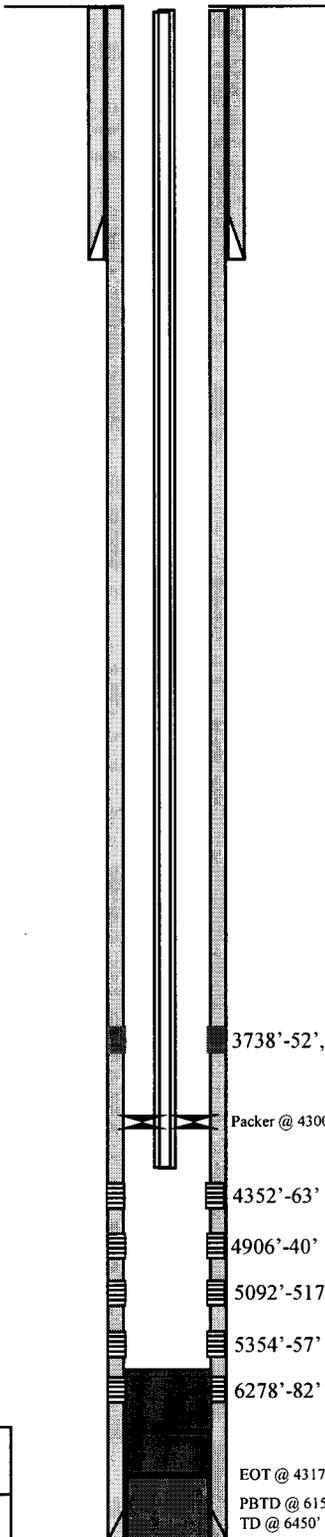
CSG SIZE: 5-1/2"  
 GRADE: N-80  
 WEIGHT: 17#  
 LENGTH: ?  
 DEPTH LANDED: 6450'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 200 sxs BJ Lite & 700 sxs 50/50 Poz cmt  
 CEMENT TOP AT:

### TUBING

SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#  
 NO. OF JOINTS: ?  
 TUBING ANCHOR: ?  
 SEATING NIPPLE: ?  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: ?

### SUCKER RODS

POLISHED ROD:  
 SUCKER RODS:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS:



3738'-52', sqz w/100 sxs Class "H"

Packer @ 4300'

4352'-63'

4906'-40'

5092'-5175'

5354'-57'

6278'-82'

EOT @ 4317'

PBTD @ 6150'

TD @ 6450'

### PERFORATION RECORD

? 6278'-6282'	3 JSPF	13 holes
? 5092'-5357'	1 JSPF	14 holes
? 4906'-4940'	1 JSPF	26 holes
? 4352'-4363'	2 JSPF	23 holes



**Inland Resources Inc.**

**NGC Federal #32-5G**

1976 FNL 1366 FEL

SWNE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-30670; Lease #U-30096

# Federal #43-5G

Spud Date: 1/2/85  
 Put on Production: ?  
 GL: 5786' KB: 5796'

Initial Production: ? BOPD, ? MCFD  
 ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: ?  
 WEIGHT: ?  
 LENGTH: ? JTS  
 DEPTH LANDED: 240'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 190 skx Class "G" cmt, est ? bbls to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: ?  
 WEIGHT: ?  
 LENGTH: ? jts  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 195 sks Lite & 385 sks thixotropic  
 CEMENT TOP AT: 750'  
 SET AT: 6025'

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 175  
 TUBING ANCHOR: ?'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5402'

**SUCKER RODS**

POLISHED ROD: 1-1/2"x22"  
 SUCKER RODS: ?  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE: 2-1/2"x1-3/4"x16' RHAC  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: CBL/GR

**FRAC JOB**

2-11-85 5742'-5756' 44,010 gals YF4G, containing 1000# inverta frac sd, 2000# diverta frac sd, 44,000# 20/40 sd & 16,992# 10/20 sd. Screened out. Avg rate of 11 BPM @ 1900 psi.

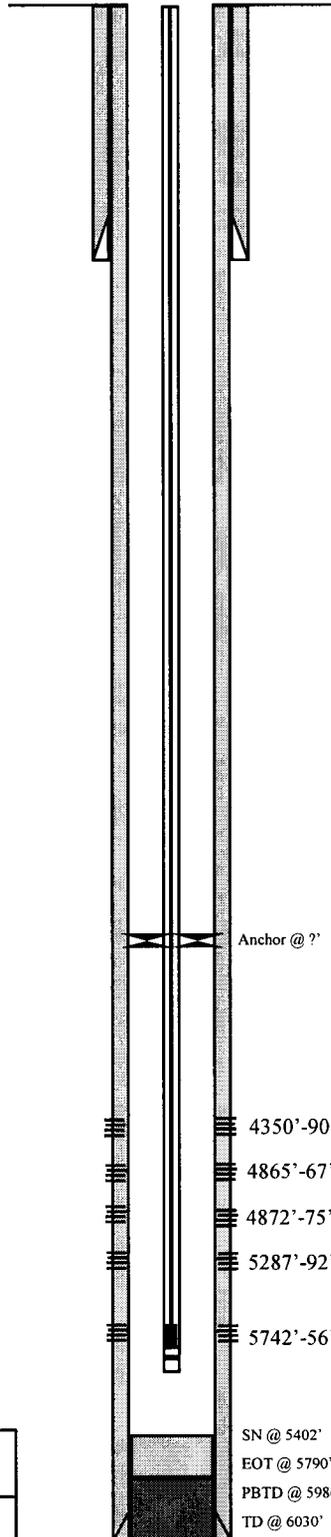
3-8-85 5287'-5297' 38,396 gals YF4G containing 1002 # diverta frac sd., 2005 # inverta frac sd, 38,000# 20/40 sd & 10,000# 10/20 sd. Avg rate of 12 BPM @ 2650 psi. ISIP-2700 psi, 15 min 2200 psi.

3-21-85 4865'-4875' 40,000 gals Beta II containing 77,000# 20/40 sd. Treated w/avg press of 3000 psi w/avg rate of 17 BPM. ISIP-2200 psi, 15 min 1640 psi.

3-29-85 4350'-4390' 68,352 gals YF4G containing 85,500# 20/40 sd & 3360# 10/20 sd. Screened out. Avg rate of 20 BPM @ 1900 psi. ISIP-2000 psi, 20 min 1175 psi.

**PERFORATION RECORD**

2-11-85 5742'-5756' 2 JSPF 28 holes  
 3-7-85 5287'-5292' 2 JSPF 20 holes  
 3-20-85 4865'-4867' 4 JSPF 8 holes  
 3-20-85 4872'-4875' 4 JSPF 12 holes  
 3-28-85 4350'-4390' 2 JSPF 80 holes



**Inland Resources Inc.**

**Federal #43-5G**

1989 FSL 570 FELL

NESE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-30858; Lease #U-034217A

# Monument Federal #31-8-9-16

Spud Date: 1/15/97  
 Put on Production: 9/6/90  
 GL: 5786' KB: ?

Initial Production: ? BOPD, ? MCFD  
 ? BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 JTS  
 DEPTH LANDED: 256.20'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 skx Class "G" cmt, est 5 bbls to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 143 jts (5974.92')  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 240 sks Premium & 390 sks Poz 50/50  
 CEMENT TOP AT: 900'  
 SET AT: 5984.92'

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 173  
 TUBING ANCHOR: 4233'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: 5385'

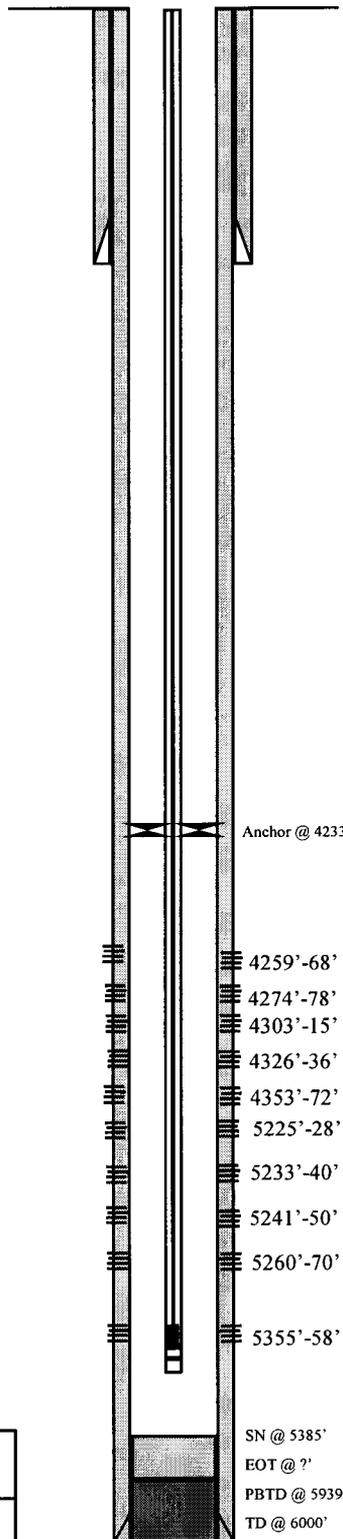
**SUCKER RODS**

POLISHED ROD: 1-1/4"x22"  
 SUCKER RODS: 2-2"x7/8" pony rods, 213-3/4" plain  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE: 2-1/2"x1-1/2"x16" RWAC  
 STROKE LENGTH: 84"  
 PUMP SPEED, SPM: 6.75 SPM  
 LOGS: CBL/GR

**FRAC JOB**

**1-28-97 5225'-5358'** Frac sand as follows:  
 29,840# 20/40 sd, 69,160# 16/30 sd  
 w/26,964 gals 2% KCL. ATP-2350 psi  
 w/avg rate of 33.0 BPM. ISIP-4570 psi, 5  
 min 1550 psi.

**1-31-97 4259'-4372'** Frac sand as follows:  
 162,000# 16/30 sd w/ 45,194 gals 2% KCL.  
 ATP-2150 psi w/avg rate of 41.9 BPM.  
 ISIP-2450 psi, 5 min 1940 psi.



