

NOTICE OF STAKING
(Not to be used in place of
Application to Drill Form 9-331-C)

RMOGA
5/5/82

RECEIVED

FEB 26 1990

DIVISION OF
OIL, GAS & MINING

5. Lease Number
U-30096

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Federal

9. Well No.

21-4-G

10. Field or Wildcat Name

Monument Butte

11. Sec., T., R., M., or
Blk and Survey or Area

Sec. 4, T9S, R16E

12. County or Parish

Duchesne

13. State

Utah

1. Oil Well Gas Well Other

2. Name of Operator

PG&E Resources Company

3. Address of Operator or Agent

85 South 200 East, Vernal, UT 84078

4. Surface Location of Well
(Governmental 1/4 or 1/4 1/4)

NE/NW 1958' FWL 760' FNL

Attach: Topographical or other acceptable map
showing location, access road, and lease boundaries.

14. Formation Objective(s)

Green River

15. Estimated Well Depth

6500'

16. To Be Completed by Operator Prior to Onsite

- a. Location must staked
- b. Access Road Flagged
- c. Sketch and/or map of location, showing road, pad dimensions, reserve pit, cuts, and fills
(To be provided at onsite)

17. To Be Considered By Operators Prior to Onsite

- a. H₂S Potential
- b. Private Surface Ownership
- c. Cultural Resources (Archaeology)
- d. Federal Right of Way

18. Additional Information

19. Signed

R. D. Miller
R. D. Miller *RDM*

Title

Production Foreman

Date

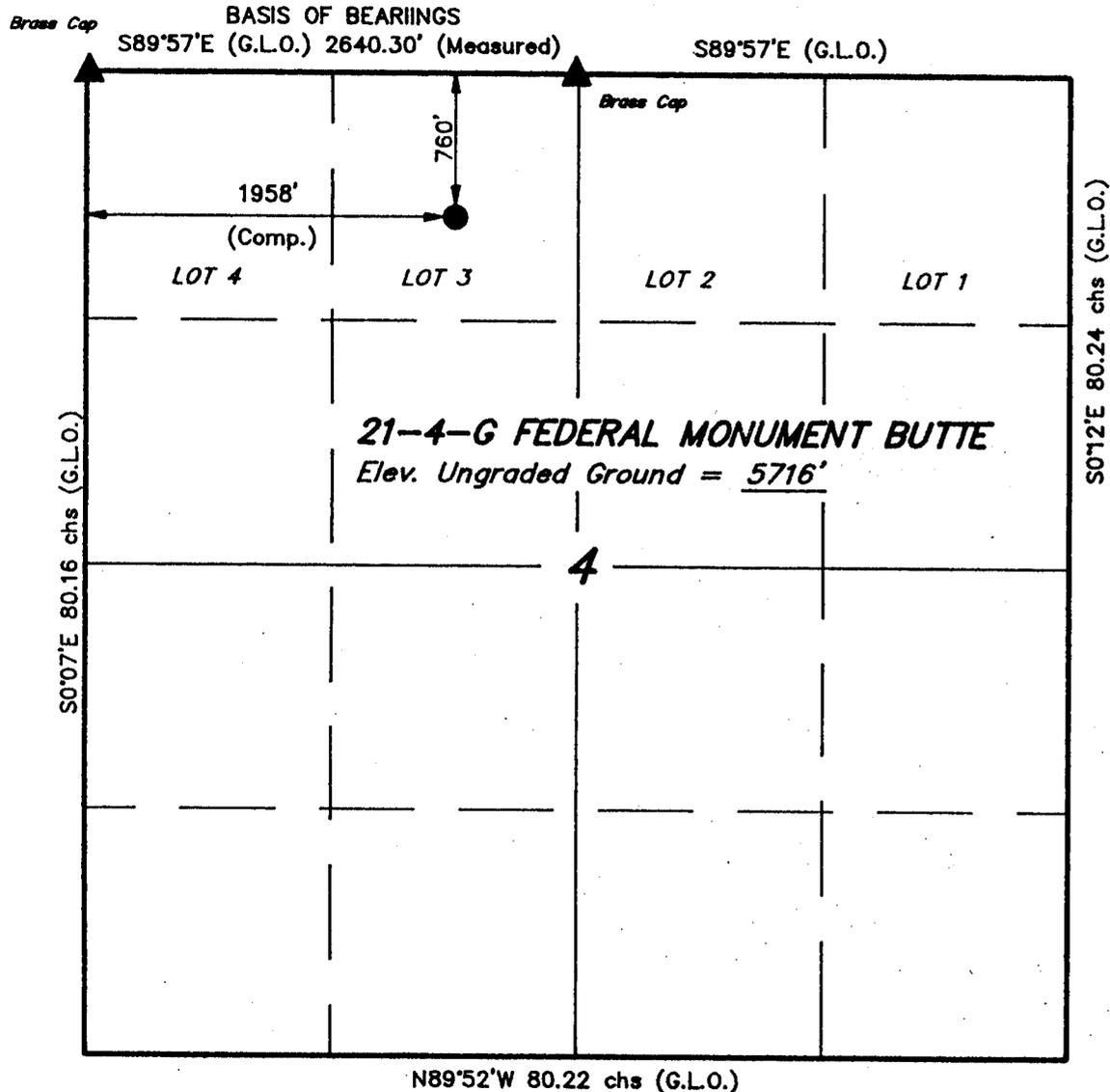
2/23/90

Original & 2 copies - BLM
1 copy - Div. Oil, Gas & Mining
1 copy - Stan Goodrich
1 copy - Central Files

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

PG&E RESOURCES COMPANY

Well location, 21-4-G FEDERAL MONUMENT BUTTE, located as shown in LOT 3 of Section 4, T9S, R16E, S.L.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 4, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SW QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5691 FEET.



CERTIFICATE

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

Robert L. Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 5709
 STATE OF UTAH

REVISED: 2-22-90 J.R.S.

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

SCALE 1" = 1000'	DATE 2-7-90
PARTY D.A. J.F. J.T.K.	REFERENCES G.L.O. PLAT
WEATHER COLD - CLEAR	FILE PG&E RESOURCES CO.

▲ = SECTION CORNERS LOCATED.

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
 PG&E Resources Company

3. ADDRESS OF OPERATOR
 5950 Berkshire Lane, Suite 600, Dallas, Texas 75225

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface
 1,958' FWL, 760' FNL NE/NW
 At proposed prod. zone

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

13. 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
 1,320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH 6350'
 Green River

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5,715' GR

5. LEASE DESIGNATION AND SERIAL NO.
 U-30096
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 Federal
 9. WELL NO.
 21-4-G
 10. FIELD AND POOL, OR WILDCAT
 Monument Butte (105)
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 4-T9S-R16E
 12. COUNTY OR PARISH
 Duchesne
 13. STATE
 Utah

RECEIVED
 APR 06 1990
 OIL, GAS & MINING

22. APPROX. DATE WORK WILL START*
 May, 1990

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	To surface
7 7/8"	5 1/2"	15.5#	TD	As required

Attachments:

- Drilling Program
- Surface Use Plan
- Survey Plat
- Cut & Fill Diagram
- Topo Maps
- Well Location Map
- Choke Manifold Diagram
- Blowout Preventer Diagram

Original & 2 copies: BLM - Vernal; 2 copies Div. Oil, Gas & Mining - Salt Lake City

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 TITLE Petroleum Engineer DATE 4/2/90

(This space for Federal or State office use)

PERMIT NO. 43-013-31272 APPROVAL DATE 4-18-90

APPROVED BY John R. Bay TITLE WELL SPACING: R615-3-2

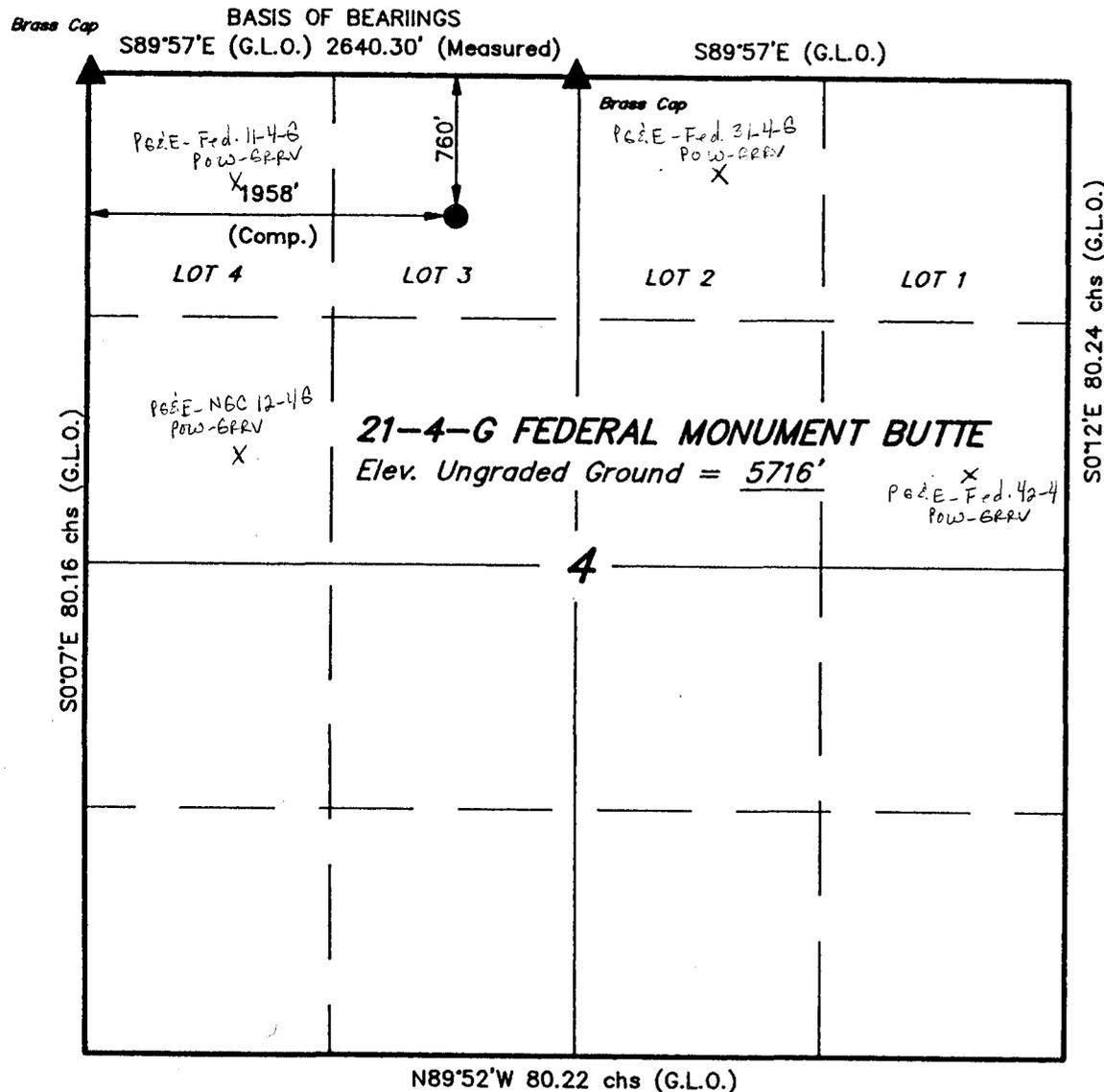
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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

PG&E RESOURCES COMPANY

Well location, 21-4-G FEDERAL MONUMENT BUTTE, located as shown in LOT 3 of Section 4, T9S, R16E, S.L.B.&M. Duchesne County, Utah.



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REVISED: 2-22-90 J.R.S.

UINTAH ENGINEERING & LAND SURVEYING

P. O. BOX 1758 - 85 SOUTH - 200 EAST

VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 2-7-90
PARTY D.A. J.F. J.T.K.	REFERENCES G.L.O. PLAT
WEATHER	FILE

DRILLING PROGRAM

Company: PG&E Resources Company
5950 Berkshire Ln Ste 600
Dallas, Texas 75225
214-750-3800

Well: 21-4-G Federal
Sec.4-T9S-R16E
Duchesne Co., Utah
Lease No. U-30096

Operations will comply with applicable laws, regulations, and the approved APD. Provisions of Onshore Order No. 2 will be strictly adhered to. PG&E is responsible for the actions of contractors in its hire. A copy of the approved APD will be with field representatives to insure compliance.

1. Surface Formation and Estimated Formation Tops

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Uintah	Surface	+5715' GR
Green River	1731'	+3999'
Douglas Creek Mrkr	4880'	+850'
TD	6350'	-620'

2. Estimated Depths of Oil, Gas, Water, or Mineral Bearing Zones

<u>Expected Zones</u>	<u>Formation</u>	<u>Interval</u>
Oil zones	Green River	4200'-6200'
Gas zones	None	
Water zones	None	
Mineral zones	Oil Shale	Top @ 1731'

3. Pressure Control Equipment

2000# WP BOPE installed, used, maintained & tested prior to drilling out surface csg til well completed/abandoned. BOPE suitable for subfreezing conditions if exist. Pressure tests before drilling out csg strings.

BOPE consisting of: annular preventer, double ram w/ blind and pipe rams, kill line 2" min, 1 ck line vlv, 2" ck line, 1 kill line vlv, 2 cks, gauge on ck manifold, upper kelly cock vlv with handle, safety vlv and subs to fit all drill strings, fillup line above top preventer. Ck lines straight unless using tee blocks or targeted w/ running tees and anchored to prevent whip and reduce vibration. Ck manifold functionally equivalent to diagram. All vlvs (except cks) in kill line, ck manifold, ck line full opening for straight through flow. Gauges types for drilling fluids.

Accumulator sufficient capacity to open hydraulic ck line vlv if equipped, close rams & annular preventer, retain a min of 200 psi over precharge on closing manifold w/o use of closing unit pumps. Fluid reservoir capacity double accumulator capacity w/ level maintained to specs. Accumulator precharge test conducted prior to connecting closing unit to BOP stack & every 6 months min. Accumulator pressure corrected if precharge above or below max or min limits (nitrogen gas precharge).

Power for closing unit pumps available all times so pumps auto start when manifold pressure decreases to preset level. BOP closing units w/ no. and sizes of pumps so w/ accumulator system isolated pumps can open hydraulic gate vlv if equipped, close annular preventer on smallest drill pipe in 2 minutes and obtain min 200 psi over precharge.

Hand wheels or auto locking device installed. A vlv installed in closing line close to annular preventer f/ locking device. Vlv will be open, closed only when power source inoperative.

Pressure tests w/ wtr, or clear liquid for subfreezing w/ vis similar to wtr. Rams tested to WP if isolated by test plug, 70% csg burst if not isolated. Pressure maintained 10 minutes or requirements are met. If test plug used, no bleed-off acceptable. W/o test plug, decline in pressure >10% in 30 min considered failure. Vlv on csg head below test plug open during testing. Annular preventers tested 50% WP. Pressure maintained 10 min or requirements of test met. Test at installation, seal subject to test pressure broken, following repairs, and 30-day intervals. Valves tested f/ WP side w/ down stream vlvs open. When testing kill line vlvs check vlv held open or ball removed. Annular preventers operated weekly. Rams activated each trip not > daily. BOPE drills conducted weekly each crew. Tests/drills recorded in log.

Notice will be given with sufficient lead time for the BLM to be on location during BOPE pressure testing.

4. Casing and Cementing Program

<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"	8-5/8"	24#	K55	ST&C	New	300'
7-7/8"	5-1/2"	15.5#	K55	LT&C	New	TD

8-5/8" surface csg cmtd to surface by primary or remedial cmtg. Surface csg will have centralizers every 4th jt f/ shoe jt to bottom of cellar. Top plug & bottom plug or preflush fluid will be used.

