

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS X WATER SANDS LOCATION INSPECTED SUB REPORT/abd
 941207 Open Name Change fr P64E to DALEN eff 10-1-89

DATE FILED 8-07-89

LAND FEE & PATENTED STATE LEASE NO PUBLIC LEASE NO U-49092 INDIAN

DRILLING APPROVED 8-10-89

SPUDED IN 9-5-89

COMPLETED 11-7-89 POW PUT TO PRODUCING 11-10-89

INITIAL PRODUCTION 240 BOPD, 126 MCF

GRAVITY API 33

GOR:

PRODUCING ZONES 4978-98, 5136-44, 5080-88, 5400-25, 5427-5434, 5438-40, 5446-5705 GRRV

TOTAL DEPTH 6501

WELL ELEVATION 5686 KB

DATE ABANDONED:

FIELD: MONUMENT BUTTE

UNIT:

COUNTY: DUCHESNE

WELL NO: FEDERAL 43-33-B API NO. 43-013-31240

LOCATION 1837' FSL FT FROM (N) (S) LINE. 590' FEL FT. FROM (E) (W) LINE NESE 1/4 - 1/4 SEC. 33

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
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8S	16E	33	DALEN RESOURCES Oil & Gas
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QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgait Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
	Dakota	Park City	McCracken
Douglas Li 4978	Burro Canyon	Rico (Goodridge)	Aneth
5132	Cedar Mountain	Supai	Simonson Dolomite
Yorlu Douglas 5280	Buckhorn	Wolfcamp	Sevy Dolomite
Ed 5450 - Ed 5595	JURASSIC	CARBON I FEROUS	North Point
Wasatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

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
 PG&E Resources Company

3. ADDRESS OF OPERATOR
 2001 Bryan Tower, Suite 953, Dallas,

4. LOCATION OF WELL (Report location clearly and in accordance with the State Land Department's instructions)
 At surface
 590' FEL, 1837' FSL NE/SE
 At proposed prod. zone

RECEIVED
AUG 07 1989

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 DIVISION OF OIL, GAS & MINING

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
 320 Douglas Creek

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

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

19. PROPOSED DEPTH
 Green River 6500'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5671' GR

22. APPROX. DATE WORK WILL START*
 August, 1989

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

Original & 2 Copies: BLM-Vernal District; 2 Copies: Div. Oil, Gas & Mining-SLC

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

24. SIGNED Michael L. McMican by C.M. Address TITLE Petroleum Engineer DATE July 27, 1989
 Michael L. McMican

(This space for Federal or State office use)

PERMIT NO. 43-013-31240 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE: 8-10-89

CONDITIONS OF APPROVAL, IF ANY: _____ BY: John R. Bays
 WELL SPACING: R615-3-2

*See Instructions On Reverse Side

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

4. Casing Program and Auxiliary Equipment:

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

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

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

5. Mud Program and Circulating Medium:

<u>Interval</u>	<u>Mud Weight</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 lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

6. Testing, Coring, Sampling and Logging:

- a. Testing: As warranted.
- b. Coring: None.
- c. Sampling: 10' intervals 3500' to TD.
- d. Logging:

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

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

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

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

8. Anticipated Starting Dates and Notifications of Operations:

Location construction: August, 1989
Spud Date: August, 1989

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

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

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences will 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, will 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 will 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 will 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 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 will 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.

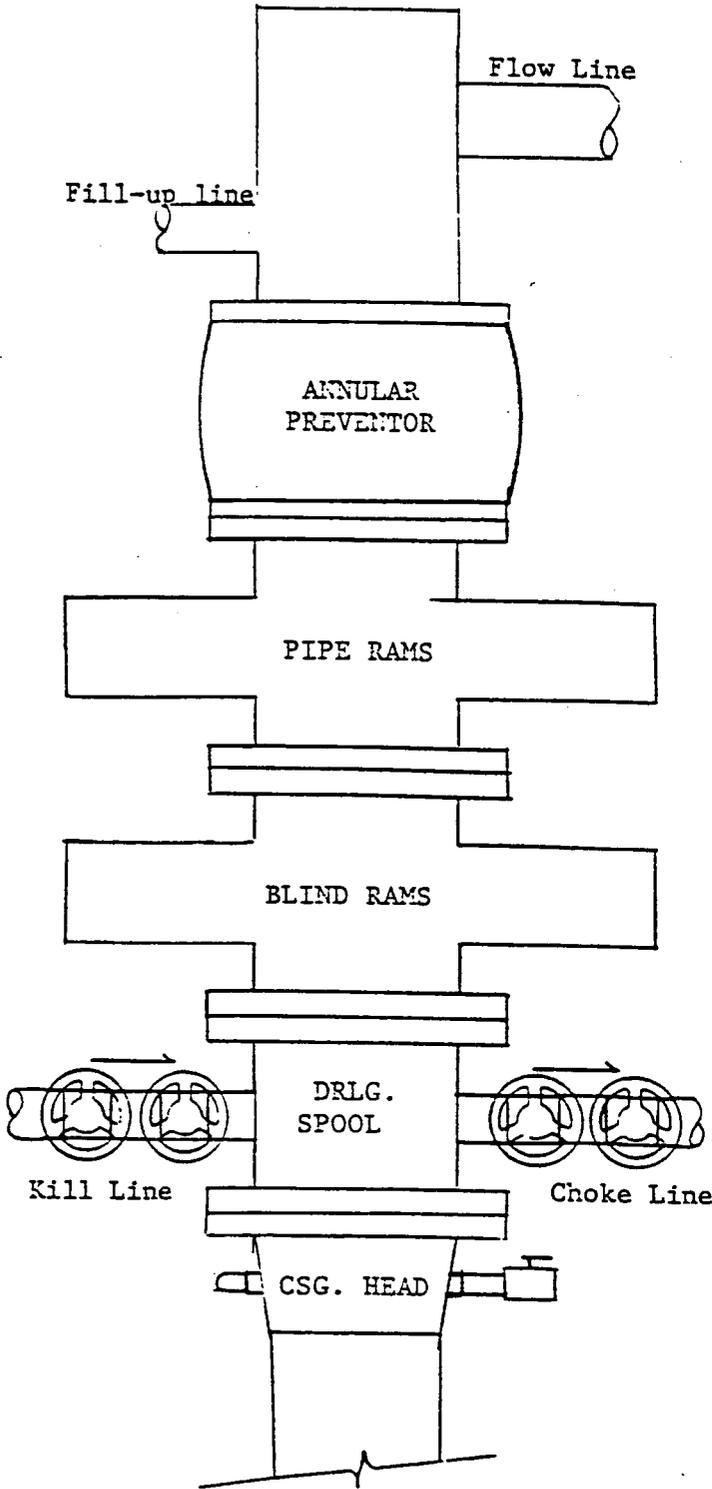
Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a 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 will 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 will 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)).

PG&E RESOURCES COMPANY

BOP and Pressure Containment Data
#43-33-B Federal
NE/SE Sec. 33, T8S, R16E
Duchesne County, Utah



1. BOP equipment will consist of a double gate, hydraulically operated preventor with pipe & blind rams or two single ram type preventors, one equipped w/ pipe rams, the other w/blind rams. BOP system will be consistent w/API RP 53.
2. BOP's will 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 will be tested to 2500# for 15 minutes. The BOP's will be tested at the time of installation and every 30 days thereafter. BOP's will be mechanically checked daily.
5. Modification of hook-up or testing procedure will be approved in writing on tour reports by wellsite representative.

Surface Use Plan

PG&E Resources Company

#43-33-B Federal

Sec. 33, T8S, R16E, S.L.B.& M.

Duchesne County, Utah

Onsite Date

7/13/89

SURFACE USE PLAN - #43-33-B

1. Existing Roads:

See attached topographic map "A".

To reach the NGC #43-33-B Federal located in Section 33, T8S, R16E, S.L.B.& M., Duchesne County, Utah:

Travel southwesterly from Myton, Utah on Highway 40 for 1.5 miles. Turn south on State Highway 53 for two miles to County Road 216. Follow County Road 216 for 4.5 miles to the BLM cattleguard. Turn right and proceed 3.9 miles. Turn right for 1000' 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 - 1000'.
- B. Width - 30 foot right-of-way with 18 foot running surface maximum.
- C. Maximum grades - 4%.
- D. Turnouts - One at entrance to location.
- E. Drainage design - Borrow ditches.
- F. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - Fill head wash at entrance to location.
- G. Surfacing materials (source) - Native materials from location and access road and if additional required, from commercial source.
- 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 will be constructed to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction will include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings will be of typical dry creek drainage crossing type. Crossings will be designed so

they will not cause siltation or accumulation of debris in the drainage crossing nor will the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water will be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided.

3. Location of Existing Wells:

See attached Map "C".

4. Location of Tank Batteries and Production Facilities::

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

The tank battery constructed on this lease 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 will be maintained.

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

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

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

All off-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' 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. A 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 this source is 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 commercial source.

7. Methods of Handling Waste Disposal:

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

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

The reserve pit will be lined due to proximity of location to Wells Draw. It shall be constructed so as not to leak, break, or allow discharge. A plastic nylon reinforced liner will be used. It will be torn and perforated before backfilling the reserve pit. The liner will be at least 10 mil in thickness with sufficient bedding of straw to avoid punctures. The liner will overlap the pit walls and the edges covered with dirt or rocks to hold the liner in place.

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 will not 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 will 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 will be submitted to the AO for approval.

The reserve pit will be located on the southeast side of the location between points A and D. The stockpiled topsoil will be stored on the west end of the pit between D & six. Access to the well pad will be from the west between points seven and eight.

Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

10. Plans for Restoration of Surface:

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

Before any dirt work to restore the location takes place, the reserve pit will 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 will be suspended and the discovery reported promptly to the Surface Management Agency.

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

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

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

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

The flare pit will be located a minimum of 30' from the reserve pit fence and 100' from the borehole on the downwind side of the location near Point C. All fluids will be removed from the pit within 48 hours of occurrence.

13. Lessee's or Operators Representative and Certification Representative

Name: Michael L. McMican
Address: 2001 Bryan Tower, Suite 953
Dallas, TX 75201
Phone No.: 214-742-2396

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

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

Certification:

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

July 27, 1989
Date

Michael L. McMican by E.M. Heddlow
Michael L. McMican, Petroleum Engineer

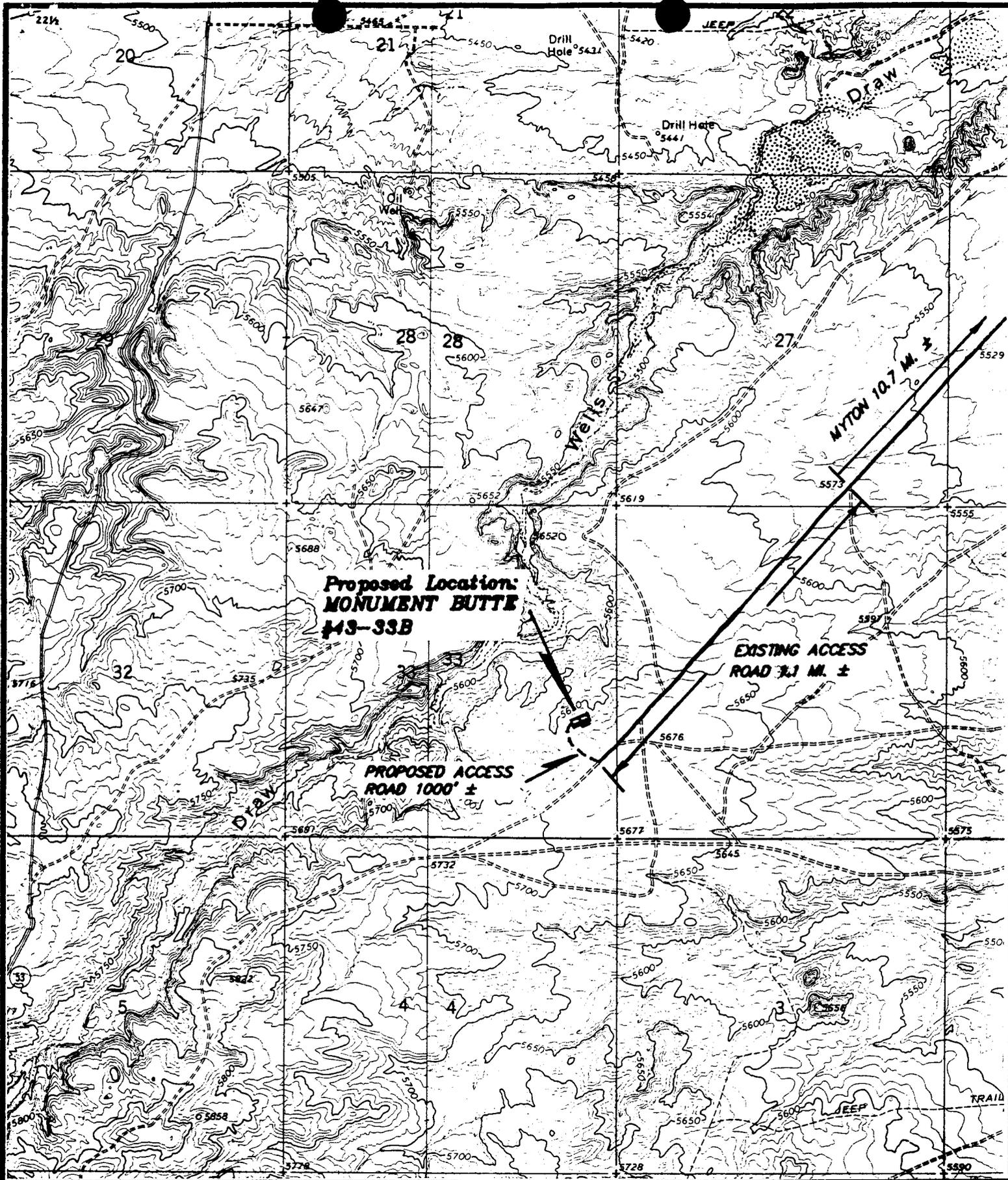
Onsite Date: 7-13-89

Participants on Joint Inspection:

Bill Ryan - PG&E Resources Company
Ralph Brown - BLM

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

"Please be advised that PG&E Resources Co. is considered to be the operator of Well No. 43-33-B; NE 1/4 SE 1/4 Section 33, Township 8S, Range 16E; Lease U-49092; Duchesne County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Pacific Indemnity Co..
Bond I.D. #8101-04-97

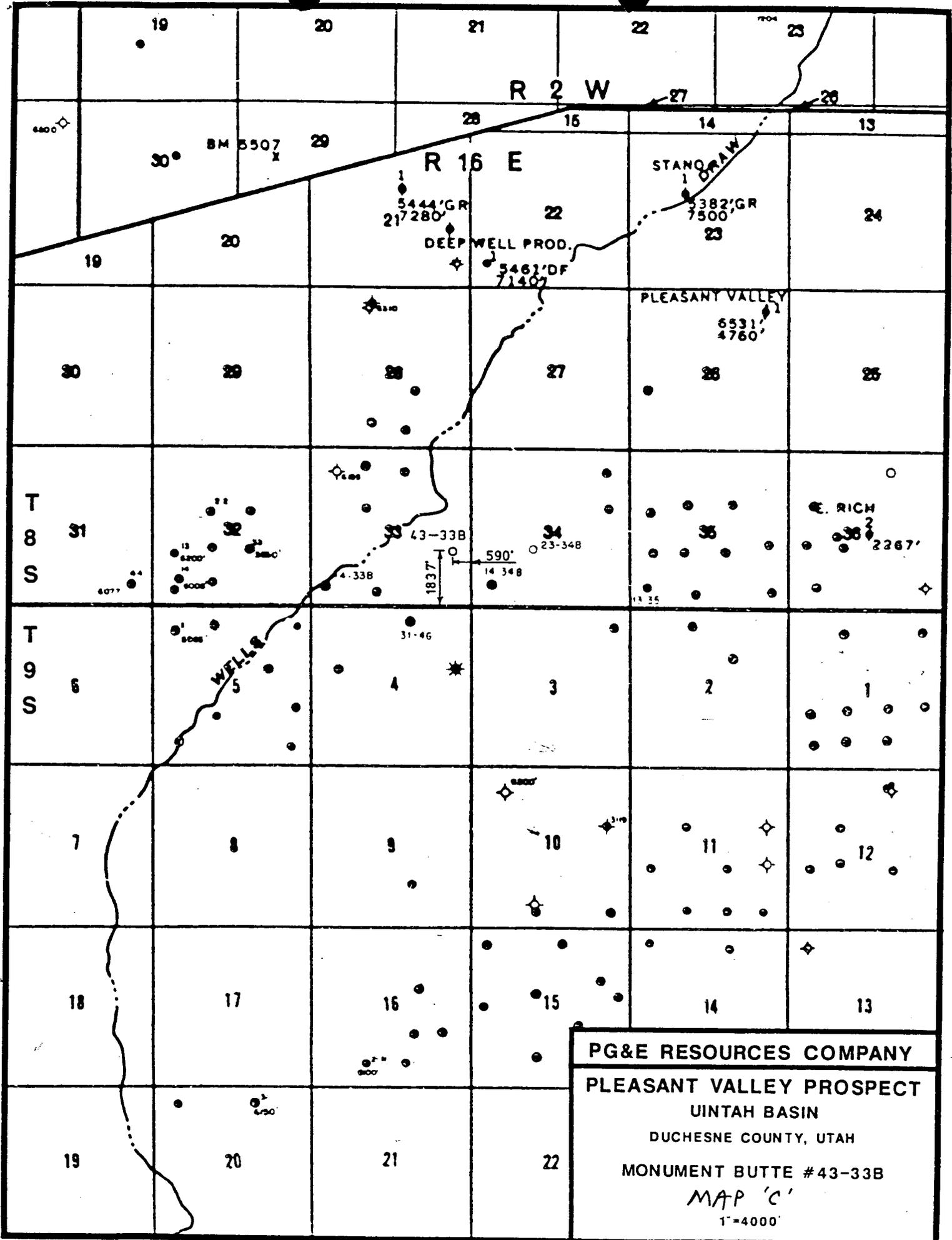


TOPOGRAPHIC
MAP "B"

SCALE: 1" = 2000'



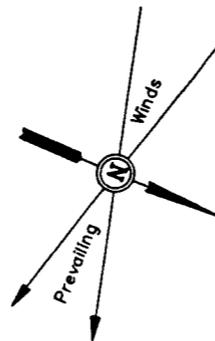
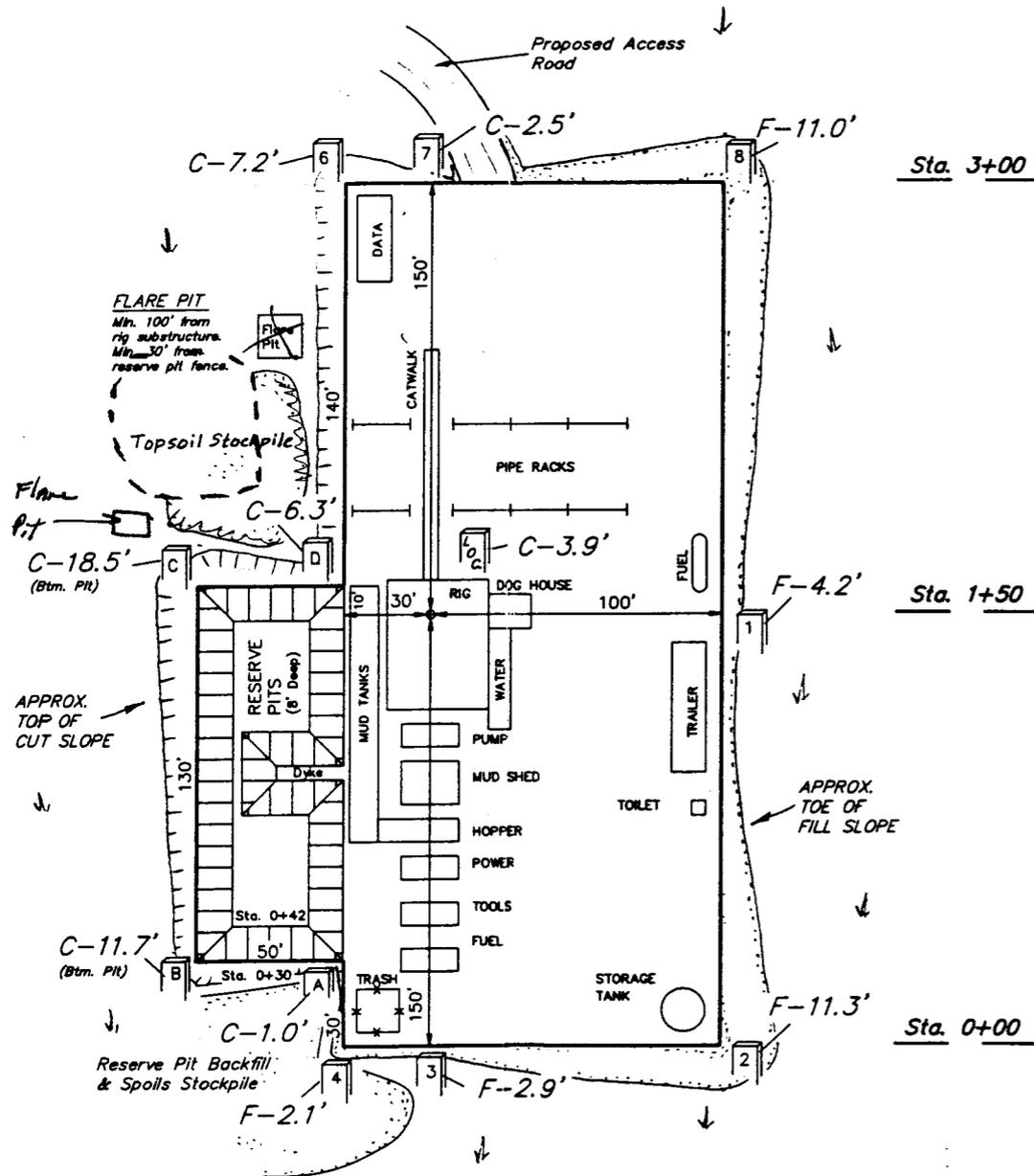
N.G.C. ENERGY COMPANY
MONUMENT BUTTE #43-33B
SECTION 33, T8S, R16E, S.L.B.&M.



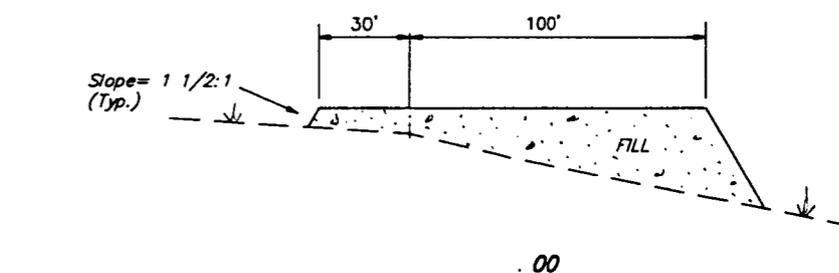
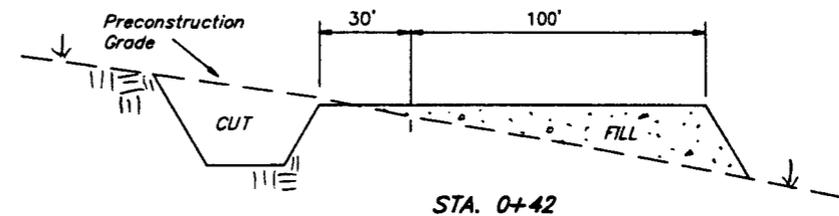
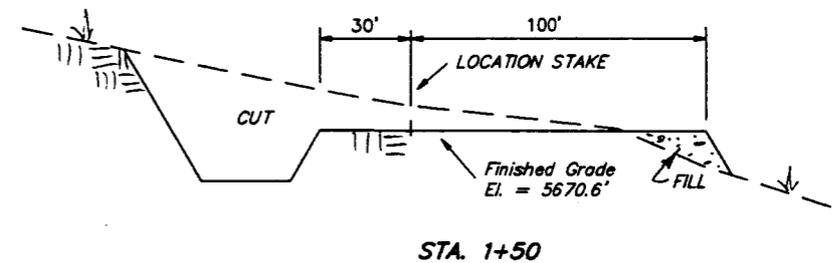
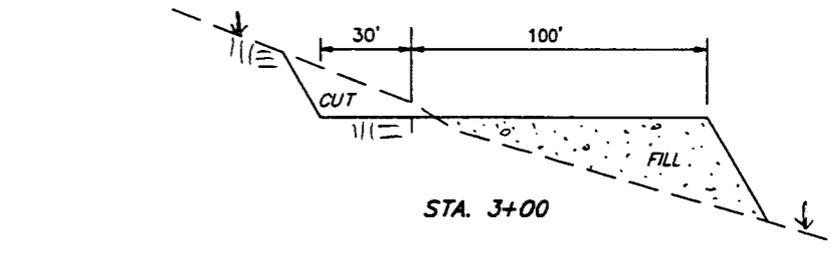
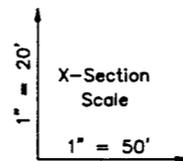
NGC ENERGY CO.

LOCATION LAYOUT FOR

**MONUMENT BUTTE #43-33B
SECTION 33, T8S, R16E, S.L.B.#4M.**



SCALE: 1" = 50'
DATE: 7-6-89



TYP. CROSS SECTION LAYOUT

APPROXIMATE YARDAGES

CUT		EXCESS MATERIAL AFTER 5% COMPACTION	
(6") Topsoil Stripping	= 843 Cu. Yds.	Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,449 Cu. Yds.
Pit Volume (Below Grade)	= 1,212 Cu. Yds.	EXCESS UNBALANCE (After Rehabilitation)	= 6 Cu. Yds.
Remaining Location	= 3,772 Cu. Yds.		
TOTAL CUT	= 5,827 CU.YDS.		
FILL	= 4,153 CU.YDS.		

Elev. Ungraded Ground at Location Stake = 5674.5'

Elev. Graded Ground at Location Stake = 5670.6'

OPERATOR PGE Resources Co. (N0595) DATE 8-9-89

WELL NAME Federal 43-33-B

SEC NESE 33 T 8S R 16E COUNTY Duchesne

43-013-31240
API NUMBER

Federal
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD (S)

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920'
Need water permit

APPROVAL LETTER:

SPACING: R615-2-3

N/A
UNIT

R615-3-2

N/A
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1. Water permit



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

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

August 10, 1989

PG&E Resources Company
2001 Bryan Tower, Suite 953
Dallas, Texas 75201

Gentlemen:

Re: Federal 43-33-B - NE SE Sec. 33, T. 8S, R. 16E - Duchesne County, Utah
1837' FSL, 590' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

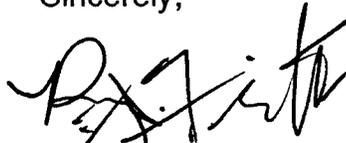
In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31240.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

lcr
Enclosures
cc: Bureau of Land Management
D. R. Nielson
J. L. Thompson
WE14/1-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

LEASE DESIGNATION AND SERIAL NO.
4-49092
INDIAN, ALLOTTEE OR TRIBE NAME

RECEIVED
AUG 2 1989

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
 PG&E Resources Company

3. ADDRESS OF OPERATOR
 2001 Bryan Tower, Suite 953, Dallas, TX 75201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 590' FEL, 1837' FSL NE/SE
 At proposed prod. zone

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 43-33-B

10. FIELD AND POOL, OR WILDCAT
 Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 33, T8S, R16E

12. COUNTY OR PARISH
 Duchesne

13. STATE
 Utah

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

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

16. NO. OF ACRES IN LEASE
 320

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

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

19. PROPOSED DEPTH
 Green River 6500'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5671' GR

22. APPROX. DATE WORK WILL START*
 August, 1989

23. PROPOSED CASING AND CEMENTING PROGRAM

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

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

*ask for 1-800-336-6991
Stan Goodrich*

1234567890
AUG 1989
RECEIVED

Original & 2 Copies: BLM-Vernal District; 2 Copies: Div. Oil, Gas & Mining-SLC

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

24. SIGNED Michael L. McMican by C.M. Hadden TITLE Petroleum Engineer DATE July 27, 1989
 Michael L. McMican

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY David E. Fenner TITLE Acting ASSISTANT DISTRICT MANAGER MINERALS DATE Aug 18, 1989
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

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

Ut 05091134

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company P G & E Resources Well No. Federal 43-33-B
Location NESE Sec. 33 T8S R16E Lease No. U-49092

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 Tim Ingwell 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

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc. and individual components shall be operable as designed.

The Vernal District Office shall be notified, with sufficient lead time, in order to have a BLM representative present while pressure testing.

3. Casing Program and Auxiliary Equipment

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

* Surface casing shall have centralizers on every fourth joint of casing starting with the shoe joint and up to the bottom of the cellar.