Anchor @ 4233'

4259'-68'  
 4274'-78'  
 4303'-15'  
 4326'-36'  
 4353'-72'  
 5225'-28'  
 5233'-40'  
 5241'-50'  
 5260'-70'  
 5355'-58'

SN @ 5385'  
 EOT @ ?  
 PBTB @ 5939'  
 TD @ 6000'

**PERFORATION RECORD**

Date	Depth Range	Perforation Type	Number of Holes
1-27-97	5225'-5228'	1 JSPF	3 holes
1-27-97	5233'-5240'	1 JSPF	7 holes
1-27-97	5241'-5250'	1 JSPF	9 holes
1-27-97	5260'-5270'	1 JSPF	10 holes
1-27-97	5355'-5358'	4 JSPF	12 holes
1-30-97	4259'-4268'	2 JSPF	18 holes
1-30-97	4274'-4278'	2 JSPF	8 holes
1-30-97	4303'-4315'	4 JSPF	48 holes
1-30-97	4326'-4336'	4 JSPF	40 holes
1-30-97	4353'-4372'	4 JSPF	116 holes



**Inland Resources Inc.**

**Monument Federal #31-8-9-16**

520 FNL 2076 FEL  
 NWNE Section 8-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31721; Lease #U-30096

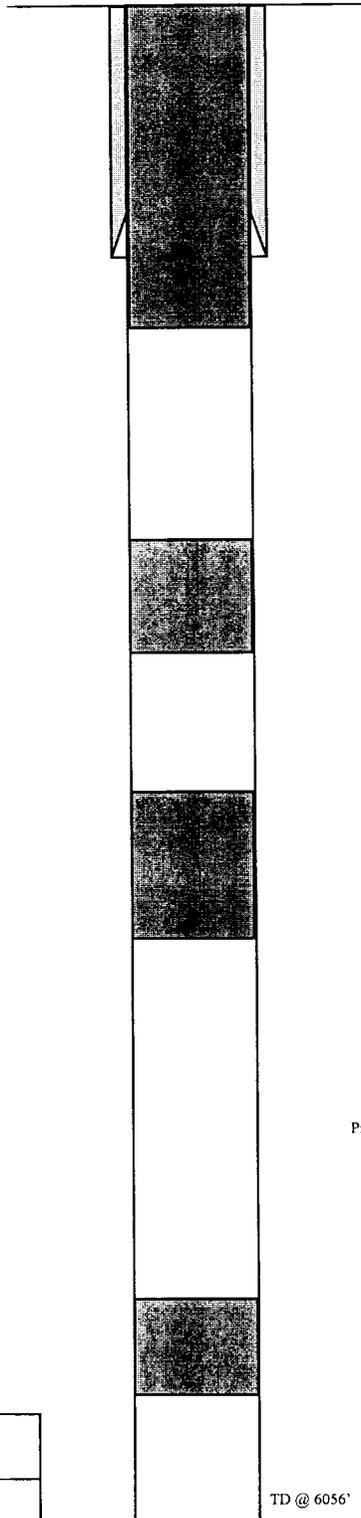
# Castle Peak Unit #9

Spud Date: 3/11/65  
P&A'd: N/A  
GL: 5811' KB: 5821'

Put on Production: 4/11/65  
Cumulative Production  
24918 BO  
37861 MCF  
0 BW

Per State of Utah-DOGM records, this well was drilled by Diamond Shamrock. Current status on file is P&A'd. Plug date and cement plug detail were not available.

P&A Wellbore Diagram



Prod Interval: 4600'-5750'

TD @ 6056'



**Inland Resources Inc.**

**Castle Peak Unit #9**

819 FSL 763 FEL

SESE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-15787; Lease #U-034217-A

(May 1963)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN TRI (Other instructions reverse side)

USA U-034217-A

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 [X] GAS WELL [ ] OTHER [ ]
2. NAME OF OPERATOR Diamond Shamrock Corporation
3. ADDRESS OF OPERATOR Box 631, Amarillo, Texas 79173
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.) At surface SE 819' from south line and 763' from east line
14. PERMIT NO.
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5821' KB; 5811' Gr.
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Castle Peak Unit
9. WELL NO. 9
10. FIELD AND POOL, OR WILDCAT Monument Butte
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T9S, R16E S1M
12. COUNTY OR PARISH Duchesne
13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF [ ], PULL OR ALTER CASING [ ], MULTIPLE COMPLETE [ ], ABANDON\* [ ], CHANGE PLANS [ ], (Other) [ ]
SUBSEQUENT REPORT OF: WATER SHUT-OFF [ ], REPAIRING WELL [ ], FRACTURE TREATMENT [ ], ALTERING CASING [X], SHOOTING OR ACIDIZING [ ], ABANDONMENT\* [ ], (Other) [ ]
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Plugging Procedure

Set cement plugs as follows:

- 20 sacks 4,400' - 4,600'
35 sacks 4,200' - 4,100'
35 sacks 1,270' - 1,370'
35 sacks 170' - 270'
10 sacks Top of surface casing

Installed dry hole marker.

Completed as plugged and abandoned 2-15-74.

Plugging was approved by USGS 1-14-74.

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Manager of Drill. Oper. DATE 2-21-74

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

Dwight's Energydata Inc.  
 Rocky Mountain  
 Utah Oil

Run Date: 3/20/98  
 Published 01/98  
 (#144,013,15787DGCRK)

Operator:	DIAMOND SHAMROCK EXPL CO	First Production Date:	04/65
Well/Lease Name:	CASTLE PEAK UNIT #9 NW SE SE	Cum. Thru L. P. Date Oil:	24,918
Well #:	U-0342	Cum. Thru L. P. Date Gas:	37,861
Location:	5 9S 16E	Total Depth:	6,056
State:	UT	Liquid Gravity:	30.2
District:	013		
County:	DUCHESNE		
Regulatory #:			
API #:	43-013-1578700		
Field:	MONUMENT BUTTE (DOUGLAS CREEK)		
Reservoir:	DOUGLAS CREEK		
Basin:	UINTA BASIN		
Gas Gatherer:			
Liquid Gatherer:			
Status Date:			
Status:	INA		

DWIGHTS ENERGYDATA, INC.  
 OIL LEASE HISTORY  
 UTAH OIL

RUN DATE: 03/20/98  
 Published 01/98  
 (#144,013,15787DGCRK )

OPERATOR (#191777)	WELL NAME	WELL #
DIAMOND SHAMROCK EXPL CO	CASTLE PEAK UNIT #9 NW SE SE	U-0342

LOCATION	STATE	DIST	COUNTY (#013)
5 9S 16E	UT	013	DUCHESNE

API #	FIELD (#190002850)	RESERVOIR
43-013-1578700	MONUMENT BUTTE (DOUGLAS CREEK)	DOUGLAS CREEK

TOTAL DEPTH	UPPER PERF	LOWER PERF	GAS GATH	LIQ GATH	GAS GRAV	LIQ GRAV	TEMP GRAD
6056						30.2	

COMP DATE	1ST PROD DATE	LAST PROD DATE	STATUS DATE	STATUS
	6504			INA

BEG LIQ CUM	BEG GAS CUM
24918	37861

CUM THRU LPD OIL/BBLs	OIL CUM SINCE DATE	CUM THRU LPD CSGHD GAS/MCF	CASINGHEAD CUM SINCE DATE
24918	FPDAT	37861	FPDAT

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Office (801) 722-5068  
Fax (801) 722-5727

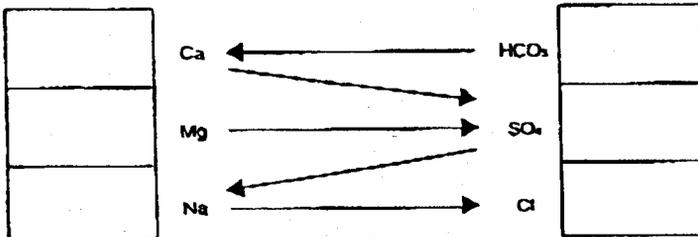
## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 01-14-98  
 Source Johnson Water  
FRESH WATER Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u>	÷ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>300</u>	÷ 61 <u>5</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		OH <u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>35</u>	÷ 35.5 <u>1</u> Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>110</u>	÷ 48 <u>2</u> SO <sub>4</sub>
10. Calcium (Ca)		Ca <u>44</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)		MG <u>22</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

\*Mill equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equlv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>2</u>			<u>146</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00	<u>1</u>			<u>84</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>2</u>			<u>142</u>
NaCl	58.45	<u>1</u>			<u>59</u>

Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
MgCO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Office (801) 722-5066  
Fax (801) 722-5727

## WATER ANALYSIS REPORT

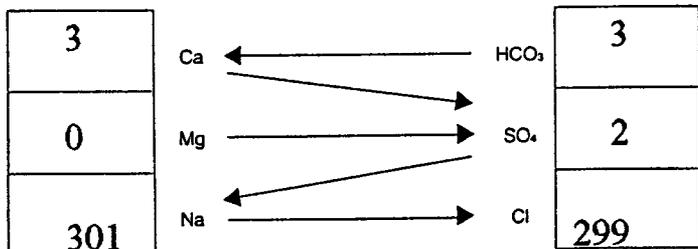
Company INLAND Address \_\_\_\_\_ Date 01-27-98

Source WD 23-5G Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>9.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>1.0</u>		
3. Specific Gravity	<u>1.015</u>		
4. Dissolved Solids		<u>17,865</u>	
5. Alkalinity (CaCO <sub>3</sub> )		<u>0</u>	÷ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		<u>180</u>	÷ 61 <u>3</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		<u>10,600</u>	÷ 35.5 <u>299</u> Cl
9. Sulfates (SO <sub>4</sub> )		<u>100</u>	÷ 48 <u>2</u> SO <sub>4</sub>
10. Calcium (Ca)		<u>64</u>	÷ 20 <u>3</u> Ca
11. Magnesium (Mg)		<u>0</u>	÷ 12.2 <u>0</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>320</u>	
13. Total Iron (Fe)		<u>5.0</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04		<u>3</u>		<u>243</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03		<u>2</u>		<u>142</u>
NaCl	58.46		<u>299</u>		<u>17,480</u>

Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
MgCO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

03-04-98

WATER DESCRIPTION:	JOHNSON WATER	WD 23-5G
P-ALK AS PPM CaCO3	0	0
M-ALK AS PPM CaCO3	492	295
SULFATE AS PPM SO4	110	100
CHLORIDE AS PPM Cl	35	10600
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	160
MAGNESIUM AS PPM CaCO3	90	0
SODIUM AS PPM Na	92	6923
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	17865
TEMP (DEG-F)	150	150
SYSTEM pH	7	9

WATER COMPATIBILITY CALCULATIONS  
 JOHNSON WATER AND WD 23-5G  
 CONDITIONS: TEMP.=150 AND pH=8  
 WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.33	36	0	0	0
90	1.27	37	0	0	0
80	1.21	38	0	0	0
70	1.14	39	0	0	0
60	1.08	40	0	0	0
50	1.01	40	0	0	0
40	.94	40	0	0	0
30	.89	40	0	0	0
20	.84	40	0	0	0
10	.79	40	0	0	0
0	.74	39	0	0	0

**Exhibit "G"**

**Wells Draw Federal 23-5G  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
4851	4877	4864	2078	0.86	2061
5020	5034	5027	2560	0.94	2534
5292	5301	5297	1950	0.80	1931 ←
5736	5746	5741	2010	0.78	1978
<b>Minimum</b>					<b>1931</b>

Calculation of Maximum Surface Injection Pressure  

$$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$$
 where pressure gradient for the fresh water is .433 psi/ft and specific gravity of the injected water is 1.005.