Csg strings will be pressure tested to 0.22 psi/ft of string length or 1500 psi, whichever greater, but not >70% of burst. If pressure drop >10% in 30 min, corrective action will be taken.

Notice will be given with sufficient lead time for the BLM to be on location when running casing strings and cementing.

5. Drilling Mud Program

<u>Interval</u>	<u>Mud Weight lbs/gal</u>	<u>Viscosity sec/qt</u>	<u>Fluid Loss ml/30 min</u>	<u>Mud Type</u>
0-300'	---	---	---	air
300'-TD	8.4	27	no control	water

Visual mud monitoring will be used to detect volume changes indicating loss/gain of mud volume. A mud test will be performed every 24 hrs.

Testing, Coring, Logging and Sampling

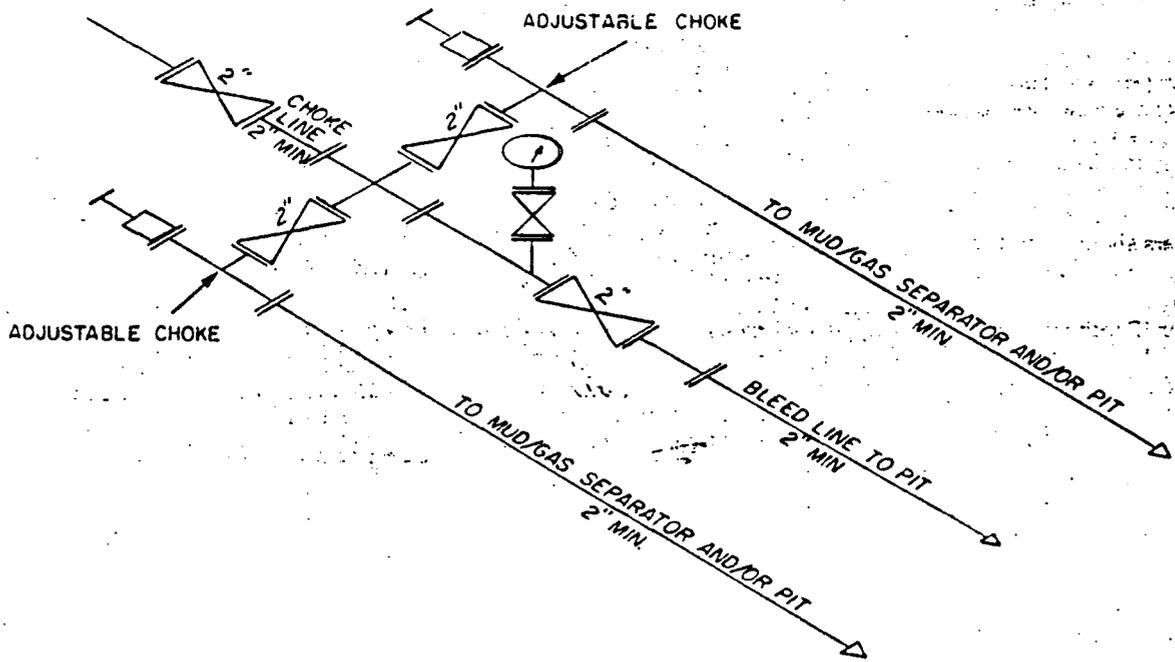
- a. Testing: None
- b. Coring: None
- d. Logging: Two man mudlogging unit 3500' - TD
DLL/MSFL/SP/GR 2" & 5" TD - surface casing
CDL/DSN/GR/CAL 2" & 5" TD - surface casing
- c. Sampling: 10' intervals 3500' - TD

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards

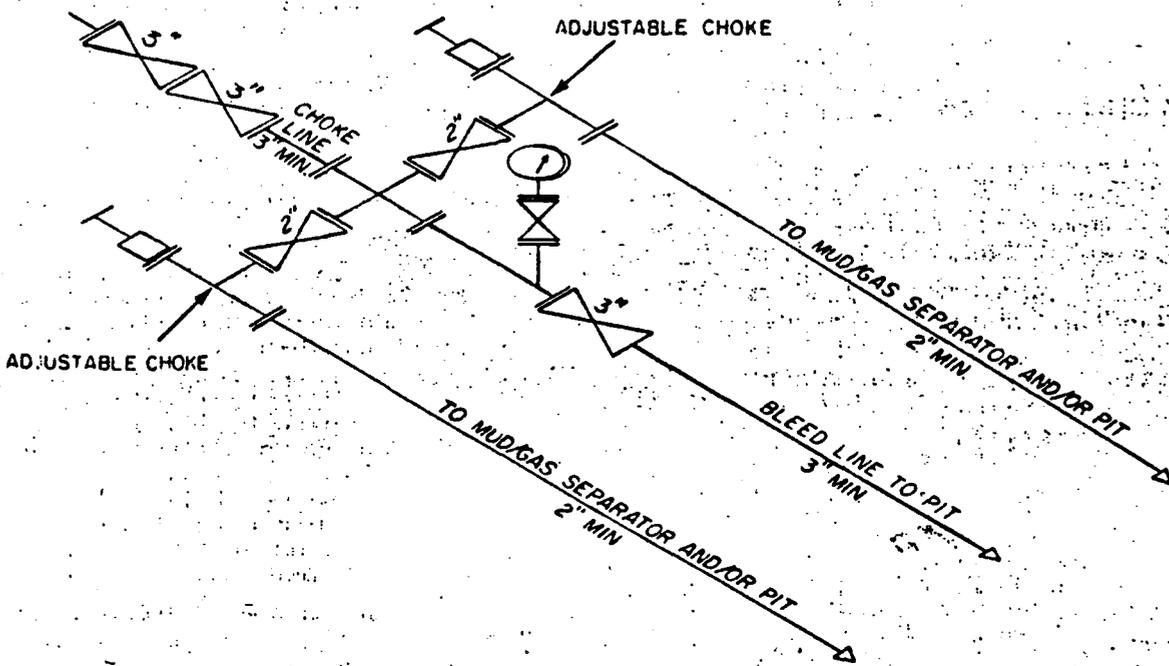
Normal pressures and temperatures are expected. No hazardous gases are expected. Anticipated pore pressure is 2475 psi with a frac gradient of about 0.75. Expected mud hydrostatic pressure is 2850 psi.

8. Anticipated Starting Dates and Duration of Operations

Location construction is scheduled for May, 1990 with drilling begun promptly afterward. Drilling should take about 7-9 days. Completion operations will begin shortly thereafter and should last about two weeks. Production equipment installation and hookup will follow completion and the well should be on production within 90 days of spud.



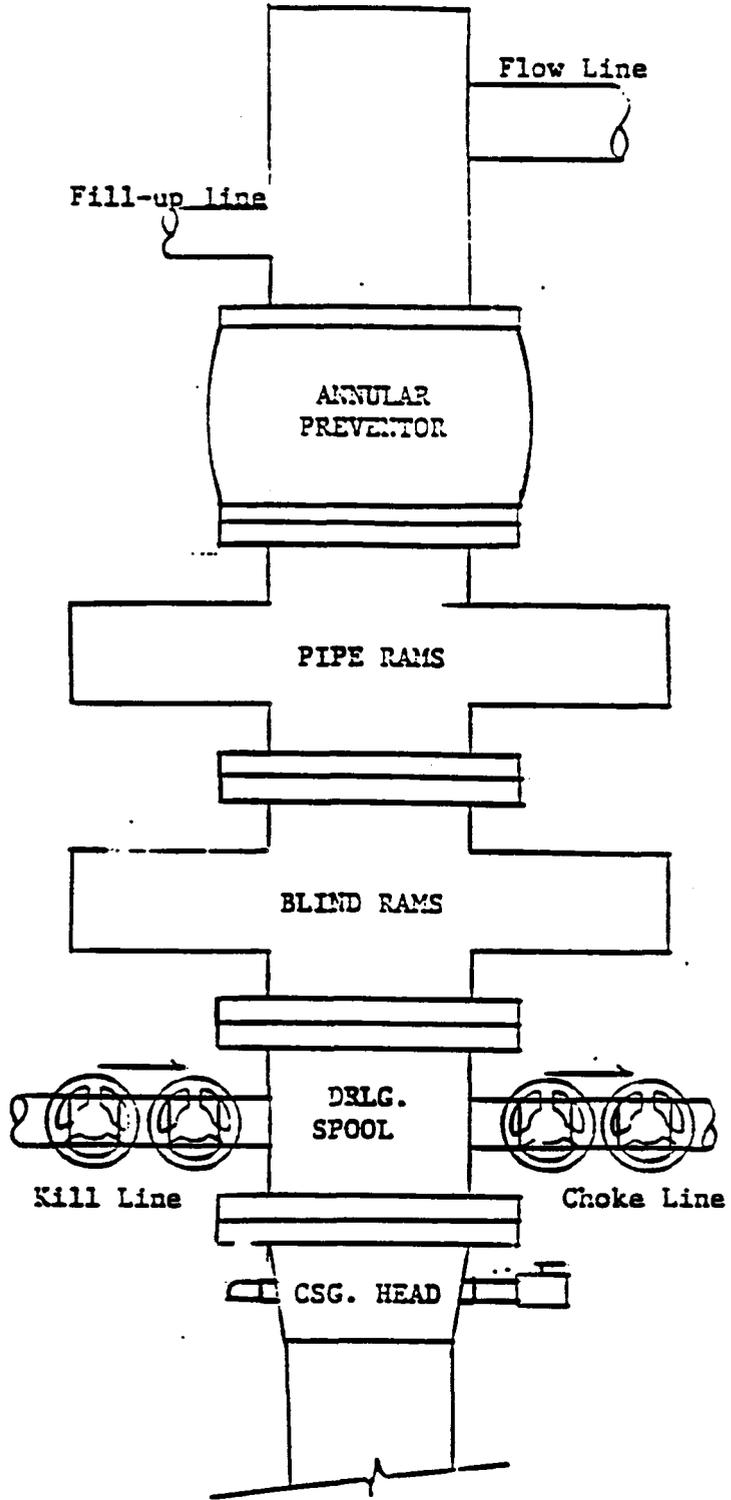
2M CHOKES MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY



3M CHOKES MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

PG&E Resources Company

Blowout Preventer Diagram



Surface Use Plan

Company: PG&E Resources Company
5950 Berkshire Ln Ste 600
Dallas, Texas 75225
214-750-3800

Well: 21-4-G Federal
Sec.4-T9S-R16E
Duchesne Co., Utah
Lease No. U-30096

The BLM will be notified 24-48 hrs in advance so that site construction may be monitored. Notification will be given to Ralph Brown or Tim O'Brien in Mernal, Utah at 801-789-1362.

1. Existing Roads

To reach the 21-4-G Federal travel SW from Myton, Utah on Hwy 40 1.5 miles then south on Pleasant Valley Road 7.8 miles to the BLM cattleguard then right 4.6 miles then left 400 feet to location (map attached).

2. Planned Access Road

The access road will be constructed as follows (map attached):

- A. Length: 400 feet.
- B. Width: 30 foot right-of-way, 18 foot travelway.
- C. Maximum grade: 6 %.
- D. Turnouts: None.
- E. Drainage design: Crowned, borrow ditches.
- F. Culverts, bridges, major cuts/fills: Water diversions as needed.
- G. Surfacing materials and source: Native-location & access road.
- H. Gates, cattleguards, fence cuts: None.
- I. Access road surface ownership: BLM.

3. Location of Existing Wells - See attached map.

4. Location of Tanks and Production Equipment

Prior to installation of production facilities, facility plans will be approved by Sundry. Facilities will be on the cut portion of location. All above ground permanent structures remaining more than 6 months will be painted Desert Tan (10YR6/3) within 6 months of installation except for facilities complying with OSHA regulations.

The tank battery will be surrounded by a dike sufficient to contain at least the contents of the largest tank in the battery. The tank battery will be on the NW side of location.

5. Location and Type of Water Supply

Water to be used for drilling this well will be hauled by truck from Pleasant Valley. If this source is not used, arrangements will be made with proper authorization for an alternate source. PG&E will be responsible for acquiring the necessary water permit.

6. Source of Construction Material

All construction materials for the location and access road will be borrow materials accumulated during construction of the well site. If fill materials are needed, permits will be obtained from the BLM or materials acquired from a commercial source.

7. Methods of Handling Waste Disposal

Sewage disposal will be comply with State and Local regs. Trash will be contained in a trash cage and emptied in an approved landfill at end of drilling activities. Burning will not be allowed.

A reserve pit will be constructed as shown on the pad diagram and may be lined, as determined by PG&E or the BLM at construction, with a nylon reinforced liner (min 10 mil) and bedded with straw to avoid puncture. The liner will be torn and perforated before backfilling. The bottom of the reserve pit will not be in fill material.

Produced waste water will be confined to the reserve pit not more than 90 days after first production. During this period an application for a permanent disposal method and location, along with a water analysis if required, will be submitted for approval.

8. Ancillary Facilities - Camp facilities or airstrips will not be required.

9. Well Site Layout

The reserve pit will not be allowed to drain or leak or be on a natural drainage. Waste or discharge will not be allowed in any drainage. Any hydrocarbons on the pit will be removed as soon as possible after drilling and liquids allowed to evaporate before backfilling.

The reserve pit will be on the north side, stockpiled topsoil on the NW side between pts 2 & 3, access from the east between pts 7 & 8.

The reserve pit will be fenced on three sides during drilling and fourth side fenced when the rig moves off. All pits fenced as follows: 39" net wire <2" above ground w/ 1 strand barbed wire 3" above top of net wire, total fence height 42" or more, corner posts cemented or braced to keep fence tight, standard steel posts between corner braces no more than 16' apart, all wire stretched before attached to corner posts.

10. Plans for Restoration of the Surface

Immediately after drilling, the area will be cleared of debris, materials, trash, junk and equipment not required for production.

The reserve pit will be completely dry and trash removed before restoration takes place. The reserve pit and portion of the location not needed for production will be reclaimed. The reserve pit will be reclaimed within 90 days of well completion.

Disturbed areas will be recontoured to the approximate natural contours. Stockpiled topsoil will be distributed evenly over the disturbed areas. Prior to reseeding, all disturbed areas will be scarified to a rough surface. Seed will be broadcast or drilled between September 15 and when the ground freezes. If broadcast, an implement will be dragged over the seeded area to assure seed coverage and the seed mixture doubled. The seed mixture will be determined by the BLM in the APD or at the time of restoration. If seeding is unsuccessful, PG&E will make reseedings.

11. Surface Ownership

The surface for all roads and the well location is under the jurisdiction of the Department of the Interior, Bureau of Land Management.

12. Other Information

PG&E is responsible for informing all persons associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites or collecting artifacts. If historic or archaeological materials are uncovered during construction, PG&E will immediately stop work that might further disturb such materials, and contact the BLM.

Use of pesticides, herbicides or other hazardous chemicals will be approved for use prior to application.

Flare pit will be located a minimum of 30' from the reserve pit fence and 100' from the wellbore on the downwind side of the location between points 6 & D. Fluids will be removed within 48 hrs of occurrence.

The BLM will be notified upon site completion before moving in the drilling rig.

Drilling rigs/equip will not be stacked on BLM lands w/o BLM approval.