* Usable water may be encountered at depths of +290-730 ft. and +1510-1772 ft. in the Uinta Formation and from +2600-2950 ft. and +4944-5420 ft. in the Green River formation. The Mahogany oil shale and L1 oil shale have been identified from +3032-3087 ft. and +3193-3251 ft., respectively. Therefore, the resources will be isolated and/or protected via the cementing program for the production casing by having a cement top for the production casing at least 200 ft. above the oil shale. Also, if gilsonite is encountered while drilling, it needs to be isolated and protected.

4. Coring, Logging and Testing Program

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

All Drill Stem tests (DST) shall be accomplished during daylight hours. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) for the intermediate and production casing.

5. Notifications of Operations

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

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

All site security regulations as specified in Onshore Oil and Gas Order No. 3 will be adhered to.

6. Other Information

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

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

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

Ed Forsman (801) 789-7077
Petroleum Engineer

Revised October 1, 1985

Date NOS Received 7/3/89

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator NGC Energy Company
Well Name & Number Federal #43-33- B
Lease Number U-49020
Location NE 1/4 SE 1/4 Sec. 33 T.8S R.16E
Surface Ownership _____

1. Plans for Restoration of Surface

Compacted areas of the well pad should be plowed or ripped to a depth of 12" before reseeding.

2. Other Additional Information

NGC will construct a catchment dam and basin at the location flagged and shown to Mr. Haddleson on 7/27/89. The purpose of the structure will be to retain silt and storm waters that run off of the access road and well pad.

RECEIVED
SEP 08 1989

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

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number Monument Butte #43-33-B

Operator PG&E Resources Company

Address 85 South 200 East, Vernal, UT 84078

Contractor Leon Ross Drilling

Address Hancock Cove, Roosevelt, UT

Location NE 1/4, SE 1/4, Sec. 33, T. 8S ~~N.~~, R. 16 E., Duchesne County.
S. W.

Water Sands:

	<u>Depth:</u>			<u>Volume:</u>			<u>Quality:</u>	
	From -	To -		Flow Rate or Head -	Fresh or Salty -			
1.	225'	to 250'	Hole became damp and would not clean with air - no fluid entry.					
2.								
3.								
4.								
5.								

(Continue on Reverse Side if Necessary)

Formation Tops:

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

OPERATOR PG&E Resources Company

OPERATOR ACCT. NO. N 0595

ENTITY ACTION FORM - FORM 6

ADDRESS 85 South 200 East

Vernal, UT 84078

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11007	4301331240	Federal 43-33-B	NE/SE	33	8S	16E	Duchesne	9/5/89	9/5/89
WELL 1 COMMENTS: <i>Federal-lease Proposed Zone - Douglas Creek</i> <i>Field-Monument Butte (Will have its own tank battery, assign new entity 11007 on 9-12-89.)</i> <i>Unit- N/A fcr</i>											
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)

RECEIVED
SEP 08 1989

DIVISION OF
OIL, GAS & MINING

Connie Mobley
Signature
Production Clerk 9/6/89
Title Date

Phone No. (801) 789-4573

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-49092

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
SEP 08 1989
DIVISION OF
OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER

UNIT AGREEMENT NAME

2. NAME OF OPERATOR
PG&E Resources Company

8. FARM OR LEASE NAME

Federal

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

9. WELL NO.

43-33-B

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

10. FIELD AND POOL, OR WILDCAT

Monument Butte

590' FEL, 1837' FSL NE/SE

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

Sec. 33, T8S, R16E

14. PERMIT NO.
43-013-31240

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5671' 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:

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

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

Spud Date

X

SUBSEQUENT REPORT OF:

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

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

Operator reports the subject well was spud Sept. 5, 1989 at 8 a.m. by Leon Ross Drilling (dryhole digger). Well was drilled to 290' and 9-5/8" surface casing will be set Sept. 6, 1989. Exeter Drilling is expected to move on location September 8, 1989.

Spud dates reported verbally to BLM and Div. of Oil, Gas & Mining Sept. 6, 1989.

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

Copies: Div. Oil, Gas & Mining; Stan Goodrich; Central Files

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

SIGNED Clemott M. Heddleson
Clemott M. Heddleson

TITLE Production Supt.

DATE Sept. 6, 1989

(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 TRICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR PG&E Resources Company</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 590' FEL, 1837' FSL NE/SE</p> <p>14. PERMIT NO. 43-013-31240</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. U-49092</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. 43-33-B</p> <p>10. FIELD AND POOL, OR WILDCAT Monument Butte</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33, T8S, R16E</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5671' GR</p>	

RECEIVED
SEP 19 1989
DIVISION OF OIL GAS & MINING

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

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

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

- 9/7/89: TD 309'. Prepare to install casinghead.
- 9/8/89: TD 309'. Install pit liner and fill pits. Install csghd & drlg spool.
- 9/10/89: MIRU, N/U and test BOP's.
- 9/11/89: TD 1842'. Drilling.
- 9/12/89: TD 3418'. Drilling.
- 9/13/89: TD 4280'. Drilling. Survey 1½° @ 3695; 1-3/4° @ 4218. Trip bit.
- 9/14/89: TD 5051'. Drilling. Survey 2° @ 4717'.
- 9/15/89: TD 5741'. Drilling. Survey 1½° @ 5246'. Survey 2° @ 5717.
- 9/16/89: TD 6350'. Drilling. Circ for samples @ 6332.
- 9/17/89: TD 6500'. Logging. Survey 1½° @ 6500.
- 9/18/89: TD 6500'. Logging; circ & cond; Ran 152 jts. 5½" 17# J-55 LTC csg. Rig released @ 6 a.m.

Copies: Div. Oil, Gas & Mining; Stan Goodrich; Central Files

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

SIGNED Clemott M. Heddleson TITLE Production Supt. DATE 9/18/89
Clemott M. Heddleson

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

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

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
PG&E Resources Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement. See also space 17 below.)
At surface
590' FEL, 1837' FSL NE/SE

14. PERMIT NO.
43-013-31240

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5671' GR

RECEIVED
OCT 13 1989
DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-49092

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
43-33-B

10. FIELD AND POOL, OR WILDCAT
Monument Butte

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
Sec. 33, T8S, R16E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

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

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

(Other) 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.)*

10/03/89: MIRU General Well Service rig. Run CBL and perf E₂ interval.
 10/04/89: TIH w/pkr and RBP; breakdown perfs w/rig pump.
 10/05/89: Rig up and frac perfs 5596-5705.
 10/06/89: Flow back after frac.
 10/07/89: Flow back after frac.
 10/08/89: Well shut-in.
 10/09/89: Well shut-in.
 10/10/89: Perf and frac E_D 5420-5450.
 10/11/89: Fish perf guns and perf 5420-50.

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

Copies: Div. Oil, Gas & Mining; Stan Goodrich; Central Files

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

SIGNED Clemott M. Heddleson TITLE Production Supt. DATE 10/11/89
 Clemott M. Heddleson

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN 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 wells.
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
OCT 20 1989
DIVISION OF
OIL, GAS & MINING

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-49092
2. NAME OF OPERATOR PG&E Resources Company		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 590' FEL, 1837' FSL NE/SE		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-013-31240	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5671' GR	9. WELL NO. 43-33-B
		10. FIELD AND POOL, OR WILDCAT Monument Butte
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 33, T8S, 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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) Weekly Status Report	<input checked="" type="checkbox"/>

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

(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.)*

- 10/12/89: Attempted to perforate interval 5420-50. R/D Schulumberger and will perf w/Halliburton Logging Service.
- 10/13/89: Perf 5420-5450 w/4" casing gun and 4 SPF. Frac w/Smith Energy. Fluid 1095 bbls, 20/40 sand 45,900#, 16/30 sand 74,300#.
- 10/14/89: Spot acid and frac pers 5280-5288.
- 10/15/89: Flow back after frac.
- 10/16/89: Frac perfs 5136-5144.
- 10/17/89: TIH w/tbg and wash out frac sand.
- 10/18/89: Well shut-in waiting on frac equipment.

OIL AND GAS	
DRM	RF
JRB	GLH
DT	SLS
1-TAS	<input checked="" type="checkbox"/>
2-MICROFILM	<input checked="" type="checkbox"/>
3-FILE	<input checked="" type="checkbox"/>

Copies: Div. Oil, Gas & Mining; Stan Goodrich; Central Files

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

SIGNED Clemott M. Heddleson TITLE Production Supt. DATE 10/18/89
Clemott M. Heddleson
(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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RECEIVED
OCT 27 1989

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-49092	
2. NAME OF OPERATOR PG&E Resources Company		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 590' FEL, 1837' FSL NE/SE		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-31240		9. WELL NO. 43-33-B	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5671' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33, T8S, R16E	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

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

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

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

10/19/89: Frac DC interval 4978'-98'.
 10/20/89: Flow back after frac.
 10/21/89: Shut-in for weekend.
 10/24/89: Run rod string. 156 jts. 2-7/8" J-55 R2 EUE tbg. Tbg anchor @ 4890'.
 26 jts. 2-7/8" tbg, SN @ 5711', 1 jt. 2-7/8", NC @ 5743'.
 10/25/89: Build pads for surface equipment. Rig down and release completion rig.
 10/26/89: Set & erect pumping unit.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTC	SLS
1-TAS	
2-MICROFILM	
3. FILE	

Copies: Div. Oil, Gas & Mining; Stan Goodrich; Central Files

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

SIGNED Clemott M. Heddleson TITLE Production Supt. DATE 10/26/89
 (This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR PG&E Resources Company		8. FARM OR LEASE NAME Federal	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		9. WELL NO. 43-33-B	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 590' FEL, 1837' FSL NE/SE		10. FIELD AND POOL, OR WILDCAT Monument Butte	
14. PERMIT NO. 43-013-31240		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5671' GR	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

RECEIVED
NOV 15 1989

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

(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 line at 12 p.m. November 7, 1989. Initial production was November 10, 1989 with 240 bbls. of oil and 126 bbls. of water.

Future reports will be on "Monthly Report of Operations" Form 3160.

OIL AND GAS	
DPN	RJF
JRB	GLH
DTS	SLS
1-TAS	
2- MICROFILM	
3- FILE	

Copies: Div. Oil, Gas & Mining; Stan Goodrich; Central Files

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

SIGNED Clemott M. Heddleson TITLE Production Supt. DATE November 13, 1989
Clemott M. Heddleson

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

9

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. REVR.

2. NAME OF OPERATOR
PG&E Resources Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 590' FEL, 1837' FSL NE/SE
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
U-49092

6. IF INDIAN ALLOTTEE OR TRIBE NAME

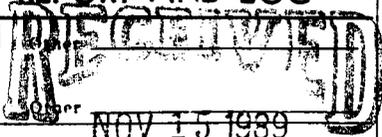
7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
43-33-B

10. FIELD AND POOL, OR WILDCAT
Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 33, T8S, R16E



14. PERMIT NO. 43-013-31240 DATE ISSUED 8/10/89

15. DATE SPUDDED 9/5/89 16. DATE T.D. REACHED 9/17/89 17. DATE COMPL. (Ready to prod.) 11/7/89

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* RKB 5686'

19. ELEV. CASINGHEAD 5671'

20. TOTAL DEPTH, MD & TVD 6501' 21. PLUG. BACK T.D., MD & TVD 6353'

22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-6500'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Green River DC₂ 4978-98, DC₅ 5136-44, Lower D 5280-88, E_d 5420-25, 5427 5434, 5438-42, 46-50, E₂ 5596-5602, 5604-42, 5646-52, 5675-78, 5682-86, 5690-94, 5698-5705

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Caliper, CBL, Var. Density
Dual Laterolog/Microguard log, Compensated Density, Dual Spaced Neutron

27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36	309	12-1/4	165 sx CG 2%CaCl ₂ 1/2# Flocc	0
5-1/2"	17	6483	7-7/8	375 sx Howco High Fill, 670 sx Howco 10-0 Thixo	0

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	5743	

31. PERFORATION RECORD (Interval, size and number)

Interval	Size	Number
4978-98	20'	4 SPF 80 holes
5136-44	8'	4 SPF 32 holes
5280-88	8'	4 SPF 32 holes
5420-50	20'	4 SPF 80 holes
5596-5705	66'	2 SPF 132 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4978-98: 942 bbl	fluid, 41080# 20/40, 55215# 16/30
5136-44: 685 bbl	fluid, 52800# 20/40, 10200# 16/30
5280-88: 676 bbl	26000# 20/40, 44000# 16/30
5420-50: 1095 bbl	45900# 20/40, 74300# 16/30

33.* PRODUCTION 5596-5705: 1933 bbl, 73100# 20/40, 84900# 16/30

DATE FIRST PRODUCTION 11/10/89 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping/228 Lufkin, Insert 2 1/2" x 1 1/2" x 12' x 16' WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/9-10/89	24	---	→	240	0	126	0/240

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
50 PSI	150/470 PSI	→	240	0	126	33

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas will be sold to Interline, Salt Lake City, UT. TEST WITNESSED BY Bill Thomson

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 C. M. Heddleson TITLE Production Supt. DATE 11/13/89

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

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Uintah	Surface	
				Green Rvier	1786	
				Douglas Cr. 2	4978	
				Douglas Cr. 5	5135	
				Lower D	5280	
				E _d	5420	
				E ₂	5595	

OIL AND GAS	
DRN	RJF
JRB	GLH
DTG	SIS
1-TAS	
2. MICROFILM ✓	
3. FILE	

Copies: Div. Oil, Gas & Mining; Stan Goodrich; Central Files

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

5. LEASE DESIGNATION AND SERIAL NO.

U-49092

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
NOV 29 1989
DIVISION OF
OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER

UNIT AGREEMENT NAME

2. NAME OF OPERATOR
PG&E Resources Company

8. FARM OR LEASE NAME

Federal

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

9. WELL NO.

43-33-B

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

10. FIELD AND POOL, OR WILDCAT

Monument Butte

590' FEL, 1837' FSL NE/SE

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

Sec. 33; T8S, R16E

14. PERMIT NO.
43-013-31240

15. ELEVATIONS (Show whether DP, RT, GR, etc.)
5686' KB, 5671'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:

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

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.)*

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

OIL AND GAS	
DRN	RF
JRB	GLH
DTS	SLS
1-	MICROFILM ✓
2-	FILE

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

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

SIGNED *Clement M. Hobbie*

TITLE Production Supt.

DATE 11/27/89

(This space for Federal or State office use)

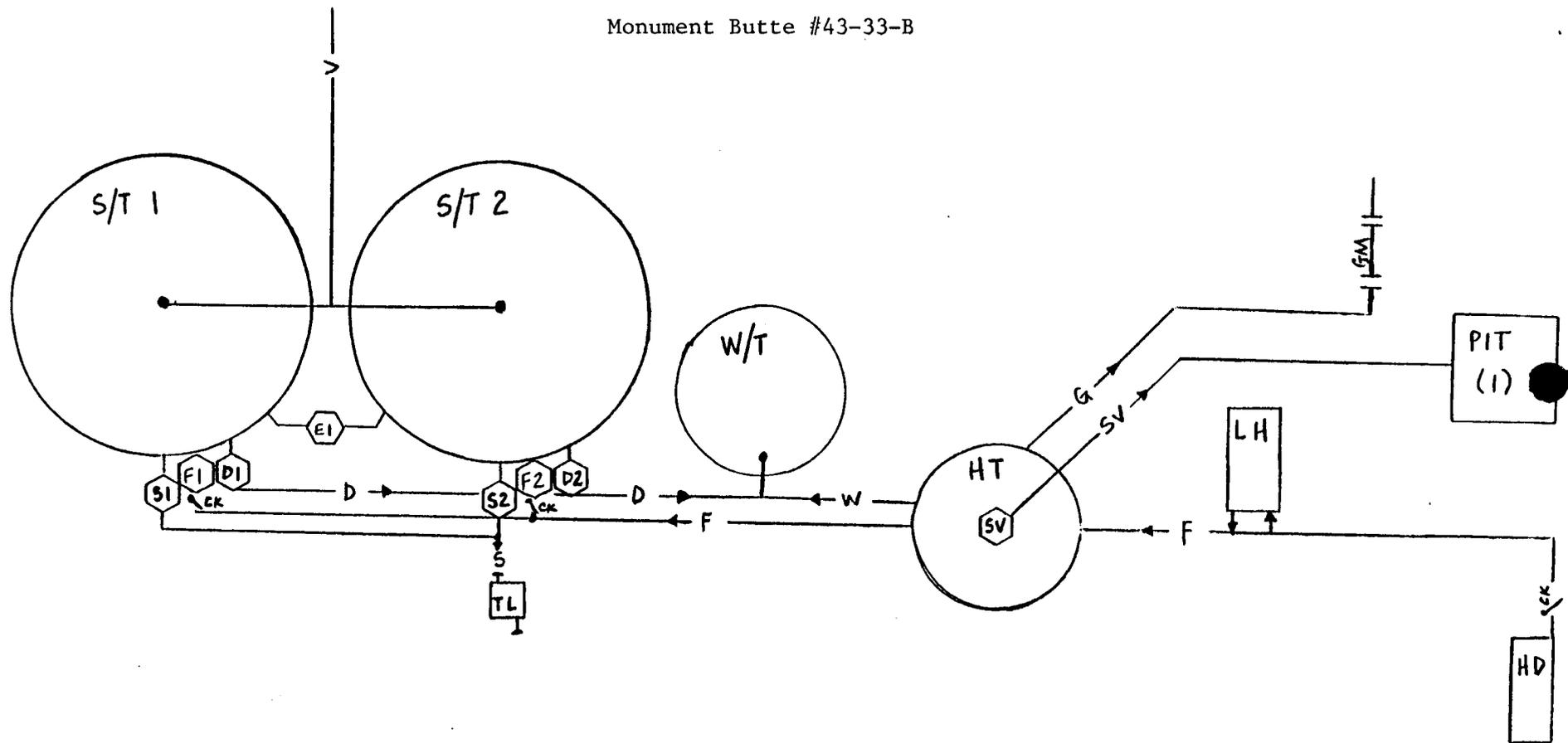
APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Monument Butte #43-33-B



PG&E Resources Company
 Lease: Federal #U-49092
 Location: NE/SE Sec. 33, T8S, R16E

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



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-49092	
2. NAME OF OPERATOR PG&E Resources Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 590' FEL, 1837' FSL, NE/SE		7. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-31240		9. WELL NO. 43-33-B	
15. ELEVATIONS (Show whether DF, ET, GR, etc.) 5686' KB 5671' GR		10. FIELD AND POOL, OR WILDCAT Monument Butte	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33, T8S, R16E	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

RECEIVED
NOV 29 1989
DIVISION OF OIL, GAS & MINING

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) NTL-2B	<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

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

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

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

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

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

Accepted by _____ State
of Utah Division of
Oil, Gas & Mining
Date: 12-4-89
By: [Signature]

OIL AND GAS	
_____	RJF
JRB	GLH ✓
_____	SLS
Q-TAS	
3- MICROFILM ✓	11/27/89
4- FILE	

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

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

SIGNED [Signature] TITLE Production Supt.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Federal Approval of this
Action is Necessary

*See Instructions on Reverse Side

RECEIVED
DEC 13 1989

DIVISION OF
OIL, GAS & MINING

WATER RIGHT NUMBER: 47 - 1788

APPLICATION NO. A64043

1. PRIORITY OF RIGHT: June 26, 1989

FILING DATE: June 26, 1989

2. OWNER INFORMATION

Name: Joe Shields

Phone: (801) 646-3189

Address: Rt. 3 Box 3650, Myton, UT 84052

The land is owned by the applicant(s).

3. QUANTITY OF WATER: 120.0 acre feet (Ac. Ft.)

4. SOURCE: Unnamed Spring Area DRAINAGE: Pariette Draw

POINT(S) OF DIVERSION:

COUNTY: Duchesne

(1) S. 1520 feet, W. 400 feet, from the E $\frac{1}{4}$ Corner of Section 15,
Township 4 S, Range 2 W, USM

Description of Diverting Works: Tank Trucks

(2) S. 200 feet, W. 400 feet, from the E $\frac{1}{4}$ Corner of Section 15,
Township 4 S, Range 2 W, USM

Description of Diverting Works: Tank Trucks

COMMON DESCRIPTION: 3.5 miles SW of Myton

5. NATURE AND PERIOD OF USE

Oil Exploration From August 30 to August 29.

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Oil well drilling and completion.

EXPLANATORY

PLACE OF USE: The water is be used in all or part of the ^{Pariette} ~~Pariette~~ Drainage.

This application is being filed for a fixed time of ten years - from
August 30, 1990 to August 29, 2000.

PG&E Resources Co. Fed. 23-34B-43-013-31241
Fed. 43-33-B 43-013-31240

Lisha,

This is the one he will use as soon
as it is approved, which should be shortly.

Billie

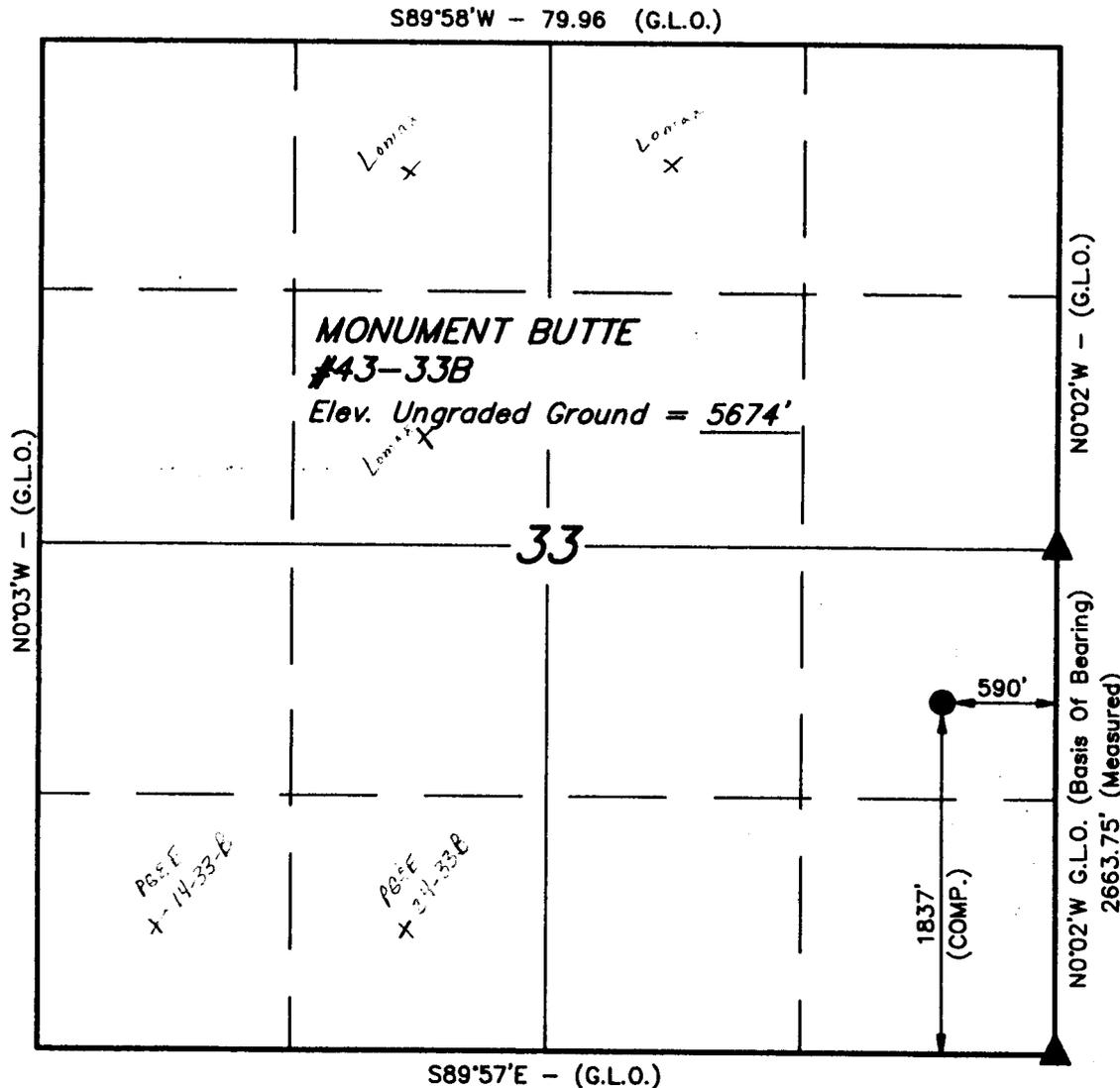
T8S, R16E, S.L.B.&M.

N.G.C. ENERGY COMPANY

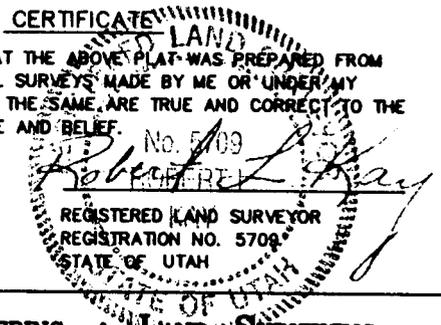
WELL LOCATION, MONUMENT BUTTE #43-33B,
 LOCATED AS SHOWN IN THE NE1/4 SE1/4
 OF SECTION 33, T8S, R16E, S.L.B.&M.
 DUCHESNE COUNTY, UTAH.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SE CORNER OF
 SECTION 33, T8S, R16E, S.L.B.&M. TAKEN
 FROM THE MYTON SE QUADRANGLE, UTAH,
 DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC
 MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT
 OF THE INTERIOR, GEOLOGICAL SURVEY. SAID
 ELEVATION IS MARKED AS BEING 5677 FEET.



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



PEE
 X 14-33E

▲ = SECTION CORNERS LOCATED. (Brass Cops)

UINTAH ENGINEERING & LAND SURVEYING P. O. BOX 1758 - 85 SOUTH - 200 EAST VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 7-6-89
PARTY L.D.T. D.S. T.D.H.	REFERENCES G.L.O. PLAT
WEATHER HOT	FILE N.G.C. ENERGY COMPANY

DRILLING PROGRAM

Company PG&E Resources Company Well No. 43-33-B

Location Section 33, T. 8S R. 16E Lease No. U-49092

Onsite Inspection Date 7/13/89

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

1. Surface Formation and Estimated Formation Tops:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Uintah	Surface	+5671'
Green River	1807'	+3864'
Douglas Creek Marker	4956'	+ 715'
TD	6500'	- 829'

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

	<u>Formation</u>	<u>Zone</u>
Expected oil zones:	Green River	4200' - 6300'
Expected gas zones:	None	
Expected water zones:	None	
Expected mineral zones:	Oil Shale	Top @ 1807'

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

3. Pressure Control Equipment:

A 3000 WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the surface casing. The BOP system including the casing will be pressure tested to a minimum of 2500 psi for 15 minutes prior to drilling and will be mechanically checked daily during drilling operations.

BOPE and testing procedures will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned.

PG# E

APPLICATION TO APPROPRIATE WATER
STATE OF UTAH

47-1674

NOTE:--The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- 1. Irrigation Domestic Stockwatering Municipal Power Mining Other Uses

2. The name of the applicant is Joe Shields

3. The Post Office address of the applicant is Myton, Utah 84052

4. The quantity of water to be appropriated .015 second-feet and/or _____ acre-feet

5. The water is to be used for Stockwatering & Other from _____ to _____
(Major Purpose) (Month) (Day) (Month) (Day)

other use period Irrigation from Apr. 1 to Oct. 31
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from _____ to _____
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is _____
(Leave Blank)

7. The direct source of supply is* Drain
(Name of stream or other source)

which is tributary to _____, tributary to _____

*Note.--Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Duchesne County, situated at a point*
West 900 ft. South 1100ft. from E $\frac{1}{2}$ Cor. Sec. 15, T4S,R2W, USB&M
(3 $\frac{1}{2}$ Miles SW of Myton)

*Note.--The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of a collection ditch to place of use

10. If water is to be stored, give capacity of reservoir in acre-feet _____ height of dam _____
area inundated in acres _____ legal subdivision of area inundated _____

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15, T4S,R2W, USB&M

Total .25 Acres

12. Is the land owned by the applicant? Yes X No _____ If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes _____ No X
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity _____

15. If application is for mining, the water will be used in _____ Mining District at
the _____ mine, where the following ores are mined _____

16. If application is for stockwatering purposes, number and kind of stock watered 320 Cattle
in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15, T4S,R2W, USB&M

17. If application is for domestic purposes, number of persons _____, or families _____

18. If application is for municipal purposes, name of municipality _____

19. If application is for other uses, include general description of proposed uses Oil Field use

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Myton Oil Field in Pleasant Valley

21. The use of water as set forth in this application will consume .015 second-feet and/or acre-
feet of water and None second feet and/ or acre feet will be returned to the natural
stream or source at a point described as follows: 1100 acres East

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Lined area for additional facts.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

Signature of Applicant* (Handwritten signature)

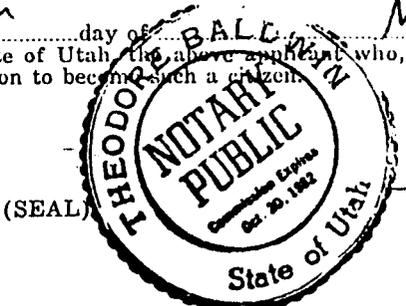
*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, Uintah } ss
County of.....