Frac Gradient is obtained from the service company's frac summary report.

**NOTE:** The calculated fracture gradients and maximum injection pressures are not valid due to screen outs on two sets of perforations. A step rate test will be conducted at the time of conversion to determine the maximum injection pressure.









# Federal #23-5G

Spud Date: 7/27/88  
Put on Production: 9/11/88  
GL: 5821' KB: 5836'

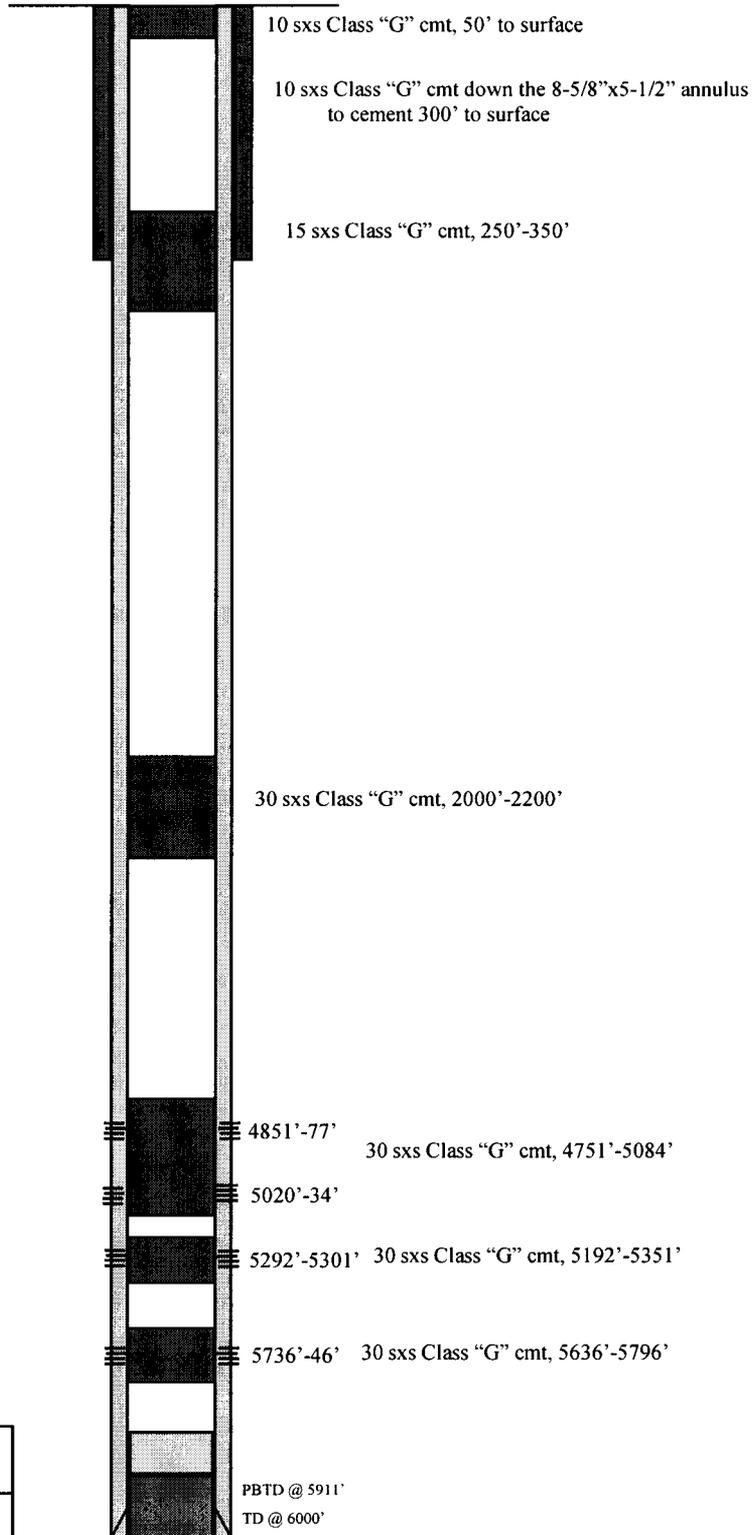
## Proposed P&A Wellbore Diagram

### SURFACE CASING

CSG SIZE: 9-5/8"  
GRADE: L-80  
WEIGHT: 53.5#  
LENGTH: 7 JTS  
DEPTH LANDED: 300'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 165 skx Class "G" cmt, est ? bbls to surface

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 17#  
LENGTH: 151 jts  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 195 sks Class "G" & 445 sks Class "G"  
CEMENT TOP AT: 1190'  
SET AT: 6000'



	<b>Inland Resources Inc.</b>
	<b>Federal #23-5G</b>
	2134 FWL 1592 FSL
	NESW Section 5-T9S-R16E
	Duchesne Co, Utah
	API #43-013-31207; Lease #U-30096



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

March 10, 1998

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066-9998

Re: Notice of Agency Action - Cause No. UIC-206

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

*Lorraine Platt*

Lorraine Platt  
Secretary

Enclosure



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Lowell P. Braxton  
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PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

March 10, 1998

Newspaper Agency Corporation  
Legal Advertising  
PO Box 45838  
Salt Lake City, Utah 84145

Re: Notice of Agency Action - Cause No. UIC-206

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

*Lorraine Platt*

Lorraine Platt  
Secretary

Enclosure

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

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF INLAND	:	ACTION
PRODUCTION COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-206
THE 23-33B, 12-4G, 43-5, 21-5G AND	:	
23-5G WELLS LOCATED IN SECTION	:	
33, TOWNSHIP 8 SOUTH, RANGE 16	:	
EAST AND SECTIONS 4 AND 5,	:	
TOWNSHIP 9 SOUTH, RANGE 16	:	
EAST, S.L.M., DUCHESNE COUNTY,	:	
UTAH, AS CLASS II INJECTION	:	
WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the 23-33B, 12-4G, 43-5, 21-5G and 23-5G wells, located in Section 33, Township 8 South, Range 16 East and Sections 4 and 5, Township 9 South, Range 16 East, S.L.M., Duchesne County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure and rate will be determined on each individual well based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 10th day of March 1998.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
John R. Baza  
Associate Director

*PUBLISHED  
3/17/98*

**Inland Production Company  
23-33B, 12-4G, 43-5, 21-5G and 23-5G Wells  
Cause No. UIC-206**

Publication Notices were sent to the following:

Inland Production Company  
410 17th Street, Suite 700  
Denver, Colorado 80202

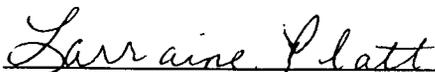
Inland Production Company  
P.O. Box 1446  
Roosevelt, Utah 84066

Newspaper Agency Corporation  
Legal Advertising  
P.O. Box 45838  
Salt Lake City, Utah 84145

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

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

U.S. Environmental Protection Agency  
Region VIII  
Attn. Dan Jackson  
999 18th Street  
Denver, Colorado 80202-2466



Lorraine Platt  
Secretary  
March 10, 1998



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

February 21, 2001

Inland Production Company  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: Wells Draw Secondary Recovery Unit Well: Wells Draw Federal 23-5-G, Section 5,  
Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing\tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Dan Jarvis at this office.

Sincerely,

John R. Baza  
Associate Director, Oil and Gas

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Well:** Wells Draw Fed. #23-5-G

**Location:** 5/9S/16E

**API:** 43-013-31207

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Wells Draw Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland will be the operator of the Wells Draw Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 300 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6000 feet and has a cement top at 1190'. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4801 feet. A mechanical integrity test will be run on the well prior to injection. There are 3 producing wells and 2 water injection wells and 1 P&A well in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 800 feet. Injection shall be limited to the interval between 4851 feet and 5746 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 23-5-G well is .80 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1931 psig. The requested maximum pressure is 1931 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Wells Draw Federal #23-5-G**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Wells Draw Unit on January 26, 1994. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill

Date 2/21/2001

**INJECTION WELL - PRESSURE TEST**

Well Name: <u>WD # 23 5G</u>	API Number: <u>43013-31207</u>
Qtr/Qtr: <u>N2/S60</u> Section: <u>5</u>	Township: <u>9S</u> Range: <u>16E</u>
Company Name: <u>Triana Production Company</u>	
Lease: State <u>Utah</u> Fee _____	Federal <u>U-72613A</u> Indian _____
Inspector: <u>Alvin L. Dyer</u>	Date: <u>04-24-02</u>

**Initial Conditions:**

Tubing - Rate: \_\_\_\_\_ Pressure: 635 psi  
 Casing/Tubing Annulus - Pressure: 1175 psi

**Conditions During Test:**

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1175</u>	<u>635</u>
5	<u>1175</u>	<u>635</u>
10	<u>1170</u>	<u>635</u>
15	<u>1170</u>	<u>635</u>
20	<u>1170</u>	<u>635</u>
25	<u>1170</u>	<u>635</u>
30	<u>1170</u>	<u>635</u>

Results: Pass/Fail

**Conditions After Test:**

Tubing Pressure: 635 psi  
 Casing/Tubing Annulus Pressure: 1170 psi

UIC-206.2

COMMENTS: Test started @ 10:00am

Bert Ferris  
 Operator Representative

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-30096</b>	
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <b>N/A</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		7. UNIT AGREEMENT NAME <b>WELLS DRAW</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Rt. 3 Box 3630, Myton Utah 84052</b> <b>435-646-3721</b>		8. FARM OR LEASE NAME <b>FEDERAL 23-5-G</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW Section 5, T9S R16E</b> <b>1592 FSL 2134 FWL</b>		9. WELL NO. <b>FEDERAL 23-5-G</b>	
<b>14 API NUMBER</b> <b>43-013-31207</b>		10. FIELD AND POOL, OR WILDCAT <b>MONUMENT BUTTE</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5836 KB</b>		11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA <b>NE/SW Section 5, T9S R16E</b>	
<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>		13. STATE <b>UT</b>	

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(OTHER) <input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> <b>Injection Conversion</b>

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

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

The subject well was converted from a producing to an injection well on 4/18/02. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4761'. On 4/22/02 Mr. Dennis Ingram was contacted and gave permission to conduct a MIT on the casing. On 4/24/02 the casing was pressured to 1175 psi and charted for 1/2 hour w/ 5 psi loss in pressure. Mr. Dennis Ingram was there to witness the test.