13. Lessee or Operator Representative and Certification

Name: Michael L. McMican
Title: Petroleum Engineer
Address: PG&E Resources Company
5950 Berkshire Lane, Suite 600
Dallas, Texas 75225
Phone: 214-750-3800

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 PG&E Resources Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date

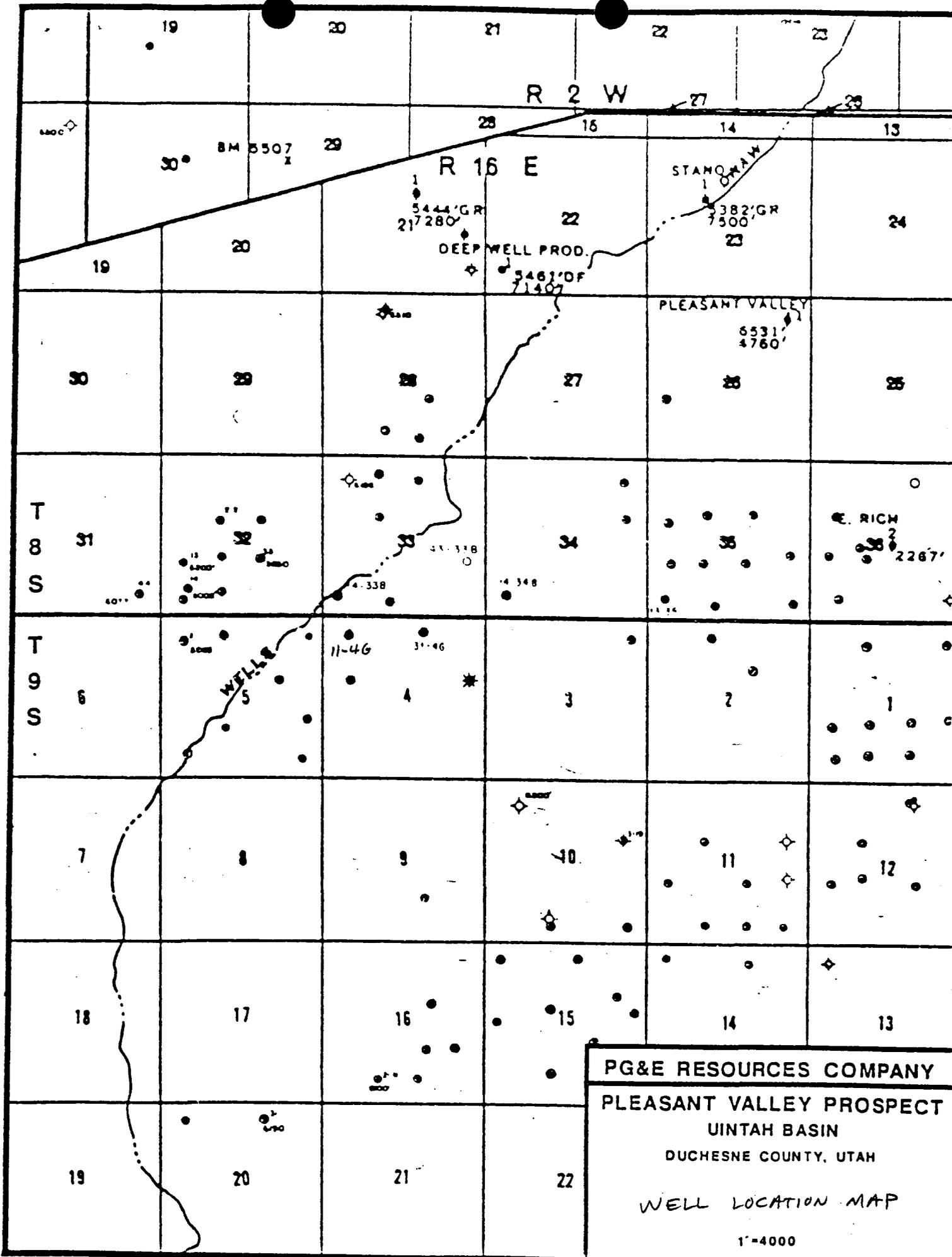
Michael L. McMican
Petroleum Engineer

Onsite Date: 3-12-90
Participants on Joint Inspection:
C.M. Heddleson - PG&E
Ralph Brown - BLM

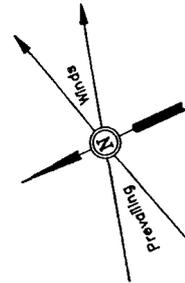
Self-certification Statement

Under the Federal regulations in effect as of June 15, 1988, designation of operator forms are no longer required when the operator is not 100% record title holder. Operators are now required to submit this self-certification statement to the appropriate Bureau office.

Please be advised that PG&E Resources Company is considered to be the operator of well 21-4-G Federal located NE 1/4 NW 1/4 Sec. 4, T9S, R16E, lease #U-30096, in Duchesne County, Utah, and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage provided by Pacific Indemnity, bond ID # 8101-04-97.



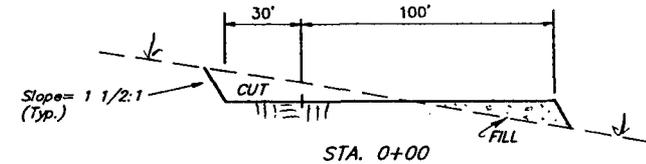
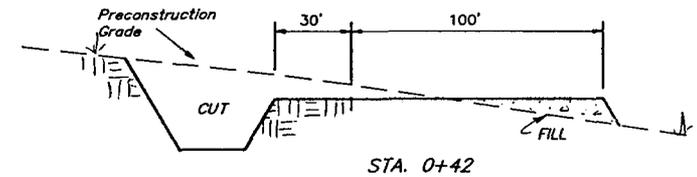
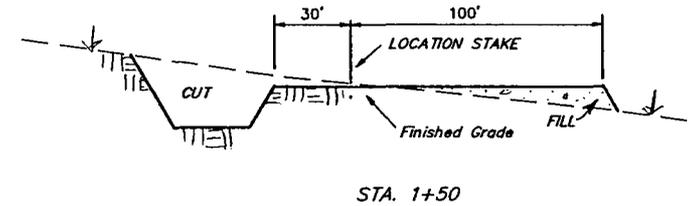
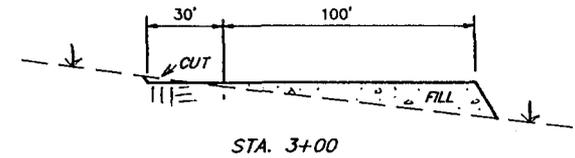
PG&E RESOURCES COMPANY
 LOCATION LAYOUT FOR
 21-4-G FEDERAL MONUMENT BUTTE
 SECTION 4, T9S, R16E, S.L.B.&M.



SCALE: 1" = 50'
 DATE: 2-22-90

X-Section
 Scale
 1" = 50'

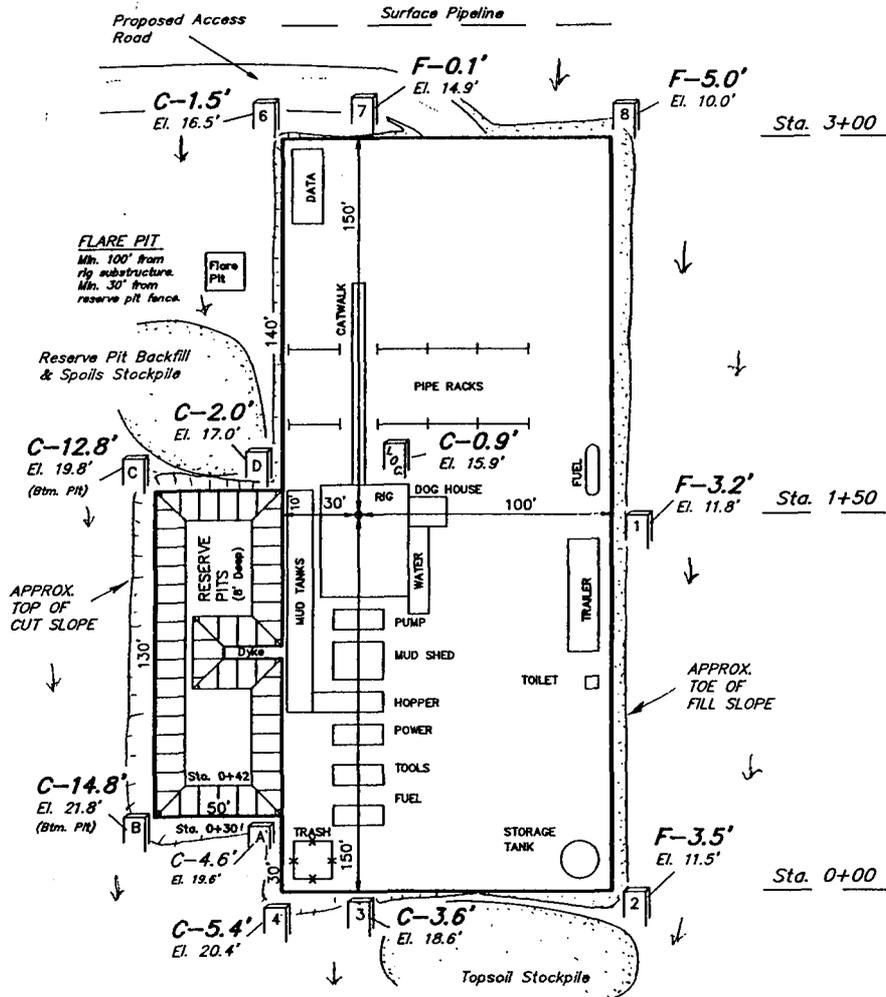
TYP. LOCATION LAYOUT
 TYP. CROSS SECTIONS



Elev. Ungraded Ground at Location Stake = 5715.9'

Elev. Graded Ground at Location Stake = 5715.0'

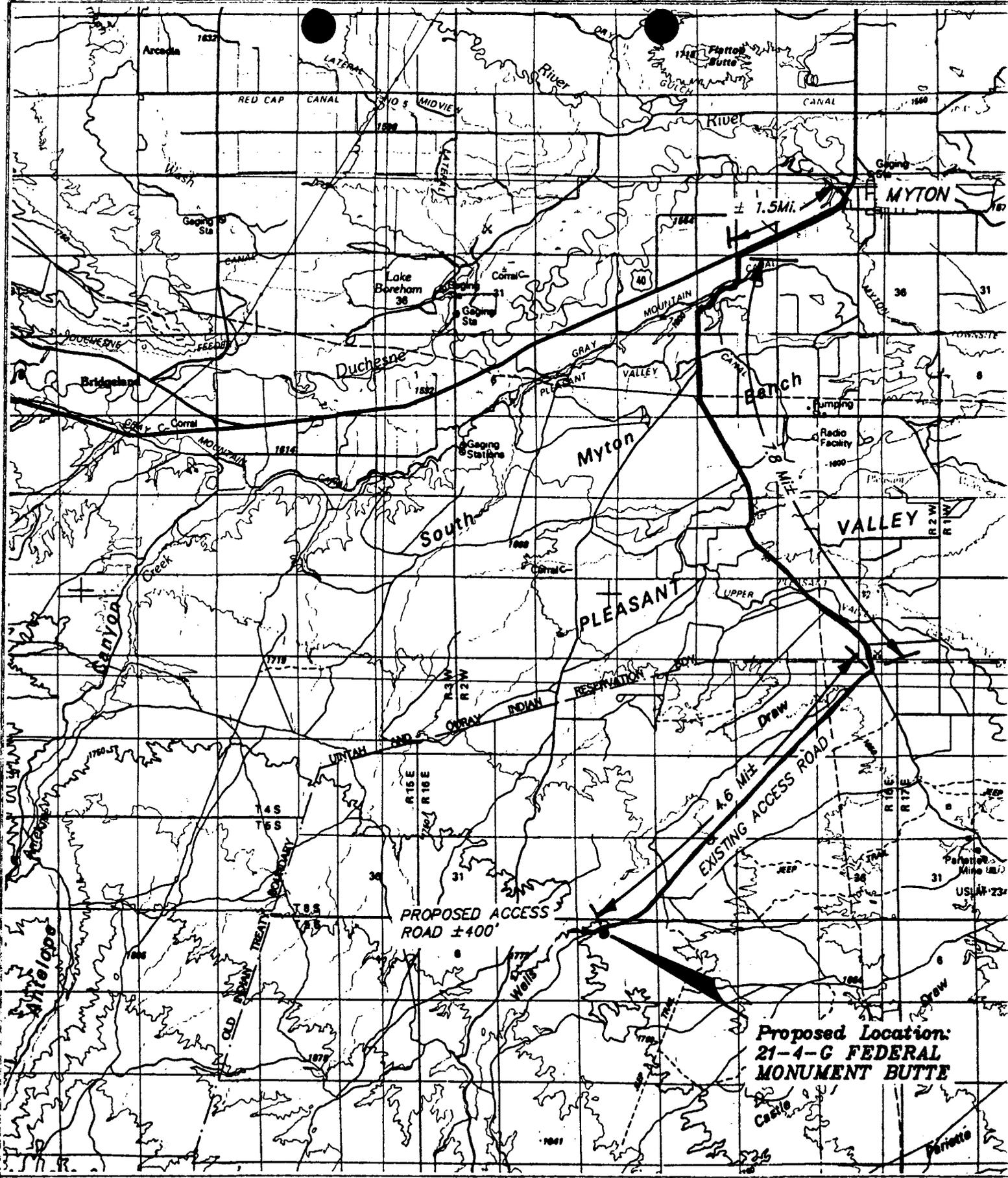
UINTAH ENGINEERING & LAND SURVEYING
 P.O. Box 1768 Vernal, Utah



APPROXIMATE YARDAGES

CUT		EXCESS MATERIAL AFTER	
(6") Topsoil Stripping	= 843 Cu. Yds.	5% COMPACTION	= 1,432 Cu. Yds.
Pit Volume (Below Grade)	= 1,162 Cu. Yds.	Topsoil & Pit Backfill	= 1,424 Cu. Yds.
Remaining Location	= 1,843 Cu. Yds.	(1/2 Pit Vol.)	
TOTAL CUT	= 3,853 CU.YDS.	EXCESS UNBALANCE	= 8 Cu. Yds.
FILL	= 2,300 CU.YDS.	(After Rehabilitation)	

EXCESS MATERIAL AFTER	
5% COMPACTION	= 1,432 Cu. Yds.
Topsoil & Pit Backfill	= 1,424 Cu. Yds.
(1/2 Pit Vol.)	
EXCESS UNBALANCE	= 8 Cu. Yds.
(After Rehabilitation)	