On the 10th day of May, 1932, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires:



Signature of Notary Public (Handwritten signature)

Notary Public

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-49092

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

43-33-B

9. API Well No.

43-013-31240

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

PG&E Resources Company

3. Address and Telephone No.

85 South 200 East, Vernal, UT 84078 801-789-4573

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

590' FEL, 1837' FSL NE/SE
Section 33, T8S, R16E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other

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

NTL-2B

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

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

Operator proposes to dispose of produced water into an above-ground tank. The tank will be fiberglass with a capacity of about 100 bbls. Water from the tank will be taken by truck and disposed of at the Rooney Operating disposal well.

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

Date: 9-28-93

By: [Signature]

SEP 27 1993

Copies: Div. OG&M; SGoodrich; Central Files; JLaFavers

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

Signed

[Signature]

Title

Production Foreman

Date

9/23/93

(This space for Federal or State office use)

Approved by

Federal Approval of this

Title

Date

Conditions of approval, if any: Action is Necessary

November 22, 1993

RECEIVED

NOV 23 1993

**DIVISION OF
OIL, GAS & MINING**



State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
Underground Injection Control Section
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Gil Hunt

RE: Application for Water Injection
Wells Draw Waterflood Unit
Duchesne County, Utah

Dear Mr. Hunt:

PG&E Resources Company respectfully requests approval to convert the following wells into water injection wells in conjunction with PG&E's Proposed Wells Draw Unit, Docket No. 93-039, Cause No. 231-1:

Federal 41-5G	Federal 32-5G
Federal 14-33B	Federal 43-33B
Federal 34-33B	Federal 21-4G
Federal 14-34B	

The enclosed application has been prepared in accordance with R615-5-1 and R615-5-2 and is being submitted for your review and approval. If you have any questions or need additional information, please contact the undersigned at (214) 706-3640 or Jim LaFevers at (214) 750-3988.

Sincerely,

Cindy R. Keister
Sr. Regulatory Analyst

Enclosures

cc: S. Gilbert
J. LaFevers
Central File
Regulatory File

RECEIVED

NOV 23 1993

DIVISION OF
OIL, GAS & MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR PG&E Resources Company
ADDRESS 6688 N. Central Expressway,
Suite 1000
Dallas, Texas 75206-3922

Well name and number: Federal No. 43-33B
Field or Unit name: Wells Draw Waterflood Unit Lease no. U-49092
Well location: QQ SE section 33 township 8S range 16E county Duchesne
Is this application for expansion of an existing project? . . Yes No
Will the proposed well be used for: Enhanced Recovery? . . Yes No
Disposal? Yes No
Storage? Yes No
Is this application for a new well to be drilled? Yes No
If this application is for an existing well,
has a casing test been performed on the well? Yes No
Date of test: _____
API number: 43-013-31240

Proposed injection interval: from 4978' to 5705'
Proposed maximum injection: rate 300-400 BPD pressure 2000 psig
Proposed injection zone contains oil, gas, and/or fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Plat, electric log section, wellbore diagram, offset well data and offset operators.

I certify that this report is true and complete to the best of my knowledge.
Name Cindy R. Keister Signature Cindy R. Keister
Title Sr. Regulatory Analyst Date 11/17/93
Phone No. (214) 706-3640

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

Comments:

UIC FORM 1

PLAT

WELLBORE DIAGRAMS

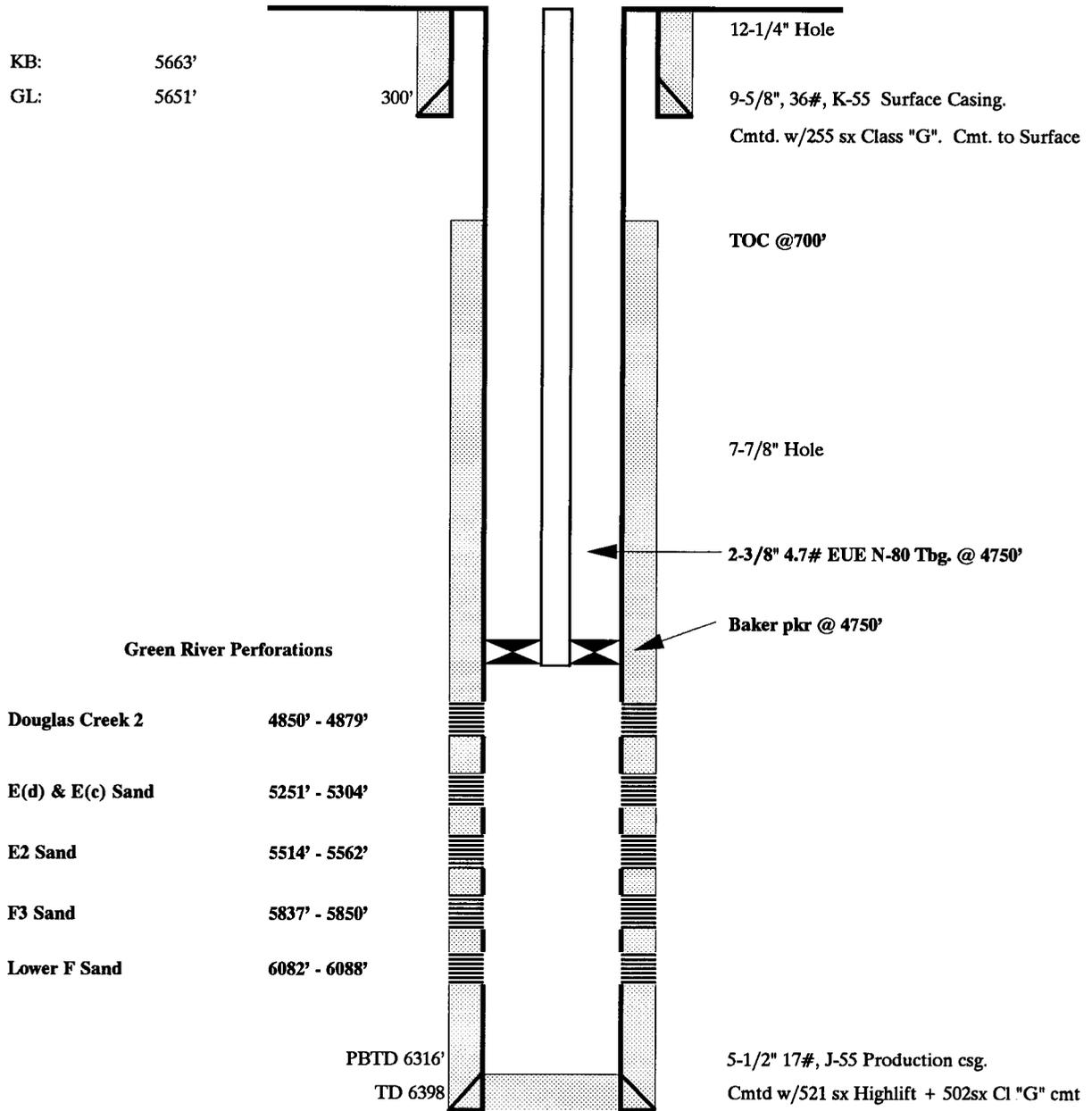
FEDERAL 14-33B

WELLS DRAW UNIT
 Duchesne County, Utah
 PROPOSED WIW

Spud: 6/7/89
 TD Date: 7/15/89
 Compl. Date: 9/4/89

Sec 33, T-8S-R16E
 SW/4 SW/4

KB: 5663'
 GL: 5651'



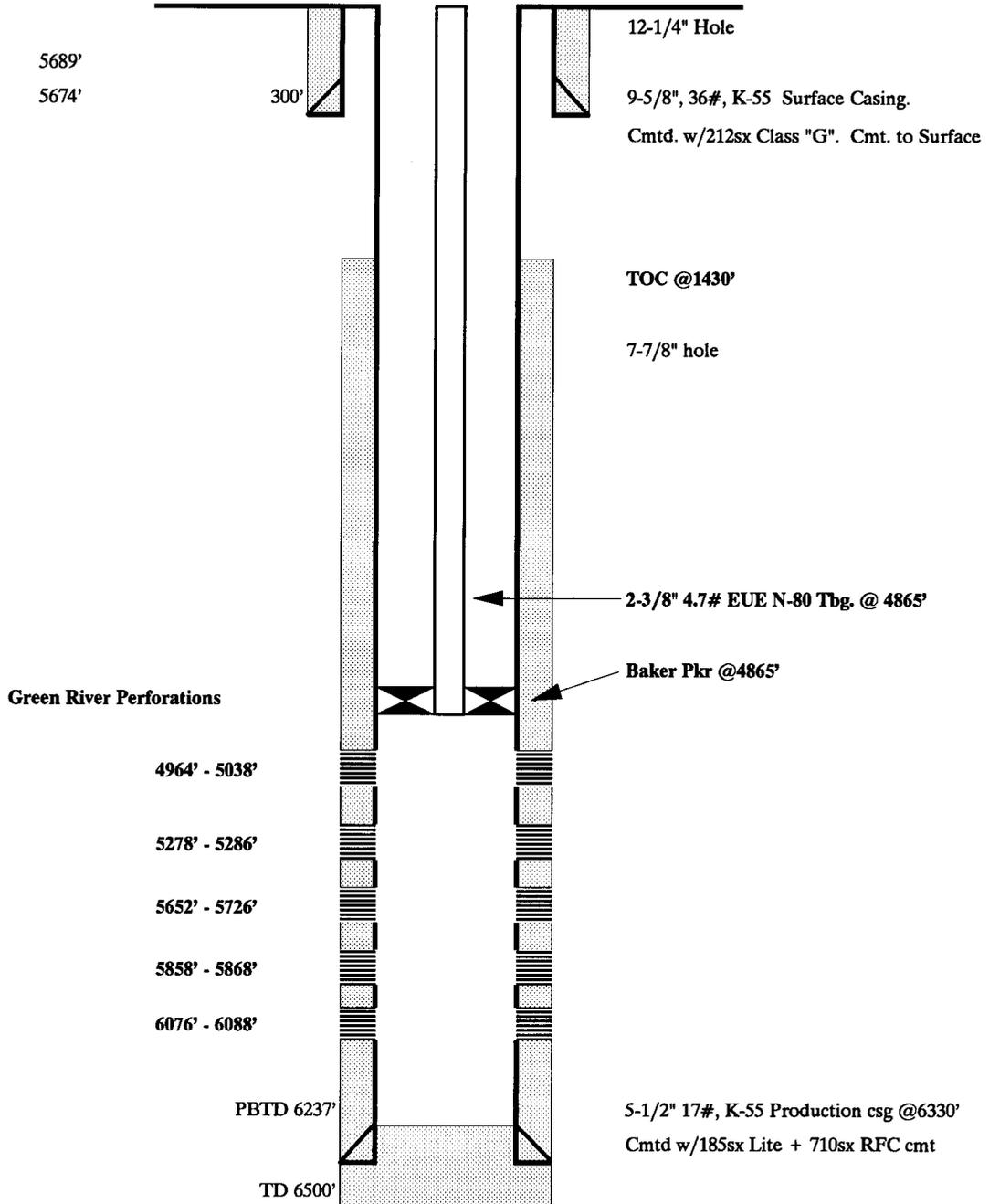
FEDERAL 14-34B

WELLS DRAW UNIT
 Duchesne County, Utah
 PROPOSED WIW

Spud: 5/7/89
 TD Date: 5/20/89
 Compl. Date: 6/24/89

Sec 34, T-8S-R16E
 SW/4 SW/4

KB: 5689'
 GL: 5674'



FEDERAL 21-4G

WELLS DRAW UNIT

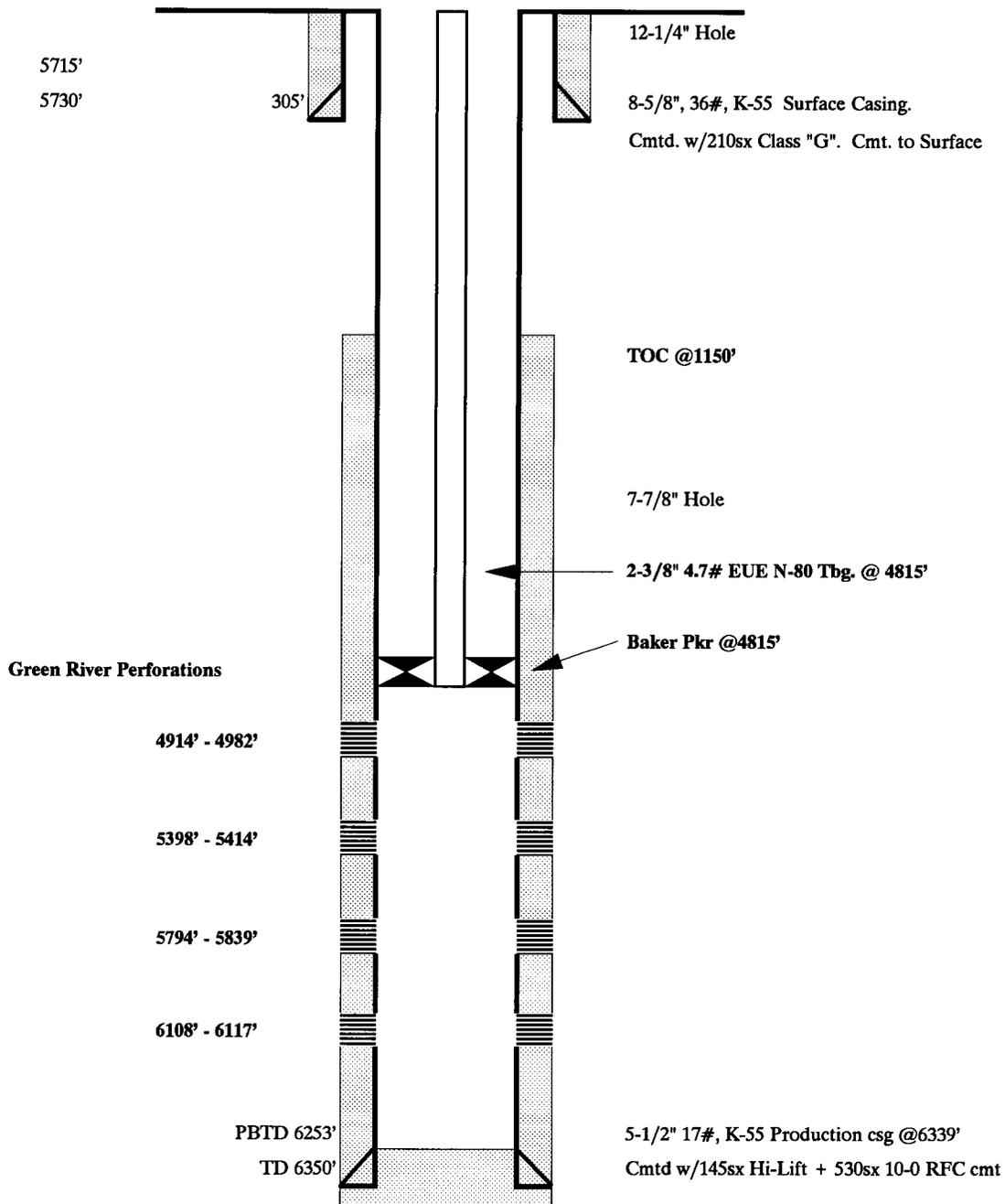
Duchesne County, Utah

PROPOSED WIW

Spud: 6/2/90
TD Date: 6/15/90
Compl. Date: 8/18/90

Sec 4, T-9S-R16E
NE/4 NW/4

KB: 5715'
GL: 5730'



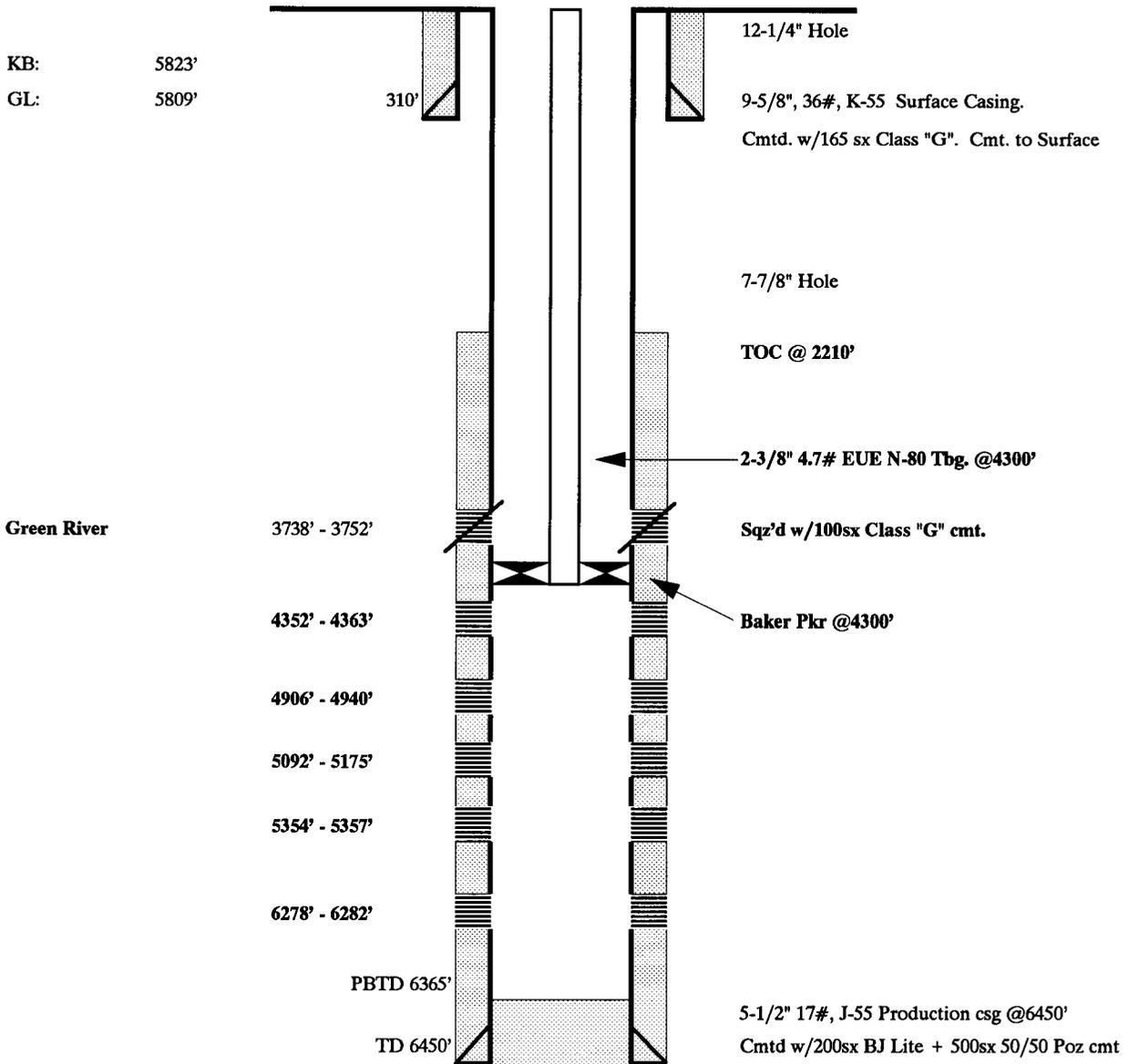
FEDERAL 32-5G

WELLS DRAW UNIT
 Duchesne County, Utah
 PROPOSED WIW

Spud: 7/19/82
 TD Date: 7/30/82
 Compl. Date: 11/14/82

Sec 5, T-9S-R16E
 SW/4 NE/4

KB: 5823'
 GL: 5809'



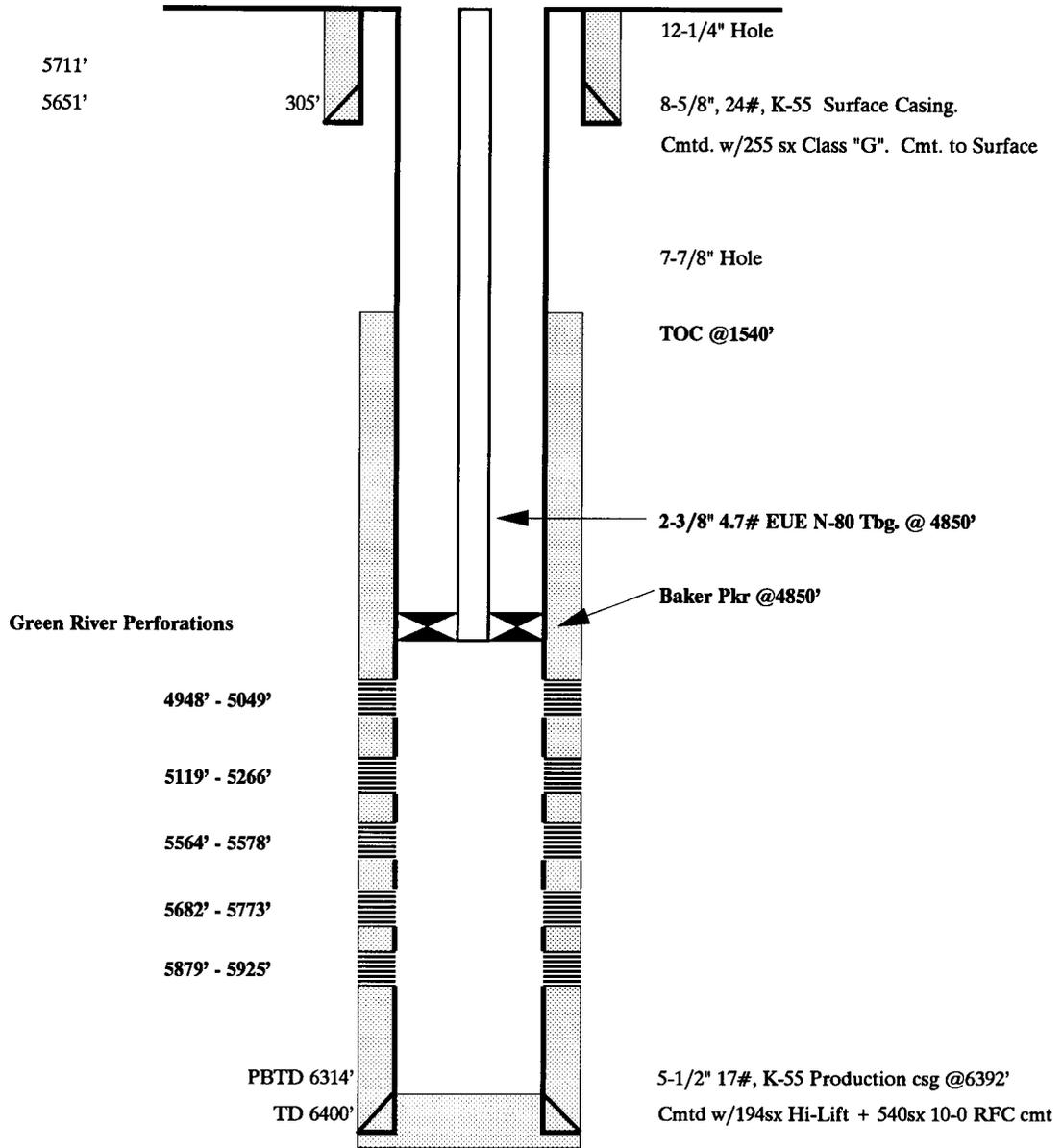
FEDERAL 34-33B

WELLS DRAW UNIT
Duchesne County, Utah
PROPOSED WIW

Spud: 4/24/90
TD Date: 5/6/90
Compl. Date: 6/19/90

Sec 33, T-8S-R16E
SW/4 SE/4

KB: 5711'
GL: 5651'



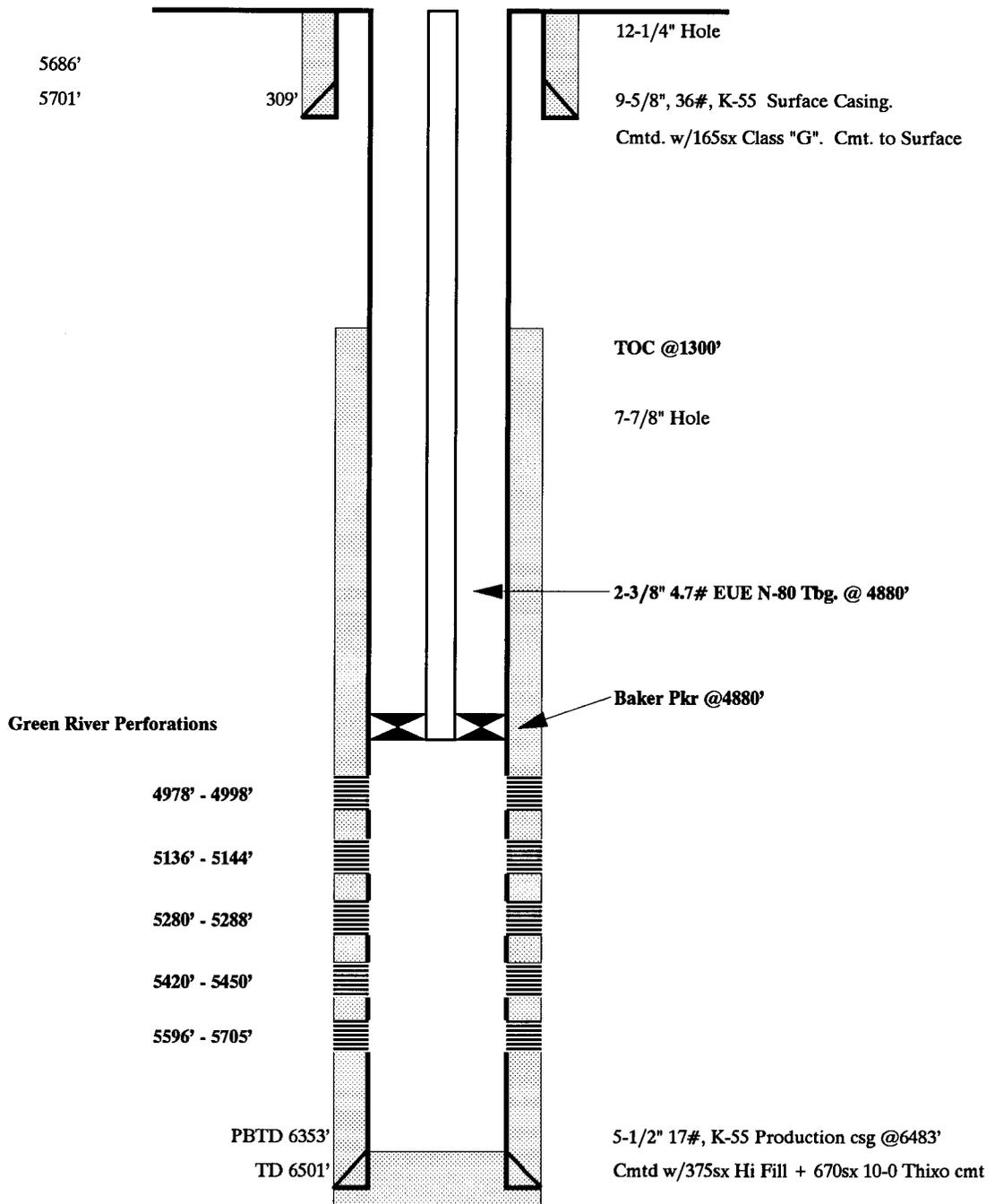
FEDERAL 43-33B

WELLS DRAW UNIT Duchesne County, Utah PROPOSED WIW

Spud: 9/5/89
TD Date: 9/17/89
Compl. Date: 11/7/89

Sec 33, T-8S-R16E
NE/4 SE/4

KB: 5686'
GL: 5701'



**WELLS DRAW WATERFLOOD UNIT
DUCHENESE COUNTY, UT
INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS**

A. ELECTRIC LOGS

A copy of the marked injection interval is attached for your convenience. The electric logs have been submitted and are on file with the Utah Division of Oil, Gas & Mining and Bureau of Land Management.

B. CEMENT BOND LOGS

The Cement Bond Logs have been submitted and are currently on file with the Utah Division of Oil, Gas & Mining and Bureau of Land Management.

C. CASING PROGRAM/TESTING PROCEDURES

The casing program for each of the seven (7) wells is reflected on the attached individual wellbore diagrams. Before injection begins, the casing outside the tubing shall be tested to 1000 psi as required in R615-5-5.

D. INJECTION FLUID

Initially produced water from the E₂ and DC₃ sands of the Green River formation from wells operated by Lomax will be injected. Water samples are being taken and a water analysis and compability statement will be furnished. When the waterflood is in full operation, produced water from PG&E's Wells Draw Unit Wells will be used for injection. Annual injection rates will be determined by a step-rate test, but the initial injection rate will be 300-400 BWPD per well at an injection pressure somewhat below 2000 psi.

E. FRESH WATER PROTECTION

The frac gradients for the field average to be 0.84 psig/ft. The maximum injection pressures will be kept below this gradient.