18 I hereby certify that the foregoing is true and correct

SIGNED Krishna Russell TITLE Production Clerk DATE 4/25/2002  
Krishna Russell

cc: BLM  
(This space for Federal or State office use)

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

**RECEIVED**  
**APR 26 2002**  
DIVISION OF  
OIL GAS AND MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: DENNIS INGRAM Date 4/24/02 Time 10:00  am  pm

Test Conducted by: BRET HENRIE

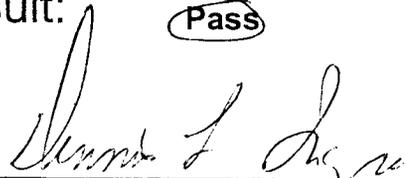
Others Present: \_\_\_\_\_

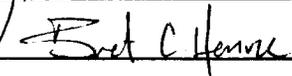
Well: <u>WELLS DRAW 23-59</u>	Field: <u>WELLS DRAW</u>
Well Location: <u>SEC. 5-T8S R16E</u>	API No: <u>43-013</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1175</u>	psig
5	<u>1175</u>	psig
10	<u>1170</u>	psig
15	<u>1170</u>	psig
20	<u>1170</u>	psig
25	<u>1170</u>	psig
30 min	<u>1170</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 635 psig

Result:  Pass  Fail

Signature of Witness: 

Signature of Person Conducting Test: 

11 A.M.

12 NOON

1 P.M.

2 P.M.

3 P.M.

4 P.M.

5 P.M.

6 P.M.

7 P.M.

8 P.M.

9 P.M.

10 P.M.

11 P.M.

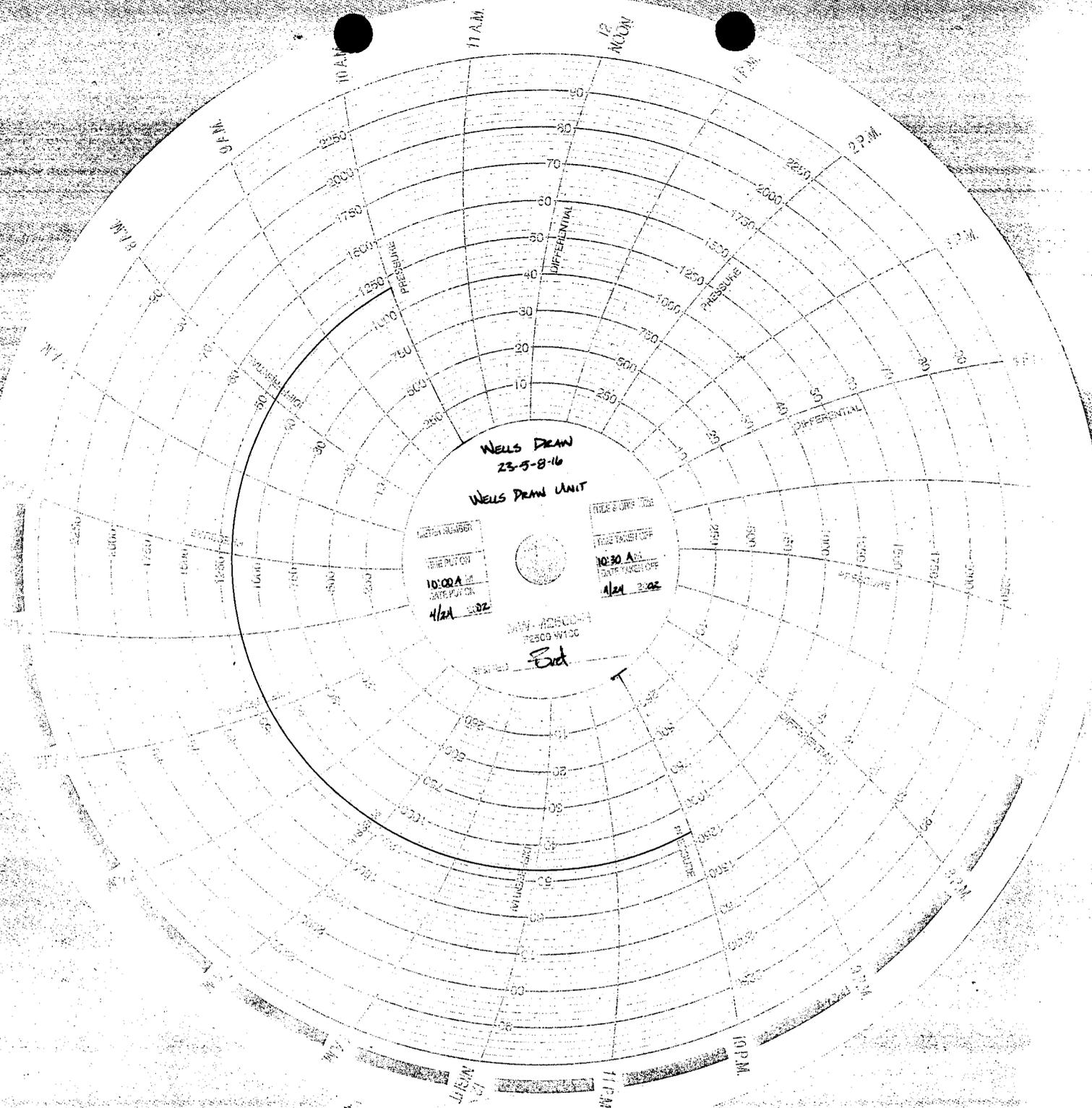
12 MIDNIGHT

WELLS DRAW  
23-5-8-16  
WELLS DRAW UNIT

WELL NUMBER  
WELL POSITION  
10:00 A.M.  
DATE TAKEN OFF  
4/24 2002

WELL NUMBER  
WELL POSITION  
10:30 A.M.  
DATE TAKEN OFF  
4/24 2002

WELL NUMBER  
WELLS DRAW UNIT  
PERIOD W100  
End





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

**UNDERGROUND INJECTION CONTROL PERMIT**

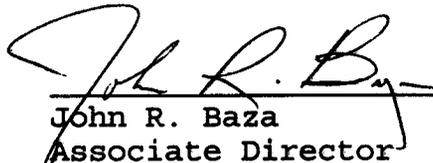
**Cause No. 206.2**

**Operator:** Inland Production Company  
**Well:** Wells Draw Federal 23-5-G  
**Location:** Section 5, Township 9 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31207  
**Well Type:** Enhanced Recovery (waterflood)

**Stipulations of Permit Approval**

1. Approval for conversion to Injection Well issued on February 21, 2001.
2. Maximum Allowable Injection Pressure: 1931 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4801 feet - 5746 feet)

Approved by:

  
John R. Baza  
Associate Director

5/2/2002  
Date

cc: Dan Jackson Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
**U-30096**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**WELLS DRAW**

8. Well Name and No.  
**FEDERAL 23-5-G**

9. API Well No.  
**43-013-31207**

10. Field and Pool, or Exploratory Area  
**MONUMENT BUTTE**

11. County or Parish, State  
**DUCHESNE COUNTY, UTA**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1592 FSL 2134 FWL      NE/SW Section 5, T9S R16E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<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 <b>Report of first injection</b>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water

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

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

The above referenced well was put on injection at 9:30 a.m. on 5/3/02.

**RECEIVED**

**MAY 06 2002**

**DIVISION OF  
OIL, GAS AND MINING**

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

Signed *Mandie Crozier* Title Permit Clerk Date 5/3/2002  
**Mandie Crozier**

CC: UTAH DOGM

(This space for Federal or State office use)

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

Conditions of approval, if any:



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

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 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

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

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: <u>Inland Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

NEW OPERATOR

Company: <u>Newfield Production Company</u>	Name: <u>Brian Harris</u>
Address: <u>1401 17th Street Suite 1000</u>	Signature: <u><i>Brian Harris</i></u>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: _____	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *A. Hunt* Approval Date: 9-20-04  
 Title: Perk. Services Manager

Comments: Note: Indian Country wells will require EPA approval.

RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING

**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**

<b>FROM: (Old Operator):</b> N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO: ( New Operator):</b> N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
-----------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------

**CA No.**

**Unit:**

**Wells Draw (Green River)**

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The FORMER operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-30096

**SUNDRY NOTICES AND REPORTS ON WELLS**

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:  
WELLS DRAW UNIT

1. TYPE OF WELL:      OIL WELL       GAS WELL       OTHER

8. WELL NAME and NUMBER:  
FEDERAL 23-5G

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301331207

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

10. FIELD AND POOL, OR WILDCAT:  
MONUMENT BUTTE

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1592 FSL 2134 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN:      NESW, 5, T9S, R16E

STATE:      UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  <hr/>	<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:  03/23/2007	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
On 3/22/07 Dennis Ingram with the State of Utah (DOG M) was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 3/23/07. On 3/23/07 the casing was pressured up to 1300 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1800 psig during the test. There was not a State representative available to witness the test.  
API# 43-013-31207

NAME (PLEASE PRINT) Callie Ross      TITLE Production Clerk  
SIGNATURE *Callie Ross*      DATE 03/27/2007

(This space for State use only)

**RECEIVED**  
**MAR 29 2007**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 3/23/07 Time 3:00 am

Test Conducted by: GORDON Womack

Others Present: \_\_\_\_\_

Well: <u>WD-23-56-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NE 1/4 Sec 5, T9S, R16E</u> <u>Duchesne Co UTAH</u>	API No: <u>43-013-31207</u>