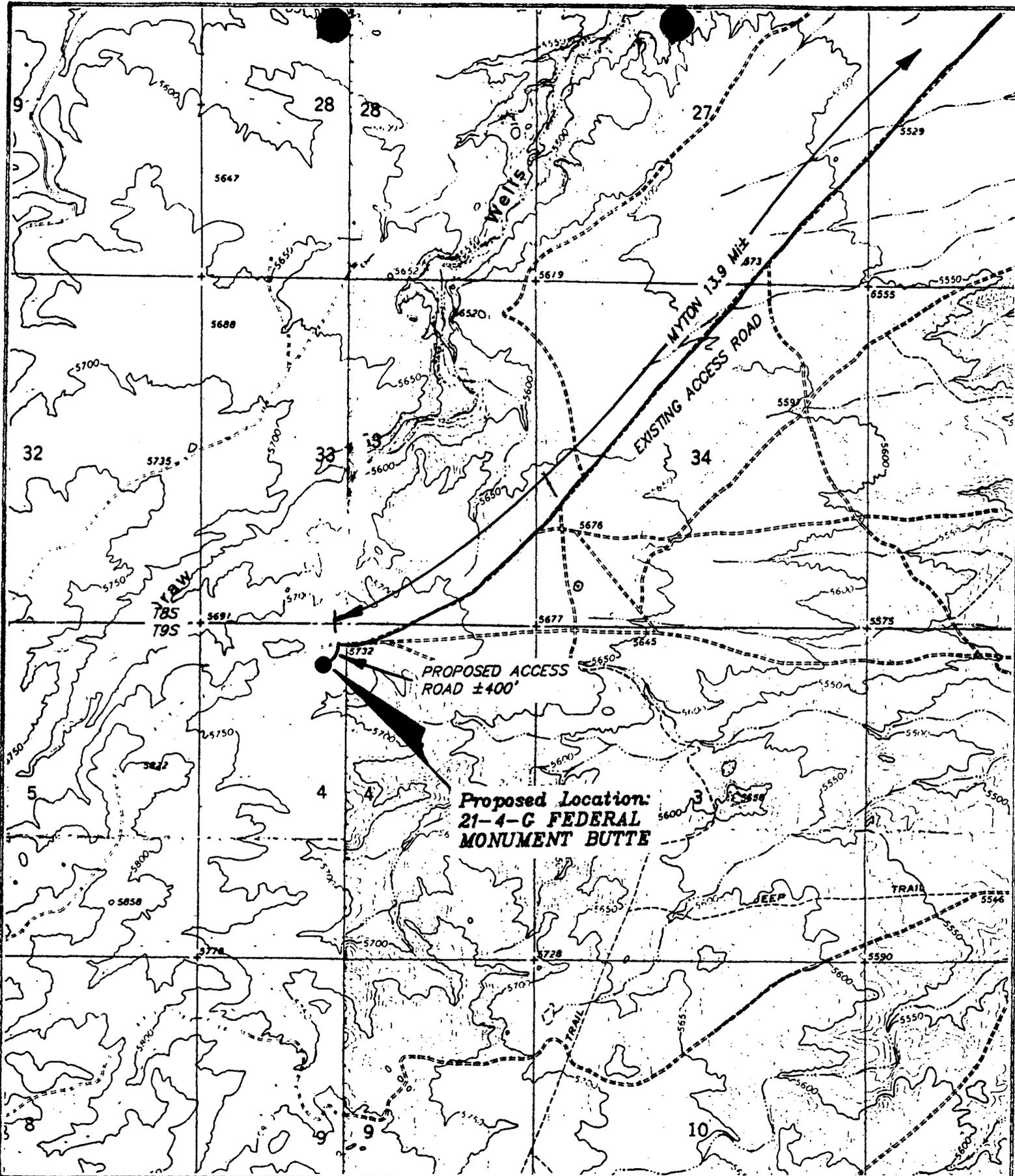
**Proposed Location:
21-4-G FEDERAL
MONUMENT BUTTE**

**TOPOGRAPHIC
MAP "A"**

2-7-90



PG&E RESOURCES COMPANY
21-4-G FEDERAL MONUMENT BUTTE
SECTION 4, T9S, R16E, S.L.B.&M.



TOPOGRAPHIC
 MAP "B"
 SCALE: 1" = 2000'
 2-7-90

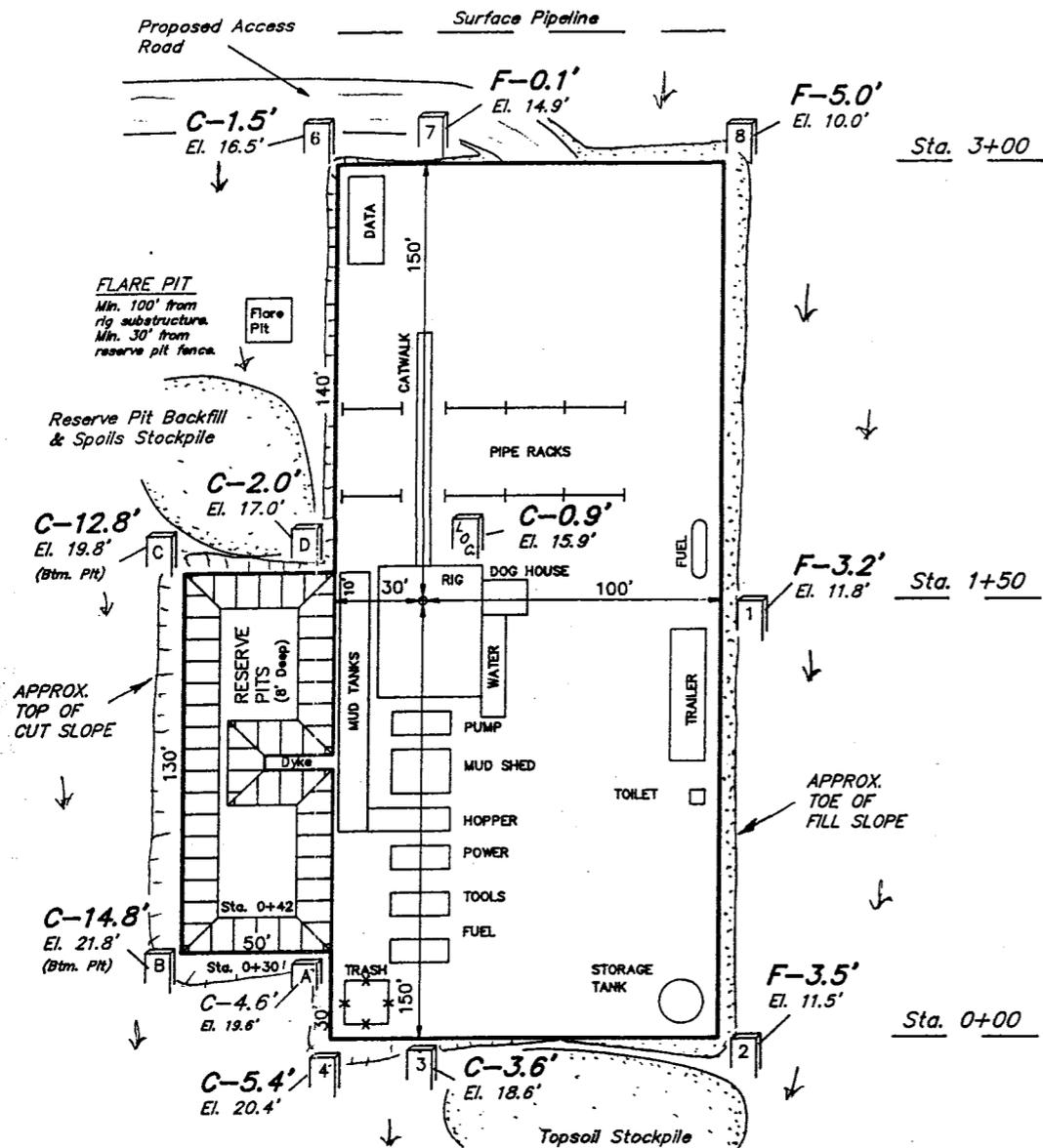


PG&E RESOURCES COMPANY
 21-4-G FEDERAL MONUMENT BUTTE
 SECTION 4, T9S, R16E, S.L.B.&M.

PG&E RESOURCES COMPANY

LOCATION LAYOUT FOR

21-4-G FEDERAL MONUMENT BUTTE
SECTION 4, T9S, R16E, S.L.B.&M.



APPROXIMATE YARDAGES

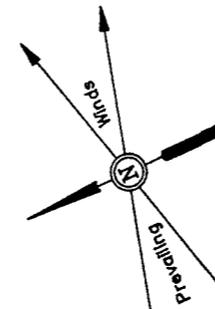
CUT
(6") Topsoil Stripping = 843 Cu. Yds.
Pit Volume (Below Grade) = 1,162 Cu. Yds.
Remaining Location = 1,843 Cu. Yds.

TOTAL CUT = 3,853 CU.YDS.

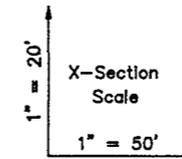
FILL = 2,300 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 1,432 Cu. Yds.
Topsoil & PIT Backfill
(1/2 Pit Vol.) = 1,424 Cu. Yds.

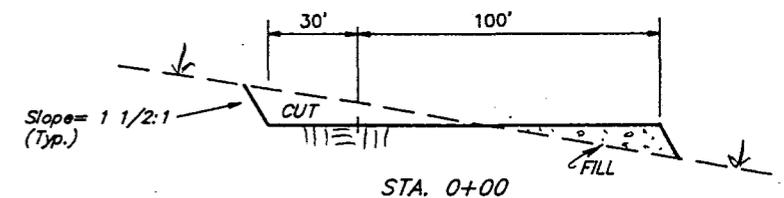
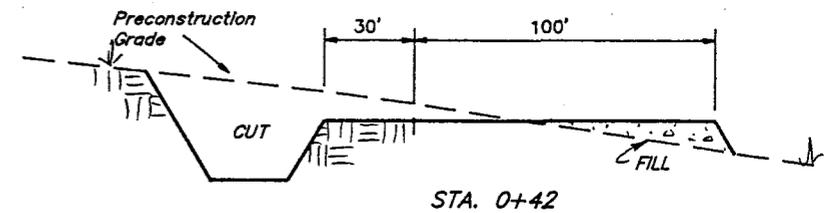
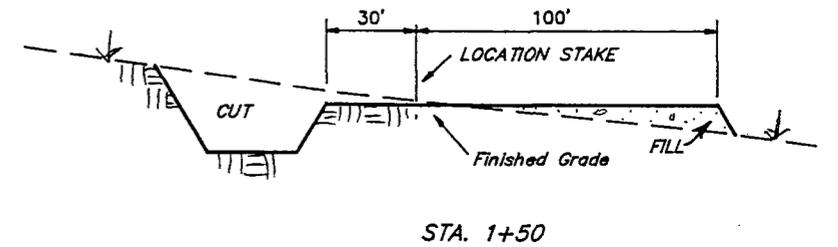
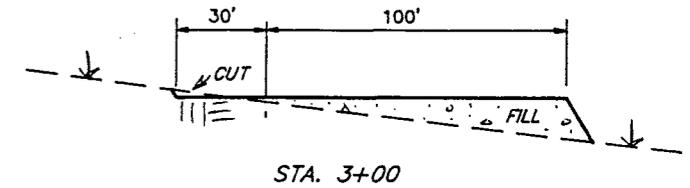
EXCESS UNBALANCE
(After Rehabilitation) = 8 Cu. Yds.



SCALE: 1" = 50'
DATE: 2-22-90



TYP. CROSS SECTIONS
TYP. LOCATION LAYOUT



Elev. Ungraded Ground at Location Stake = 5715.9'

Elev. Graded Ground at Location Stake = 5715.0'

OPERATOR PG&E Resources Company (N0595) DATE 4-9-90

WELL NAME Federal 21-4-B

SEC NENW 4 T 9S R 16E COUNTY Duchesne

43-013-31272
API NUMBER

Federal (17)
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD (S)

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920' (sec. 4 & 8S 16E Sec. 33)
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. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

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

April 18, 1990

PG&E Resources Company
5950 Berkshire Lane, Suite 600
Dallas, Texas 75225

Gentlemen:

Re: Federal 21-4-G - NE NW Sec. 4, T. 9S, R. 16E - Duchesne County, Utah
760' FNL, 1958' FWL

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 43-013-31272.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

lcr
Enclosures
cc: Bureau of Land Management
D. R. Nielson
J. L. Thompson
WE14/31-32

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
21-4-G

10. FIELD AND POOL, OR WILDCAT
Monument Butte

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

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

RECEIVED
APR 26 1990
DIVISION OF
OIL, GAS & MINING

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
PG&E Resources Company

3. ADDRESS OF OPERATOR
5950 Berkshire Lane, Suite 600, Dallas, Texas 75225

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1,958' FWL, 760' FNL NE/NW (Lot 3)
At proposed prod. zone
43-013-31272

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

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

16. NO. OF ACRES IN LEASE
1,320

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

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5,715' GR

22. APPROX. DATE WORK WILL START*
May, 1990

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	To surface
7 7/8"	5 1/2"	15.5#	TD	As required

Attachments:

- Drilling Program
- Surface Use Plan
- Survey Plat
- Cut & Fill Diagram
- Topo Maps
- Well Location Map
- Choke Manifold Diagram
- Blowout Preventer Diagram



Original & 2 copies: BLM - Vernal; 2 copies Div. Oil, Gas & Mining - Salt Lake City

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 TITLE Petroleum Engineer DATE 4/2/90
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE 4-24-90
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.

44-080-0m18

Div 0100/4

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company PG&E Resources Company Well No. 21-4-G

Location Lot 3 (NENW) Sec. 4 T9S R16E Lease No. U-30096

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.

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 Orders, 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.

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

A. DRILLING PROGRAM

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

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. 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.

All usable 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.

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 on location during pressure testing.

3. Casing Program and Auxiliary Equipment

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 from +420-460 ft. and +540-570 ft. in the Uinta Formation. Saline water may be encountered from +1730-1930 ft. in the Uinta Formation and from +2770-2850 ft., +4070-4300 ft., +4670-4730 ft., +4980-5020 ft. and +5110-5330 ft. in the Green River Formation. The Mahogany oil shale and L1 oil shale have been identified from +2930-3010 ft. and +3100-3160 ft. respectively. Therefore, as a minimum, the resources will be isolated and/or protected via the cementing program for the production by having a cement top for the production casing at least 200 ft. above the oil shale. If useable water is encountered, it will need to be isolated and/or protected from any saline water downhole.

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

4. Mud Program and Circulating Medium

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

5. Coring, Logging and Testing Program

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

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the Authorized Officer. 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 unless prior approval is obtained from the Authorized Officer.

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

6. Notifications of Operations

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.

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

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

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.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil and Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

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 Orders, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

7. Other Information

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

All site security guidelines identified in Onshore Oil and Gas Order No. 3 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 Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 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 work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

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

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

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

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

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

In the event after-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

FAX Phone Number is: 789-3634

Revised October 1, 1985

Date NOS Received 2/26/90

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

Company/Operator PG&E Resources Co.

Well Name & Number 21-4-G

Lease Number U-30096

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

Surface Ownership Federal

B. THIRTEEN POINT SURFACE USE PROGRAM:

1. Planned Access Roads

All travel will be confined to well pad and road rights-of-way.

Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

RECEIVED
MAY 09 1990

May 7, 1990

DIVISION OF
OIL, GAS & MINING



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

Attention: Tammy Searing

Dear Tammy:

We request the following wells be placed in a confidential status:

Well #33-33-B Federal
NW/SE Sec. 33, T8S, R16E - 43-013-31068
Duchesne County, UT

Well #34-33-B Federal
SW/SE Sec. 33, T8S, R16E 43-013-31069
Duchesne County, UT

Well #44-33-B Federal
SE/SE Sec. 33, T8S, R16E - 43-013-31070
Duchesne County, UT

Well #13-34-B Federal
NW/SW Sec. 34, T8S, R16E 43-013-31071
Duchesne County, UT

Well #21-4-G Federal
NE/NW Sec. 4, T9S, R16E 43-013-31072
Duchesne County, UT

Well #22-5-G Federal
SE/NW Sec. 5, T9S, R16E 43-013-31073
Duchesne County, UT

Thank you for your cooperation. If you have any questions, please call me.

Sincerely,

Karla Hanberg
Karla Hanberg

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: P G & E Resources

WELL NAME: Federal 21-4-G

SECTION NENW 4 TOWNSHIP 9S RANGE 16E COUNTY Duchesne

DRILLING CONTRACTOR Leon Ross

RIG # _____

SPUDDED: DATE 6/2/90

TIME 10:00 a.m.