F. GEOLOGY

The Wells Draw Unit is adjacent and similar to the Monument Butte Green River "D" Unit in that it produces from the same Green River sands with similar pay thicknesses and production characteristics. By far the majority of production is from the DC₂ and E₂ sands but there are several non-continuous porous intervals in the "A", "B", "D" and other Green River sand groups .

Oil is stratigraphically trapped in lenticular, fine grained quartz sandstone fluvial deposits intersecting the edge of a lacustrine environment. These sandstones are associated with multicolored shales and carbonates of a lacustrine nature. The Wells Draw area is located on a structural monocline dipping one to two degrees to the Northeast. Reservoir thickness and distribution are basically similar as you go from Monument Butte into Wells Draw. The two fields contain the same hydrocarbons and similar water saturations. The water in which these reservoirs were deposited was fresh to brackish.

WELLS DRAW WATERFLOOD UNIT
 INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
 PAGE 2

G. OFFSET WELL MECHANICAL CONDITION (1/2 MILE RADIUS)

OFFSET WELL - FEDERAL 11-4G (Section 4, T9S-R16E NW/NW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	J-55	J-55
Setting Depth	289'	6453'
Amount of Cement	165sx	317sx + 595sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	3300' ✓
Date Set	12/24/89	01/20/90
PBTD		6311'

OFFSET WELL - FEDERAL 12-4G (Section 4, T9S-R16E SW/NW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	32#	15.5#
Grade	J-55	J-55 & K-55
Setting Depth	305'	6409'
Amount of Cement	215sx	285sx + 682sx
Type of Cement	B. J. "L"	B. J. Lite + B.J. Lite 50/50 Poz
Top of Cement	Surface	2500' ✓
Date Set	04/05/83	04/19/83
PBTD		6217'

OFFSET WELL - FEDERAL 13-34B (Section 34, T8S-R16E NW/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	K-55
Setting Depth	307'	6470'
Amount of Cement	210sx	165sx + 530sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	1080' ✓
Date Set	05/31/90	06/10/90
PBTD		6390'

WELLS DRAW WATERFLOOD UNIT
 INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
 PAGE 3

OFFSET WELL - FEDERAL 21-5G (Section 5, T9S-R16E NE/NW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	32#	15.5#
Grade	J-55	J-55
Setting Depth	311'	6500'
Amount of Cement	215sx	338sx + 863sx
Type of Cement	Class "G"	B. J. Lite + 50/50 Poz
Top of Cement	Surface	2500' ✓
Date Set	03/26/83	04/07/83
PBTD		6270'

OFFSET WELL - FEDERAL 22-5G (Section 5, T9S-R16E SE/NW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	J-55
Setting Depth	311'	6259'
Amount of Cement	210sx	160sx + 450sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	1610' ✓
Date Set	05/29/90	06/24/90
PBTD		6184'

OFFSET WELL - FEDERAL 23-5G (Section 5, T9S-R16E NE/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	53.5#	17#
Grade	L-80	K-55/N-80
Setting Depth	300'	6000'
Amount of Cement	165sx	195sx + 445sx
Type of Cement	Class "G"	Class "G"
Top of Cement	Surface	1190' ✓
Date Set	07/20/88	08/06/88
PBTD		5911'

WELLS DRAW WATERFLOOD UNIT
 INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
 PAGE 4

OFFSET WELL - FEDERAL 23-33B (Section 33, T8S-R16E NE/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	K-55
Setting Depth	300'	6402'
Amount of Cement	165sx	300sx + 575sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	3300' ✓
Date Set	12/21/89	01/07/90
PBTD		6308'

OFFSET WELL - FEDERAL 23-34B (Section 34, T8S-R16E NE/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	36#	17#
Grade	J-55	J-55
Setting Depth	301'	6550'
Amount of Cement	165sx	320sx + 585sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	1740' ✓
Date Set	12/03/89	12/22/89
PBTD		6445'

OFFSET WELL - FEDERAL 24-33B (Section 33, T8S-R16E SE/SW)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	47# & 53.5#	17#
Grade	L-80/N-80	K-55/N-80
Setting Depth	310'	6410'
Amount of Cement	165sx	125sx + 500sx
Type of Cement	Class "G"	Silica Lite + Class "G"
Top of Cement	Surface	2405' ✓
Date Set	08/18/88	08/31/88
PBTD		6329'

WELLS DRAW WATERFLOOD UNIT
 INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
 PAGE 5

OFFSET WELL - FEDERAL 31-4G (Section 4, T9S-R16E NW/SE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	36#	17#
Grade	K-55	J-55
Setting Depth	300'	5603'
Amount of Cement	165sx	260sx + 580sx
Type of Cement	Class "G"	Hi-Lift + Class "G"
Top of Cement	Surface	2300'
Date Set	05/21/89	05/12/89
PBTD		5603'

OFFSET WELL - FEDERAL 31-5G (Section 5, T9S-R16E NW/NE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	K-55
Setting Depth	332'	6388'
Amount of Cement	225sx	318sx + 535sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	2200'
Date Set	01/20/90	02/03/90
PBTD		6255'

OFFSET WELL - FEDERAL 33-33B (Section 33, T8S-R16E NW/SE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	K-55
Setting Depth	301'	6400'
Amount of Cement	225sx	155sx + 520sx
Type of Cement	Class "G"	Howco Lite + 10-0 RFC
Top of Cement	Surface	2050' ✓
Date Set	05/04/90	06/03/90
PBTD		6315'

WELLS DRAW WATERFLOOD UNIT
 INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
 PAGE 6

OFFSET WELL - FEDERAL 42-4 (Section 4, T9S-R16E SE/NE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	9-5/8"	5-1/2"
Weight (lbs/ft)	36#	17#
Grade	K-55	N-80
Setting Depth	300'	6483'
Amount of Cement	165sx	720sx
Type of Cement	Class "G"	Class "G"
Top of Cement	Surface	2406'
Date Set	03/22/82	04/04/82
PBTD		6404'

OFFSET WELL - FEDERAL 44-33B (Section 33, T8S-R16E SE/SE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade	K-55	K-55
Setting Depth	300'	6385'
Amount of Cement	225sx	240sx + 715sx
Type of Cement	Class "G"	Hi-Lift + 10-0 RFC
Top of Cement	Surface	2650' ✓
Date Set	04/29/90	05/26/90
PBTD		6279'

OFFSET WELL - FEDERAL 43-5 (Section 5, T9S-R16E NE/SE)

	<u>Surface Casing</u>	<u>Production Casing</u>
Hole Size	12-1/4"	7-7/8"
Casing Size	8-5/8"	5-1/2"
Weight (lbs/ft)	24#	17#
Grade		
Setting Depth	240'	6025'
Amount of Cement	190sx	190sx + 385sx
Type of Cement	Class "G"	Lite + Thixotropic
Top of Cement	Surface	750' ✓
Date Set	01/84	1984
PBTD		5980'

WELLS DRAW WATERFLOOD UNIT
INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
PAGE 7

H. AFFIDAVIT OF NOTIFICATION

To whom it may concern:

Copies of the UIC Form 1 application for the wells listed below have been mailed to the following on November 19, 1993:

Federal 41-5G
Federal 14-33B
Federal 43-33B
Federal 21-4G

Federal 32-5G
Federal 34-33B
Federal 14-34B

OFFSET OPERATORS:

Chevron USA, Inc.
P. O. Box 1635
Houston, TX 77251

Equitable Resources Energy Co.
Balcron Oil Division
P. O. Box 21017
Billings, MT 59104

James Fishgrund
9777 Wilshire Blvd., #818
Beverly Hills, CA 90202

Interline Resources Company
175 West 200 South, Suite 2004
Salt Lake City, UT 84001

Lomax Exploration Company
13405 NW Freeway, #310
Houston, TX 77040

Lee R. Martin
1645 Court Place
Denver, CO 80202

Maybelle, Inc.
P. O. Box 3595
Midland, TX 79702

WELLS DRAW WATERFLOOD UNIT
INFORMATION APPLICABLE TO ALL SEVEN (7) WELLS
PAGE 8

AFFIDAVIT OF NOTIFICATION (Continued)

SURFACE OWNERS:

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


Signature

Cindy Keister

Name

(214) 706-3640

Telephone

Sr. Regulatory Analyst

Title

November 22, 1993

Date



**Jetco
Chemicals,
Inc.**

A Procter & Gamble Co.

P.O. BOX 1898
OFFICE: 214/872-3011

CORSICANA, TEXAS 75110

PLANT: 214/874-3706
(U.S.): 800/327-2510

TWX: 910/860-5100
(TX.) 800/442-6261

WATER ANALYSIS REPORT

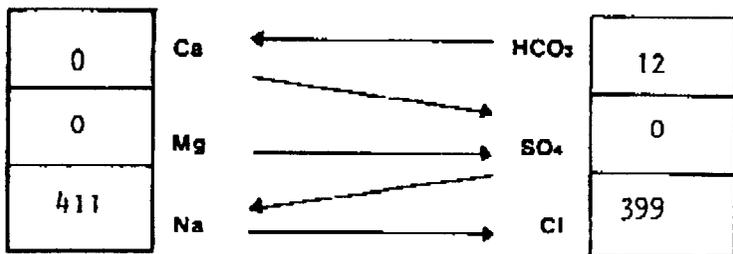
COMPANY NGC ADDRESS Vernal, Utah DATE: 10-21-88

SOURCE 41-5G (Treater) DATE SAMPLED 10-20-88 ANALYSIS NO. _____

Analysis	Mg/l (ppm)	Meq/l
1. pH	<u>8.2</u>	
2. H ₂ S (Qualitative)	<u>.5</u>	
3. Specific Gravity	<u>1.016</u>	
4. Dissolved Solids	<u>24,348</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count	<u>CI</u>	<u>C/MI</u>
7. (Phenolphthalein) Alkalinity (CO ₃)		
8. (Methyl Orange) Alkalinity (HCO ₃)	<u>600</u>	
9. Bicarbonate (HCO ₃)	HCO ₃ <u>732</u>	+61 <u>12</u> HCO ₃
10. Sulfates (SO ₄)	SO ₄ <u>0</u>	+48 <u>0</u> Cl
11. Chlorides (Cl)	Cl <u>14,160</u>	+35.5 <u>399</u> SO ₄
12. Calcium (Ca)	Ca <u>2</u>	+20 <u>0</u> Ca
13. Magnesium (Mg)	Mg <u>1</u>	+12.2 <u>0</u> Mg
14. Total Hardness (CaCO ₃)	<u>11</u>	
15. Total Iron (Fe)	<u>.7</u>	
16. Barium (Ba)		
17. Phosphate Residuals		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04				
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		12		1,008
Na SO ₄	71.03		0		0
Na Cl	58.46		399		23,326

Saturation Values	Distilled Water 20°C
Ca CO ₃	13Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

REMARKS OIL ANALYSIS: Spec. Gravity = .8867 / API @ 60°F = 22.5 / Pour Point = 87°F



P.O. BOX 1898
 CORSICANA, TX. 75151

OFFICE:
 TEL: 214/872-3011
 FAX: 214/872-4216

PLANT:
 TEL: 214/874-9500
 FAX: 214/874-9596

WATER ANALYSIS REPORT

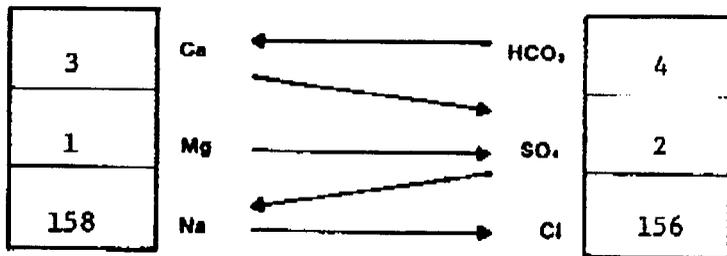
COMPANY P.G. & E. ADDRESS Vernal, UT. DATE: 10-31-90

SOURCE 34-33 DATE SAMPLED _____ ANALYSIS NO. _____

Analysis	Mg/l (ppm)	*Meq/l
1. PH	7.7	
2. H ₂ S (Qualitative)	4.5	
3. Specific Gravity	1.015	
4. Dissolved Solids	9,559	
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		
8. Bicarbonate (HCO ₃)	HCO ₃ 220	+61 4 HCO ₃
9. Chlorides (Cl)	Cl 5,529	+35.5 156 Cl
10. Sulfates (SO ₄)	SO ₄ 100	+48 2 SO ₄
11. Calcium (Ca)	Ca 64	+20 3 Ca
12. Magnesium (Mg)	Mg 12	+12.2 1 Mg
13. Total Hardness (CaCO ₃)	220	
14. Total Iron (Fe)	.4	
15. Barium (Qualitative)		
16. Phosphate Residuals		

*MMH equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	x	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		3		243
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		1		73
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03		2		142
Na Cl	58.46		156		9,120

Saturation Values	Distilled Water 20°C
Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

REMARKS _____



**Jeico
Chemicals,
Inc.**

A Procter & Gamble Co.

P.O. BOX 1898
OFFICE: 214/872-3011

CORSICANA, TEXAS 75110
PLANT: 214/874-3706
(U.S.): 800/527-2510

TWX: 910/860-5100
(TX.) 800/442-6261

WATER ANALYSIS REPORT

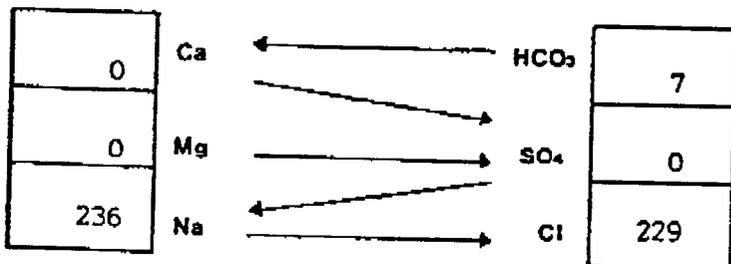
COMPANY N.G.C. Corp. ADDRESS Vernal, UT 84078 DATE: 1-22-88

SOURCE 32-5G DATE SAMPLED 1-20-88 ANALYSIS NO. _____

Analysis	Mg/l (ppm)	Meq/l
1. pH	8.8	
2. H ₂ S (Qualitative)	0	
3. Specific Gravity	1.007	
4. Dissolved Solids	13,932	
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. (Phenolphthalein) Alkalinity (CO ₃)		
8. (Methyl Orange) Alkalinity (HCO ₃)	350	
9. Bicarbonate (HCO ₃)	HCO ₃ 427	+61 7 HCO ₃
10. Sulfates (SO ₄)	SO ₄ 0	+48 0 Cl
11. Chlorides (Cl)	Cl 8,142	+35.5 229 SO ₄
12. Calcium (Ca)	Ca 2	+20 0 Ca
13. Magnesium (Mg)	Mg 71	+12.2 6 Mg
14. Total Hardness (CaCO ₃)	300	
15. Total Iron (Fe)	12	
16. Barium (Ba)		
17. Phosphate Residuals		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04				
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		6		439
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		1		84
Na SO ₄	71.03		0		
Na Cl	58.46		229		13,387

Saturation Values	Distilled Water 20°C
Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

REMARKS _____



P.O. BOX 1898
CORSIANA, TX. 75151

OFFICE:
TEL: 214/872-3011
FAX: 214/872-4216

PLANT:
TEL: 214/874-9500
FAX: 214/874-9596

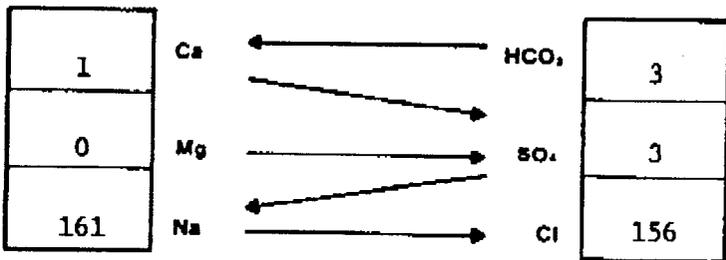
WATER ANALYSIS REPORT

COMPANY P.C. & E. ADDRESS Vernal, UT. DATE: 10-31-90
SOURCE 21-4 DATE SAMPLED _____ ANALYSIS NO. _____

Analysis	Mg/l (ppm)	Meq/l
1. PH	8.0	
2. H ₂ S (Qualitative)	.5	
3. Specific Gravity	1.014	
4. Dissolved Solids	9,618	
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		
8. Bicarbonate (HCO ₃)	207	3
9. Chlorides (Cl)	5,529	156
10. Sulfates (SO ₄)	150	3
11. Calcium (Ca)	24	1
12. Magnesium (Mg)	5	0
13. Total Hardness (CaCO ₃)	80	
14. Total Iron (Fe)	2.6	
15. Barium (Qualitative)		
16. Phosphate Residuals		

*MEQ equivalents per liter

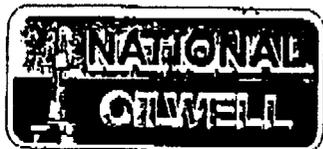
PROBABLE MINERAL COMPOSITION



Saturation Values	Distilled Water 20°C
Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Eqiv. Wt.	x	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		3		81
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.52				
Na HCO ₃	84.00		2		168
Na ₂ SO ₄	71.03		3		243
Na Cl	58.46		156		9,120

REMARKS _____



P.O. BOX 1532

ROOSEVELT, UTAH 84066

OFFICE: (801) 722-3693

WATER ANALYSIS REPORT

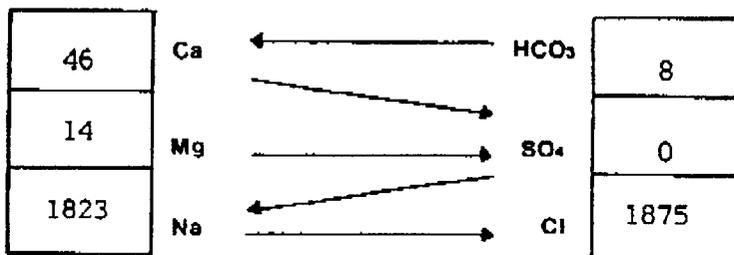
COMPANY P G & E ADDRESS _____ DATE: 12-01-89

SOURCE 14-34B DATE SAMPLED 11-30-89 ANALYSIS NO. _____

Analyze	Mg/L (ppm)	Meq/L	
1. pH	<u>6.4</u>		
2. H ₂ S (Qualitative)	<u>0</u>		
3. Specific Gravity	<u>1.076</u>		
4. Dissolved Solids	<u>110,035</u>		
5. Suspended Solids	<u> </u>		
6. Anaerobic Bacterial Count	<u> </u>		CI C/MI
7. (Methyl Orange) Alkalinty (HCO ₃)	<u>380</u>		
8. Bicarbonate (HCO ₃)	<u>464</u>	<u>+61</u>	<u>8</u> HCO ₃
9. Chlorides (Cl)	<u>66,552</u>	<u>+35.5</u>	<u>1875</u> Cl
10. Sulfates (SO ₄)	<u>0</u>	<u>+48</u>	<u>0</u> SO ₄
11. Calcium (Ca)	<u>920</u>	<u>+20</u>	<u>46</u> Ca
12. Magnesium (Mg)	<u>170</u>	<u>+12.2</u>	<u>14</u> Mg
13. Total Hardness (CaCO ₃)	<u>3000</u>		
14. Total Iron (Fe)	<u>120</u>		
15. Barium (Ba)	<u> </u>		
16. Phosphate Residuals	<u> </u>		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

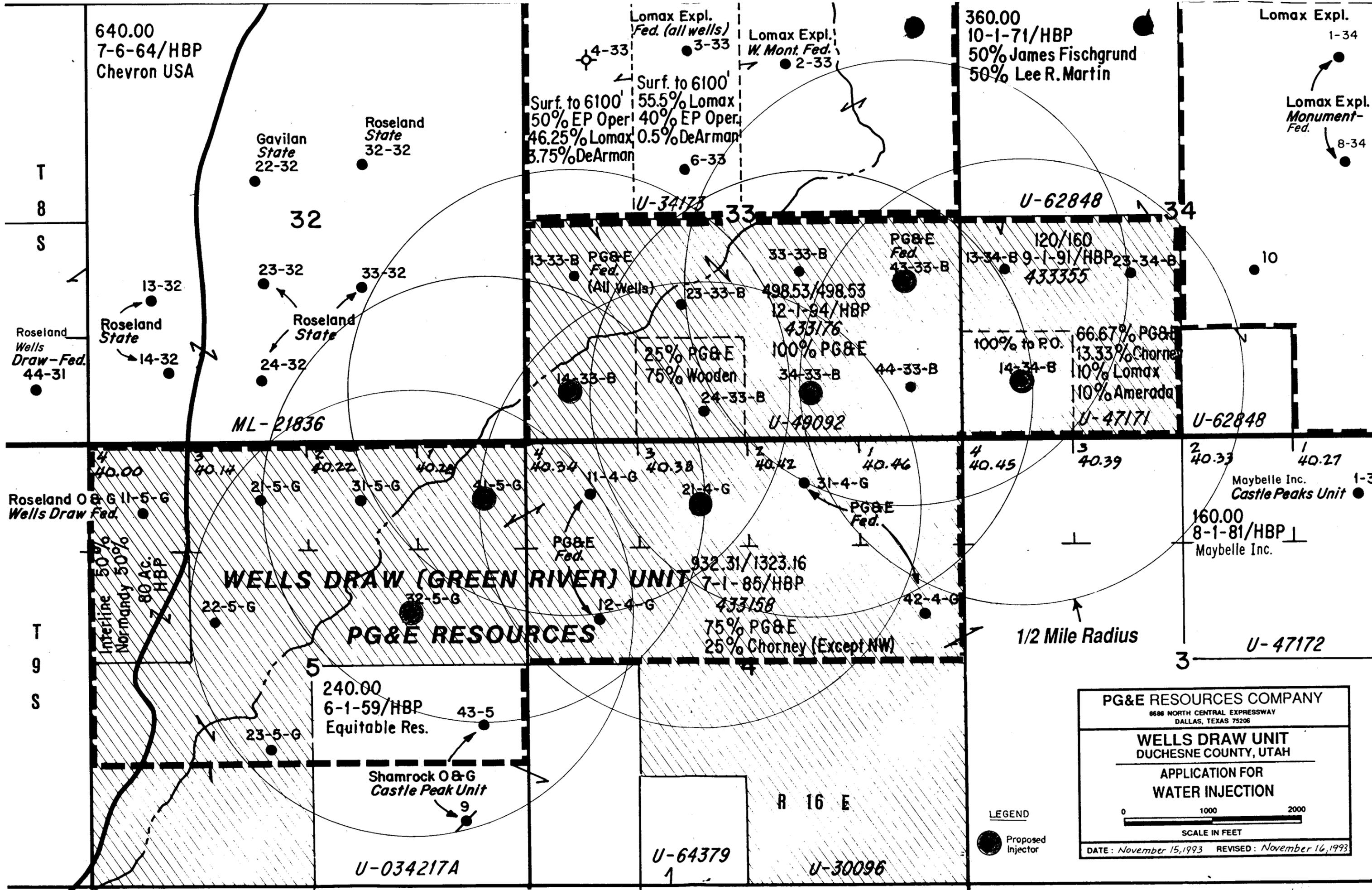


Compound	Equiv. Wt.	x	Meq/L	=	Mg/L
Ca (HCO ₃) ₂	81.04		8		648
Ca SO ₄	68.07				
Ca Cl ₂	55.50		38		2109
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62		14		667
Na HCO ₃	84.00				
Na SO ₄	71.03				
Na Cl	58.46		1823		106,573

Saturation Values	Distilled Water 20°C
Ca CO ₃	13 Mg/L
Ca SO ₄ · 2H ₂ O	2,090 Mg/L
Mg CO ₃	103 Mg/L

REMARKS Resistivity = .14 Ohms / meter

ELECTRIC LOG SECTIONS



640.00
7-6-64/HBP
Chevron USA

360.00
10-1-71/HBP
50% James Fischgrund
50% Lee R. Martin

Lomax Expl. Fed. (all wells) 3-33
Lomax Expl. W. Mont. Fed. 2-33
Surf. to 6100' 55.5% Lomax
50% EP Oper. 40% EP Oper.
46.25% Lomax 0.5% DeArman
3.75% DeArman 6-33

Lomax Expl. 1-34
Lomax Expl. Monument-Fed. 8-34

T
8
S

Roseland Wells Draw-Fed. 44-31

ML-21836

U-34175

U-62848

U-62848

Roseland O&G Wells Draw Fed.

WELLS DRAW (GREEN RIVER) UNIT

PG&E RESOURCES

Maybelle Inc. Castle Peaks Unit 1-3

160.00
8-1-81/HBP
Maybelle Inc.

932.31/1323.16
7-1-85/HBP
433158
75% PG&E
25% Chorney (Except NW)

1/2 Mile Radius

U-47172

240.00
6-1-59/HBP
Equitable Res.