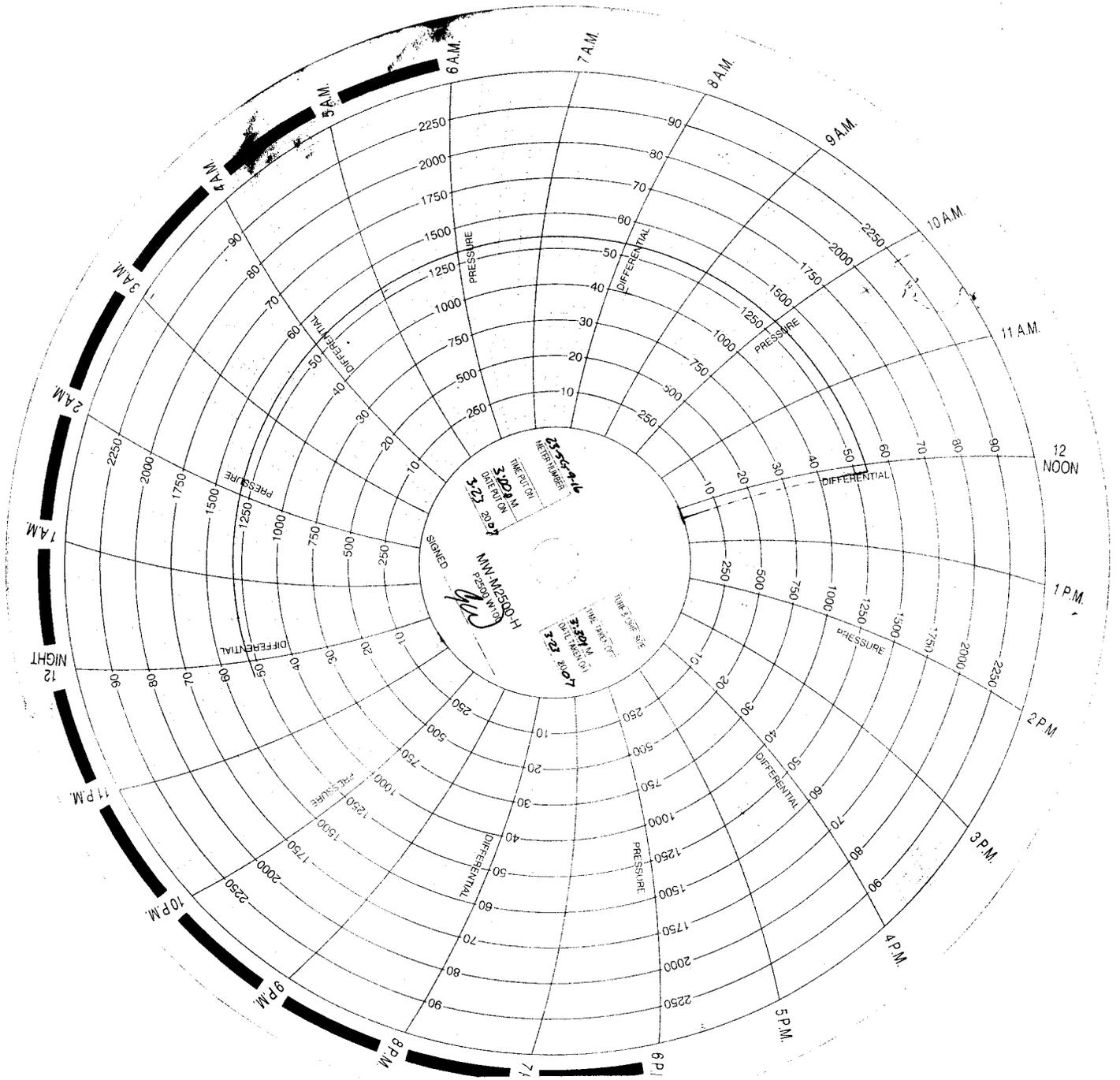
Time	Casing Pressure	
0 min	<u>1300</u>	psig
5	<u>1300</u>	psig
10	<u>1300</u>	psig
15	<u>1300</u>	psig
20	<u>1300</u>	psig
25	<u>1300</u>	psig
30 min	<u>1300</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1800 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Gordon Womack



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-30096
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	8. WELL NAME and NUMBER: FEDERAL 23-5-G
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1592 FSL 2134 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 05 Township: 09.0S Range: 16.0E Meridian: S	9. API NUMBER: 43013312070000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	COUNTY: DUCHESNE
STATE: UTAH	STATE: UTAH

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

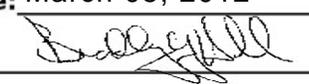
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/14/2012	<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 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="5 YR MIT"/>

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

On 02/09/2012 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 02/14/2012 the casing was pressured up to 1200 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1845 psig during the test. There was not a State representative available to witness the test.

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

Date: March 05, 2012

By: 

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 2/21/2012	

# Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 2/14/12 Time 11:00 ~~am~~ pm

Test Conducted by: TRENT HORROCKS

Others Present: \_\_\_\_\_

Well: <u>Federal 23-5G-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>Fed. 23-5G-9-16</u>	API No: <u>43-013-31207</u>
<u>NE1SW Sec. 5 T9S R16E Duch. Cnty, UT.</u>	

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1200</u>	psig
5	<u>1200</u>	psig
10	<u>1200</u>	psig
15	<u>1200</u>	psig
20	<u>1200</u>	psig
25	<u>1200</u>	psig
30 min	<u>1200</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1845 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Trent Horrocks



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-30096
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 23-5-G
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013312070000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1592 FSL 2134 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 05 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/21/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input checked="" type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="MIT"/>

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

The above subject well had workover procedures performed (tubing leak), attached is a daily status report. On 01/17/2014 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 01/21/2014 the csg was pressured up to 1430 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 950 psig during the test. There was not a State representative available to witness the test - Chris Jensen.

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

**Date:** February 03, 2014

**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/30/2014	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 1/21/14 Time 9:40 am pm  
Test Conducted by: Britt Jensen  
Others Present: \_\_\_\_\_

Well: Federal 23-59-9-16 Field: OMBU  
Well Location: NE/SW Sec 5, T9S, R16E API No: 43-013-31207

Work Over MIT

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1430</u>	psig
5	<u>1430</u>	psig
10	<u>1430</u>	psig
15	<u>1430</u>	psig
20	<u>1430</u>	psig
25	<u>1430</u>	psig
30 min	<u>1430</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

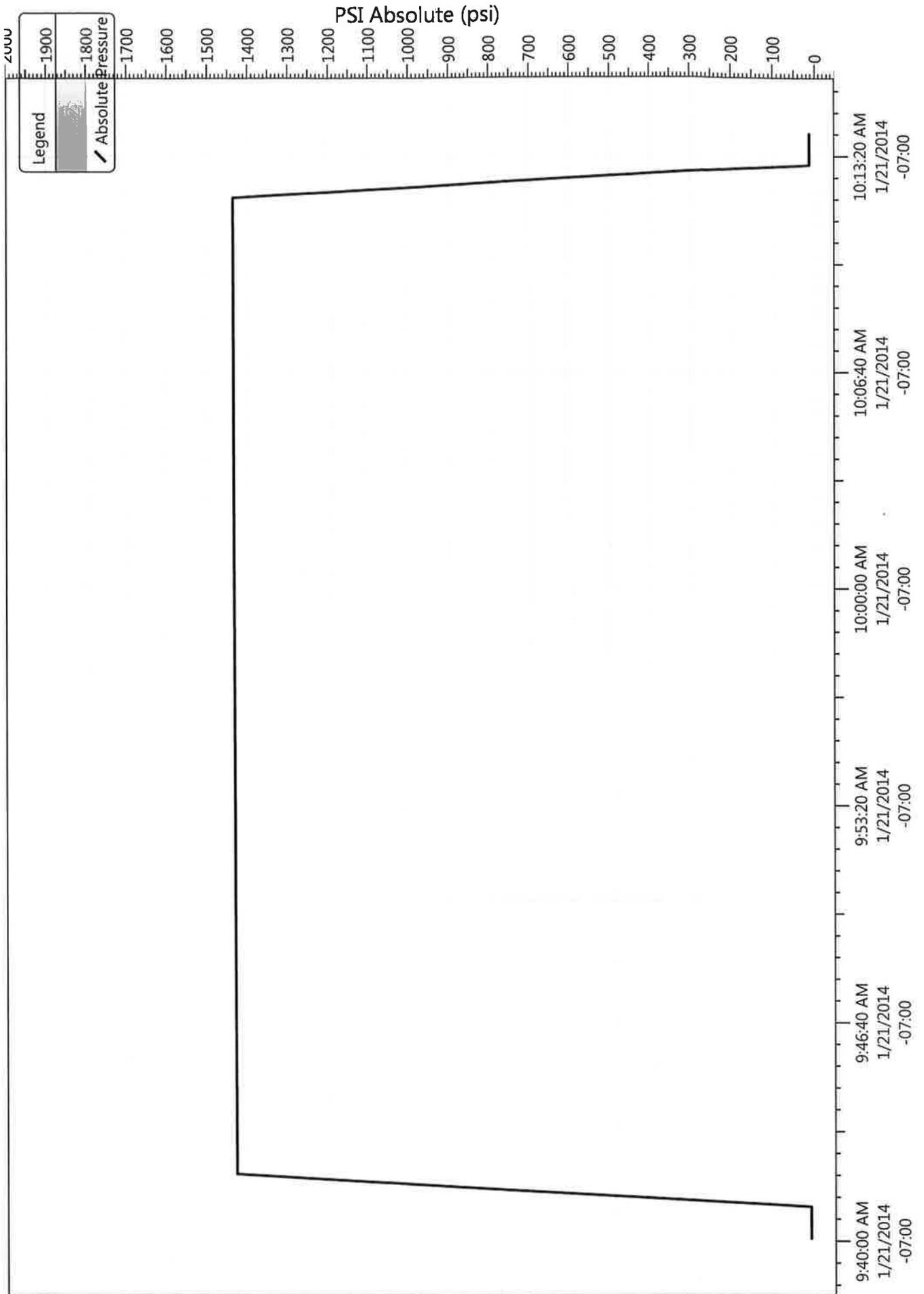
Tubing pressure: 950 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Britt Jensen