HOW Dry Hole Digger

DRILLING WILL COMMENCE approx. 6/18/90 - Exeter Righ #7

REPORTED BY Karla Hanberg

TELEPHONE # 789-4573

DATE 6/4/90 SIGNED TAS

ENTITY ACTION FORM - FORM 6

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

OPERATOR ACCT. NO. N0595

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	11107	4301331272	Federal 21-4-G	NENW	4	9S	16E	Duchesne	6/2/90									
<p>WELL 1 COMMENTS: JUN 06 1990</p> <p>Federal - Lease Field - monument Butte Unit - N/A</p> <p>Proposed Zone - GRV (New entity 11107 added 6-11-90) JCR</p>																			
<p>WELL 2 COMMENTS:</p> <table border="1" style="float: right;"> <tr><th colspan="2">OIL AND GAS</th></tr> <tr><td>DRN</td><td>RJF</td></tr> <tr><td>JR3</td><td>GLH</td></tr> <tr><td>ETS</td><td>SLS</td></tr> </table>												OIL AND GAS		DRN	RJF	JR3	GLH	ETS	SLS
OIL AND GAS																			
DRN	RJF																		
JR3	GLH																		
ETS	SLS																		
<p>WELL 3 COMMENTS:</p> <table border="1" style="float: right;"> <tr><td>2</td><td>MICROFILM Cont.</td></tr> <tr><td>3</td><td>FILE</td></tr> </table>												2	MICROFILM Cont.	3	FILE				
2	MICROFILM Cont.																		
3	FILE																		
<p>WELL 4 COMMENTS:</p>																			
<p>WELL 5 COMMENTS:</p>																			

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.

Connie Mabley
Signature
Production Clerk
Date 6/5/90
Phone No. (801) 789-4573

CONFIDENTIAL

Form 3160-5
(December 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED
JUN 06 1990
DIVISION OF OIL, GAS & MINING

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. U-30096
2. Name of Operator PG&E Resources Company		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 85 South 200 East, Vernal, UT 84078 801-789-4573		7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1958' FWL, 760' FNL NE/NW Section 4, T9S, R16E		8. Well Name and No. 21-4-G
		9. API Well No. 43-013-31272
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Duchesne County, Utah

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

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

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

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

Operator reports the subject well was spud at 10 a.m. June 2, 1990 by Leon Ross Drilling (dryhole digger). Approximately 300' of 8-5/8" surface casing was set and cemented. Exeter Rig 7 is expected to move on location June 18, 1990.

Spud date reported verbally to BLM-Vernal office and Div. of Oil, Gas & Mining.

CONFIDENTIAL

OIL AND GAS	
DWH	RIF
JRB	GLH
DYS	SLS
1-TAS	
MICROFILM	
3-	FILE
Date	June 4, 1990

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

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

Signed Karla Sanberg Title Office Supervisor

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

CONFIDENTIAL

RECEIVED

AUG 20 1990

Form 3160-5
(December 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DIVISION OF
OIL, GAS & MINING

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-30096
2. Name of Operator PG&E Resources Company	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 85 South 200 East, Vernal, UT 84078 801-789-4573	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1958' FWL, 760' FNL NE/NW Section 4, T9S, R16E	8. Well Name and No. 21-4-G
	9. API Well No. 43-013-31272
	10. Field and Pool, or Exploratory Area Monument Butte
	11. County or Parish, State Duchesne County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
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	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

Weekly Status Report
(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.)*

08/08/90: MIRU completion rig. PU 4-3/4" bit & 5 1/2" csg scraper. RIH w/2-7/8" tbg to 6242'. Displace w/tbg.

08/09/90: Run CBL from 6242-2000'. TOC @ 1100'. Press tst csg to 3500 psi, RIH w/4" csg gun & perf 6108-17', 4 spf 90° phasing. Broken dn form @ 3100 psi, PI rate 2 1/2 BPM @ 2000 psi. ISIP: 1800 psi (.73 FG).

08/10/90: RU Western & frac Lower "F" zone @ 6108-17' w/40720# snd (23M# 20/40 & 17.7M# 16/30) in 542 bbls gelled wtr. Avg treating press 2200# @ 25 BPM. ISIP 2100#, 15" - 1880#.

08/11/90: SITP 1350 psi. Blew press down in 2 hrs. Rec'd 80 bbl frac fluid, RIH & tag sand @ 6129. Clean out to RBP @ 6200. Move RBP to 5940 & tst. Perf 5794-5802 & 5830-5839, 4 spf, RIH w/pkr & set @ 5815. Broke perfs dn @ 3500 psi, POOH w/pkr.

08/12/90: RU Western & frac above perfs w/32020# 20/40 sd ramped from 1-6 #/gal & 42265# 16/30 sd ramped from 6-7 ppg & 849 bbl gel. ISIP 2030, 5" 1850 psi, 10" 1800 psi, 15" 1780 psi.

08/13/90: SICP 900#. Blew down press in 2 hrs. RIH & tag sd @ 5898. Clean out to top of RBP @ 5940. Move RBP up to 5510 & tst. POOH. Perf 5398-5414 & broke dn perfs w/rig pump @ 3900 psi. ISIP 1100 psi.

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

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

Signed *L. Hanberg* Title Office Supervisor Date Aug. 16, 1990

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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

08/14/90: RU Western & frac 5398-5414 w/37400# 20/40 sd ramped 1-6 ppg & 49300# 16/30 ppg ramped 6-7 ppg & 885 bbl gel. ATP: 2550 psi, ar: 35 BPM, ISIP 2000 psi, 5" - 1900 psi, 10" 1800 psi, 15" - 1650 psi.

08/15/90: SICP = 850 psi. Blew 70 BW to pit. TIH, clean sd from 5417 to RBP @ 5510. Reset RBP @ 5080 & tst. POOH, perf DC₂ & DC₄ 4914-44, 4976-82 w/4" csg gun, 4 spf, 90° 45" hole. TIH. Set RTTS @ 4960. Broke lower perfs @ 2400 psi, upper perfs @ 3900 psi.

08/16/90: No activity. Frac of DC₂ and DC₄ postponed one day by Western.

OIL AND GAS	
DFN	RJF
JFB	GLH
DIS	SLS
1-Dme	
MICROFILM	
2	FK E

CONFIDENTIAL

Form 3160-5
(December 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
AUG 27 1990

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

SUBMIT IN TRIPLICATE

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-30096
2. Name of Operator PG&E Resources Company	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 85 South 200 East, Vernal, UT 84078 801-789-4573	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1958' FWL, 760' FNL NE/NW Section 4, T9S, R16E	8. Well Name and No. 21-4-G
	9. API Well No. 43-013-31272
	10. Field and Pool, or Exploratory Area Monument Butte
	11. County or Parish, State Duchesne County, Utah

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

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

Weekly Status Report
(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.)*

08/17/90: Frac DC₂ w/Western. Pad is 45% of liquid volume, Ramp 20/40 sand from 1-6 ppg, Ramp 16/30 sand from 6-7 ppg. Totals: 60,800# 20/40, 80,100# 16/30, 1303 BW. Avg. 2400 psi, SITP, 50 BPM.

08/18/90: SICP 0; TIH, clean sd from 4923 to RBPB @ 5080, POOH w/RBP. PU NC, 1 jt 2-7/8" tbg & SN; TIH, Circ 2% KCL. POOH, PU TA & TIH, ND BOP & NU wellhead. Set TA @ 4877'.

08/19/90: Flush tbg w/50 bbl hot 2% KCL. Run in 2 1/2" x 1-3/4" x 16' RHAC pump and rod string. Pressure check pump to 1100 psi. Rig down and release rig.

Wait on production equipment.

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

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

Signed Harla Hanberg Title Office Supervisor Date 8/24/90

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

*See Instruction on Reverse Side

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

Copy

OPERATOR PG&E Resources. Co. LEASE U-30096
WELL NO. 21-46 API 43-013-31272
SEC. 4 T. 95 R. 16E CONTRACTOR _____
COUNTY Duchesne FIELD Monument Butte

DRILLING/COMPLETION/WORKOVER:

APD WELL SIGN HOUSEKEEPING BOPE
 SAFETY POLL. CONTROL SURFACE USE PITS
 OPERATIONS OTHER

SHUT-IN ___/TA ___:

WELL SIGN HOUSEKEEPING EQUIPMENT* SAFETY
 OTHER

ABANDONED:

MARKER HOUSEKEEPING REHAB. OTHER

PRODUCTION:

WELL SIGN HOUSEKEEPING EQUIPMENT* FACILITIES*
 METERING* POLL. CONTROL PITS DISPOSAL
 SECURITY SAFETY OTHER

GAS DISPOSITION:

VENTED/FLARED SOLD LEASE USE

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

*FACILITIES INSPECTED: Loc. Wellhead, 2-400 Bbl Prod tanks
Pump Jack 100 Bbl. water tank & Line heater etc Pit.

REMARKS: Setting up Batteries

ACTION: _____

INSPECTOR: JLB DATE: 9-6-90

CONFIDENTIAL

Form 3160-5
(December 1989)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.
U-30096

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
21-4-G

9. API Well No.
43-013-31272

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State
Duchesne County, Utah

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

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)
1958' FWL, 760' FNL NE/NW
Section 4, T9S, R16E

OCT 05 1990

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

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

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

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

Operator reports the subject well was put on production October 2, 1990 at 12:30 p.m.
Well produced 349 bbls. of oil, 57 bbls. of water for the first 24 hrs.

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

OIL AND GAS

RJF

GIH

SLS

HDMB

MICROFILM

2 - FILE

Copies: Div. Oil, Gas & Mining; Chorney; SGoodrich; Central Files; Lynne Moon

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

Signed *Barla Hanberg* Title Office Supervisor Date 10/3/90

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any: _____

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

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-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

21-4-G

10. FIELD AND POOL, OR WILDCAT

Monument Butte

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

Sec. 4, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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

2. NAME OF OPERATOR
PG&E Resources Company

3. ADDRESS OF OPERATOR
85 South 200 East, Vernal, UT 84078 801-789-4573

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1958' FWL, 760' FNL NE/NW
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-013-31272 DATE ISSUED 4/18/90

15. DATE SPUDDED 6/2/90 16. DATE T.D. REACHED 6/15/90 17. DATE COMPL. (Ready to prod.) 8/18/90 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5715' GR 19. ELEV. CASINGHEAD 5715'

20. TOTAL DEPTH, MD & TVD 6350' 21. PLUG, BACK T.D., MD & TVD 6253' 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)* 4914-6117' Green River Formation 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DLL-CDL-DSN-CBL 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24# K55	305' KB	12-1/4"	210 sx "G"+2% CaCl ₂	None
5-1/2"	17" J55	6339'	7-7/8"	lead 145 sx Hi-Lift tail 530 sx 10-0 RFC	None

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"	6122'	Anchor @ 4877'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4914-44, 4976-82		4914-4982:	60800# 20/40, 80100# 16/30 sd
5398-5414	All 4 spf 0.45" holes 90 deg. phasing	5398-5414:	37400# 20/40, 49300# 16/30 sd
5794-5802		5794-5839:	32020# 20/40, 42265# 16/30 sd
5830-39		6108-6117:	17530# 20/40, 23190# 16/30 sd
6108-17			

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10/3/90		Pumping and flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/3/90	24	24	→	349	NA	57	NA
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
NA	200#	→	349	NA	57	38	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented for first few days, then sold. TEST WITNESSED BY Randy Miller

35. LIST OF ATTACHMENTS Site Security Diagram

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

SIGNED Mike McPherson TITLE Production Supt. DATE 10/8/90

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

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

MICROFICHE

✓

OPERATOR PG&E Resources LEASE Fee
 WELL NO. 21-4-G API 43-013-31272
 SEC. 4 T. 9S R. 16E CONTRACTOR _____
 COUNTY Dacheine FIELD Monument Butte

DRILLING/COMPLETION/WORKOVER:

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

SHUT-IN / TA _____ :

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

ABANDONED:

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

PRODUCTION:

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

STATUS DISPOSITION:

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

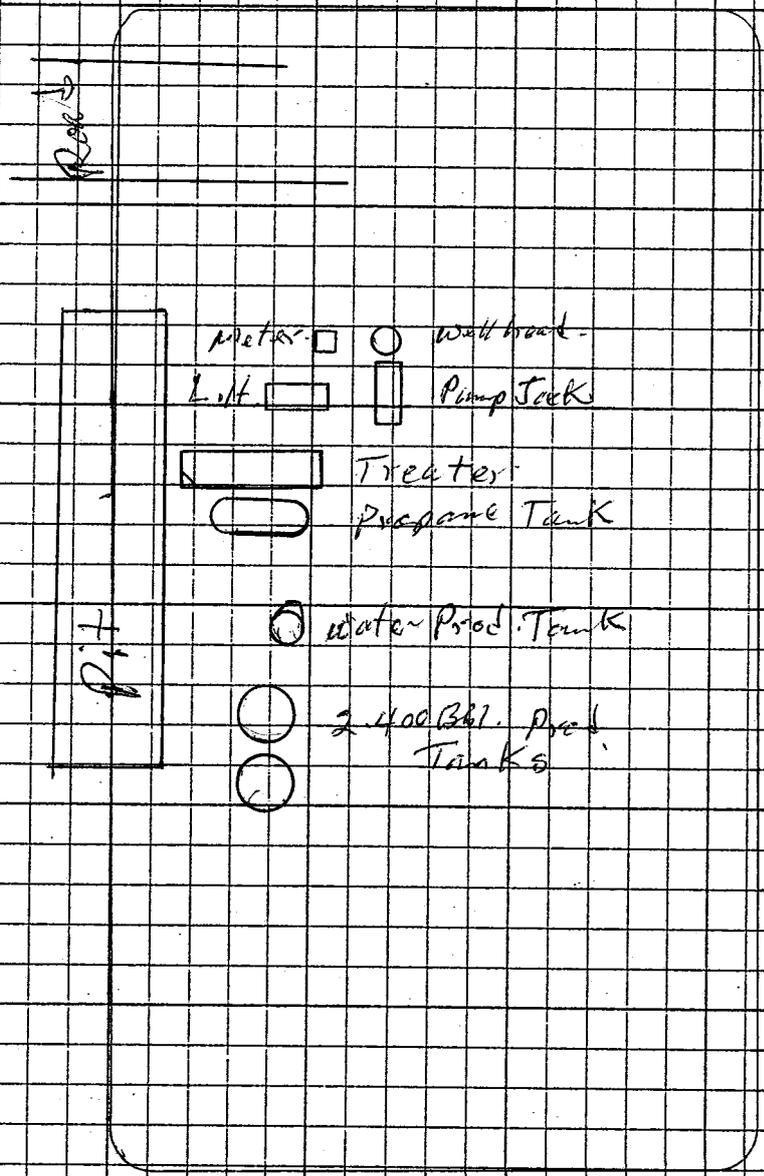
LEGEND: Y - YES OR SATISFACTORY
 N - NO OR UNSATISFACTORY
 NA - NOT APPLICABLE

*FACILITIES INSPECTED: Loc. w/H, PT, Meter Line heater Treater
Propane Tank, Water Prod Tank 2-400B61 Prod Tanks.
1 Pit -

REMARKS: POW - Diagram Reverse

ACTION:

INSPECTOR: JL13 DATE 10-16-90



Road

Pit

meter

Lift

Treater

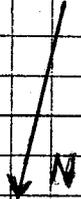
Propane Tank

well head

Pump Jack

water Prod. Tank

2 400 Bbl. Prod. Tanks



**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-30096

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

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)

**1958' FWL, 760' ENL NE/NW
Section 4, T9S, R16E**

8. Well Name and No.

21-4-G Federal

9. API Well No.

43-013-31272

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne, 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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	<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

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 or the Dave Murray Disposal Pond.

Operator also proposes construction of an emergency pit to be 10' 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 48 hrs.

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

Date: 11-9-90

By: [Signature]

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

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

Signed [Signature]

Title **Production Superintendent**

Date **11/6/90**

(This space for Federal or State office use)

Approved by **Federal Approval of this**

Title

Date

Conditions of approval, if any **Action is Necessary**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Confidential

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

5. Lease Designation and Serial No.
U-30096

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
21-4-G Federal

9. API Well No.
43-013-31272

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)

1958' FWL, 760' ENL NE/NW
Section 4, T9S, R16E

NOV 08 1990

DIVISION OF
OIL, GAS & MINING

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

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

NTL-2B

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

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Operator also proposes construction of an emergency pit to be 10' 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 48 hrs.