Shamrock O&G Castle Peak Unit

R 16 E

U-034217A

U-64379

U-30096

LEGEND
Proposed Injector

PG&E RESOURCES COMPANY
6688 NORTH CENTRAL EXPRESSWAY
DALLAS, TEXAS 75206

WELLS DRAW UNIT
DUCHESE COUNTY, UTAH

APPLICATION FOR
WATER INJECTION

0 1000 2000
SCALE IN FEET

DATE: November 15, 1993 REVISED: November 16, 1993

WELL FILE



COMPENSATED
DENSITY DUAL
SPACED NEUTRON

COMPANY P G AND E RESOURCES	
COMPANY _____ WELL _____ FIELD _____ COUNTY _____ ST _____	WELL FEDERAL 43-33-B FIELD MONUMENT BUTTE COUNTY DUCHESNE STATE UT API NO. NA OTHER SERVICES LOCATION DLL/MGRD 1837 FSL AND 590 FEL SEC. 33 TWP 8S RGE 16E
PERMANENT DATUM GL ELEV. 5671 LOG MEASURED FROM KB 15 FT. ABOVE PERM. DATUM DRILLING MEASURED FROM KB	ELEV.: K.B. 5686 D.F. 5685 G.L. 5671
DATE	9/16/89
RUN NO.	ONE
DEPTH-DRILLER	6501
DEPTH-LOGGER	6501
BTM. LOG INTER.	6497
TOP LOG INTER.	CSG
CASING-DRILLER	9.625#309
CASING-LOGGER	308
BIT SIZE	7.875
TYPE FLUID IN HOLE	KCL WATER
DENS. VISC	8.4 127
PH FLUID LOSS	10.0 INC
SOURCE OF SAMPLE	FLOWLINE
RM • MEAS. TEMP.	0.30 • 73F
RMF • MEAS. TEMP.	0.30 • 73F
RMC • MEAS. TEMP.	NA • NA
SOURCE RMF RMC	MEAS MEAS
RM • BHT	0.13 • 167
TIME SINCE CIRC.	8 HRS
TIME ON BOTTOM	20:55
MAX. REC. TEMP.	167 • TD
EQUIP. LOCATION	51648 VERNL
RECORDED BY	R. FRIDAY
WITNESSED BY	S. MILLER

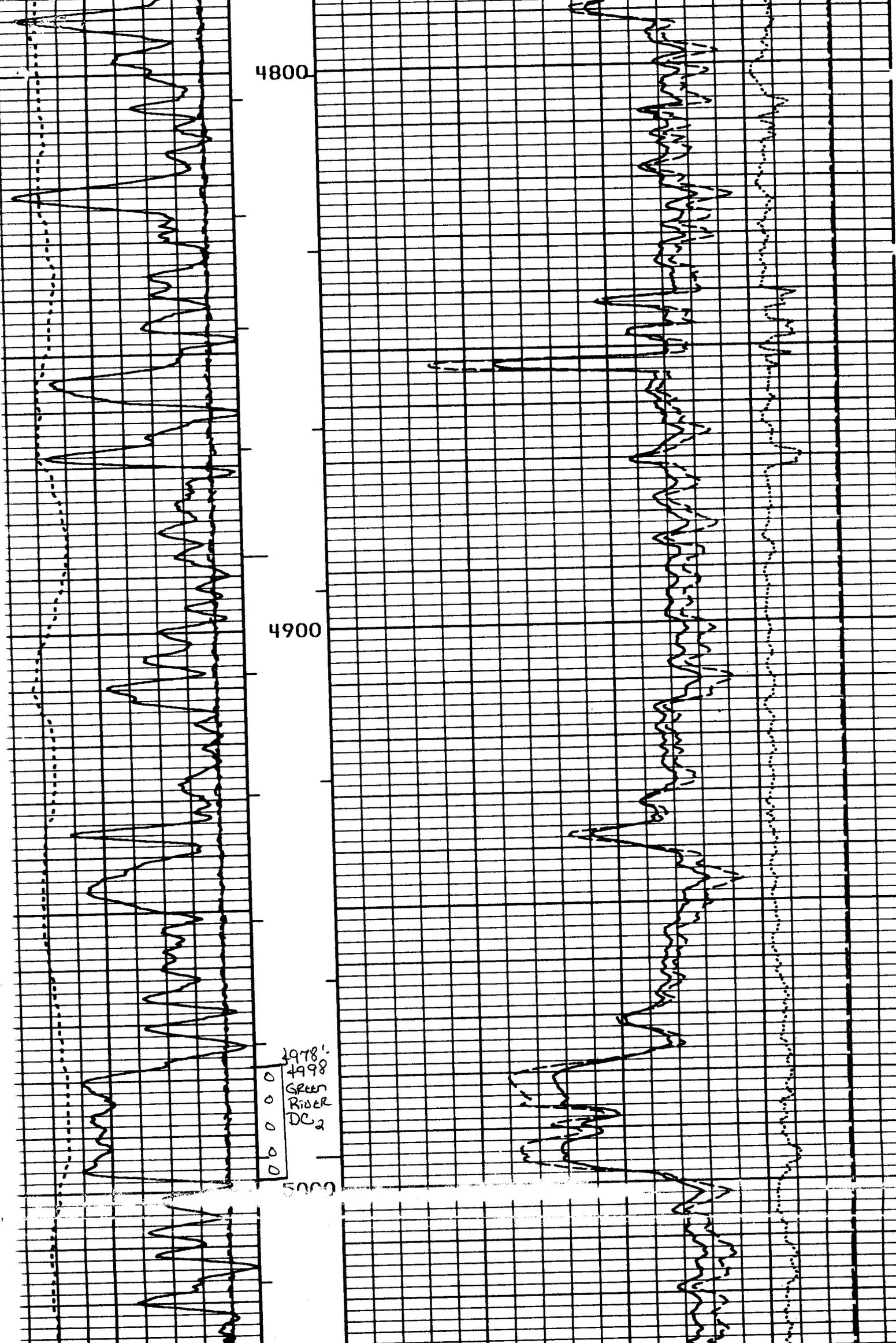
TIGHT
HOLE

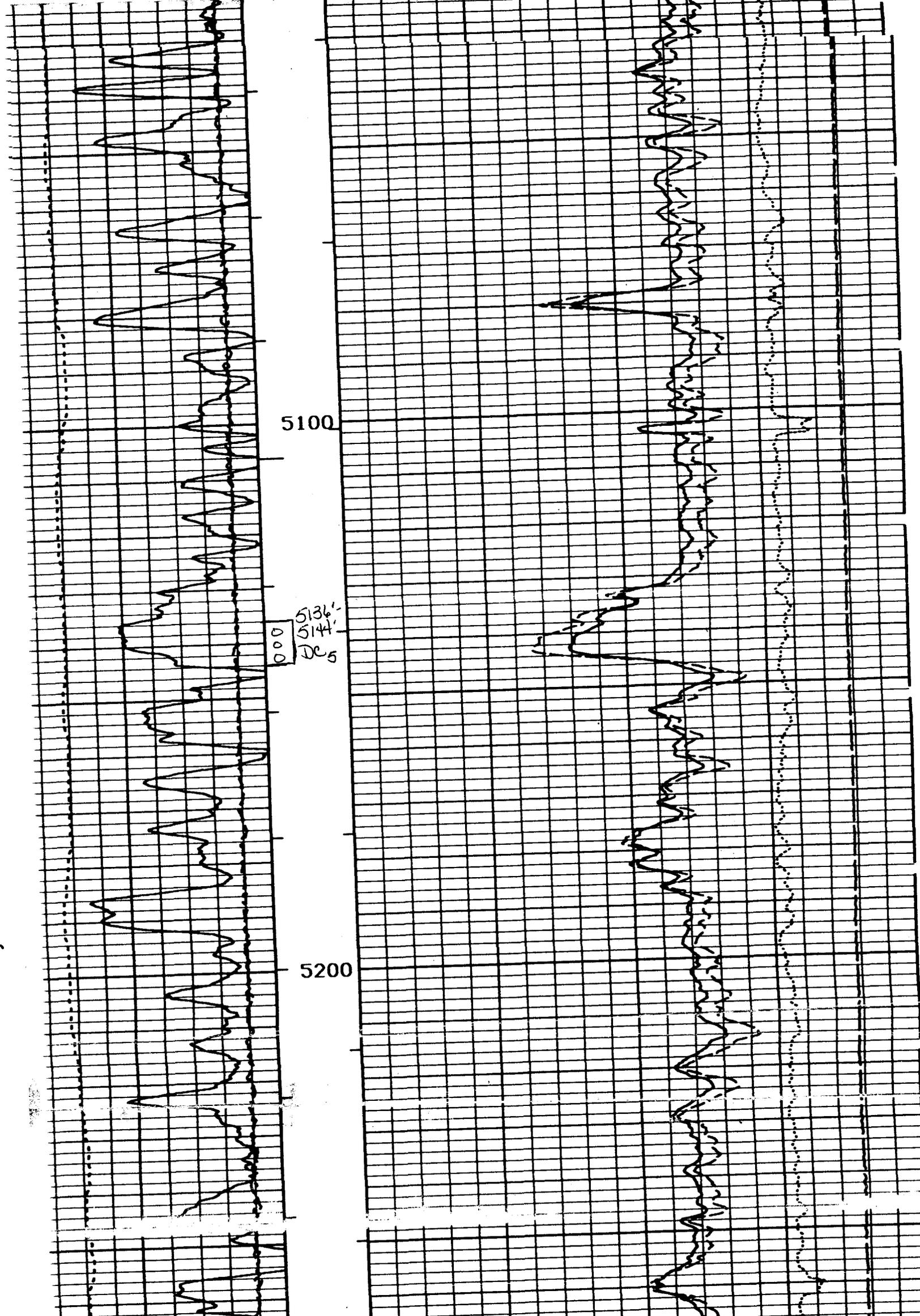
4800

4900

1978-
4998
GREEN
RIVER
DC₂

5000





5100

5136
5144
DC5

5200

5280'-
5288'
Lower
D

5300

5400

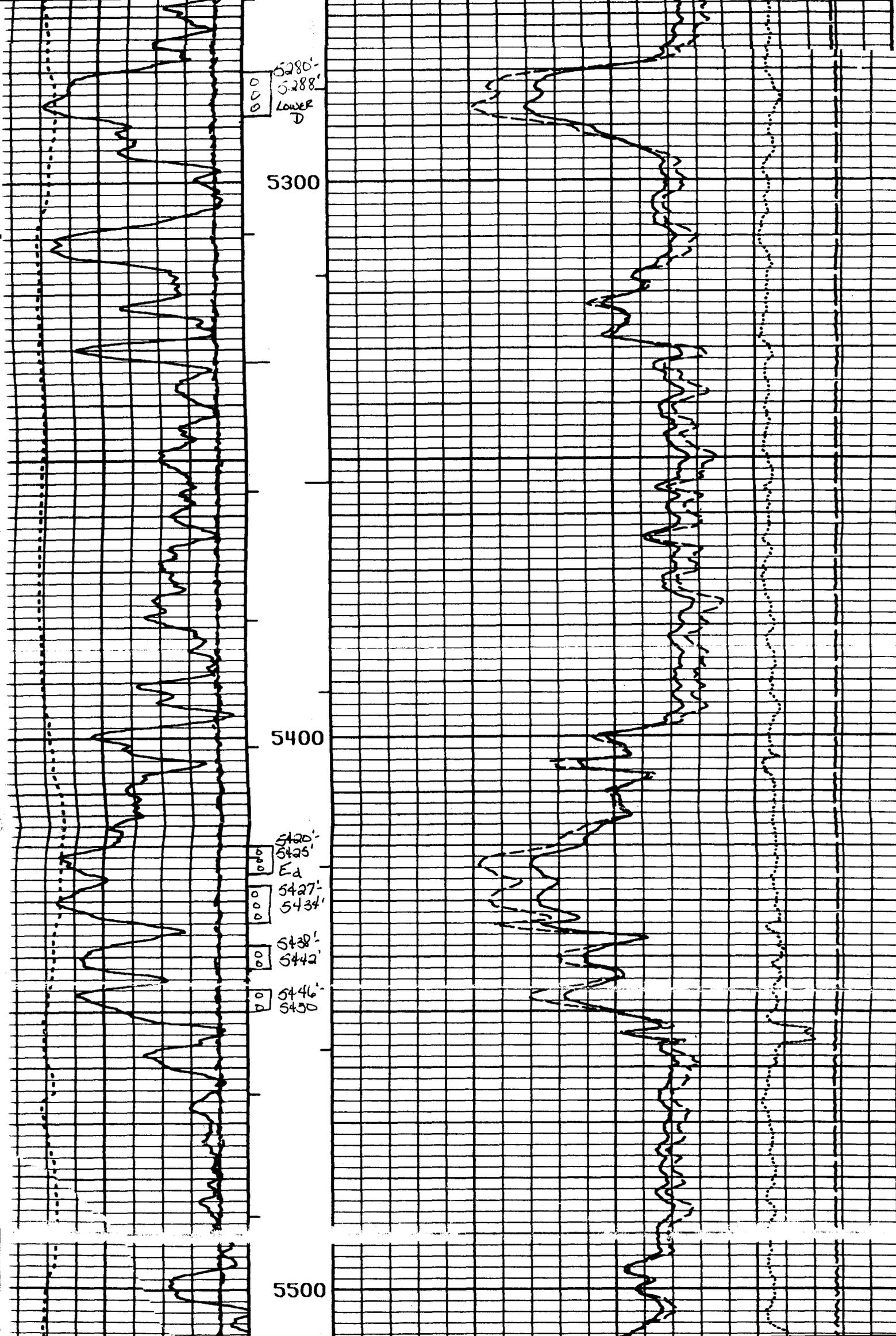
5420'-
5425'
E_d

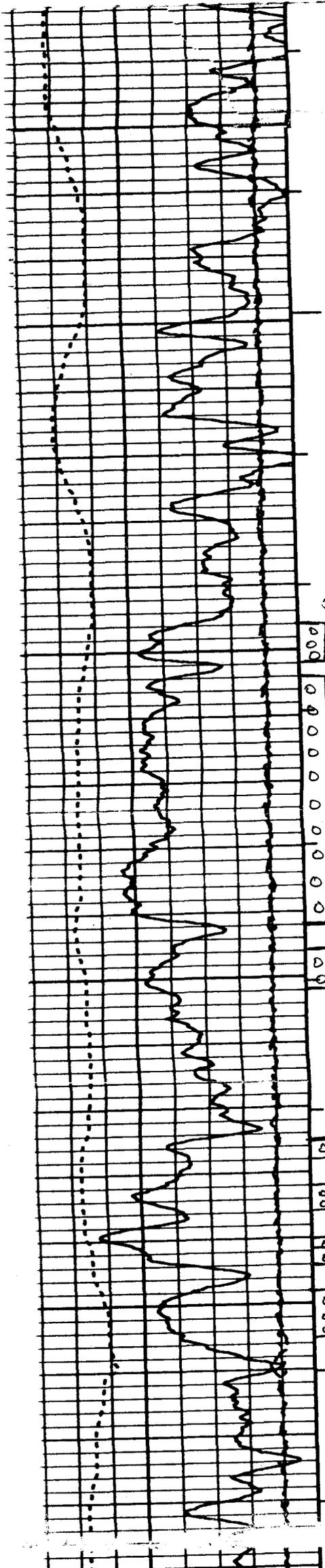
5427'-
5434'

5438'-
5442'

5446'-
5450'

5500





5596'
5600'
E
5600

5604'
5642

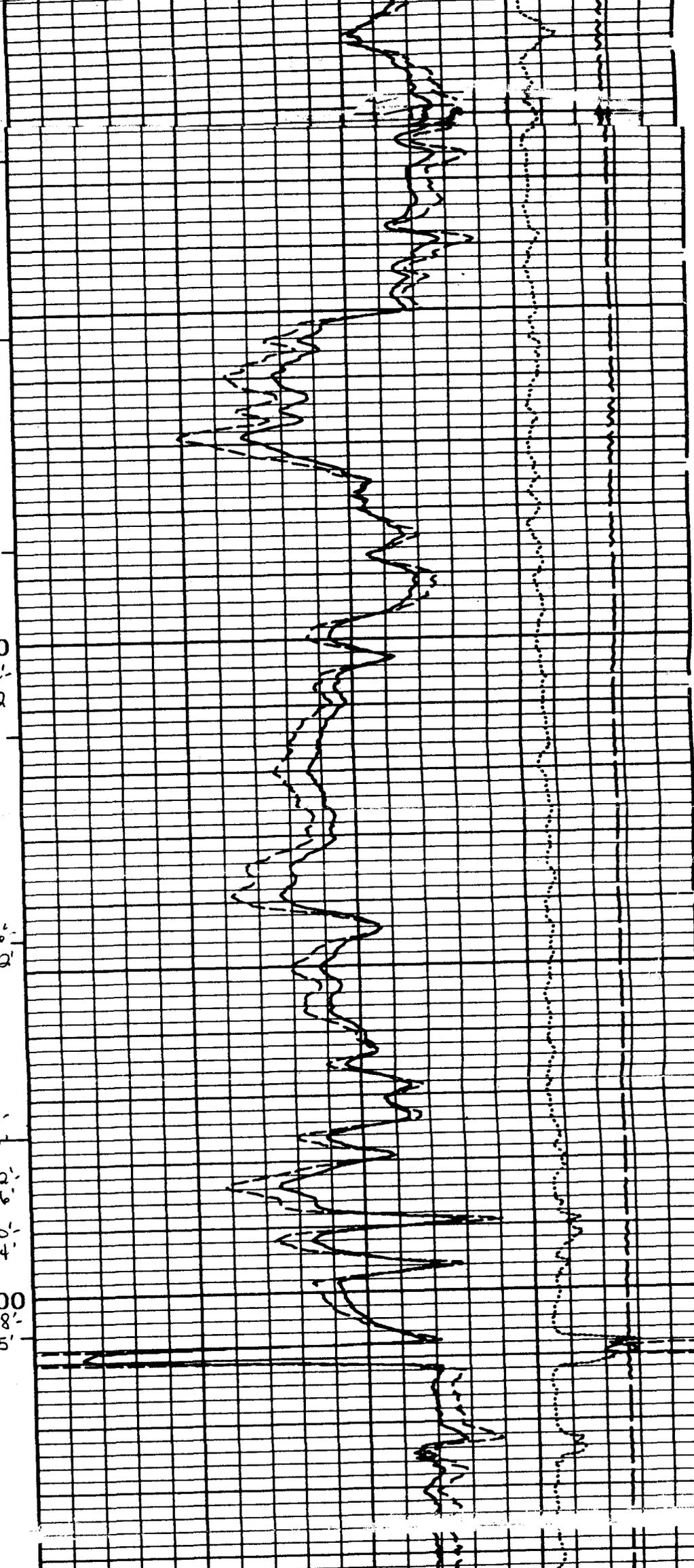
5646'
5652'

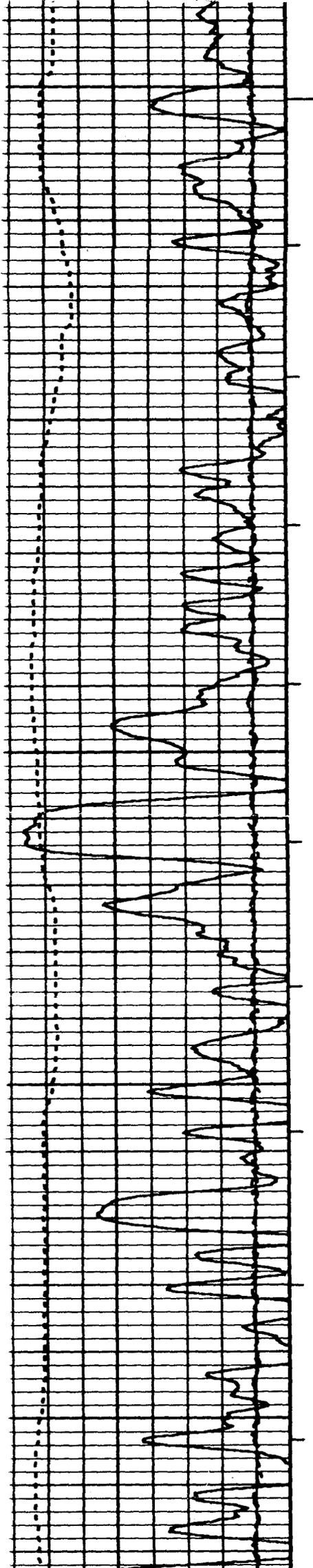
5675'
5678'

5682'
5686'

5690'
5694'

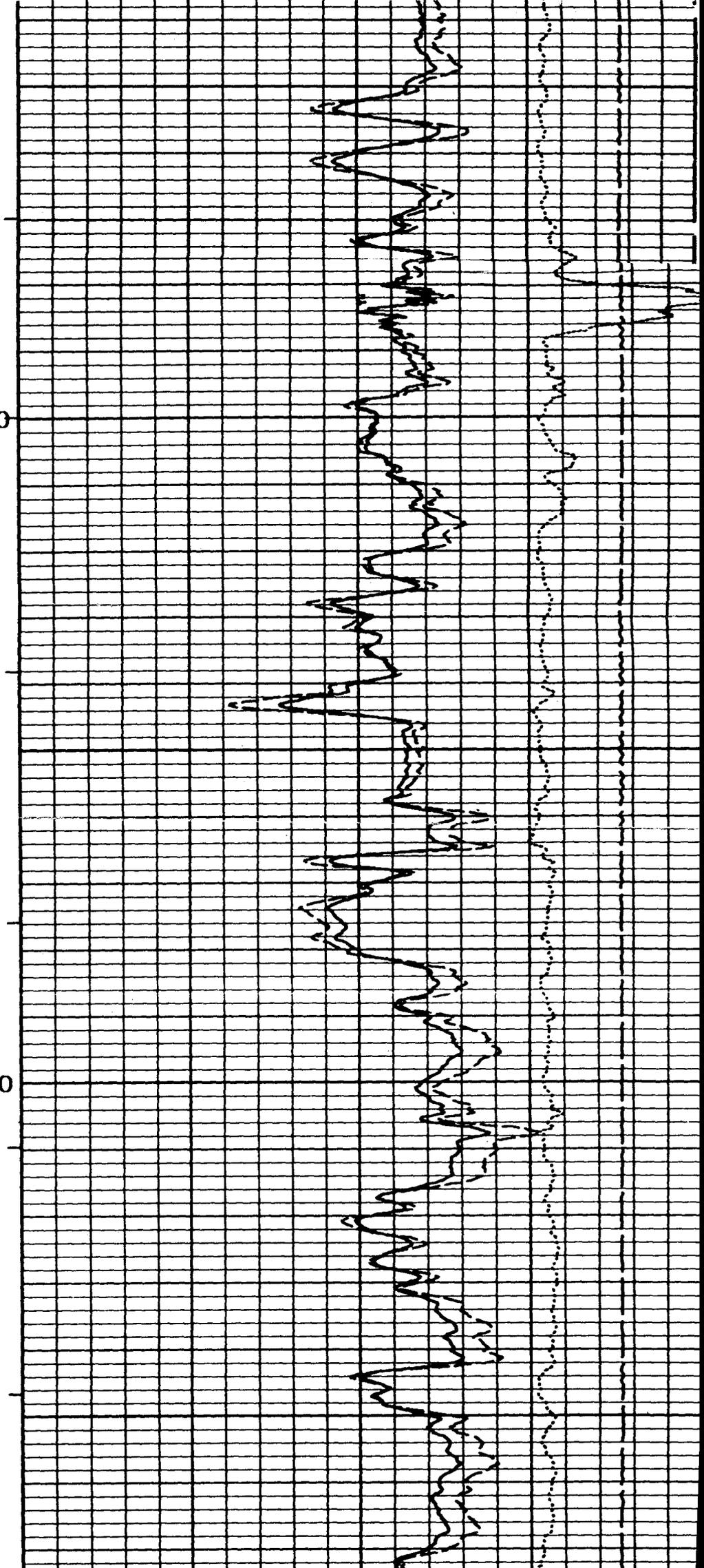
5700
5698'
5705'

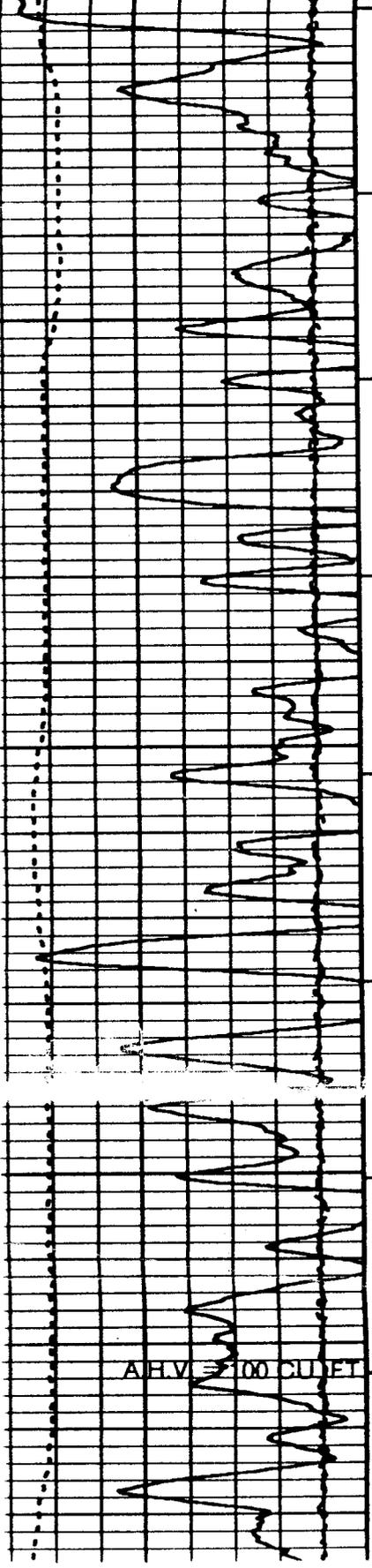




5800

5900

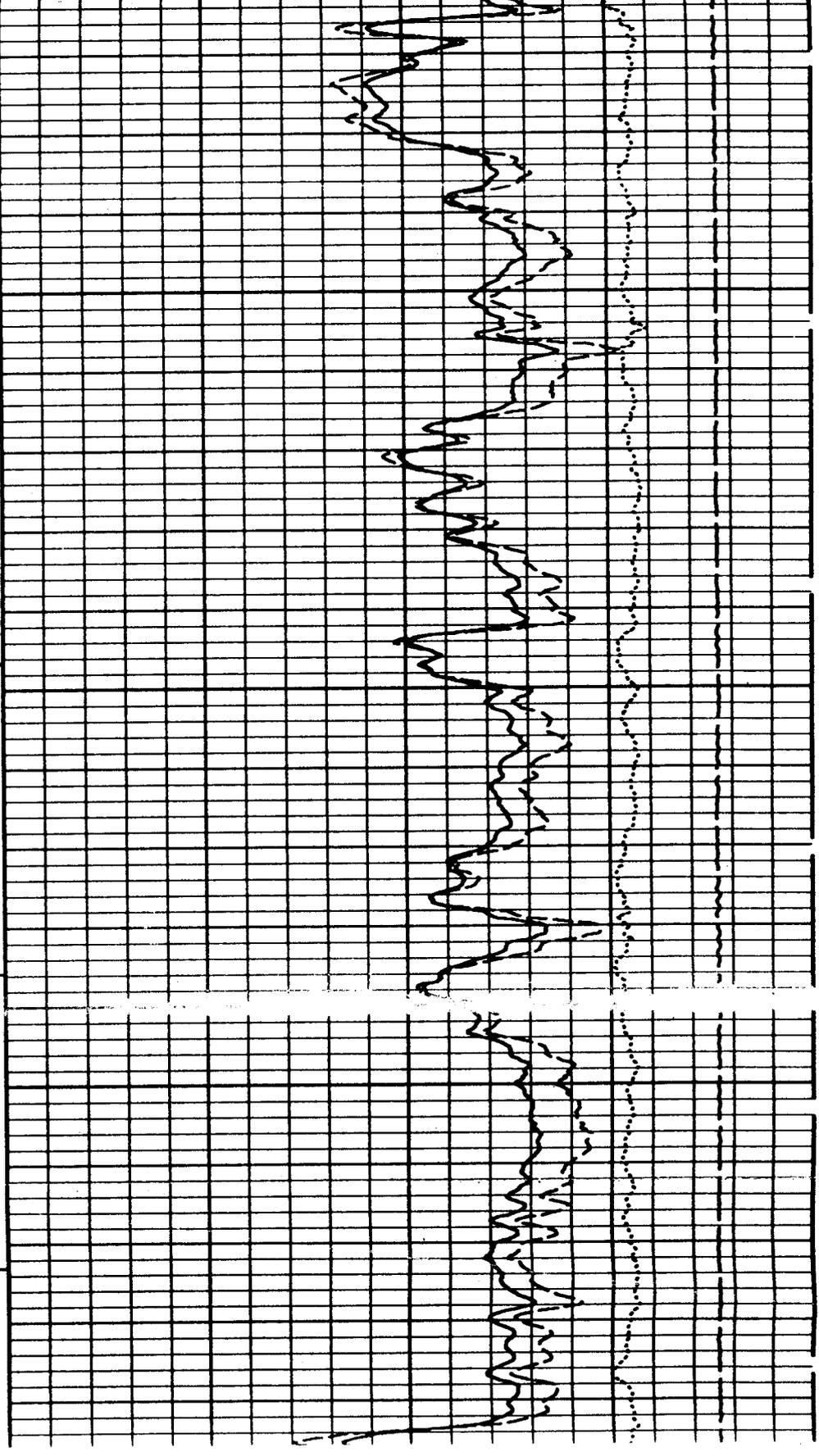




5900

6000

A.H.V. = 100 CUDET



November 24, 1993

State of Utah Dept. of Natural Resources
Division of Oil, Gas and Mining
Underground Injection Control Section
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

NOV 29 1993

Attention: Mr. Dan Jarvis

RE: Application for Water Injection
Wells Draw Waterflood Unit
Duchesne County, Utah

Dear Mr. Jarvis:

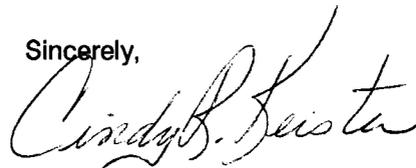
In reference to your telephone conversation with Jim LaFevers and myself on November 23, 1993, this letter represents an addendum to the referenced UIC application dated November 22, 1993.

1. Initially the water used for injection will be purchased from Balcron whose source is Johnson Water Company. When the waterflood is in full operation, produced water from PG&E's Wells Draw Unit Wells will be used for injection along with water purchased from Balcron.
2. Water samples will be taken and a water analysis along with a comparability analysis will be furnished.
3. Frac Gradient:

ISIP = 1200 psi
HHD = 5500' x .433 psi/ft. = 2382 psi
Frac Gradient = $\frac{1200\# + 2382\#}{5500'}$ = .65 psi/ft.
4. Electric log section on Federal 41-5G has been faxed to your office from our field office in Vernal, Utah this date.

If you have any questions or need additional information, please contact the undersigned at (214) 706-3640 or Jim LaFevers at (214) 750-3988.

Sincerely,



Cindy R. Keister
Sr. Regulatory Analyst

cc: S. Gilbert
J. LaFevers
Central File
Regulatory File



6688 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922
Telephone 214/750-3800
FAX 214/750-3883

November 30, 1993

State of Utah Dept. of Natural Resources
Division of Oil, Gas and Mining
Underground Injection Control Section
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203



Attention: Mr. Dan Jarvis

RE: Application for Water Injection
Wells Draw Waterflood Unit
Duchesne County, Utah

Dear Mr. Jarvis:

In reference to our telephone conversation on November 29, 1993, this letter represents the second addendum to the referenced UIC application dated November 22, 1993. We have researched our records and have determined that the frac gradient should be .82 psi/ft. in the Green River formation based on the following data:

1. Green River Wells - operated by PG&E Resources
 - a. ISIP 2300 psi
 - b. ISIP 2800 psi
 - c. ISIP 1722 psi
 - d. ISIP 1700 psi

2. Average ISIP 2131 psi

3. Frac Gradient:

$$\begin{aligned} \text{ISIP} &= 2131 \text{ psi} \\ \text{HHD} &= 5500' \times .432 \text{ psi/ft.} = 2382 \text{ psi} \\ \text{Frac Gradient} &= \frac{2131\# + 2382\#}{5500'} = .82 \text{ psi/ft.} \end{aligned}$$

If you have any questions or need additional information, please contact the undersigned at (214) 706-3640 or Jim LaFevers at (214) 750-3988.