Federal 23-5g-9-16  
1/21/2014 9:38:51 AM



## Daily Activity Report

Format For Sundry

**FEDERAL 23-5G-9-16**

**11/1/2013 To 3/28/2014**

**12/16/2013 Day: 1**

**Tubing Leak**

Nabors #1108 on 12/16/2013 - TOH w rods - RD RIG RACK OUT WINCH TRUCK AND TOOLS CLEAN LOCATION SDFN - TRAVEL TIME - ORDERED SCAVENGER TO BE HERE TODAY @ 7 AM, CHEMNEVER SHOWED UP, ON STDBY WAITING FOR CHEM TO SHOW UP. - ORDERED SCAVENGER TO BE HERE TODAY @ 7 AM, CHEMNEVER SHOWED UP, ON STDBY WAITING FOR CHEM TO SHOW UP. - ORDERED SCAVENGER TO BE HERE TODAY @ 7 AM, CHEMNEVER SHOWED UP, ON STDBY WAITING FOR CHEM TO SHOW UP. - PUMP 60 BBLs TREATED WATER DOWN CSG TO TREAT/KILL/ DISPLACE H2S PROBLEM. ROLLED WELL WITH 800PSI AND HOT OILER HAD A HARD TIME GETTING FLUID PUMPED. - PUMP 60 BBLs TREATED WATER DOWN CSG TO TREAT/KILL/ DISPLACE H2S PROBLEM. ROLLED WELL WITH 800PSI AND HOT OILER HAD A HARD TIME GETTING FLUID PUMPED. - PUMP 60 BBLs TREATED WATER DOWN CSG TO TREAT/KILL/ DISPLACE H2S PROBLEM. ROLLED WELL WITH 800PSI AND HOT OILER HAD A HARD TIME GETTING FLUID PUMPED. - FINISH POOH WITH TBG AND PACKER, TALLY OUT. - FINISH POOH WITH TBG AND PACKER, TALLY OUT. - FINISH POOH WITH TBG AND PACKER, TALLY OUT. - TRAVEL TIME - TRAVEL TIME - TRAVEL TIME - PREP TO MOVE TIG TO NEXT WELL - PREP TO MOVE TIG TO NEXT WELL - PREP TO MOVE TIG TO NEXT WELL - ROAD RIG FROM 22-5G-9-16 TO THE 23-5G-9-16 - ROAD RIG FROM 22-5G-9-16 TO THE 23-5G-9-16 - ROAD RIG FROM 22-5G-9-16 TO THE 23-5G-9-16 - SPOT RIG, RU RIG - SPOT RIG, RU RIG - SPOT RIG, RU RIG - SPOT IN WIRELINE, RU WIRELINE, RIH TO SHOOT H.I.T. @ 4795', WIRELINE WAS SHOWING PSN @ 4800'. TBG DETAIL SHOWED PSN @ 4738 AND EOT @ 4746'. - SPOT IN WIRELINE, RU WIRELINE, RIH TO SHOOT H.I.T. @ 4795', WIRELINE WAS SHOWING PSN @ 4800'. TBG DETAIL SHOWED PSN @ 4738 AND EOT @ 4746'. - SPOT IN WIRELINE, RU WIRELINE, RIH TO SHOOT H.I.T. @ 4795', WIRELINE WAS SHOWING PSN @ 4800'. TBG DETAIL SHOWED PSN @ 4738 AND EOT @ 4746'. - PUMP 95 BBLs TREATED WATER DOWN CSG TO ROLL OUT/ KILL/ TREAT H2S - PUMP 95 BBLs TREATED WATER DOWN CSG TO ROLL OUT/ KILL/ TREAT H2S - PUMP 95 BBLs TREATED WATER DOWN CSG TO ROLL OUT/ KILL/ TREAT H2S - OPEN WELL, NDWH, RELEASE PACKER, NU BOP, RU WORKFLOOR, PACKER HAD RELEASED ITSELF AND COMPRESSED TBG THEN RESET, WHEN WE NDWH, THE LAST BOLT HADPUT WELL HEAD ON A BIND AND WE HAD TO FIGHT THE LAST BOLT FREE. WH FLANGE CAME UP HOLE ABOUT 2'. - OPEN WELL, NDWH, RELEASE PACKER, NU BOP, RU WORKFLOOR, PACKER HAD RELEASED ITSELF AND COMPRESSED TBG THEN RESET, WHEN WE NDWH, THE LAST BOLT HADPUT WELL HEAD ON A BIND AND WE HAD TO FIGHT THE LAST BOLT FREE. WH FLANGE CAME UP HOLE ABOUT 2'. - OPEN WELL, NDWH, RELEASE PACKER, NU BOP, RU WORKFLOOR, PACKER HAD RELEASED ITSELF AND COMPRESSED TBG THEN RESET, WHEN WE NDWH, THE LAST BOLT HADPUT WELL HEAD ON A BIND AND WE HAD TO FIGHT THE LAST BOLT FREE. WH FLANGE CAME UP HOLE ABOUT 2'. - POOH WITH 66 JNTS TBG, TALLY OUT. SWIFN, CLEAN LOCATION SDFN - POOH WITH 66 JNTS TBG, TALLY OUT. SWIFN, CLEAN LOCATION SDFN - POOH WITH 66 JNTS TBG, TALLY OUT. SWIFN, CLEAN LOCATION SDFN - TRAVEL TIME - ON STANDBY WAITING FOR HOT OILER TO SHOW UP,LOAD WATER AND THAW OUT CSG VALVES, BOP AND TIW VALVE. OPEN TIW AND HIT 20 PPM H2S, SHUT IN WELL. - ON STANDBY WAITING FOR HOT OILER TO SHOW UP,LOAD WATER AND THAW OUT CSG VALVES, BOP AND TIW VALVE. OPEN TIW AND HIT 20 PPM H2S, SHUT IN WELL. - ON STANDBY WAITING FOR HOT OILER TO SHOW UP,LOAD WATER AND THAW OUT CSG VALVES, BOP AND TIW VALVE. OPEN TIW AND HIT 20 PPM H2S, SHUT IN WELL. - PU/MU PLUG AND PACKER ASSY, TIH WITH 169 JNTS TBG TO SET PLUG @ 5340', LD 2 JNTS TBG AND RAN OUT OF DAY LIGHT. SWIFN, CLEAN LOCATION, SDFN. - PU/MU PLUG AND PACKER ASSY, TIH WITH 169 JNTS TBG TO SET PLUG @ 5340', LD 2 JNTS TBG AND RAN OUT OF DAY LIGHT.

SWIFN, CLEAN LOCATION, SDFN. - PU/MU PLUG AND PACKER ASSY, TIH WITH 169 JNTS TBG TO SET PLUG @ 5340', LD 2 JNTS TBG AND RAN OUT OF DAY LIGHT. SWIFN, CLEAN LOCATION, SDFN. - travel time - rd work floor, on stand by waiting for hot oiler - rd work floor, on stand by waiting for hot oiler - rd work floor, on stand by waiting for hot oiler - HAVE HOT OILER THAW OUT BOPS WELLHEAD AND CASING VALVES AND TIW VALVE - HAVE HOT OILER THAW OUT BOPS WELLHEAD AND CASING VALVES AND TIW VALVE - HAVE HOT OILER THAW OUT BOPS WELLHEAD AND CASING VALVES AND TIW VALVE - BLEED DOWN PRESSURE TBG AND CSG 450 PSI, OPEN BOP'S, NIPPLE DOWN BOP'S, SET PACKER, LAND TUBING IN COMPRESSION, NU WELL HEAD, INSTALL MASTERVALVE, SWI. MASTER VALVE WAS LEAKING SO INSTALLED A SECOND BARRIER ON MASTER VALVE AND CASING VALVES. - BLEED DOWN PRESSURE TBG AND CSG 450 PSI, OPEN BOP'S, NIPPLE DOWN BOP'S, SET PACKER, LAND TUBING IN COMPRESSION, NU WELL HEAD, INSTALL MASTERVALVE, SWI. MASTER VALVE WAS LEAKING SO INSTALLED A SECOND BARRIER ON MASTER VALVE AND CASING VALVES. - BLEED DOWN PRESSURE TBG AND CSG 450 PSI, OPEN BOP'S, NIPPLE DOWN BOP'S, SET PACKER, LAND TUBING IN COMPRESSION, NU WELL HEAD, INSTALL MASTERVALVE, SWI. MASTER VALVE WAS LEAKING SO INSTALLED A SECOND BARRIER ON MASTER VALVE AND CASING VALVES. - RD RIG RACK OUT WINCH TRUCK AND TOOLS CLEAN LOCATION SDFN - RD RIG RACK OUT WINCH TRUCK AND TOOLS CLEAN LOCATION SDFN - ORDERED SCAVENGER TO BE HERE TODAY @ 7 AM, CHEMNEVER SHOWED UP, ON STDBY WAITING FOR CHEM TO SHOW UP. - ORDERED SCAVENGER TO BE HERE TODAY @ 7 AM, CHEMNEVER SHOWED UP, ON STDBY WAITING FOR CHEM TO SHOW UP. - ORDERED SCAVENGER TO BE HERE TODAY @ 7 AM, CHEMNEVER SHOWED UP, ON STDBY WAITING FOR CHEM TO SHOW UP. - PUMP 60 BBLS TREATED WATER DOWN CSG TO TREAT/KILL/ DISPLACE H2S PROBLEM. ROLLED WELL WITH 800PSI AND HOT OILER HAD A HARD TIME GETTING FLUID PUMPED. - PUMP 60 BBLS TREATED WATER DOWN CSG TO TREAT/KILL/ DISPLACE H2S PROBLEM. ROLLED WELL WITH 800PSI AND HOT OILER HAD A HARD TIME GETTING FLUID PUMPED. - PUMP 60 BBLS TREATED WATER DOWN CSG TO TREAT/KILL/ DISPLACE H2S PROBLEM. ROLLED WELL WITH 800PSI AND HOT OILER HAD A HARD TIME GETTING FLUID PUMPED. - FINISH POOH WITH TBG AND PACKER, TALLY OUT. - FINISH POOH WITH TBG AND PACKER, TALLY OUT. - FINISH POOH WITH TBG AND PACKER, TALLY OUT. - TRAVEL TIME - TRAVEL TIME - TRAVEL TIME - PREP TO MOVE TIG TO NEXT WELL - PREP TO MOVE TIG TO NEXT WELL - PREP TO MOVE TIG TO NEXT WELL - ROAD RIG FROM 22-5G-9-16 TO THE 23-5G-9-16 - ROAD RIG FROM 22-5G-9-16 TO THE 23-5G-9-16 - ROAD RIG FROM 22-5G-9-16 TO THE 23-5G-9-16 - SPOT RIG, RU RIG - SPOT RIG, RU RIG - SPOT RIG, RU RIG - SPOT IN WIRELINE, RU WIRELINE, RIH TO SHOOT H.I.T. @ 4795', WIRELINE WAS SHOWING PSN @ 4800'. TBG DETAIL SHOWED PSN @ 4738 AND EOT @ 4746'. - SPOT IN WIRELINE, RU WIRELINE, RIH TO SHOOT H.I.T. @ 4795', WIRELINE WAS SHOWING PSN @ 4800'. TBG DETAIL SHOWED PSN @ 4738 AND EOT @ 4746'. - SPOT IN WIRELINE, RU WIRELINE, RIH TO SHOOT H.I.T. @ 4795', WIRELINE WAS SHOWING PSN @ 4800'. TBG DETAIL SHOWED PSN @ 4738 AND EOT @ 4746'. - PUMP 95 BBLS TREATED WATER DOWN CSG TO ROLL OUT/ KILL/ TREAT H2S - PUMP 95 BBLS TREATED WATER DOWN CSG TO ROLL OUT/ KILL/ TREAT H2S - PUMP 95 BBLS TREATED WATER DOWN CSG TO ROLL OUT/ KILL/ TREAT H2S - OPEN WELL, NDWH, RELEASE PACKER, NU BOP, RU WORKFLOOR, PACKER HAD RELEASED ITSELF AND COMPRESSED TBG THEN RESET, WHEN WE NDWH, THE LAST BOLT HADPUT WELL HEAD ON A BIND AND WE HAD TO FIGHT THE LAST BOLT FREE. WH FLANGE CAME UP HOLE ABOUT 2'. - OPEN WELL, NDWH, RELEASE PACKER, NU BOP, RU WORKFLOOR, PACKER HAD RELEASED ITSELF AND COMPRESSED TBG THEN RESET, WHEN WE NDWH, THE LAST BOLT HADPUT WELL HEAD ON A BIND AND WE HAD TO FIGHT THE LAST BOLT FREE. WH FLANGE CAME UP HOLE ABOUT 2'. - OPEN WELL, NDWH, RELEASE PACKER, NU BOP, RU WORKFLOOR, PACKER HAD RELEASED ITSELF AND COMPRESSED TBG THEN RESET, WHEN WE NDWH, THE LAST BOLT HADPUT WELL HEAD ON A BIND AND WE HAD TO FIGHT THE LAST BOLT FREE. WH FLANGE CAME UP HOLE ABOUT 2'. - POOH WITH 66 JNTS TBG, TALLY OUT. SWIFN, CLEAN LOCATION SDFN - POOH WITH 66 JNTS TBG, TALLY OUT. SWIFN, CLEAN LOCATION SDFN - POOH WITH 66 JNTS TBG, TALLY OUT. SWIFN, CLEAN LOCATION SDFN - TRAVEL TIME - ON STANDBY WAITING FOR HOT OILER TO