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

Date: 11-9-90

By: [Signature]

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

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

Signed [Signature]

Title Production Superintendent

Date 11/6/90

(This space for Federal or State office use)

Federal Approval of this

Approved by _____

Action is Necessary

Title _____

Date _____

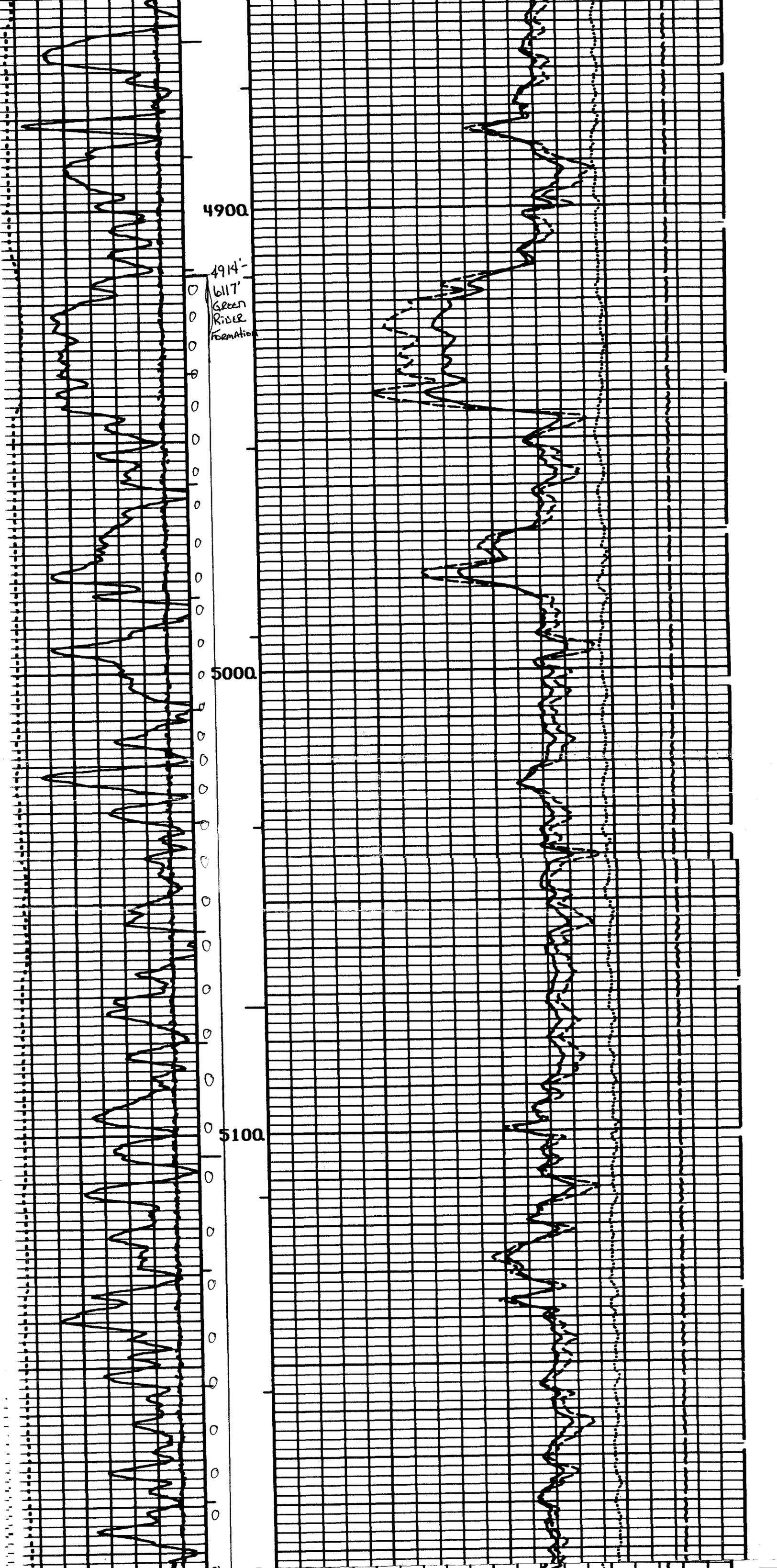
Conditions of approval, if any:

WELL FILE



COMPENSATED DENSITY DUAL SPACED NEUTRON

COMPANY P G AND E PRODUCTION CO	
WELL	FEDERAL 21-46
FIELD	MONUMENT BUTTES
COUNTY	DUCHESE
STATE	UT
API NO. NA	OTHER SERVICES
LOCATION NE/NW	DLL
1958 : FNL AND 760 : FNL	
SEC. 4	TWP 98 RGE 16E
PERMANENT DATUM CL	ELEV. 5715
LOG MEASURED FROM KB	15FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM KB	ELEV. : K.B. 5730 D.F. 5729 G.L. 5715
DATE	6/15/90
RUN NO.	ONE
DEPTH-DRILLER	6351
DEPTH-LOGGER	6350
BTM. LOG INTER.	6316
TOP LOG INTER.	304
CASING-DRILLER	8.625*300
CASING-LOGGER	304
BIT SIZE	7.875
TYPE FLUID IN HOLE	KCL/H2O
DENS. : VISC	8.4 127
PH : FLUID LOSS	11.5 INA
SOURCE OF SAMPLE	PIT
RM @ MEAS. TEMP.	.28 @70F
RMF @ MEAS. TEMP.	NA @NA
RMC @ MEAS. TEMP.	NA @NA
SOURCE RMF : RMC	NA INA
RM @ BHT	.18 @150
TIME SINCE CIRC.	7.5 HRS
TIME ON BOTTOM	22:30
MAX. REC. TEMP.	150 @T.D.
EQUIP. : LOCATION	51840 VERNL
RECORDED BY	J. CHAPMAN
WITNESSED BY	M. MCHICAN

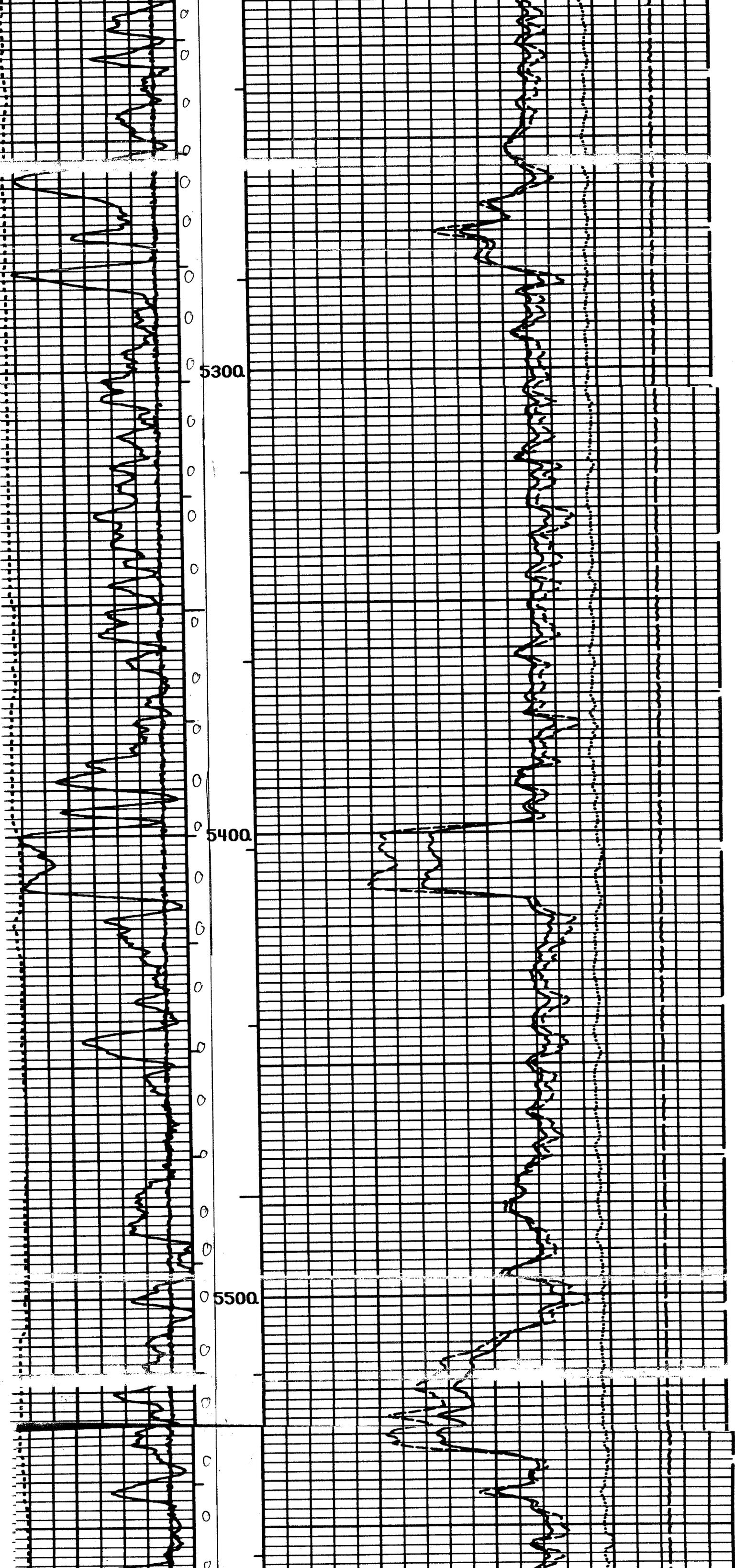


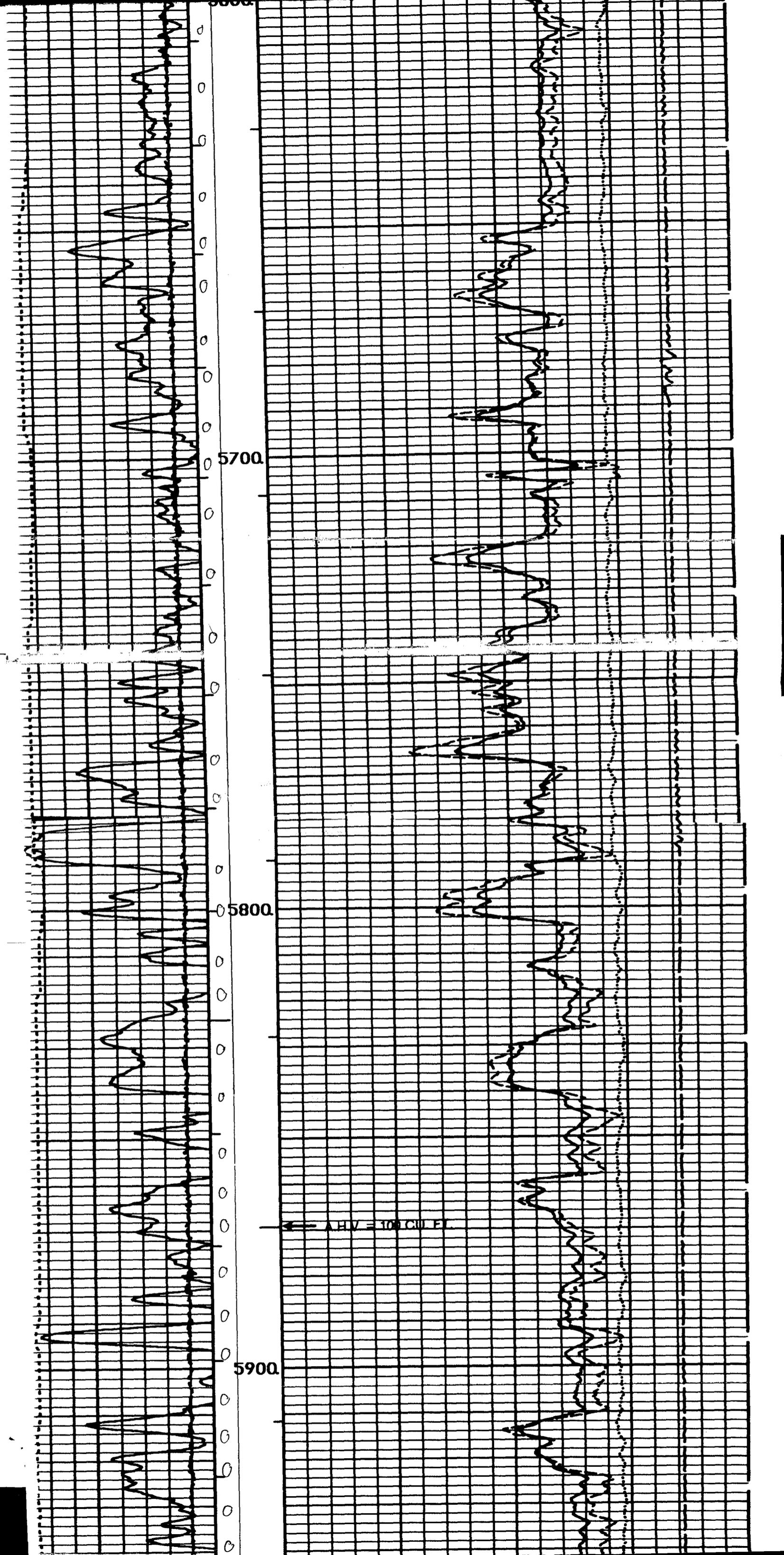
4900

4914'
Green
River
Formation

5000

5100







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

DEPARTMENT OF
OIL, GAS & MINING

Attention: Mr. Dan Jarvis

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

Dear Mr. Jarvis:

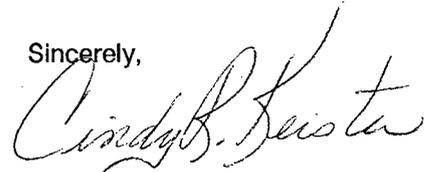
In reference to your telephone conversation with Jim LaFevers and myself on November 23, 1993, this letter represents an addendum to the referenced UIC application dated November 22, 1993.

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

PG&E Resources Company

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. Kelster
 Sr. Regulatory Analyst

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

PG&E Resources Company

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

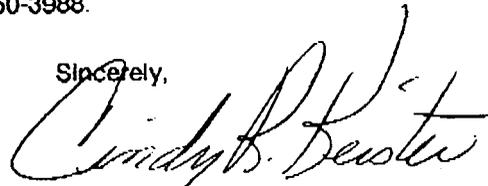
2. Average ISIP 2131 psi

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

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.