Sincerely,

Cindy R. Keister
Sr. Regulatory Analyst

cc: S. Gilbert
J. LaFevers
Central File
Regulatory File

INJECTION WELL APPLICATION

REVIEW SUMMARY

Applicant: PGE Resources Wells: Fed. 41-5G, 14-33B, 34-33B
14-34B, 32-5G, 43-33B, 21-4G

Location: section 33, 34, 4, 5 township 8&9South range 16&17East

API #: _____ Well Type: disp. ___ enhanced recov. X

If enhanced recovery has project been approved by the Board ? No

Lease Type: Federal Surface Ownership: BLM

Field: Wells Draw Unit: Wells Draw Indian Country: No

UIC Form 1: Yes Plat: Yes Wells in AOR: 15 Producing

Logs Available: Yes Bond Log: Yes

Casing Program: Adequate (see decision document

Integrity Test: To be run at conversion

Injection Fluid: Fresh water from Balcron

Geologic Information: Green River-Douglas Creek injection interval

Analyses of Injection Fluid: No Formation Fluid: Yes Compat. No

Fracture Gradient Information: .82 psig/ft Parting Pressure
2145 psi

Affidavit of Notice to Owners: Yes

Fresh Water Aquifers in Area: no significant aquifers

Depth Base of Moderately Saline Water: 300 ft

Confining Interval: silts, shales and limes of Green River

Reviewer: D. Jarvis Date: 11-23, 30-93

Comments & Recommendation Application is technically complete, an

analysis of the fresh water and a compatibility test are needed and will be submitted. An MIT will be conducted at the time of conversion. A step rate test will be run when project is operational and the wells have stabilized. A maximum pressure of 2145 psi can be permitted until a step rate test is run.

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT
DECISION DOCUMENT**

Applicant: PG&E Resources **Location:** Wells Draw Waterflood Project

Wells: Federal 41-5G, 14-33B, 34-33B, 14-34B, 32-5G, 43-33B, 21-4G

Ownership Issues: The proposed project is located in sections 33 and 34, township 8 south, range 16 east, and sections 4 and 5 of township 9 south range 16 east Duchesne County, Utah. Surface ownership within the 1/2 mile area is held by the BLM and the State of Utah. All of the wells are located on Federal land. Mineral interests are held by private individuals, the State of Utah, and the federal government. PG&E Resources has submitted an affidavit stating that a copy of UIC form 1 was sent as notice to all surface owners and operators within a 1/2 mile radius of each of the proposed injection wells.

Well Integrity: The seven wells proposed for conversion to injection all have surface casing set at approximately 300 feet \pm 30 feet, and were all cemented to surface. Production casing was set at a depth of approximately 6000 feet - 6500 feet, and were all cemented above the injection zone. Cement bond logs are on file with the Division and verify reported cement tops. The interval from 4352-6282 feet (Green River Formation) has been perforated for water injection. A 2 7/8 inch tubing with a packer will be set above the perforations for injection of water. There are 15 producing wells in the 1/2 mile area of review. All wells in the AOR have sufficient cement behind the production string and have adequate surface casing to prevent migration of fluid up the hole. At the time of conversion the casing will be pressure tested. Casing/tubing annulus pressure will be monitored on a daily basis and reported on a monthly basis thereafter. Additional casing pressure tests shall be run every five years or whenever the tubing and packer assemblies are pulled for workover purposes.

Ground Water Protection: The base of moderately saline water in the area of the project is at a depth of approximately 200-300 feet. Each of the injection wells and offset producing wells have adequate surface casing and sufficient cement on the production casing to protect fresh water. The submitted fracture pressure for the field is .82 psi/ft resulting in a maximum allowed surface pressure of 2145 psi. Injection pressures for each of the injectors will be maintained below the fracture pressure so as not to initiate fractures in the overlying strata. The confining intervals above and below the injection zone consists of tight shales, siltstones and limestones of the Green River Formation. Water analysis indicate that the TDS of injection zone is greater than 10,000 TDS.

Oil/Gas & Other Mineral Resources Protection: PG&E Resources is in the process of forming a federal waterflood unit. All interested parties have been notified. The Division

does have concerns as to some of the intervals that are perforated for injection. In reviewing cross sections submitted by PGE it appears that a number of perforated intervals in the injection wells are not perforated in the offset producing wells. An additional concern is that offset acreage which may be laterally continuous with the flooded zones has been excluded from the project. These concerns need to be addressed when PGE presents information to the board.

Bonding: PG&E Resources is the operator of all wells within the project and is bonded by the Federal Government.

Actions Taken and Further Approvals Needed: A public notice needs to be published in both the Salt Lake Tribune and the Uinta Basin Standard. Board approval of the project needs to be obtained and BLM approval of the unit is needed. The applications for the injection wells are technically complete. A compatibility analysis needs to be submitted. A casing pressure test needs to be conducted when the well is converted and a casing/tubing pressure test run prior to injection. A step rate test should be run once the wells have injected and stabilized to verify fracture gradient information.

DJJ
Reviewers

11-30-93
Date

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

---ooOoo---

IN THE MATTER OF THE APPLICATION	:	NOTICE OF AGENCY ACTION
OF PG & E RESOURCES COMPANY FOR	:	
ADMINISTRATIVE APPROVAL OF THE	:	CAUSE NO. UIC-141
FEDERAL 41-5G, FEDERAL 14-33B,	:	
FEDERAL 34-33B, FEDERAL 14-34B,	:	
FEDERAL 32-5G, FEDERAL 43-33B,	:	
& FEDERAL 21-4G WELLS LOCATED IN	:	
SECTIONS 33 & 34, TOWNSHIP 8 SOUTH,	:	
RANGE 16 EAST, AND SECTIONS 4 & 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 is commencing an informal adjudicative proceeding to consider the application of PG & E Resources Company for administrative approval of the Federal 41-5G, Federal 14-33B, Federal 34-33B, Federal 14-34B, Federal 32-5G, Federal 43-33B, and Federal 21-4G Wells, located in Sections 33 & 34, Township 8 South, Range 16 East, and Sections 4 & 5, Township 9 South, Range 16 East, 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.

Approval has been requested to inject water for the purpose of water flooding in the interval from 4352 feet to 6282 feet (Green River Formation). The average injection pressure is estimated to be 2000 psig or less with a maximum requested injection pressure of 2145 psig. The estimated injection volume will be approximately 400 barrels of water per day.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing may 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 1st day of December, 1993.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



R.J. Firth
Associate Director, Oil and Gas

**PG & E Resources Company
Federal 41-5G, Federal 14-33B, Federal 34-33B,
Federal 14-34B, Federal 32-5G, Federal 43-33B, & Federal 21-4G Wells
Cause No. UIC-141**

Publication Notices were sent to the following:

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

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

PG & E Resources Company
6688 N. Central Expressway, #1000
Dallas, Texas 75206-3922

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



Lisa D. Clement
Administrative Secretary
December 2, 1993



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

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

December 2, 1993

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-141

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

Sincerely,

A handwritten signature in cursive script that reads "Lisa D. Clement".

Lisa D. Clement
Administrative Secretary

Enclosure
WO1168





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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

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

December 2, 1993

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Gentlemen:

Re: Notice of Agency Action - Cause No. UIC-141

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

Sincerely,

A handwritten signature in cursive script that reads "Lisa D. Clement".

Lisa D. Clement
Administrative Secretary

Enclosure
WOI168



November 30, 1993

State of Utah Dept. of Natural Resources
Division of Oil, Gas and Mining
Underground Injection Control Section
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. Dan Jarvis

RE: Application for Water Injection
Wells Draw Waterflood Unit
Duchesne County, Utah

Dear Mr. Jarvis:

In reference to our telephone conversation on November 29, 1993, this letter represents the second addendum to the referenced UIC application dated November 22, 1993. We have researched our records and have determined that the frac gradient should be .82 psi/ft. in the Green River formation based on the following data:

1. Green River Wells - operated by PG&E Resources
 - a. ISIP 2300 psi
 - b. ISIP 2800 psi
 - c. ISIP 1722 psi
 - d. ISIP 1700 psi
2. Average ISIP 2131 psi
3. Frac Gradient:

ISIP = 2131 psi
HHD = 5500' x .432 psi/ft. = 2382 psi
Frac Gradient = $\frac{2131\# + 2382\#}{5500'}$ = .82 psi/ft.

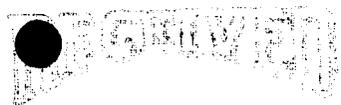
If you have any questions or need additional information, please contact the undersigned at (214) 706-3640 or Jim LaFevers at (214) 750-3988.

Sincerely,

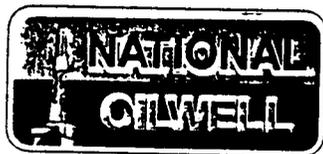


Cindy R. Keister
Sr. Regulatory Analyst

cc: S. Gilbert
J. LaFevers
Central File
Regulatory File



DEC 02 1993



DIVISION OF OIL, GAS & MINING

P.O. BOX 1532

ROOSEVELT, UTAH 84066

OFFICE: (801) 722-3693

WATER ANALYSIS REPORT

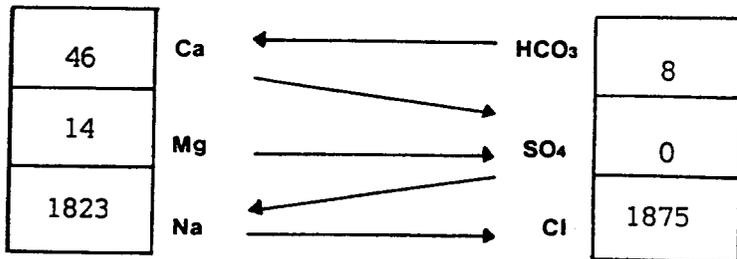
COMPANY P G & E ADDRESS _____ DATE: 12-01-89

SOURCE 14-34B DATE SAMPLED 11-30-89 ANALYSIS NO. _____

Analysis	Mg/L (ppm)	*Meq/L
1. pH	<u>6.4</u>	
2. H ₂ S (Qualitative)	<u>0</u>	
3. Specific Gravity	<u>1.076</u>	
4. Dissolved Solids	<u>110,035</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count	<u>CI</u>	<u>C/MI</u>
7. (Methyl Orange) Alkalinty (HCO ₃)	<u>380</u>	
8. Bicarbonate (HCO ₃)	HCO ₃ <u>464</u>	+61 <u>8</u> HCO ₃
9. Chlorides (Cl)	Cl <u>66,552</u>	+35.5 <u>1875</u> Cl
10. Sulfates (SO ₄)	SO ₄ <u>0</u>	+48 <u>0</u> SO ₄
11. Calcium (Ca)	Ca <u>920</u>	+20 <u>46</u> Ca
12. Magnesium (Mg)	Mg <u>170</u>	+12.2 <u>14</u> Mg
13. Total Hardness (CaCO ₃)	<u>3000</u>	
14. Total Iron (Fe)	<u>120</u>	
15. Barium (Ba)		
16. Phosphate Residuals		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Saturation Values

Distilled Water 20°C

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

Compound	Equiv. Wt.	X	Meq/L	=	Mg/L
Ca (HCO ₃) ₂	81.04		8		648
Ca SO ₄	68.07				
Ca Cl ₂	55.50		38		2109
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62		14		667
Na HCO ₃	84.00				
Na SO ₄	71.03				
Na Cl	58.46		1823		106,573

REMARKS Resistivity = .14 Ohms / meter



A Procter & Gamble Co.

RECEIVED

DEC 02 1993

P.O. BOX 1898
CORNICANA, TX. 75151

OFFICE:
TEL: 214/872-3011
FAX: 214/872-4216

PLANT:
TEL: 214/874-9500
FAX: 214/874-9596

DIVISION OF
OIL, GAS & MINING

WATER ANALYSIS REPORT

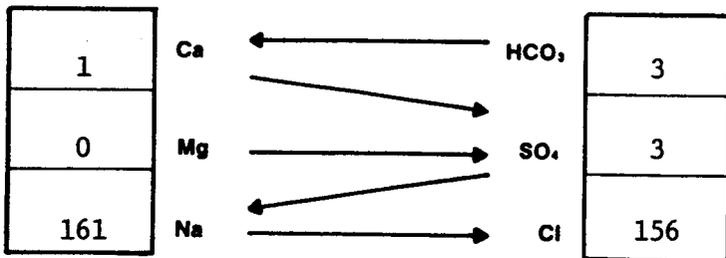
COMPANY P.G. & E. ADDRESS Vernal, UT. DATE: 10-31-90

SOURCE 21-4 DATE SAMPLED _____ ANALYSIS NO. _____

Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>8.0</u>	
2. H ₂ S (Qualitative)	<u>.5</u>	
3. Specific Gravity	<u>1.014</u>	
4. Dissolved Solids	<u>9,618</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count		<u>C/MI</u>
7. Methyl Orange Alkalinity (CaCO ₃)		
8. Bicarbonate (HCO ₃)	HCO ₃ <u>207</u>	<u>+61</u> <u>3</u> HCO ₃
9. Chlorides (Cl)	Cl <u>5,529</u>	<u>+35.5</u> <u>156</u> Cl
10. Sulfates (SO ₄)	SO ₄ <u>150</u>	<u>+48</u> <u>3</u> SO ₄
11. Calcium (Ca)	Ca <u>24</u>	<u>+20</u> <u>1</u> Ca
12. Magnesium (Mg)	Mg <u>5</u>	<u>+12.2</u> <u>0</u> Mg
13. Total Hardness (CaCO ₃)	<u>80</u>	
14. Total Iron (Fe)	<u>2.6</u>	
15. Barium (Qualitative)		
16. Phosphate Residuals		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>1</u>		<u>81</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>2</u>		<u>168</u>
Na ₂ SO ₄	71.03		<u>3</u>		<u>243</u>
Na Cl	58.46		<u>156</u>		<u>9,120</u>

Saturation Values	Distilled Water 20°C
Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

REMARKS _____



**Jetco
Chemicals,
Inc.**

DEC 02 1993

DIVISION OF

A Procter & Gamble Co.

P.O. BOX 1898

OFFICE: 214/872-3011

CORSICANA, TEXAS 75110

PLANT: 214/874-3706

(U.S.): 800/527-2510

TWX: 910/860-5100

(TX.) 800/442-6261

WATER ANALYSIS REPORT

COMPANY N.G.C. Corp. ADDRESS Vernal, UT 84078 DATE: 1-22-88

SOURCE 32-5G DATE SAMPLED 1-20-88 ANALYSIS NO. _____

Analysis	Mg/l (ppm)	*Meq/l
1. pH	<u>8.8</u>	
2. H ₂ S (Qualitative)	<u>0</u>	
3. Specific Gravity	<u>1.007</u>	
4. Dissolved Solids	<u>13,932</u>	
5. Suspended Solids	_____	
6. Anaerobic Bacterial Count	_____	C/MI
7. (Phenolphthalein) Alkalinity (CO ₃)	_____	
8. (Methyl Orange) Alkalinity (HCO ₃)	<u>350</u>	
9. Bicarbonate (HCO ₃)	<u>427</u>	+61 <u>7</u> HCO ₃
10. Sulfates (SO ₄)	<u>0</u>	+48 <u>0</u> Cl
11. Chlorides (Cl)	<u>8,142</u>	+35.5 <u>229</u> SO ₄
12. Calcium (Ca)	<u>2</u>	+20 <u>0</u> Ca
13. Magnesium (Mg)	<u>71</u>	+12.2 <u>6</u> Mg
14. Total Hardness (CaCO ₃)	<u>300</u>	
15. Total Iron (Fe)	<u>12</u>	
16. Barium (Ba)	_____	
17. Phosphate Residuals	_____	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

0	Ca	←	HCO ₃	7	Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
0	Mg	→	SO ₄	0	Ca (HCO ₃) ₂	81.04	_____	_____	_____	_____
236	Na	←	Cl	229	Ca SO ₄	68.07	_____	_____	_____	_____
		→			Ca Cl ₂	55.50	_____	_____	_____	_____
		→			Mg (HCO ₃) ₂	73.17	_____	6	_____	439
		→			Mg SO ₄	60.19	_____	_____	_____	_____
		→			Mg Cl ₂	47.62	_____	_____	_____	_____
		→			Na HCO ₃	84.00	_____	1	_____	84
		→			Na SO ₄	71.03	_____	0	_____	_____
		→			Na Cl	58.46	_____	229	_____	13,387

Saturation Values

Distilled Water 20°C

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

REMARKS _____



A Procter & Gamble Co.

DEC 02 1993

P.O. BOX 1898
CORNICANA, TX. 75151

OFFICE:
TEL: 214/872-3011
FAX: 214/872-4216

PLANT:
TEL: 214/874-9500
FAX: 214/874-9596

DIVISION OF
OIL, GAS & MINING

WATER ANALYSIS REPORT

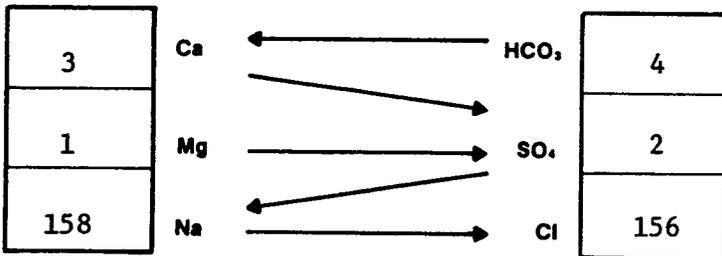
COMPANY P.G. & E. ADDRESS Vernal, UT. DATE: 10-31-90

SOURCE 34-33 DATE SAMPLED _____ ANALYSIS NO. _____

Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>7.7</u>	
2. H ₂ S (Qualitative)	<u>4.5</u>	
3. Specific Gravity	<u>1.015</u>	
4. Dissolved Solids	<u>9,559</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count		<u>_____ C/MI</u>
7. Methyl Orange Alkalinity (CaCO ₃)		<u>_____</u>
8. Bicarbonate (HCO ₃)	HCO ₃ <u>220</u>	<u>÷61</u> <u>4</u> HCO ₃
9. Chlorides (Cl)	Cl <u>5,529</u>	<u>÷35.5</u> <u>156</u> Cl
10. Sulfates (SO ₄)	SO ₄ <u>100</u>	<u>÷48</u> <u>2</u> SO ₄
11. Calcium (Ca)	Ca <u>64</u>	<u>÷20</u> <u>3</u> Ca
12. Magnesium (Mg)	Mg <u>12</u>	<u>÷12.2</u> <u>1</u> Mg
13. Total Hardness (CaCO ₃)	<u>220</u>	
14. Total Iron (Fe)	<u>.4</u>	
15. Barium (Qualitative)		
16. Phosphate Residuals		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>3</u>		<u>243</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>1</u>		<u>73</u>
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03		<u>2</u>		<u>142</u>
Na Cl	58.46		<u>156</u>		<u>9,120</u>

Saturation Values	Distilled Water 20°C
Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

REMARKS _____



**Jetco
Chemicals,
Inc.**

DEC 02 1993

DIVISION OF

A Procter & Gamble Co.

OIL, GAS & CHEMICALS

P.O. BOX 1898

CORSICANA, TEXAS 75110

PLANT: 214/874-3706

TWX: 910/860-5100

(U.S.): 800/527-2510

(TX.) 800/442-6261

WATER ANALYSIS REPORT

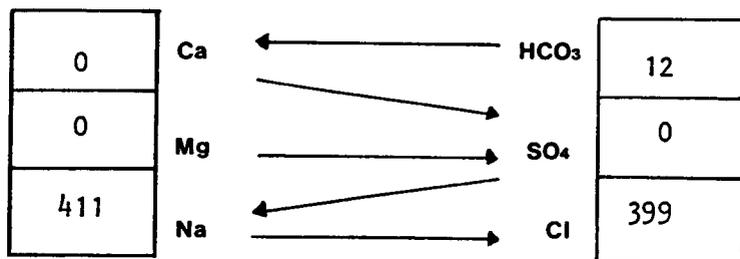
COMPANY NGC ADDRESS Vernal, Utah DATE: 10-21-88

SOURCE 41-5G (Treater) DATE SAMPLED 10-20-88 ANALYSIS NO. _____

Analysis	Mg/l (ppm)	*Meq/l
1. pH	<u>8.2</u>	
2. H ₂ S (Qualitative)	<u>.5</u>	
3. Specific Gravity	<u>1.016</u>	
4. Dissolved Solids	<u>24,348</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count	<u>Cl</u>	<u>C/MI</u>
7. (Phenolphthalein) Alkalinity (CO ₃)		
8. (Methyl Orange) Alkalinity (HCO ₃)	<u>600</u>	
9. Bicarbonate (HCO ₃)	HCO ₃ <u>732</u>	+61 <u>12</u> HCO ₃
10. Sulfates (SO ₄)	SO ₄ <u>0</u>	+48 <u>0</u> Cl
11. Chlorides (Cl)	Cl <u>14,160</u>	+35.5 <u>399</u> SO ₄
12. Calcium (Ca)	Ca <u>2</u>	+20 <u>0</u> Ca
13. Magnesium (Mg)	Mg <u>1</u>	+12.2 <u>0</u> Mg
14. Total Hardness (CaCO ₃)	<u>11</u>	
15. Total Iron (Fe)	<u>.7</u>	
16. Barium (Ba)		
17. Phosphate Residuals		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04				
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		12		1,008
Na SO ₄	71.03		0		0
Na Cl	58.46		399		23,326

Saturation Values

Ca CO₃

Distilled Water 20°C

13Mg/l

Ca SO₄ · 2H₂O

2,090 Mg/l

Mg CO₃

103 Mg/l

REMARKS OIL ANALYSIS: Spec. Gravity = .8867 / API @60°F = 22.5 / Pour Point = 87°F

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84111
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation

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DIV OF OIL, GAS & MINING 355 W NO TEMPLE, #350 SALT LAKE CITY, UT 84180	LE-5385340	12/09/93
FOR BILLING INFORMATION CALL (801) 237-2822		

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTION CAUSE NO. UIC-141 BEFORE DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON DEC 09 1993

SIGNATURE _____

DATE 12/09/93

RECEIVED
DEC 10 1993
AGENCY

DEC 15 1993
DIVISION OF OIL, GAS & MINING

NOTICE OF AGENCY ACTION CAUSE NO. UIC-141 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH
IN THE MATTER OF THE APPLICATION OF PG & E RESOURCES COMPANY FOR ADMINISTRATIVE APPROVAL OF THE FEDERAL 34-5G FEDERAL 34-5S FEDERAL 34-5T FEDERAL 34-5U FEDERAL 34-5V FEDERAL 34-5W FEDERAL 34-5X FEDERAL 34-5Y FEDERAL 34-5Z FEDERAL 34-5AA FEDERAL 34-5AB FEDERAL 34-5AC FEDERAL 34-5AD FEDERAL 34-5AE FEDERAL 34-5AF FEDERAL 34-5AG FEDERAL 34-5AH FEDERAL 34-5AI FEDERAL 34-5AJ FEDERAL 34-5AK FEDERAL 34-5AL FEDERAL 34-5AM FEDERAL 34-5AN FEDERAL 34-5AO FEDERAL 34-5AP FEDERAL 34-5AQ FEDERAL 34-5AR FEDERAL 34-5AS FEDERAL 34-5AT FEDERAL 34-5AU FEDERAL 34-5AV FEDERAL 34-5AW FEDERAL 34-5AX FEDERAL 34-5AY FEDERAL 34-5AZ FEDERAL 34-5BA FEDERAL 34-5BB FEDERAL 34-5BC FEDERAL 34-5BD FEDERAL 34-5BE FEDERAL 34-5BF FEDERAL 34-5BG FEDERAL 34-5BH FEDERAL 34-5BI FEDERAL 34-5BJ FEDERAL 34-5BK FEDERAL 34-5BL FEDERAL 34-5BM FEDERAL 34-5BN FEDERAL 34-5BO FEDERAL 34-5BP FEDERAL 34-5BQ FEDERAL 34-5BR FEDERAL 34-5BS FEDERAL 34-5BT FEDERAL 34-5BU FEDERAL 34-5BV FEDERAL 34-5BW FEDERAL 34-5BX FEDERAL 34-5BY FEDERAL 34-5BZ FEDERAL 34-5CA FEDERAL 34-5CB FEDERAL 34-5CC FEDERAL 34-5CD FEDERAL 34-5CE FEDERAL 34-5CF FEDERAL 34-5CG FEDERAL 34-5CH FEDERAL 34-5CI FEDERAL 34-5CJ FEDERAL 34-5CK FEDERAL 34-5CL FEDERAL 34-5CM FEDERAL 34-5CN FEDERAL 34-5CO FEDERAL 34-5CP FEDERAL 34-5CQ FEDERAL 34-5CR FEDERAL 34-5CS FEDERAL 34-5CT FEDERAL 34-5CU FEDERAL 34-5CV FEDERAL 34-5CW FEDERAL 34-5CX FEDERAL 34-5CY FEDERAL 34-5CZ FEDERAL 34-5DA FEDERAL 34-5DB FEDERAL 34-5DC FEDERAL 34-5DD FEDERAL 34-5DE FEDERAL 34-5DF FEDERAL 34-5DG FEDERAL 34-5DH FEDERAL 34-5DI FEDERAL 34-5DJ FEDERAL 34-5DK FEDERAL 34-5DL FEDERAL 34-5DM FEDERAL 34-5DN FEDERAL 34-5DO FEDERAL 34-5DP FEDERAL 34-5DQ FEDERAL 34-5DR FEDERAL 34-5DS FEDERAL 34-5DT FEDERAL 34-5DU FEDERAL 34-5DV FEDERAL 34-5DW FEDERAL 34-5DX FEDERAL 34-5DY FEDERAL 34-5DZ FEDERAL 34-5EA FEDERAL 34-5EB FEDERAL 34-5EC FEDERAL 34-5ED FEDERAL 34-5EE FEDERAL 34-5EF FEDERAL 34-5EG FEDERAL 34-5EH FEDERAL 34-5EI FEDERAL 34-5EJ FEDERAL 34-5EK FEDERAL 34-5EL FEDERAL 34-5EM FEDERAL 34-5EN 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ACCOUNT NAME		TELEPHONE	
DIV OF OIL, GAS & MINING		801-538-5340	
SCHEDULE		AD NUMBER	
DEC 09 1993		C6710110	
DUST. REF. NO.	CAPTION		MISC. CHARGES
#UIC-141	NOTICE OF AGENCY ACTION CAUSE NO. UIC-141 BEFORE		.00
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DIV OF OIL, GAS & MINING
355 W NO TEMPLE, #350
SALT LAKE CITY, UT 84180

COPY

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DATED this 1st day of December, 1993
STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
/s/ R. J. Firth



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

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

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

January 31, 1994

PG & E Resources Company
6688 N. Central Expressway, Suite 1000
Dallas, Texas 75206-3922

Re: Wells Draw Unit 41-5G, 14-33B, 34-33B, 14-34B, 32-5G, 43-33B, and 21-4G
Wells, Sections 33 & 34, Township 8 South, Range 16 East, and Sections 4 &
5, Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

In accordance with Utah Admin. Code R.649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells.

The following stipulations shall apply for compliance with this approval:

1. Full compliance with all applicable requirements regarding operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R.649-1 et seq.
2. Conformance with all conditions and requirements of the completed applications submitted.

Following completion of all well conversion work, pressure testing operations and submittal of the results to the Division; a final UIC permit will be issued. If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,


R.J. Firth
Associate Director

ldc

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management

W602



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)
✓ FEDERAL 41-5-G 4301331205 10859 09S 16E 5	GRRV			✓ 430096	(wells draw GRRV Unit)	
✓ FEDERAL 23-9-H 4301331206 10868 09S 17E 9	GRRV			✓ 450750		
✓ FEDERAL 24-33-B 4301331214 10913 08S 16E 33	GRRV			✓ 449092	(wells draw GRRV Unit)	
✓ FEDERAL 31-4-G 4301331228 10979 09S 16E 4	GRRV			✓ 430096	(wells draw GRRV Unit)	
✓ FEDERAL 14-34-B 4301331225 10980 08S 16E 34	GRRV			✓ 447171	(wells draw GRRV Unit)	
✓ FEDERAL 14-33-B 4301331229 10988 08S 16E 33	GRRV			✓ 449092	(wells draw GRRV Unit)	
FEDERAL 13-33-B 4301331240 11007 08S 16E 33	GRRV			✓ "	(wells draw GRRV Unit)	
✓ FEDERAL 23-34-B 4301331241 11041 08S 16E 34	GRRV			✓ 447171	(wells draw GRRV Unit)	
✓ FEDERAL 11-4-G 4301331250 11046 09S 16E 4	GRRV			✓ 430096	(wells draw GRRV Unit)	
✓ FEDERAL 23-33-B 4301331251 11047 08S 16E 33	GRRV			✓ 449092	(wells draw GRRV Unit)	
✓ FEDERAL 31-5-G 4301331252 11054 09S 16E 5	GRRV			✓ 430096	(wells draw GRRV Unit)	
✓ FEDERAL 34-33-B 4301331269 11079 08S 16E 33	GRRV			✓ 449092	(wells draw GRRV Unit)	
✓ FEDERAL 44-33-B 4301331270 11084 08S 16E 33	GRRV			✓ "	(wells draw GRRV Unit)	
TOTALS						

COMMENTS: _____

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

Name and Signature: _____ Telephone Number: _____

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

UTAH WELLS

OCT 1 1994

8/24/94

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.