SHOW UP,LOAD WATER AND THAW OUT CSG VALVES, BOP AND TIW VALVE. OPEN TIW AND HIT 20 PPM H2S, SHUT IN WELL. - ON STANDBY WAITING FOR HOT OILER TO SHOW UP,LOAD WATER AND THAW OUT CSG VALVES, BOP AND TIW VALVE. OPEN TIW AND HIT 20 PPM H2S, SHUT IN WELL. - ON STANDBY WAITING FOR HOT OILER TO SHOW UP,LOAD WATER AND THAW OUT CSG VALVES, BOP AND TIW VALVE. OPEN TIW AND HIT 20 PPM H2S, SHUT IN WELL. - PU/MU PLUG AND PACKER ASSY, TIH WITH 169 JNTS TBG TO SET PLUG @ 5340', LD 2 JNTS TBG AND RAN OUT OF DAY LIGHT. SWIFN, CLEAN LOCATION, SDFN. - PU/MU PLUG AND PACKER ASSY, TIH WITH 169 JNTS TBG TO SET PLUG @ 5340', LD 2 JNTS TBG AND RAN OUT OF DAY LIGHT. SWIFN, CLEAN LOCATION, SDFN. - PU/MU PLUG AND PACKER ASSY, TIH WITH 169 JNTS TBG TO SET PLUG @ 5340', LD 2 JNTS TBG AND RAN OUT OF DAY LIGHT. SWIFN, CLEAN LOCATION, SDFN. - travel time - rd work floor, on stand by waiting for hot oiler - rd work floor, on stand by waiting for hot oiler - rd work floor, on stand by waiting for hot oiler - HAVE HOT OILER THAW OUT BOPS WELLHEAD AND CASING VALVES AND TIW VALVE - HAVE HOT OILER THAW OUT BOPS WELLHEAD AND CASING VALVES AND TIW VALVE - HAVE HOT OILER THAW OUT BOPS WELLHEAD AND CASING VALVES AND TIW VALVE - BLEED DOWN PRESSURE TBG AND CSG 450 PSI, OPEN BOP'S, NIPPLE DOWN BOP'S, SET PACKER, LAND TUBING IN COMPRESSION, NU WELL HEAD, INSTALL MASTERVALVE, SWI. MASTER VALVE WAS LEAKING SO INSTALLED A SECOND BARRIER ON MASTER VALVE AND CASING VALVES. - BLEED DOWN PRESSURE TBG AND CSG 450 PSI, OPEN BOP'S, NIPPLE DOWN BOP'S, SET PACKER, LAND TUBING IN COMPRESSION, NU WELL HEAD, INSTALL MASTERVALVE, SWI. MASTER VALVE WAS LEAKING SO INSTALLED A SECOND BARRIER ON MASTER VALVE AND CASING VALVES. - BLEED DOWN PRESSURE TBG AND CSG 450 PSI, OPEN BOP'S, NIPPLE DOWN BOP'S, SET PACKER, LAND TUBING IN COMPRESSION, NU WELL HEAD, INSTALL MASTERVALVE, SWI. MASTER VALVE WAS LEAKING SO INSTALLED A SECOND BARRIER ON MASTER VALVE AND CASING VALVES. - RD RIG RACK OUT WINCH TRUCK AND TOOLS CLEAN LOCATION SDFN - RD RIG RACK OUT WINCH TRUCK AND TOOLS CLEAN LOCATION SDFN - RD RIG RACK OUT WINCH TRUCK AND TOOLS CLEAN LOCATION SDFN - TRAVEL TIME

**Daily Cost:** \$0

**Cumulative Cost:** \$9,659

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**1/14/2014 Day: 4**

**Tubing Leak**

Nabors #1108 on 1/14/2014 - Road Rig, On StandBy waiting for shed to be removed. Help remove shed and dig pit. RU flow back lines. - Travel Time - DO PRE TRIP INSPECTIONS AND WAIT FOR SUN TO COME UP. - ROAD RIG FROM THE 22-5G-9-16 TO THE 23-5G-9-16. - ON STANDBY WAITING FOR SHED TO BE REMOVED FROM OVER TOP THE W.H. AND A PIT TO BE DUG. - HELP ROUSTABOUT REMOVE SHED AND DIG PIT FOR FLOW BACK. RU FLOW BACK LINES TO TANK FROM CSG AND FLOW BACK 350 BBLS WATER. BY END OF DAY. - SPOT RIG, AND WAIT ON STANDBY FOR WIND TO DIE DOWN ENOUGH TO RU RIG, WIND NEVER DIED DOWN ENOUGH TO RU RIG.CLEAN LOCATION, SWIFN, SDFN. - Travel Time - Travel Time - DO PRE TRIP INSPECTIONS AND WAIT FOR SUN TO COME UP. - ROAD RIG FROM THE 22-5G-9-16 TO THE 23-5G-9-16. - ON STANDBY WAITING FOR SHED TO BE REMOVED FROM OVER TOP THE W.H. AND A PIT TO BE DUG. - HELP ROUSTABOUT REMOVE SHED AND DIG PIT FOR FLOW BACK. RU FLOW BACK LINES TO TANK FROM CSG AND FLOW BACK 350 BBLS WATER. BY END OF DAY. - SPOT RIG, AND WAIT ON STANDBY FOR WIND TO DIE DOWN ENOUGH TO RU RIG, WIND NEVER DIED DOWN ENOUGH TO RU RIG.CLEAN LOCATION, SWIFN, SDFN. -

Travel Time **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$26,875

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**1/15/2014 Day: 5**

**Tubing Leak**

Nabors #1108 on 1/15/2014 - RU RIG. ND WH, RELEASE PKR NU BOP RU WORK FLOOR.

POOH TBG PLUG PKR. - SWIFN, CLEAN LOCATION, SDFN. - Travel Time - Travel Time - WAIT FOR SUN TO COME OUT, RU HOT OILER LINES AND START FLOWING BACK WELL. - RU RIG - RU WATER TRUCK AND FLOW BACK TBG. - ND WH, RELEASE PACKER, NU BOP, RU WORK FLOOR. - PU 2 JNTS TBG AND WAIT FOR TOOL HAND TO SHOW UP TO RELEASE PLUG. - RELEASE PLUG AND LD 16 JNTS EXCESS TBG. - POOH WITH 153 JNTS TBG, PLUG AND PACKER. LD TOOLS. - PU/MU PACKER ASSY AND TIH WITH 153 JNTS TBG. - DROP S.V. AND PUMP 80 BBLS WATER, NEVER CAUGHT PRESSURE AND RAN OUT OF DAY LIGHT TO TRY AND TAG WITH SANDLINE. - SWIFN, CLEAN LOCATION, SDFN. - Travel Time - Travel Time - WAIT FOR SUN TO COME OUT, RU HOT OILER LINES AND START FLOWING BACK WELL. - RU RIG - RU WATER TRUCK AND FLOW BACK TBG. - ND WH, RELEASE PACKER, NU BOP, RU WORK FLOOR. - PU 2 JNTS TBG AND WAIT FOR TOOL HAND TO SHOW UP TO RELEASE PLUG. - RELEASE PLUG AND LD 16 JNTS EXCESS TBG. - POOH WITH 153 JNTS TBG, PLUG AND PACKER. LD TOOLS. - PU/MU PACKER ASSY AND TIH WITH 153 JNTS TBG. - DROP S.V. AND PUMP 80 BBLS WATER, NEVER CAUGHT PRESSURE AND RAN OUT OF DAY LIGHT TO TRY AND TAG WITH SANDLINE. **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$34,784

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**1/16/2014 Day: 6**

**Tubing Leak**

Nabors #1108 on 1/16/2014 - RU HOT OILER, FLUSH TBG WITH 30 BBLS WATER @ 250 F PUMP TBG UP TO 3000 PSI, START TIMER AND TEST TBG FOR 30 MIN, BLED DOWN AND HAD TO BUMP UP NUMEROUS TIMES TO GET A GOOD TEST - Travel Time - RU SANDLINE AND RIH 400' TO TAG ON WAX COULDN'T GET ANY DEEPER,POOH WITH SANDLINE AND RU FISHING TOOLS, RIH TO CATCH S.V. POOH WITH SANDLINE AND HANG BACK TOOLS. - RD WORK FLOOR, ND BOP, LAND TBG ON WH, NU WH, SWIFN, CLEAN LOCATION, SDFN. - RU SANDLINE AND FISHING TOOLS, RIH TO CATCH S.V. POOH WITH SANDLINE AND RD TOOLS. - PUMP TBG UP TO 3000 PSI, START TIMER AND TEST TBG FOR 30 MIN, BLED DOWN AND HAD TO BUMP UP NUMEROUS TIMES TO GET A GOOD TEST, FINALLY GOT A GOOD TEST ON TBG. - PUMP S.V. TO PSN - RU HOT OILER, FLUSH TBG WITH 30 BBLS WATER @ 250 F, FOLLOWED BY 30 BBLS @ 80 F. DROP S.V. - RU SANDLINE AND RIH 400' TO TAG ON WAX COULDN'T GET ANY DEEPER,POOH WITH SANDLINE AND RU FISHING TOOLS, RIH TO CATCH S.V. POOH WITH SANDLINE AND HANG BACK TOOLS. - Travel Time - Travel Time - RD WORK FLOOR, ND BOP, LAND TBG ON WH, NU WH, SWIFN, CLEAN LOCATION, SDFN. - RU SANDLINE AND FISHING TOOLS, RIH TO CATCH S.V. POOH WITH SANDLINE AND RD TOOLS. - PUMP TBG UP TO 3000 PSI, START TIMER AND TEST TBG FOR 30 MIN, BLED DOWN AND HAD TO BUMP UP NUMEROUS TIMES TO GET A GOOD TEST, FINALLY GOT A GOOD TEST ON TBG. - PUMP S.V. TO PSN - RU HOT OILER, FLUSH TBG WITH 30 BBLS WATER @ 250 F, FOLLOWED BY 30 BBLS @ 80 F. DROP S.V. - Travel Time **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$42,584