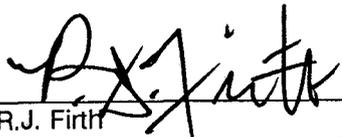
Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of PG & E Resources Company for administrative approval of the Federal 41-5G, Federal 14-33B, Federal 34-33B, Federal 14-34B, Federal 32-5G, Federal 43-33B, and Federal 21-4G Wells, 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

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

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

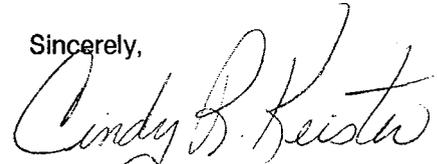
Dear Mr. Hunt:

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

UIC FORM 1

PLAT

WELLBORE DIAGRAMS

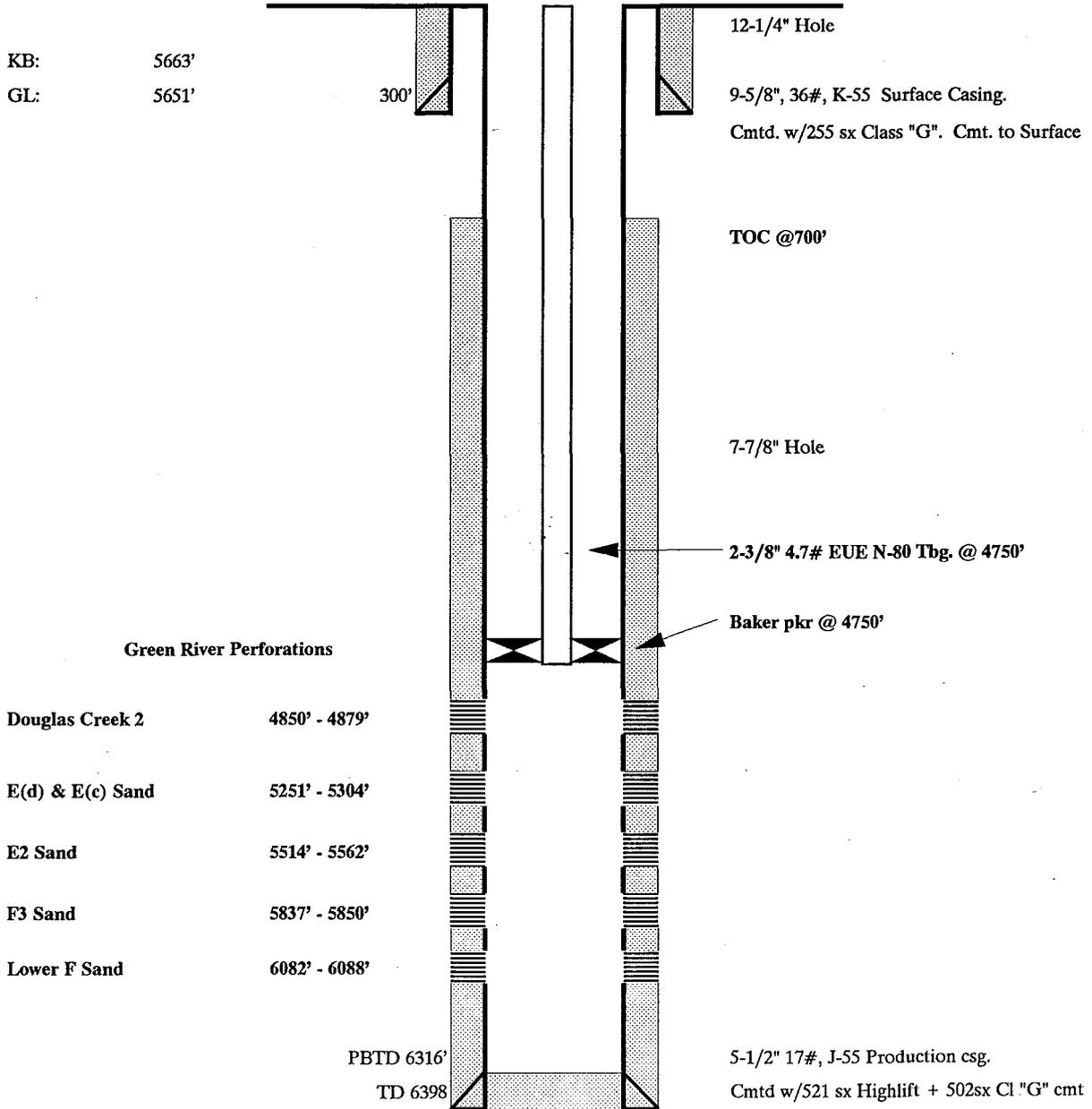
FEDERAL 14-33B

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'



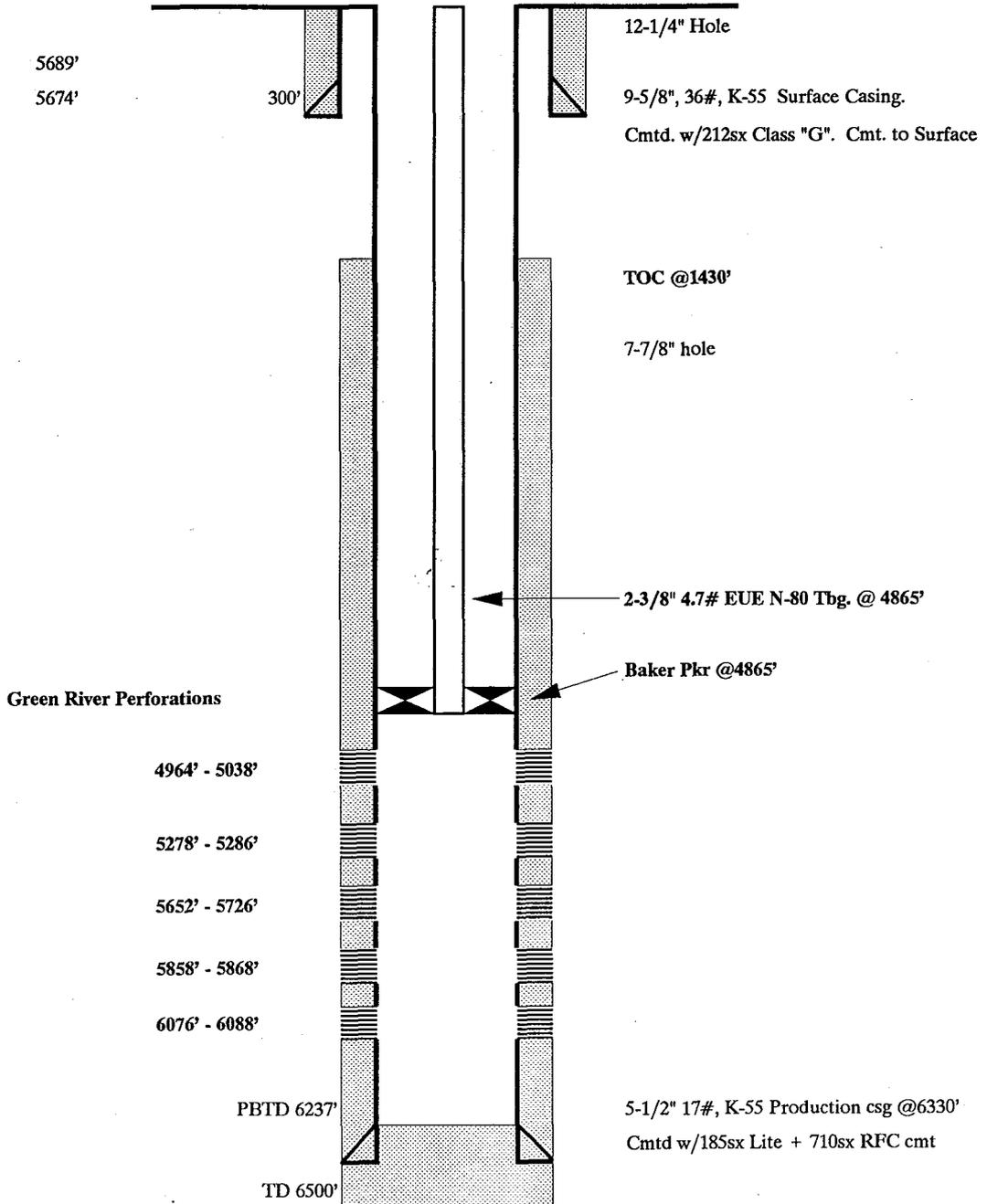
FEDERAL 14-34B

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'



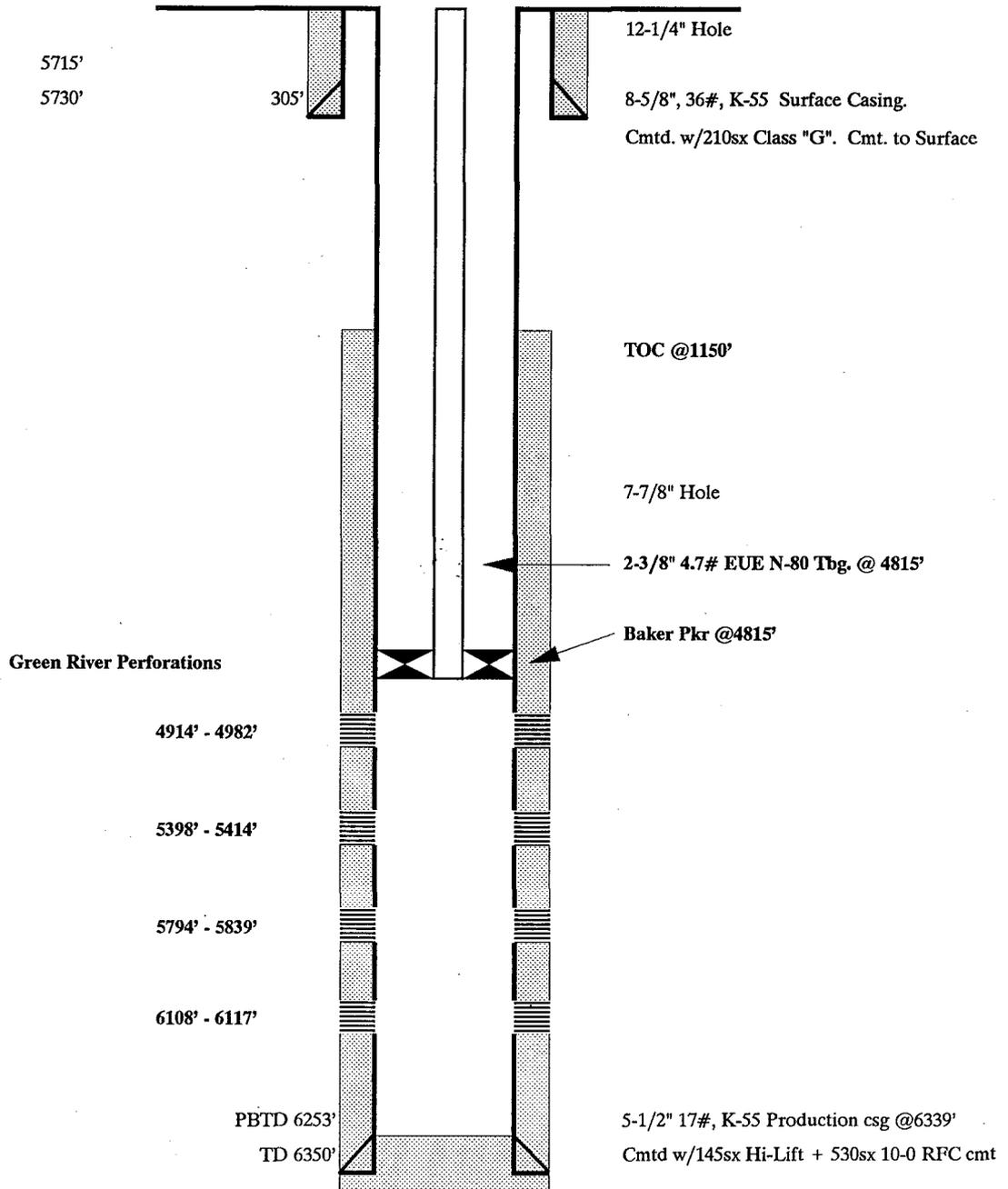
FEDERAL 21-4G

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'



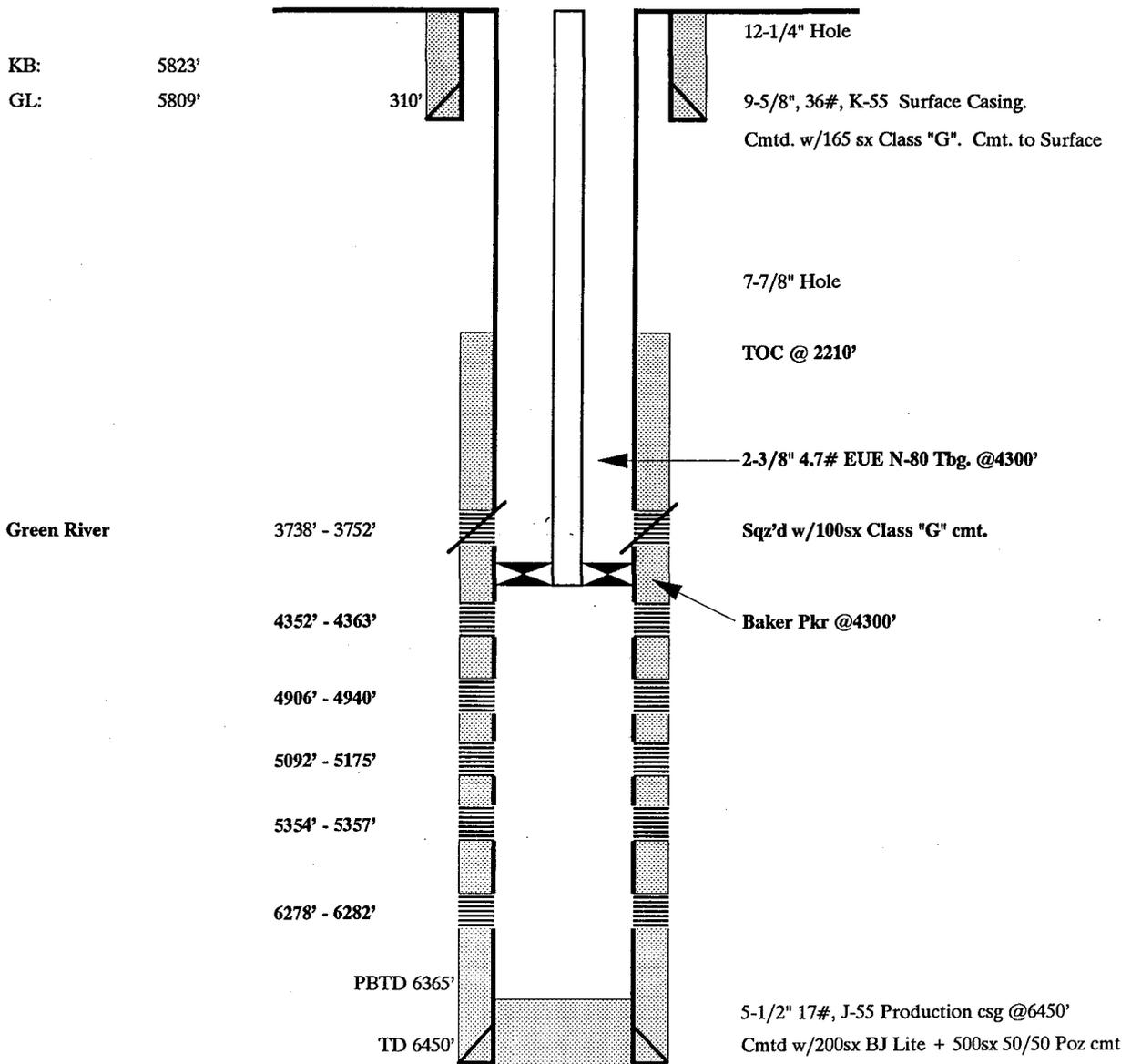
FEDERAL 32-5G

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'