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

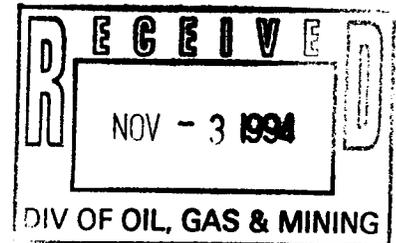
DALEN Resources
Oil & Gas Co.



October 31, 1994

Kent E. Johnson
Vice President
Exploration/Development

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



Re: Name Change
PG&E Resources Company

Gentlemen:

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

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

Very truly yours,

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

John R. Wingert
Exploration Manager
Northern Division

JRW:lkd

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

3100
U-01470A
(UT-923)

NOV 29 1994

CERTIFIED MAIL---Return Receipt Requested

DECISION

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

Corporate Name Change Recognized

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

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

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

/s/ ROBERT LOPEZ

Chief, Minerals
Adjudication Section

Enclosure
Exhibit

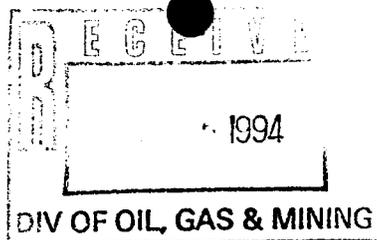
bc: Moab District Office w/encl.
Vernal District Office w/encl.
MMS-Data Management Division, Denv
UT-922 (Teresa Thompson) w/encl.

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

List of Leases Affected

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

U-034217A x confirmed BLM/SL
11-29-94. Jc



TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Federal #43-33B
Field or Unit name: Monument Butte Field API no. 43-013-31240
Well location: QQ NE SE section 33 township 8S range 16E county Duchesne
Effective Date of Transfer: 10/1/94

CURRENT OPERATOR

Transfer approved by:

Name Jim Johnson Company PG&E Resources Company
Signature *Jim Johnson* Address 6688 N. Central Expy, Suite 1000
Title Regulatory Analyst Dallas, Texas 75206-3922
Date November 30, 1994 Phone (214) 706-3678

Comments: PG&E Resources Company changed its name to DALEN Resources Oil & Gas Co. effective 10/1/94.

NEW OPERATOR

Transfer approved by:

Name Jim Johnson Company DALEN Resources Oil & Gas Co.
Signature *Jim Johnson* Address 6688 N. Central Expy, Suite 1000
Title Regulatory Analyst Dallas, Texas 75206-3922
Date November 30, 1994 Phone (214) 706-3678

Comments:

(State use only)
Transfer approved by *[Signature]* Title *Environ. Manager*
Approval Date *12-6-94* *Conversion Letter 1-31-94*

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	SEC/GIL	✓
2	LWP 7-PL	✓
3	DP 28-SJ	✓
4	VLC 9-PTRE	✓
5	RJF	✓
6	LWP	✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (~~well sold~~) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-1-94)

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

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

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

Name: **SEE ATTACHED**	API: <u>01331240</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

- See 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)*
- See 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)*
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes) (no) ____ If yes, show company file number: # FN001519. "Dalen Resources Corp." eff. 6-15-94.
- See 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.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(11-29-94)*
- See 6. Cardex file has been updated for each well listed above. *12-7-94*
- See 7. Well file labels have been updated for each well listed above. *12-8-94*
- See 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)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

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

- Yes* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new ^{*Upon compl. of routing.*} and former operators' bond files.
- Yes* / *N/A* 3. The former operator has requested a release of liability from their bond (yes/no) _____. 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.
- DTD* 2. Copies of documents have been sent to State Lands for changes involving State leases. *2/8/94 to Ed Bonn*

FILMING

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

FILING

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

COMMENTS

941108 B.M./S.Y. Not aprv. yet!

941125 " Aprv.'d.

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-49092

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

Wells Draw Unit

8. FARM OR LEASE NAME

Federal

9. WELL NO.

43-33B

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Section 33, T8S, R16E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other WIW

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

2. NAME OF OPERATOR

DALEN Resources Oil & Gas Co.

3. ADDRESS OF OPERATOR

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

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

At surface 1837' FSL & 590' FEL NE/4 SE/4 Sec. 33

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. 43-013-31240 DATE ISSUED 08/10/89

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUDDED 09/05/89 16. DATE T.D. REACHED 09/17/89 17. DATE COMPL. (Ready to prod.) 10/29/94 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5686' RKB 19. ELEV. CASINGHEAD 5671'

20. TOTAL DEPTH, MD & TVD 6501' 21. PLUG, BACK T.D., MD & TVD 6353' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS XX CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* 4978' - 5705' (Green River Injection Interval) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/Microguard/Compensated Density/Dual Spaced Neutron/Caliper/CBL/Var. Density 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	309'	12-1/4"	165sx Class "G" w/additives	0
5-1/2"	17#	6483'	7-7/8"	375sx HI-Fill w/additives + 670sx Howco 10-0 Thixo	0

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	4865'	4865'

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT	
INTERVAL	HOLES	INTERVAL	HOLES	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4978' - 4998'	80 Holes	5596' - 5705'	132 Holes		
5136' - 5144'	32 Holes				
5280' - 5288'	32 Holes				
5420' - 5450'	80 Holes				

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in)	
						Shut-In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS _____

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

SIGNED Candy K. Keister TITLE Supervisor Regulatory Compliance DATE 01/10/1995

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

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

38.

GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Uintah		Surface
				Green River		1786'
				DC-2		4978'
				DC-5		5135'
				Lower "D"		5280'
				E(d)		5420'
				E2		5595'

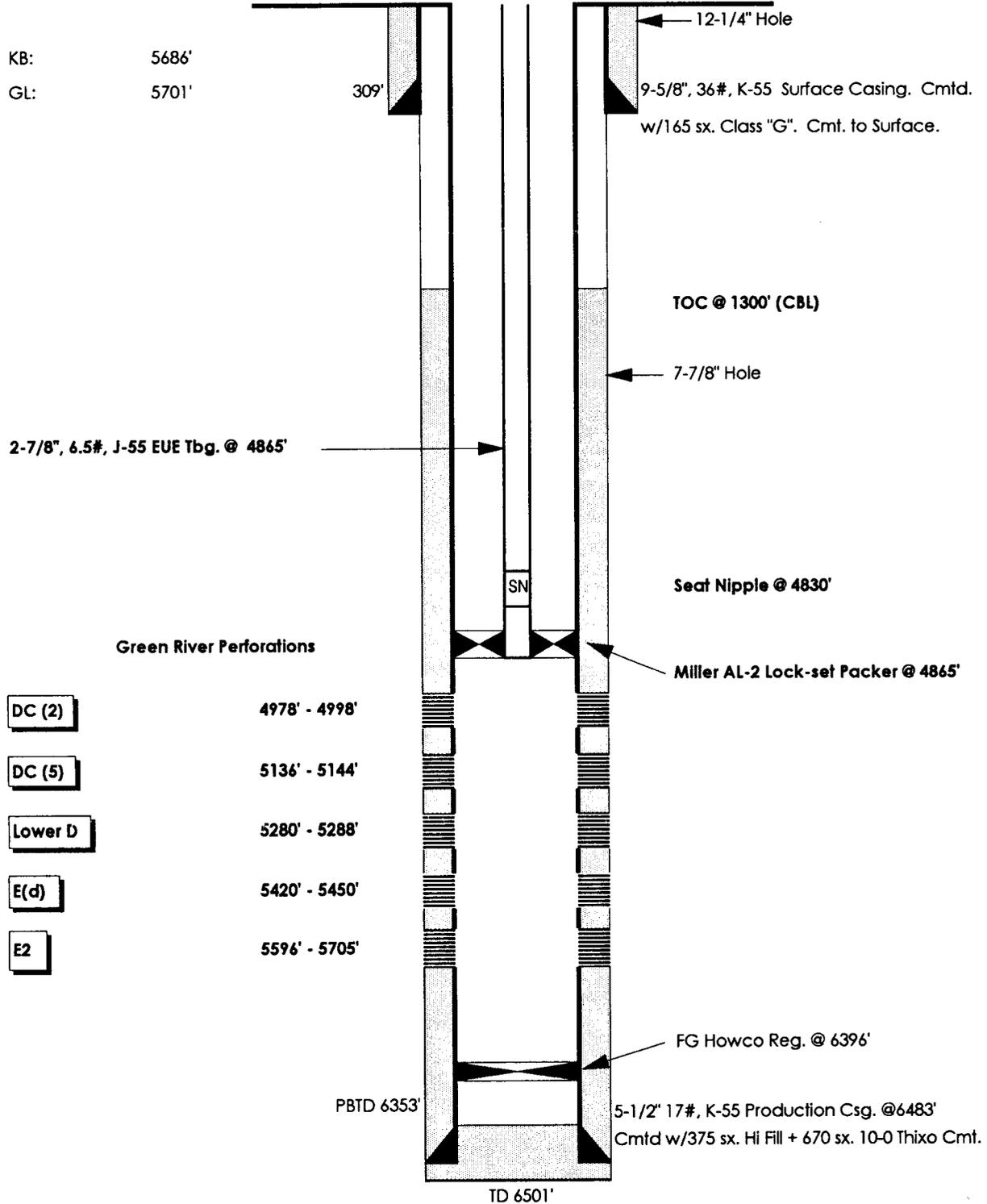
FEDERAL 43-33B WIW

WELLS DRAW UNIT
Duchesne County, Utah

Spud: 9/5/89
TD Date: 9/17/89
Compl. Date: 11/7/89
Conversion Dt: 10/29/94

Sec 33-T-8S-R16E
590' FEL & 1837' FSL
NE/4 SE/4

KB: 5686'
GL: 5701'



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other **WIW**

2. Name of Operator

DALEN Resources Oil & Gas Co.

3. Address and Telephone No.

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

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

590' FEL & 1837' FSL NE/4 SE/4 Section 33, T8S-R16E

5. Lease Designation and Serial No.

U-49092

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 43-33B

9. API Well No.

43-013-31240

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

11. County or Parish, State

Duchesne County, Utah

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

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

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

DALEN Resources began injecting water on January 11, 1995 at a rate of 145 BWPD. We plan to increase the injection rate to 425 BWPD.

JAN 24 1995

DEPT. OF OIL, GAS & ENERGY

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

Signed Cindy B. Keath Title Supervisor Regulatory Compliance Date 01/24/1995

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

UTAH DOGM

**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

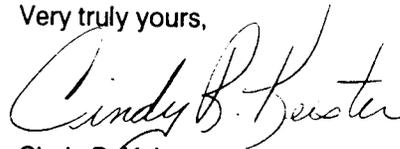
RE: Operator Name Change

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

**ENSERCH
EXPLORATION** INC

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

January 18, 1996

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

Attention: Mr. Dan Jarvis

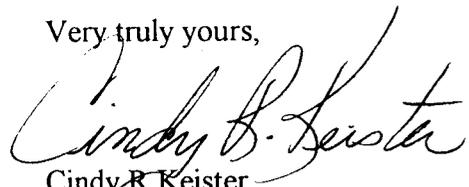
RE: Operator Changes - UIC Wells
Pleasant Valley Unit
Wells Draw Unit
West Willow Creek Unit
Duchesne & Uintah Counties, Utah

Gentlemen:

Attached is an original and one (1) copy of UIC Form 5 "Transfer of Authority to Inject" changing the operator from DALEN Resources Oil & Gas Co. to Enserch Exploration, Inc. for the water and gas injection wells in the referenced units. Also attached is a copy of the Certificate of Merger from the Secretary of the State of Texas certifying the Articles of Merger.

If you have any questions or need further information, please contact the undersigned at 214/987-6353.

Very truly yours,



Cindy R. Keister
Regulatory Compliance Specialist

CRK/ck

Attachments

cc: Central File
Regulatory File

UTAH WELLS
ENSERCH EXPLORATION, INC.

1/11/96

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

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

FEB 12 1996

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

FEB 09 1996

NOTICE

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

Merger Recognized

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

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

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

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

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

/s/ ROBERT LOPEZ

Chief, Branch of Mineral
Leasing Adjudication

Enclosure

1. Exhibit (1p)

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

Exhibit of Leases

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

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



The State of Texas

SECRETARY OF STATE CERTIFICATE OF MERGER

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

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

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

Dated December 19, 1995.

Effective December 31, 1995 04:55 PM



Antonio O. Garza, Jr.

Antonio O. Garza, Jr.
Secretary of State

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

FILED
In the Office of the
Secretary of State of Texas

DEC 19 1995

Corporations Section

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

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

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

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

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

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

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

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

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

Dated this 12th day of December, 1995.

ENSERCH EXPLORATION, INC.

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



The State of Texas

SECRETARY OF STATE

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



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



Antonio O. Garza, Jr.
Secretary of State

MAC

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Federal 43-33B
Field or Unit name: Wells Draw Unit API no. 43-013-31240
Well location: QQ SE section 33 township 8S range 16E county Duchesne
Effective Date of Transfer: 01/01/96

CURRENT OPERATOR

Transfer approved by:

Name Cindy R. Keister Company DALEN Resources Oil & Gas Co.
Signature *Cindy R. Keister* Address 6688 N. Central Expwy., Suite
Title Regulatory Compliance Specialist Dallas, TX 75206
Date 01/18/96 Phone (214) 987-6353

Comments: DALEN Resources was merged into Enserch Exploration, Inc.

NEW OPERATOR

Transfer approved by:

Name Cindy R. Keister Company Enserch Exploration, Inc.
Signature *Cindy R. Keister* Address 4849 Greenville Ave., Suite 1200
Title Regulatory Compliance Specialist Dallas, TX 75206
Date 01/18/96 Phone (214) 987-6353

Comments:

(State use only)

Transfer approved by *A. H. J.* Title *Enserch Manager*

Approval Date 2-13-96

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

(MERGER)

Routing:

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

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

Name: ** SEE ATTACHED **	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

- Y* 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~~) *Trustlands / Bond & Lease update in progress!*

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *OK 2/15/96*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

FILMING

- Y* 1. All attachments to this form have been microfilmed. Date: March 14 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 WIW

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)
 590' FEL & 1837' FSL NE/4 SE/4 Section 33, T8S-R16E

5. Lease Designation and Serial No.
 U-49092

6. If Indian, Allottee or Tribe Name
 NA

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

8. Well Name and No.
 Federal 43-33B

9. API Well No.
 43-013-31240

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

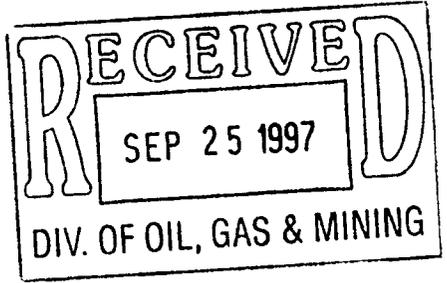
11. County or Parish, State
 Duchesne County, Utah

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

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

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

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



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

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

cc: UTAH DOGM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other WIW

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)

590' FEL & 1837' FSL NE/4 SE/4 Section 33, T8S-R16E

5. Lease Designation and Serial No.

U-49092

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 43-33B

9. API Well No.

43-013-31240

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

- Notice of Intent
- Subsequent Report
- Final Abandonment

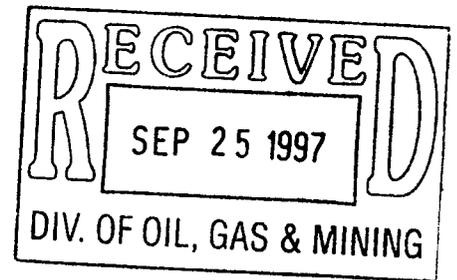
TYPE OF ACTION

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

(Note Report results of multiple completion on Well)

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

Enserch Exploration Inc. has sold its interest in the WDU #43-33B 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

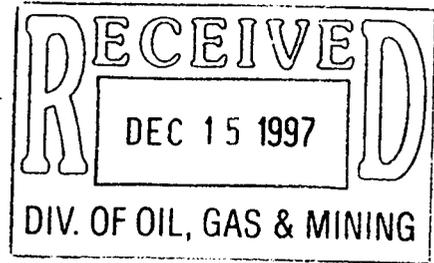
Signed [Signature] Title Sr. Production Analyst Date 08/14/1997

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

cc: UTAH DOGM



TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attached WELLS DRAW (GRRV) UNIT
Field or Unit name: See Attached API no. See Attached
Well location: QQ _____ section _____ township _____ range _____ county _____
Effective Date of Transfer: See Attached

CURRENT OPERATOR

Transfer approved by:
Name DAVID R. HENDERSON Company Enserch Exploration, Inc.
Signature [Signature] Address 4849 Greenville Ave., 1200
Title Executive Vice President and Dallas, Texas 75206-4186
Chief Operating Officer
Date 11/15/97 off. 3/31/97 Phone (214) 369-7893
Comments:

NEW OPERATOR

Transfer approved by:
Name CHRIS A. POTTER Company Inland Production Company
Signature [Signature] Address 475 17th Street, Suite 1500
Title Attorney-in-Fact Denver, Colorado 80202
Date 11/24/97 Phone (303) 292-0900
Comments:

(State use only)
Transfer approved by [Signature] Title Environ. Manager
Approval Date 1/6/98 CAUSE No. 231-1

* Copies mailed to operators on 1-6-98. JHC

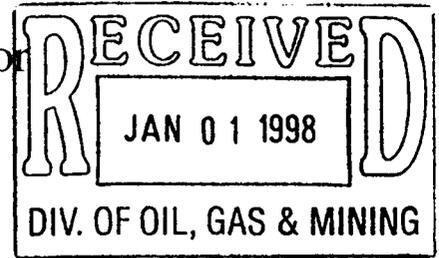
Injection Wells Formerly Operated by EEX

<u>LEASE</u>	<u>TWP</u>	<u>RGE</u>	<u>SEC</u>	<u>QTR</u>	<u>QTR</u>	<u>COUNTY</u>	<u>STATE</u>	<u>FIELD</u>	<u>API</u>	<u>LEASENUM</u>
ALLEN FED #44-5	09S	17E	5	SE/SE		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330913	U-020252
FED #11-9H	09S	17E	9	NW/NW		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330887	U-50750
FED #22-8H	09S	17E	8	SE/NW		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301331457	U-10760
FED #33-9H	09S	17E	9	NW/SE		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301331108	U-61052
FED NGC #22-9H	09S	17E	9	SE/NW		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301331049	U-50750
PLSNT VLY #31-8H	09S	17E	8	NW/NE		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330679	U-10760
PLSNT VLY #42-8H	09S	17E	8	SE/NE		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330678	U-10760
PLSNT VLY FD #13-9H	09S	17E	9	NW/SW		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330656	U-37810
PLSNT VLY FD #24-9H	09S	17E	9	SE/SW		DUCHESNE	UT	PLEASANT VALLEY UNIT	4301330682	U-50750
NGC FED 32-5G	09S	16E	5	SW/NE		DUCHESNE	UT	WELLS DRAW UT	4301330670	U-30096
WD FED 14-33-B	08S	16E	33	SW/SW		DUCHESNE	UT	WELLS DRAW UT	4301331229	U-49092
WD FED 14-34-B	08S	16E	34	NW/SW		DUCHESNE	UT	WELLS DRAW UT	4301331225	U-47171
WD FED 21-4-G	09S	16E	4	NE/NW		DUCHESNE	UT	WELLS DRAW UT	4301331272	U-30096
WD FED 34-33-B	08S	16E	33	SW/SE		DUCHESNE	UT	WELLS DRAW UT	4301331269	U-49092
WD FED 41-5-G	09S	16E	5	NE/NE		DUCHESNE	UT	WELLS DRAW UT	4301331205	U-30096
WD FED 43-33-B	08S	16E	33	NE/SE		DUCHESNE	UT	WELLS DRAW UT	4301331240	U-49092



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

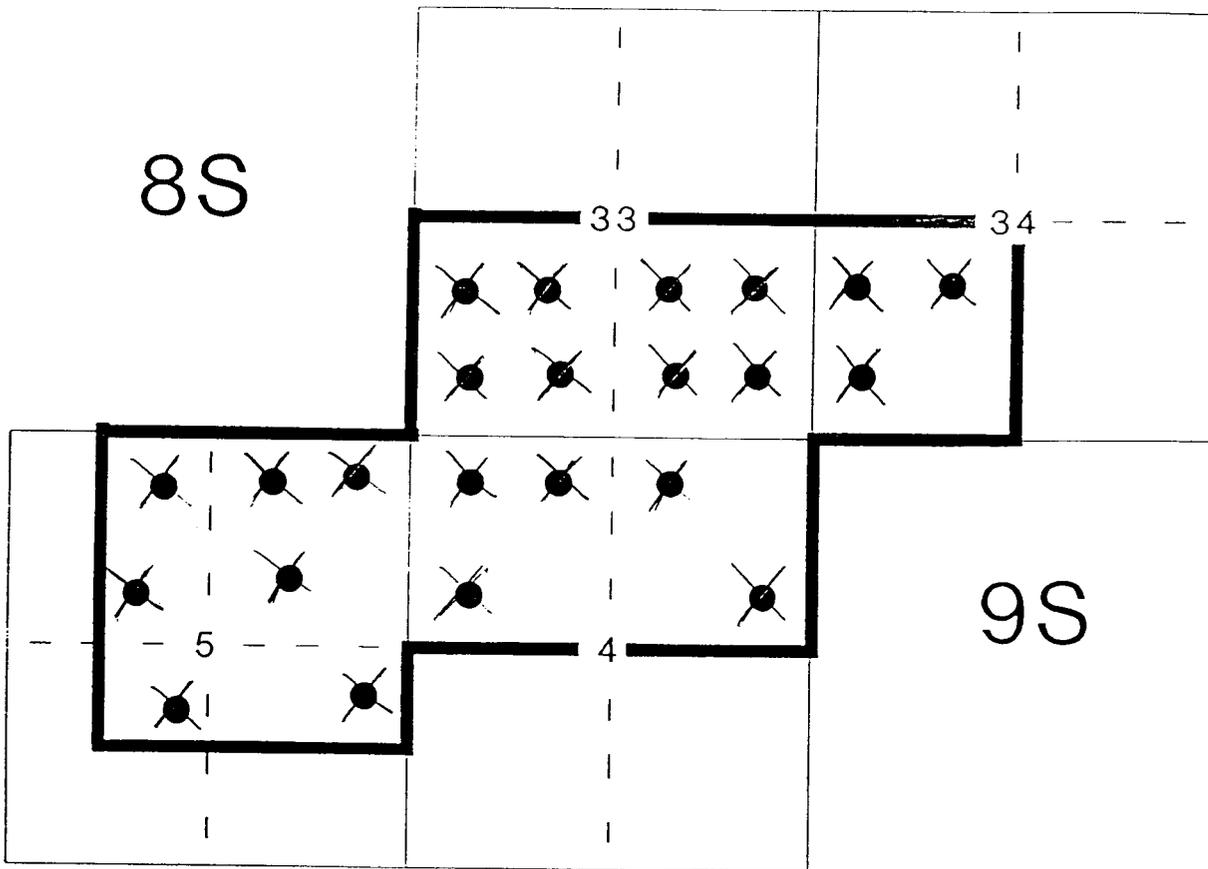
Enclosure

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



16E

— UNIT OUTLINE (UTU72613A)

SECONDARY
ALLOCATION
FEDERAL 100%

OPERATOR INLAND PRODUCTION CO

OPERATOR ACCT. NO. H 5160

ADDRESS _____

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

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

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

(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	"

OPERATOR CHANGE WORKSHEET

Routing	
1-LEC ✓	6-LEC ✓
2-DAH ✓	7-KAS ✓
3-DTS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-JRB ✓	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 8-16-97

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

WELL(S) attach additional page if needed: ***WELLS DRAW (GREEN RIVER) UNIT**

Name: **SEE ATTACHED**	API: <u>43-013-31240</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

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

ENTITY REVIEW

- 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.
- 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

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

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- 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.
- 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

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

FILING

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

COMMENTS

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

INJECTION WELL - PRESSURE TEST

Well Name: WELLS DRAIN 43-33B API Number: 31240 ~~31270~~
43-013-31209

Qtr/Qtr: NE/SE Section: 33 Township: 8S Range: 16E

Company Name: INLAND PRODUCTION COMPANY

Lease: State _____ Fee _____ Federal UTU-72613A Indian _____

Inspector: Dennis L. [Signature] Date: 06-07-00

Initial Conditions:

Tubing - Rate: _____ Pressure: 1450 psi

Casing/Tubing Annulus - Pressure: 1050 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1050 PSI</u>	<u>1450 PSI</u>
5	<u>1050 PSI</u>	<u>1450 PSI</u>
10	<u>1050 "</u>	<u>1450 "</u>
15	<u>1050 "</u>	<u>1450 "</u>
20	<u>1050 "</u>	<u>1450 "</u>
25	<u>1050 "</u>	<u>1450 "</u>
30	<u>1050 "</u>	<u>1450 "</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1450 psi

Casing/Tubing Annulus Pressure: 1050 psi

COMMENTS: Tested for 5 year rule. Injecting @ 69.44 BPD.
Also put test on Barton Chap

tested @ 8:35 AM

[Signature]
Operator Representative

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

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-49092	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		7. UNIT AGREEMENT NAME WELLS DRAW	
3. ADDRESS OF OPERATOR Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		8. FARM OR LEASE NAME FEDERAL 43-33-B	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/SE 1837 FSL 0590 FEL		9. WELL NO. FEDERAL 43-33-B	
14 API NUMBER 43-013-31240		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5671 GR	
		12 COUNTY OR PARISH DUCHESNE	13 STATE UT

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"/>	<input type="checkbox"/>	(OTHER) <u>Perform 5 year MIT</u>	<input type="checkbox"/>
(OTHER) <input type="checkbox"/>	<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.)*

The MIT was conducted on the subject well to satisfy the five year MIT. On 6-7-00 the casing was pressured up to 1050 psi and charted for thirty minutes with no leak off. Mr. Dennis Ingram with the DOGM was in attendance and approved the test.

18 I hereby certify that the foregoing is true and correct

SIGNED Rod Bird TITLE Production Foreman DATE 6/7/00
 Rod Bird

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

* See Instructions On Reverse Side

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

RECEIVED

JUN 09 2000

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 L. Ingram Date 6/7/00 Time 8:35 (am)pm

Test Conducted by: Reddie Bird

Others Present: _____

Well: <u>wells Draw 43-33-8-16</u>	Field: <u>wells Draw</u>
Well Location: <u>NE/SE 50/33, T8S, R16E</u>	API No: <u>43-013-31240</u>
<u>DeCham. CO Utah</u>	

Time	Casing Pressure	
0 min	<u>1050</u>	psig
5	<u>1050</u>	psig
10	<u>1050</u>	psig
15	<u>1050</u>	psig
20	<u>1050</u>	psig
25	<u>1050</u>	psig
30 min	<u>1050</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1480 psig

Result: Pass Fail

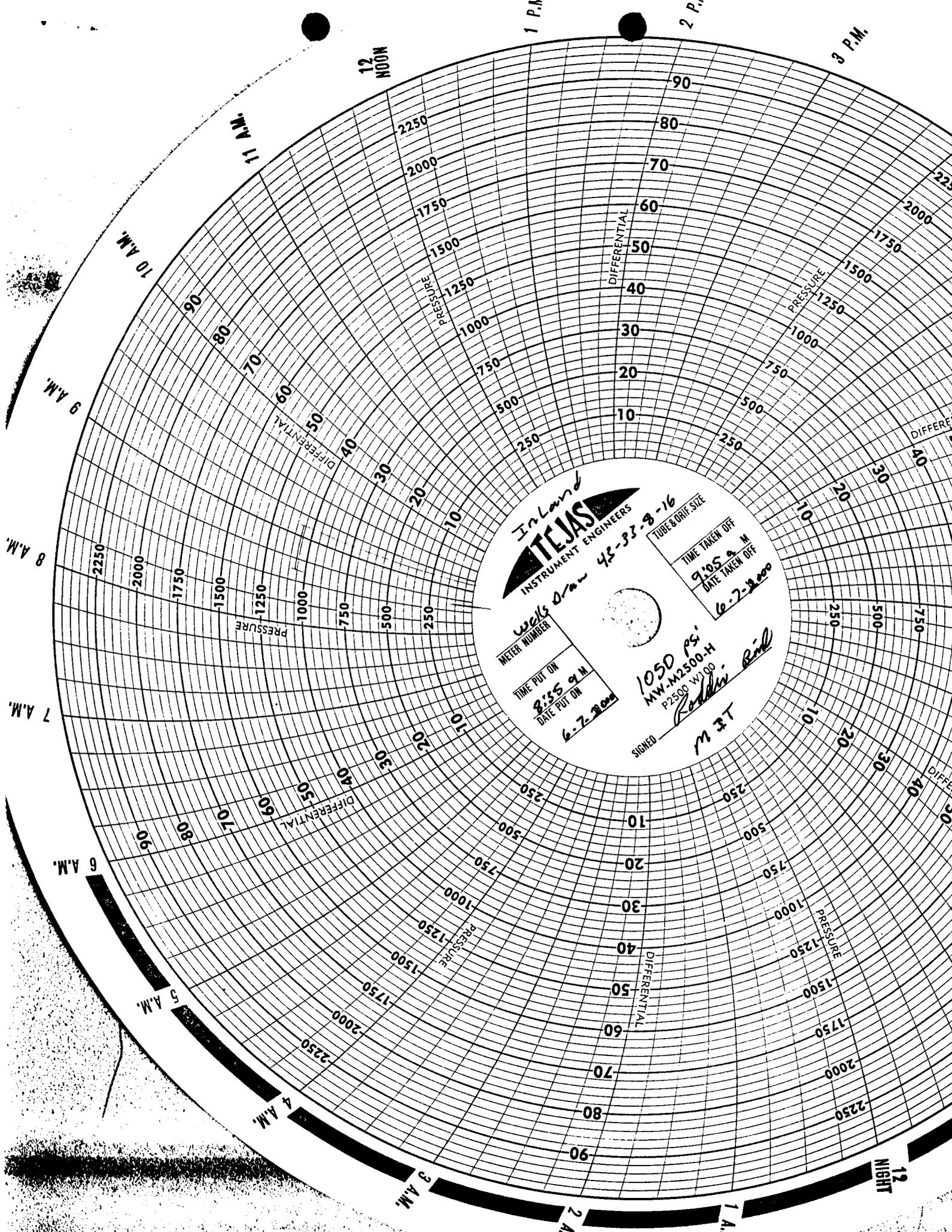
RECEIVED

JUN 09 2000

DIVISION OF
OIL, GAS AND MINING

Signature of Witness: Dennis L. Ingram

Signature of Person Conducting Test: Reddie Bird



Inland
TEXAS
INSTRUMENT ENGINEERS

Wells Draw 48-33-8-16
METER NUMBER

TIME PUT ON
8:55 A.M.
DATE PUT ON
6-7-2000

TUBE & ORIF. SIZE
TIME TAKEN OFF
9:05 A.M.
DATE TAKEN OFF
6-7-2000

1050 PSI.
MW-M2500-H
P2500 W/100
SIGNED
Reddi Bilal
M.T.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

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



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

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

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

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>
<u>city Denver state Co zip 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>
<u>city Denver state Co zip 80202</u>	Title: <u>Engineering Tech.</u>
Phone:	Date: <u>9/15/2004</u>
Comments:	

(This space for State use only)

Transfer approved by: *[Signature]* Approval Date: 9-20-04
Title: Field 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

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

CA No.