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**1/17/2014 Day: 7**

**Tubing Leak**

Nabors #1108 on 1/17/2014 - TRY TO SET PACKER, WOULD NOT SET. PULLED UP HOLE 1 JNT AND TRIED AGAIN, STILL UNSUCCESSFUL IN PROPER SETTING.LOAD HOT OILER AND MIX PACKER FLUID, PUMP 60 BBLS PACKER FLUID DOWN CSG.SET PACKER - PUMP UP CSG TO 1500 PSI, START PRESSURE TESTING CSG, HAD TO BUMP UP AND RETEST, FAILED ALL TESTS TODAY, BUMP UP AND LEAVE PRESSURE ON IT FOR THE NIGHT.SWIFN, CLEAN LOCATION, SDFN. - travel Time - Travel Time - ND WH, SET PACKER, LAND TBG IN 15K TENSION, NU WH. - PUMP 70 BBLS PACKER FLUID DOWN CSG - TRY TO SET PACKER, WOULD NOT SET. PULLED UP HOLE 1 JNT AND TRIED AGAIN, STILL UNSUCCESSFUL IN PROPER SETTING. - LAND TBG, NU WH. PUMP 60 BBLS WATER DOWN CSG @ 250 F - ON STANDBY WAITING FOR FRESH WATER TO SHOW UP. - LOAD HOT OILER AND MIX PACKER FLUID,

PUMP 60 BBLS PACKER FLUID DOWN CSG. - ND WH, SET PACKER, LAND TBG IN 15K TENSION, NU WH. - PUMP UP CSG TO 1500 PSI, START PRESSURE TESTING CSG, HAD TO BUMP UP AND RETEST, FAILED ALL TESTS TODAY, BUMP UP AND LEAVE PRESSURE ON IT FOR THE NIGHT. SWIFN, CLEAN LOCATION, SDFN. - travel Time - Travel Time - LOAD HOT OILER AND MIX PACKER FLUID. - PUMP 70 BBLS PACKER FLUID DOWN CSG - TRY TO SET PACKER, WOULD NOT SET. PULLED UP HOLE 1 JNT AND TRIED AGAIN, STILL UNSUCCESSFUL IN PROPER SETTING. - LAND TBG, NU WH. PUMP 60 BBLS WATER DOWN CSG @ 250 F - LOAD HOT OILER AND MIX PACKER FLUID. - LOAD HOT OILER AND MIX PACKER FLUID, PUMP 60 BBLS PACKER FLUID DOWN CSG. - ON STANDBY WAITING FOR FRESH WATER TO SHOW UP. **Finalized**  
**Daily Cost:** \$0  
**Cumulative Cost:** \$50,151

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**1/27/2014 Day: 9**

**Tubing Leak**

Nabors #1108 on 1/27/2014 - Conduct MIT - On 01/21/2014 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 01/21/2014 the csg was pressured up to 1430 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 950 psig during the test. There was not a State representative available to witness the test. - PREP RIG & R/D, CLEAN UP EQUIP & LOCATION - PREP RIG & R/D, CLEAN UP EQUIP & LOCATION - H/O THAW OUT WELLHEAD, CSNG WAS AT 1200 PSI, PUMP TO 1500, BLED OFF 15 LBS IN 30 MIN TEST, PUMP TO 1500, LOST 8 LBS IN 30 MIN TEST. PUMP TO 1500 GOOD 30 MIN TEST - H/O THAW OUT WELLHEAD, CSNG WAS AT 1200 PSI, PUMP TO 1500, BLED OFF 15 LBS IN 30 MIN TEST, PUMP TO 1500, LOST 8 LBS IN 30 MIN TEST. PUMP TO 1500 GOOD 30 MIN TEST - CREW TRAVEL, FUEL & START EQUIP, JSA, JSP, GO-CARD, SAFETY MEETING - CREW TRAVEL, FUEL & START EQUIP, JSA, JSP, GO-CARD, SAFETY MEETING - On 01/21/2014 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 01/21/2014 the csg was pressured up to 1430 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 950 psig during the test. There was not a State representative available to witness the test. - On 01/21/2014 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 01/21/2014 the csg was pressured up to 1430 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 950 psig during the test. There was not a State representative available to witness the test. - PREP RIG & R/D, CLEAN UP EQUIP & LOCATION - PREP RIG & R/D, CLEAN UP EQUIP & LOCATION - H/O THAW OUT WELLHEAD, CSNG WAS AT 1200 PSI, PUMP TO 1500, BLED OFF 15 LBS IN 30 MIN TEST, PUMP TO 1500, LOST 8 LBS IN 30 MIN TEST. PUMP TO 1500 GOOD 30 MIN TEST - H/O THAW OUT WELLHEAD, CSNG WAS AT 1200 PSI, PUMP TO 1500, BLED OFF 15 LBS IN 30 MIN TEST, PUMP TO 1500, LOST 8 LBS IN 30 MIN TEST. PUMP TO 1500 GOOD 30 MIN TEST - CREW TRAVEL, FUEL & START EQUIP, JSA, JSP, GO-CARD, SAFETY MEETING - CREW TRAVEL, FUEL & START EQUIP, JSA, JSP, GO-CARD, SAFETY MEETING - On 01/21/2014 Chris Jensen with the State of Utah was contacted concerning the MIT on the above listed well. On 01/21/2014 the csg was pressured up to 1430 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 950 psig during the test. There was not a State representative available to witness the test. **Finalized**  
**Daily Cost:** \$0  
**Cumulative Cost:** \$54,353

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

Spud Date: 7/18/88  
 Put on Production: 9/11/88  
 GL: 5821' KB: 5836'

# Federal 23-5G-9-16

Initial Production: 116 BOPD, 0 MCFD  
 64 BWPD

### SURFACE CASING

CSG SIZE: 9-5/8"  
 GRADE: L-80  
 WEIGHT: 53.5#  
 LENGTH: 7 JTS  
 DEPTH LANDED: 300'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 165 skx Class "G" cmt, est ? bbls to surface

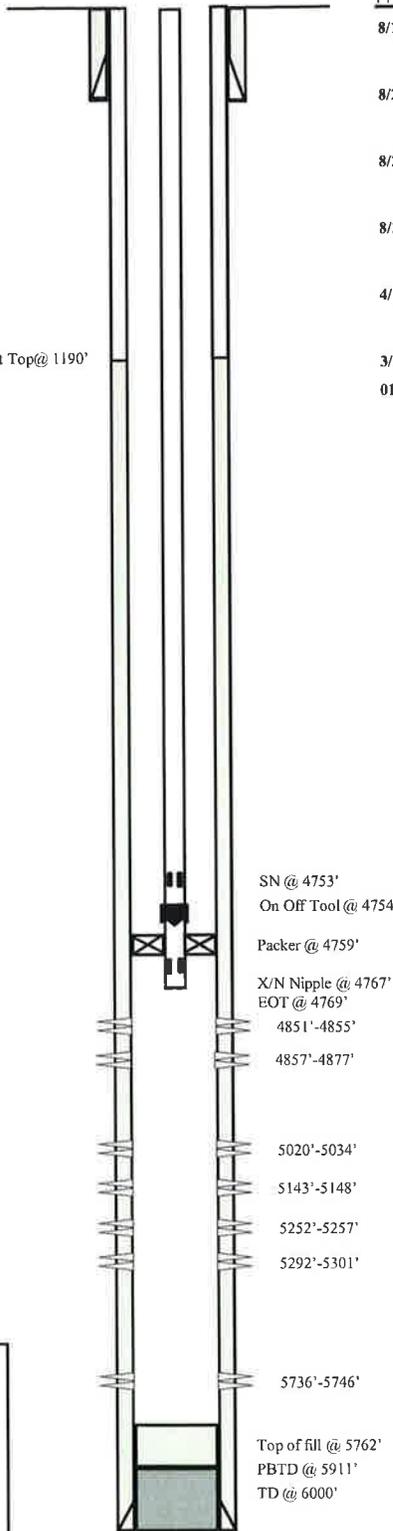
### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 17#  
 LENGTH: 151 jts  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 195 sks Class "G" & 445 sks Class "G"  
 CEMENT TOP AT: 1190'  
 SET AT: 6000'

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 153 jts (4737.9')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4752.9' KB  
 ON/OFF TOOL AT: 4754'  
 ARROW #1 PACKER CE AT: 4759'  
 XO 2-3/8 x 2-7/8 J-55 AT: 4762.7'  
 TBG PUP 2-3/8 J-55 AT: 4763.2'  
 X/N NIPPLE AT: 4767.3'  
 TOTAL STRING LENGTH: EOT @ 4768.98'

### Injection Wellbore Diagram



### FRAC JOB

8/18/90	5736'-5746'	961 bbls, 102,000# 20/40 sand. ISIP-2010 psi, 5 min 1836 psi. Avg rate of 40 BPM @ 1900 psi.
8/20/90	5292'-5301'	564 bbls, 54,000# 20/40 sand. ISIP-1950 psi, 5 min 1525 psi. Avg rate of 30 BPM @ 2050 psi.
8/22/90	5020'-5034'	890 bbls, 92,000# 20/40 sand. ISIP-2560 psi, 5 min 1708 psi. Avg rate of 35 BPM @ 2148 psi.
8/24/90	4851'-4877'	1453 bbls, 136,000# 20/40 sand. ISIP-2078 psi, 5 min 1817 psi. Avg rate of 45 BPM @ 2000 psi.
4/15/02	5143'-5257'	Broke B2 & A5 zones w/ 2.6 bbl acid & 34 bbl water. Treat @ 1.25 BPM @ 900 psi.
3/23/07		5 Year MIT completed and submitted.
01/21/14		Workover MIT Completed - Tbg Leak - update tbg detail

### PERFORATION RECORD

8/17/90	5736'-5746'	4 JSPF	40 holes
8/19/90	5292'-5301'	4 JSPF	36 holes
8/21/90	5020'-5034'	4 JSPF	56 holes
8/23/90	4851'-4877'	4 JSPF	104 holes
4/15/02	5252'-5257'	4 JSPF	20 holes
4/15/02	5143'-5148'	4 JSPF	20 holes



**Federal 23-5G-9-16**  
 2134 FWL & 1592 FSL  
 NESW Section 5-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31207; Lease #U-30096