Unit:

Wells Draw (Green River)

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The FORMER operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

INJECTION WELL - PRESSURE TEST

Well Name: <u>Wells Draw 43-33B</u>	API Number: <u>43-013-31240</u>
Qtr/Qtr: <u>NE/SK</u> Section: <u>33</u>	Township: <u>8S</u> Range: <u>16E</u>
Company Name: <u>NEW FIELD PRODUCTION COMPANY</u>	
Lease: State <u>UT</u> Fee _____	Federal <u>UTU 72613A</u> Indian _____
Inspector: <u>[Signature]</u>	Date: <u>6-16-05</u>

Initial Conditions:

Tubing - Rate: No Pressure: 900 psi
 Casing/Tubing Annulus - Pressure: 1240 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1240</u>	<u>900</u>
5	<u>1240</u>	<u>900</u>
10	<u>1240</u>	<u>900</u>
15	<u>1240</u>	<u>900</u>
20	<u>1240</u>	<u>900</u>
25	<u>1240</u>	<u>900</u>
30	<u>1240</u>	<u>900</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 900 psi
 Casing/Tubing Annulus Pressure: 1240 psi

COMMENTS: Buster Recorder - work
no parts

[Signature]
 Operator Representative

RECEIVED
JUN 24 2005
 DIV. OF OIL, GAS & MINING

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU49092

SUNDRY NOTICES AND REPORTS ON WELLS

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

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 Injection well

8. WELL NAME and NUMBER:
FEDERAL 43-33B

2. NAME OF OPERATOR:
Newfield Production Company

9. API NUMBER:
4301331240

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

10. FIELD AND POOL, OR WILDCAT:
Monument Butte

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1837 FSL 0590 FEL

COUNTY: Duchesne

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NE/SE, 33, T8S, R16E

STATE: Utah

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

TYPE OF ACTION SubDate

TYPE OF SUBMISSION

TYPE OF ACTION

<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<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/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Recompletion
---	---	---	---

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

The subject well had recompletion procedures initiated in the Green River formation. Existing production equipment was pulled from well. A bit and scraper were run in well. Two new Green River intervals were perforated and hydraulically fracture treated as follows: BS sand @ 6198-6204', CP5 sands @ 5870-5882' and 5918-5922' and D3 sands @ 5078-5082' and GB6 sands @ 4514-4520' All 4 JSPF in 2 runs total. First stage w/14,861#'s of 20/40 brown sand in 169 bbls of lightning 17 frac fluid. Second stage down tubing w/14,822#'s of 20/40 brown sand in 159 bbls of lightning 17 frac fluid. Sand was cleaned from wellbore. New intervals were swab tested for sand cleanup. BHA & revised production tbg string were run and anchored in well w/tubing @ 4453', pump seating nipple @ 4468', and end of tubing string @ 4476'. A 1 1/2" bore rod pump was run in well on sucker rods. Well returned to production via rod pump on 6-3-05.

On 6-14-05 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above list well. Permission was given at that time to perform the test on 6-16-05. On 6-16-05 the csg was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 900 psig during the test. There was a State representative available (Dennis Ingram)

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

Date: 06-28-05
By: [Signature]

CONSENT TO OPERATOR
DATE: 6-29-05
AGENCY: CHD

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager

SIGNATURE [Signature] DATE 06/24/2005

(This space for State use only)

RECEIVED

JUN 2 / 2005

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: *Donna J...* Date 6/16/05 Time 9:00 am pm
Test Conducted by: *Michael Hullinger*
Others Present: _____

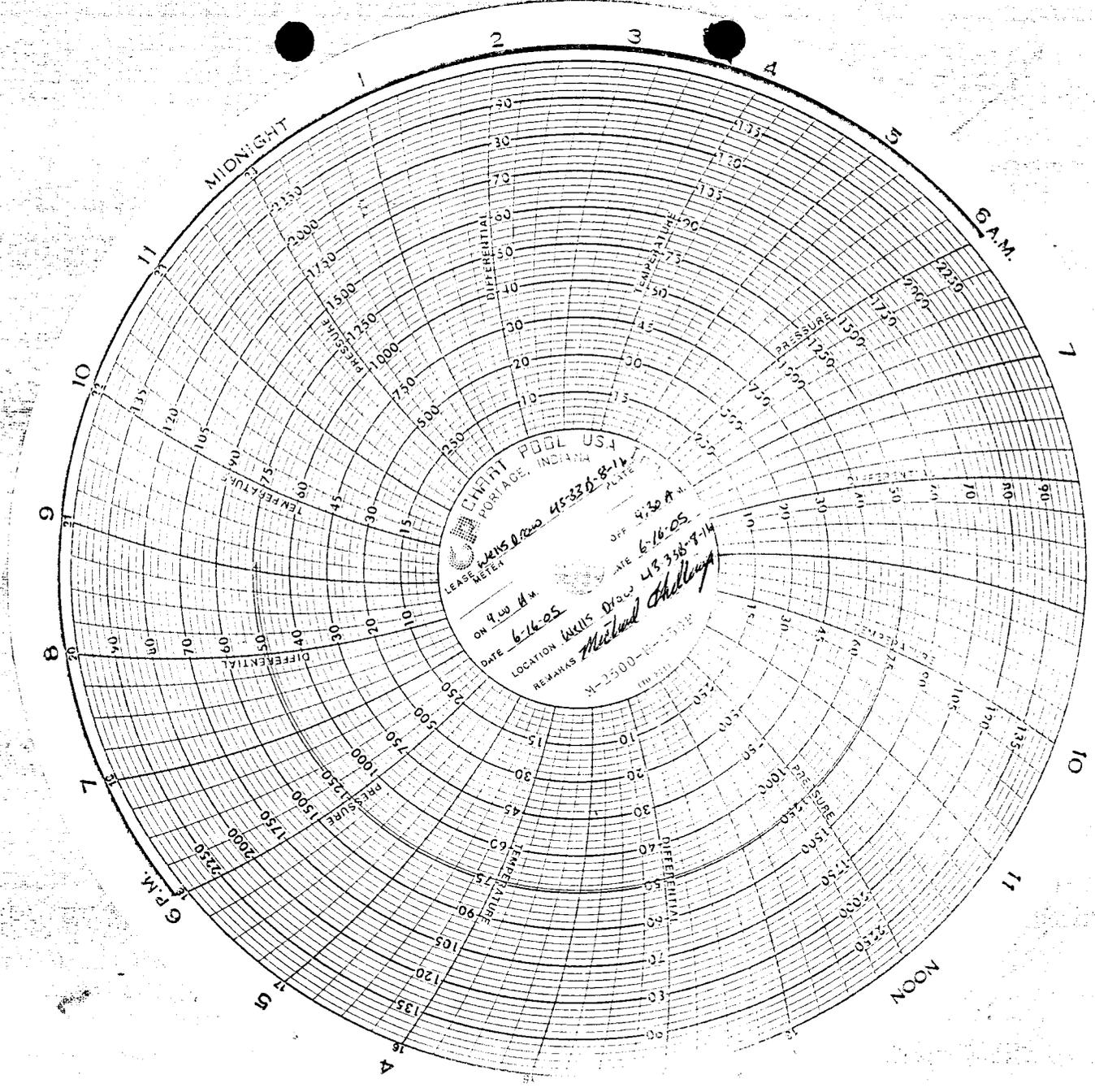
Well: Wells Draw 43-338-8-16	Field: wells draw unit
Well Location: NE/SE sec 33, T8S, R16E	API No: 43-013-31240

Time	Casing Pressure	
0 min	<u>1240</u>	psig
5	<u>1240</u>	psig
10	<u>1240</u>	psig
15	<u>1240</u>	psig
20	<u>1240</u>	psig
25	<u>1240</u>	psig
30 min	<u>1240</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 900 psig

Result: Pass Fail

Signature of Witness: *Donna L...*
Signature of Person Conducting Test: *Michael Hullinger*



CHRYSLER POOL USA
PORTAGE, INDIANA
LEASE MENS 02220 45330-8-14
DATE 6-16-25
LOCATION WALKS DYCW 48338-9-14
REMARKS Michael Challeys
M-2500-10-2500
ON 9:00 A.M. OFF 4:30 P.M.
DATE 6-16-25
METER 48338-9-14

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-49092

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GMBU

1. TYPE OF WELL: OIL WELL GAS WELL OTHER

8. WELL NAME and NUMBER:
FEDERAL 43-33B

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301331240

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

PHONE NUMBER
435.646.3721

10. FIELD AND POOL, OR WILDCAT:
GREATER MB UNIT

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 1837 FSL 590 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESE, 33, T8S, R16E

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/12/2010	<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 05/11/2010 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. Permission was given at that time to perform the test on 05/11/2010. On 05/12/2010 the casing was pressured up to 1160 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 253 psig during the test. There was not a State representative available to witness the test.

API# 43-013-31240

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE



DATE 05/13/2010

(This space for State use only)

RECEIVED
MAY 18 2010
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: _____ Date 5/12/10 Time 9:00 am pm

Test Conducted by: DAVE CLOWARD

Others Present: _____

Well: <u>FEDERAL 43-33B-8-16</u>	Field: <u>FEDERAL 43-33B-8-16</u> <u>Duchesne County, UTAH</u>
Well Location: <u>FEDERAL 43-33B-8-16</u> <u>NE/SE SEC. 33, T8S, R16E</u>	API No: <u>43-013-31240</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1160</u>	psig
5	<u>1160</u>	psig
10	<u>1160</u>	psig
15	<u>1160</u>	psig
20	<u>1160</u>	psig
25	<u>1160</u>	psig
30 min	<u>1160</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 253 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: David Cloward

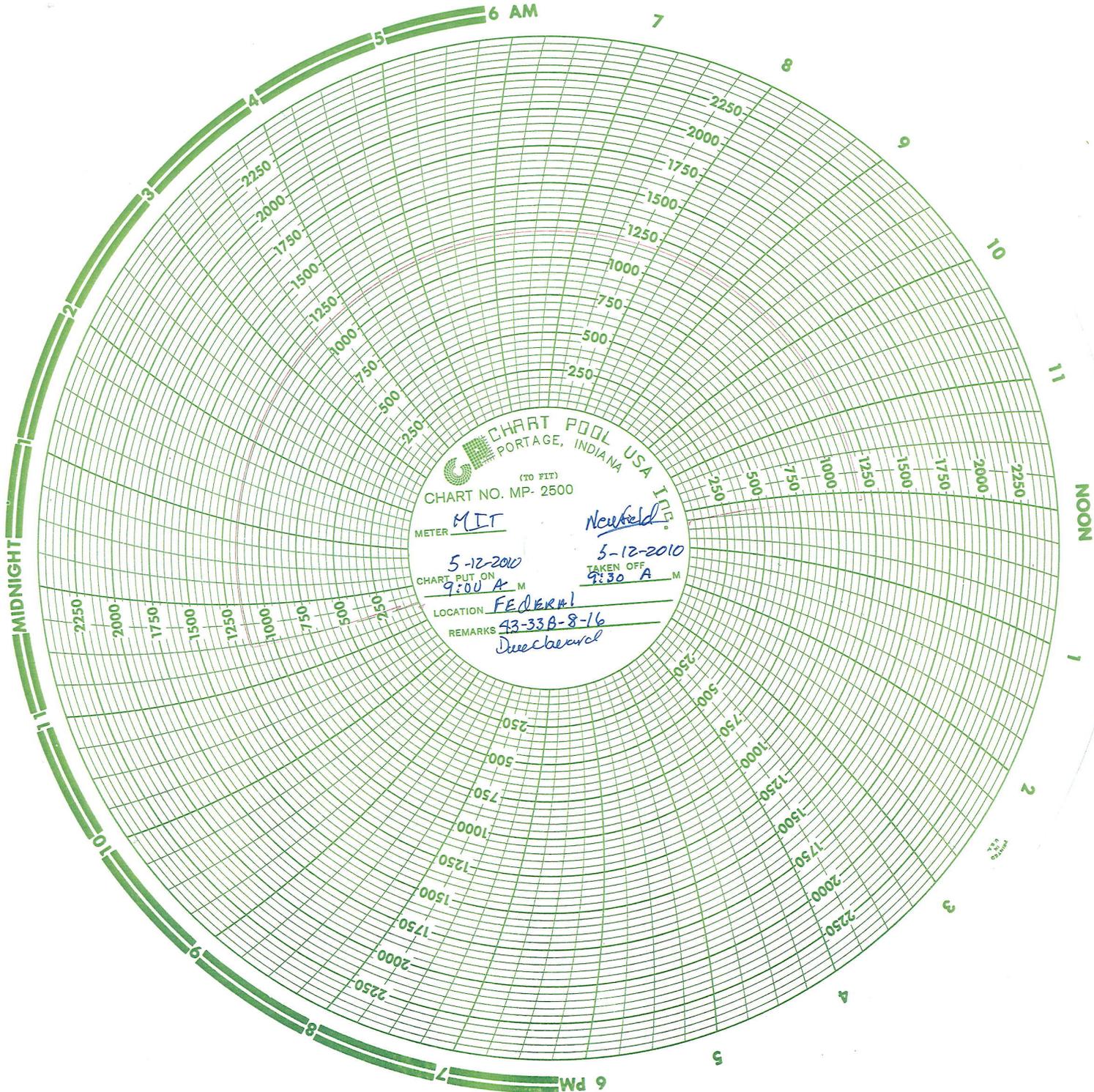


CHART POOL USA INC.
PORTAGE, INDIANA
(TO FIT)
CHART NO. MP- 2500

METER MIT Newfield

CHART PUT ON 5-12-2010 TAKEN OFF 5-12-2010
9:00 A.M. 9:30 A.M.

LOCATION FEDERAL

REMARKS 43-33B-8-16
Due checked

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-49092
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: FEDERAL 43-33-B
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013312400000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1837 FSL 0590 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 33 Township: 08.0S Range: 16.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/23/2015	<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 04/20/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 04/23/2015 the casing was pressured up to 1680 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1334 psig during the test. There was a State representative available to witness the test - Richard Powell.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 28, 2015**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 4/24/2015	

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: _____ Date 4/23/15 Time 10:20 am pm

Test Conducted by: JENAKI LASA

Others Present: _____

5 YEAR MIT

Well: FEDERAL 43-33B-8-16 NE/SE SEC 33, T8S, R16E UTU-49092 UTU 87538X	Field: Monument Butte
Well Location: Duchesne COUNTY, UTAH	API No: 4301331240

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>11.8</u>	psig
5	<u>1,680.4</u>	psig
10	<u>1,680.4</u>	psig
15	<u>1,680.2</u>	psig
20	<u>1,680.4</u>	psig
25	<u>1,680.4</u>	psig
30 min	<u>1,680.0</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1,334 psig

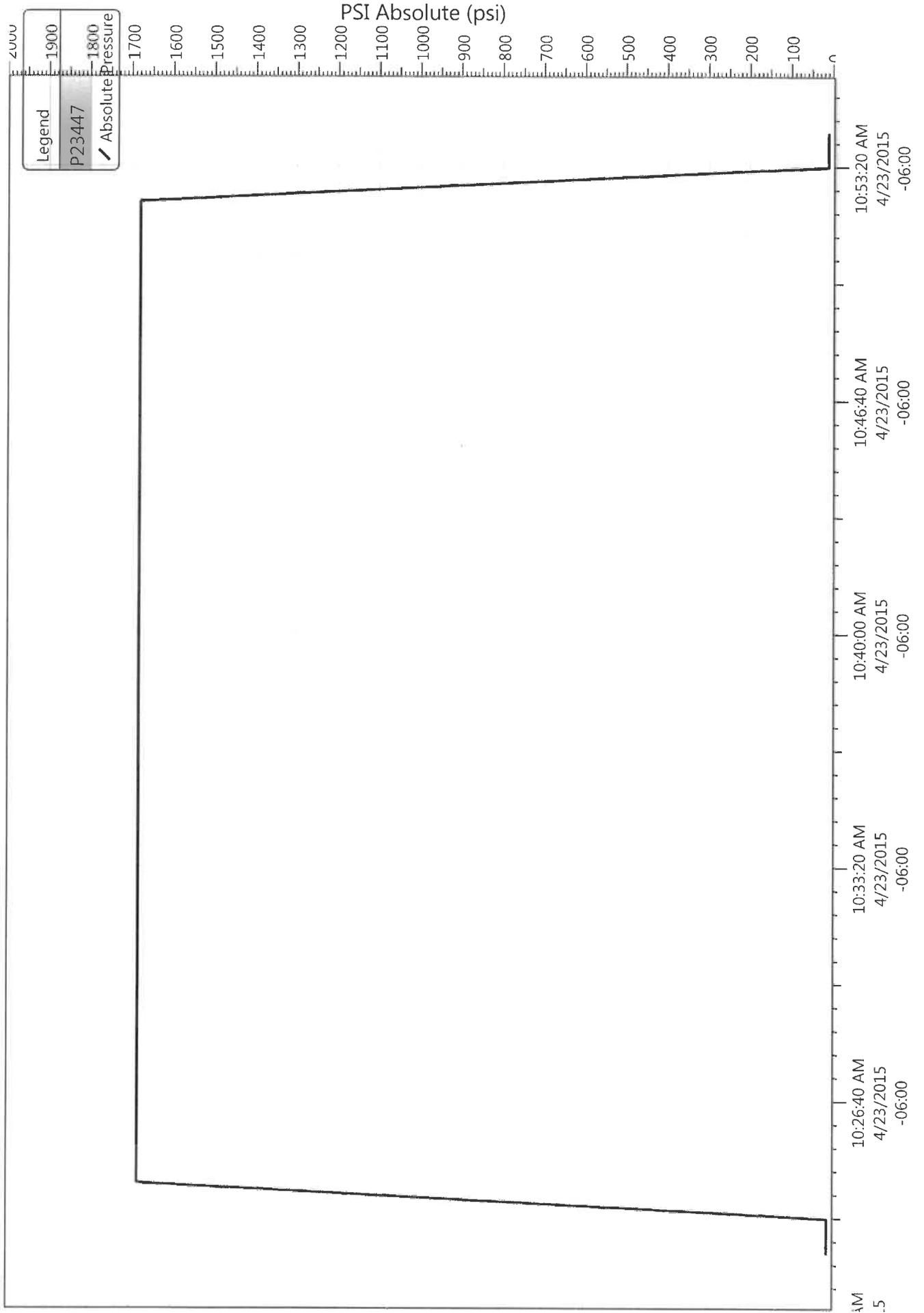
Result: Pass Fail

Signature of Witness: Jenaki Lasas

Signature of Person Conducting Test: [Signature]

W Federal 43-33B-8-16 5 Year Mit

4/23/2015 10:21:59 AM



Legend
P23447
Absolute Pressure

NEWFIELD

Schematic

43-013-31240

Well Name: Federal 43-33B-8-16

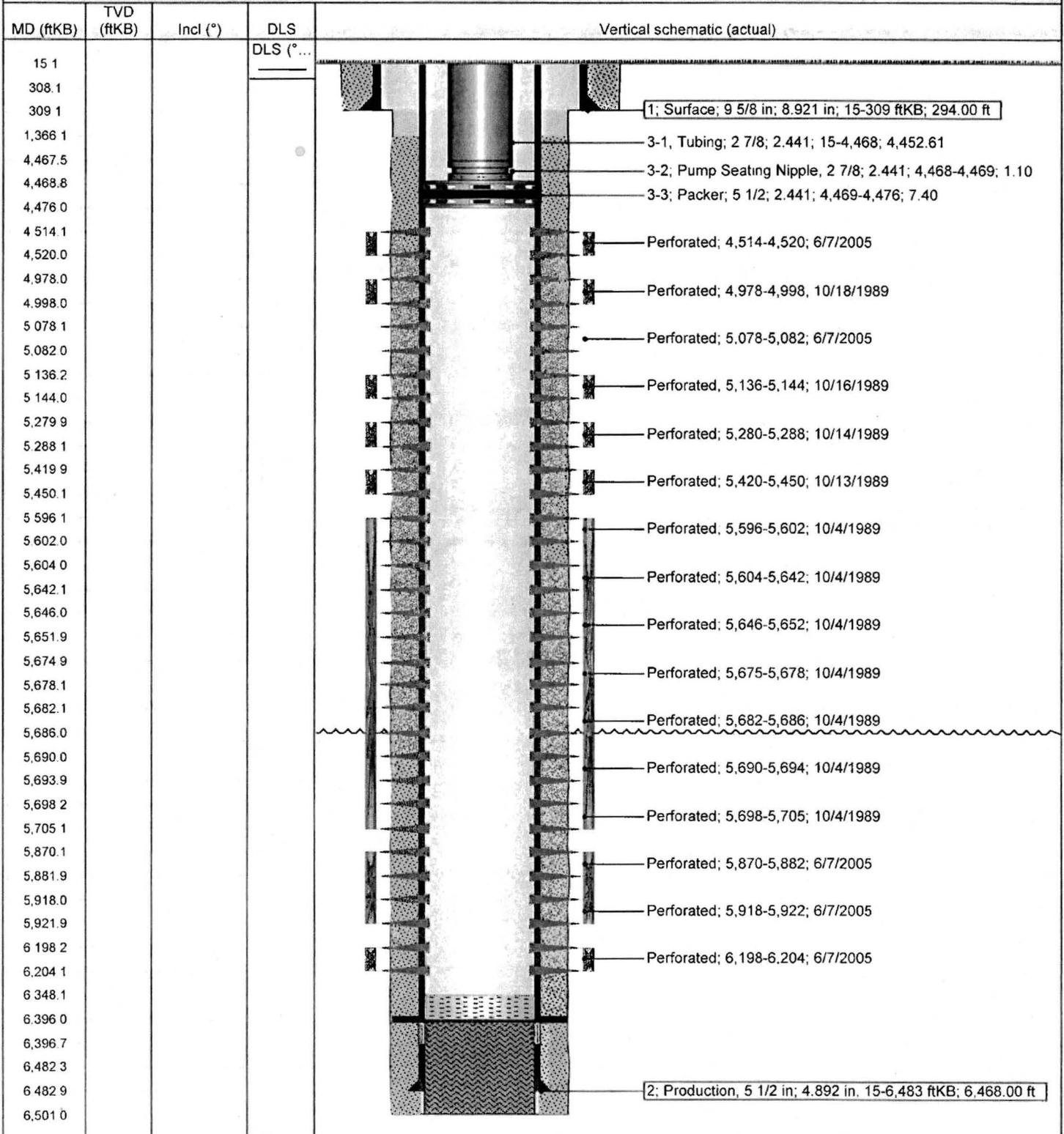
Surface Legal Location 33-8S-16E		API/Well 43013312400000	Well RC 500151447	Lease	State/Province Utah	Field Name GMBU CTB4	County Duchesne
Spud Date 9/5/1989	Rig Release Date 9/18/1989	On Production Date 10/25/1989	Original KB Elevation (ft) 5,686	Ground Elevation (ft) 5,671	Total Depth All (TVD) (ftKB)	PBD (All) (ftKB) Original Hole - 6,396.0	

Most Recent Job

Job Category Testing	Primary Job Type	Secondary Job Type N/A	Job Start Date 4/23/2015	Job End Date 4/23/2015
-------------------------	------------------	---------------------------	-----------------------------	---------------------------

TD: 6,501.0

Vertical - Original Hole, 11/11/2015 9:29:27 AM



NEWFIELD



Newfield Wellbore Diagram Data Federal 43-33B-8-16

Surface Legal Location 33-8S-16E		API/L/W 43013312400000		Lease	
County Duchesne		State/Province Utah		Basin	
Well Start Date 9/5/1989		Spud Date 9/5/1989		Final Rig Release Date 9/18/1989	
Original KB Elevation (ft) 5,686		Ground Elevation (ft) 5,671		Total Depth (ftKB) 6,501.0	
				Total Depth All (TVD) (ftKB) 6,501.0	
				PBTD (All) (ftKB) Original Hole - 6,396.0	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	9/7/1989	9 5/8	8 9/21	36.00	K-55	309
Production	9/18/1989	5 1/2	4 8/92	17.00	J-55	6,483

Cement

String: Surface, 309ftKB 9/7/1989

Cementing Company	Top Depth (ftKB) 15.0	Bottom Depth (ftKB) 309.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description +2% CaCl2 + 1/4#/sk flocele	Fluid Type Lead	Amount (sacks) 165	Class G	Estimated Top (ftKB) 15.0

String: Production, 6,483ftKB 9/18/1989

Cementing Company	Top Depth (ftKB) 1,366.0	Bottom Depth (ftKB) 6,501.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 375	Class High-Fill	Estimated Top (ftKB) 1,366.0
Fluid Description	Fluid Type Tail	Amount (sacks) 670	Class 10-0 Thixo	Estimated Top (ftKB) 3,900.0

Tubing Strings

Tubing Description Tubing		Run Date 6/9/2005			Set Depth (ftKB) 4,476.1	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing	144	2 7/8	2 4/41	6.50	J-55	4,452.61
Pump Seating Nipple		2 7/8	2.441			1.10
Packer		5 1/2	2.441			7.40
						Top (ftKB) 15.0
						Btm (ftKB) 4,467.6
						4,467.6
						4,468.7

Rod Strings

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

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	6,348	6,396	6/7/2005	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
8	GB6, Original Hole	4,514	4,520	4			6/7/2005
5	DC (2), Original Hole	4,978	4,998	4			10/18/1989
	D3, Original Hole	5,078	5,082	4			6/7/2005
4	DC (5), Original Hole	5,136	5,144	4			10/16/1989
3	Lower D, Original Hole	5,280	5,288	4			10/14/1989
2	E(d), Original Hole	5,420	5,450	4			10/13/1989
1	E2, Original Hole	5,596	5,602	2			10/4/1989
1	E2, Original Hole	5,604	5,642	2			10/4/1989
1	E2, Original Hole	5,646	5,652	2			10/4/1989
1	E2, Original Hole	5,675	5,678	2			10/4/1989
1	E2, Original Hole	5,682	5,686	2			10/4/1989
1	E2, Original Hole	5,690	5,694	2			10/4/1989
1	E2, Original Hole	5,698	5,705	2			10/4/1989
7	CP5, Original Hole	5,870	5,882	4			6/7/2005
7	CP5, Original Hole	5,918	5,922	4			6/7/2005
6	BS, Original Hole	6,198	6,204	4			6/7/2005

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bb)
1	2,710			3,550			
2	1,730			2,450			
3	2,400			2,980			
4							
5	1,600		50.0	2,400			



Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
6	7.100		14.2	4.370			
7	1.850	0.7	14.4	3.380			
8	1.970	0.87	14.4	3.420			

Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Sand 158000 lb
2		Proppant Sand 120200 lb
3		Proppant Sand 70000 lb
4		Proppant Sand 43000 lb
5		Proppant Sand 96295 lb
6		Proppant Brown Sand 14861 lb
7		Proppant Brown Sand 14822 lb
8		Proppant Brown Sand 10078 lb