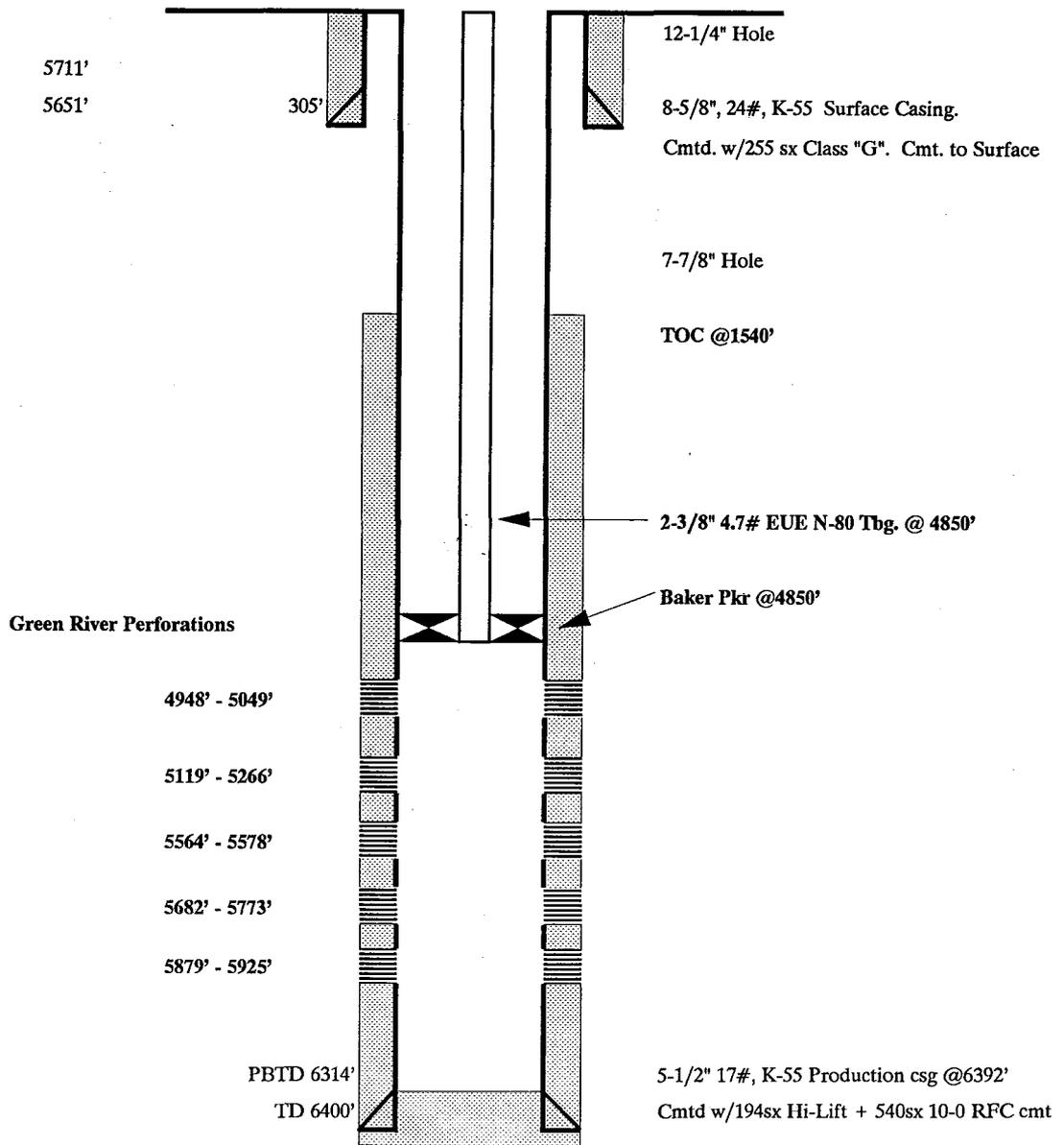
FEDERAL 34-33B

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'



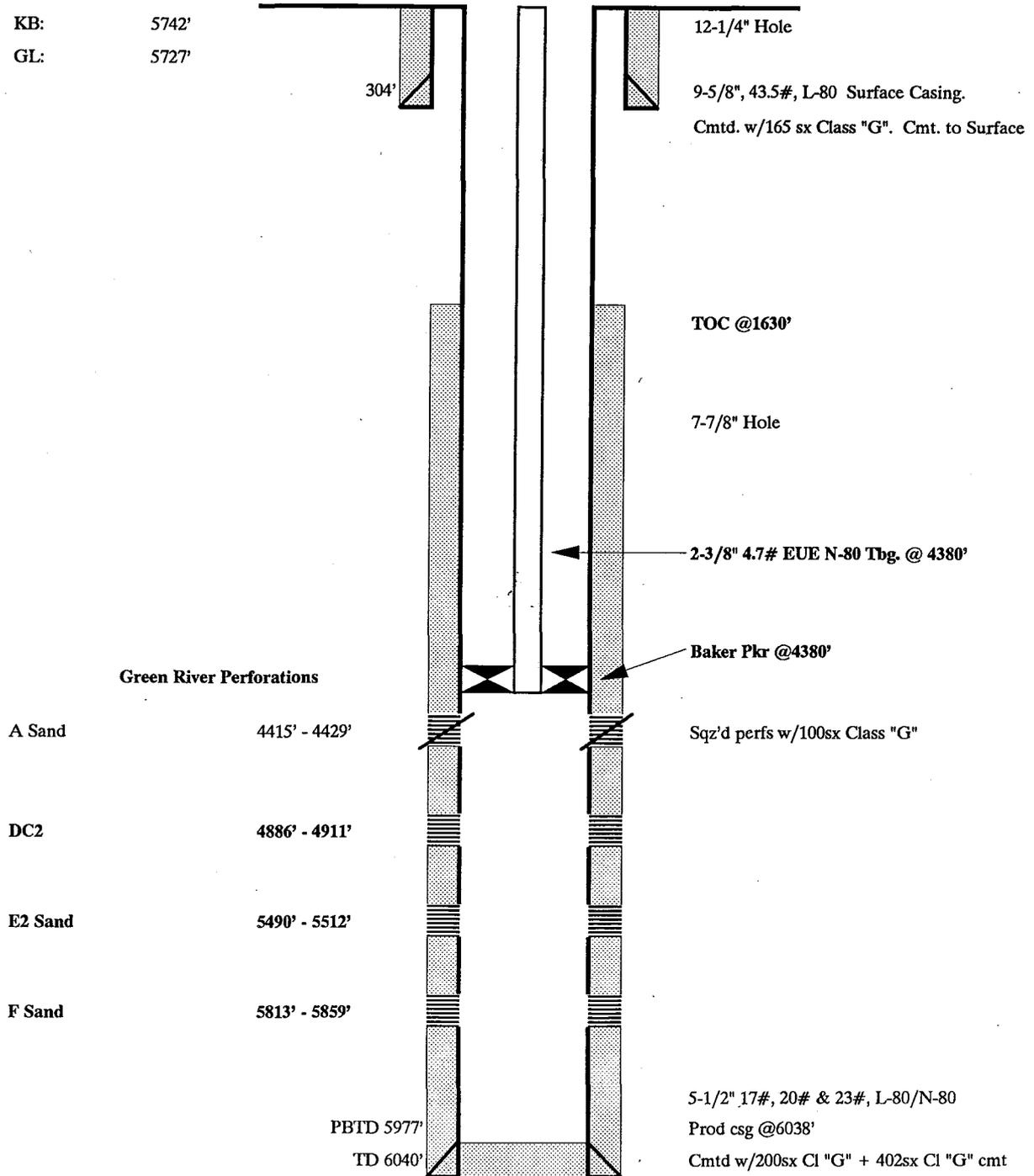
FEDERAL 41-5G

WELLS DRAW UNIT
 Duchesne County, Utah
 PROPOSED WIW

Spud: 3/24/88
 TD Date: 4/1/88
 Compl. Date: 4/27/88

Sec. 5, T9S-R16E
 NE/4 SW/4

KB: 5742'
 GL: 5727'



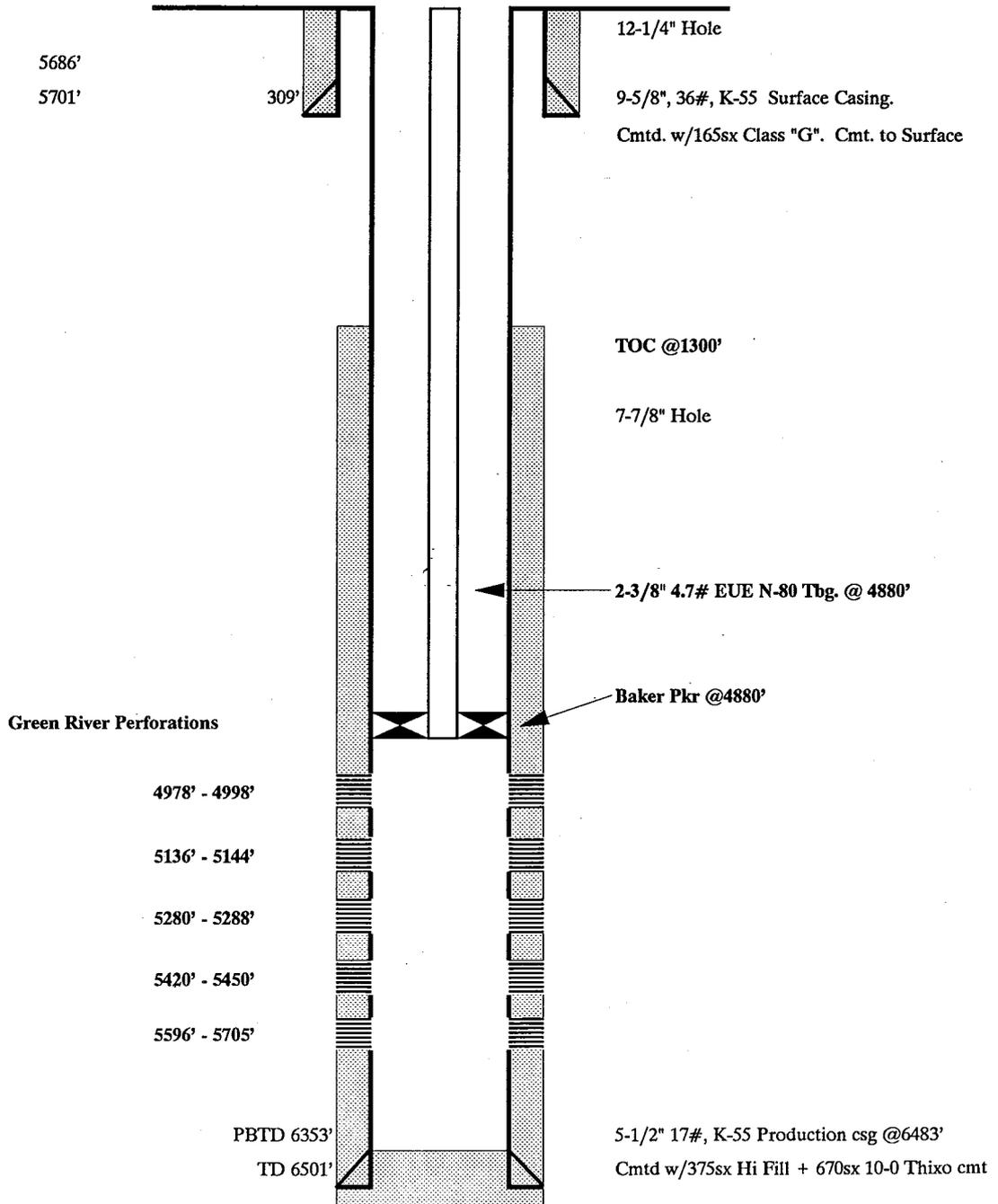
FEDERAL 43-33B

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'



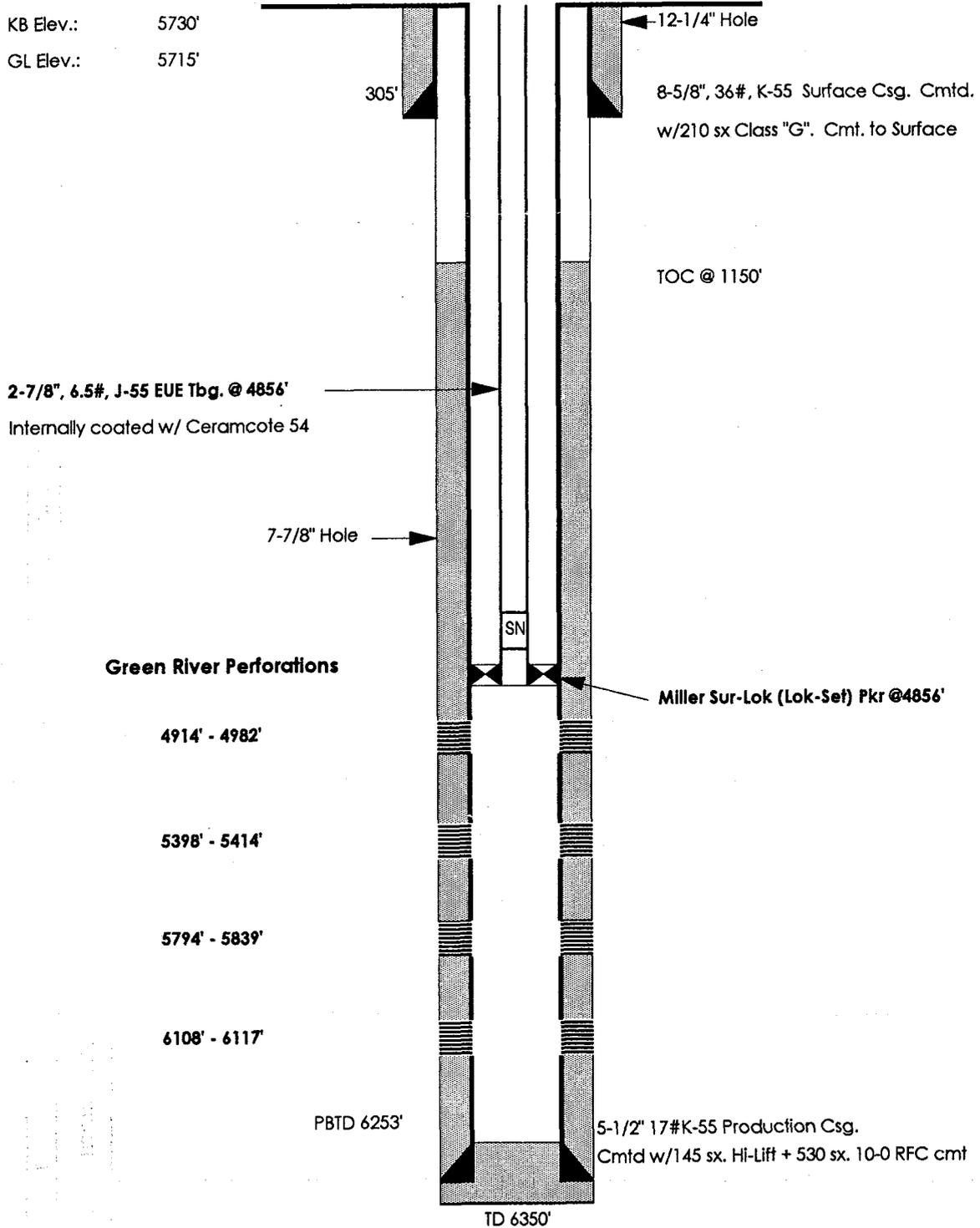
FEDERAL 21-4G WIW

WELLS DRAW UNIT
Duchesne County, Utah

Sec. 4, T9S-R16E
1958' FWL & 760' FNL
NE/4 NW/4

Spud date: 6/2/90
TD Date: 6/15/90
Compl. Date: 8/18/90
Conversion Dt: 11/3/94

KB Elev.: 5730'
GL Elev.: 5715'



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 12-4-G

9. API Well No.

43-013-30699-31272

10. Field and Pool, or Exploratory Area

Wells Draw (GR)

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other 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)

1958' FWL & 6760' FNL SW/4 NW/4 Section 4, T9S-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

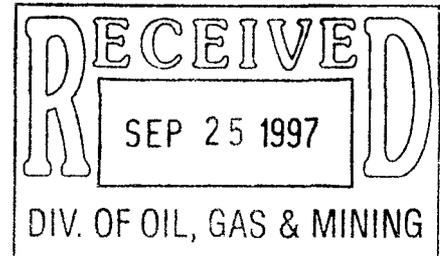
TYPE OF ACTION

- 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.)*

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

**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

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

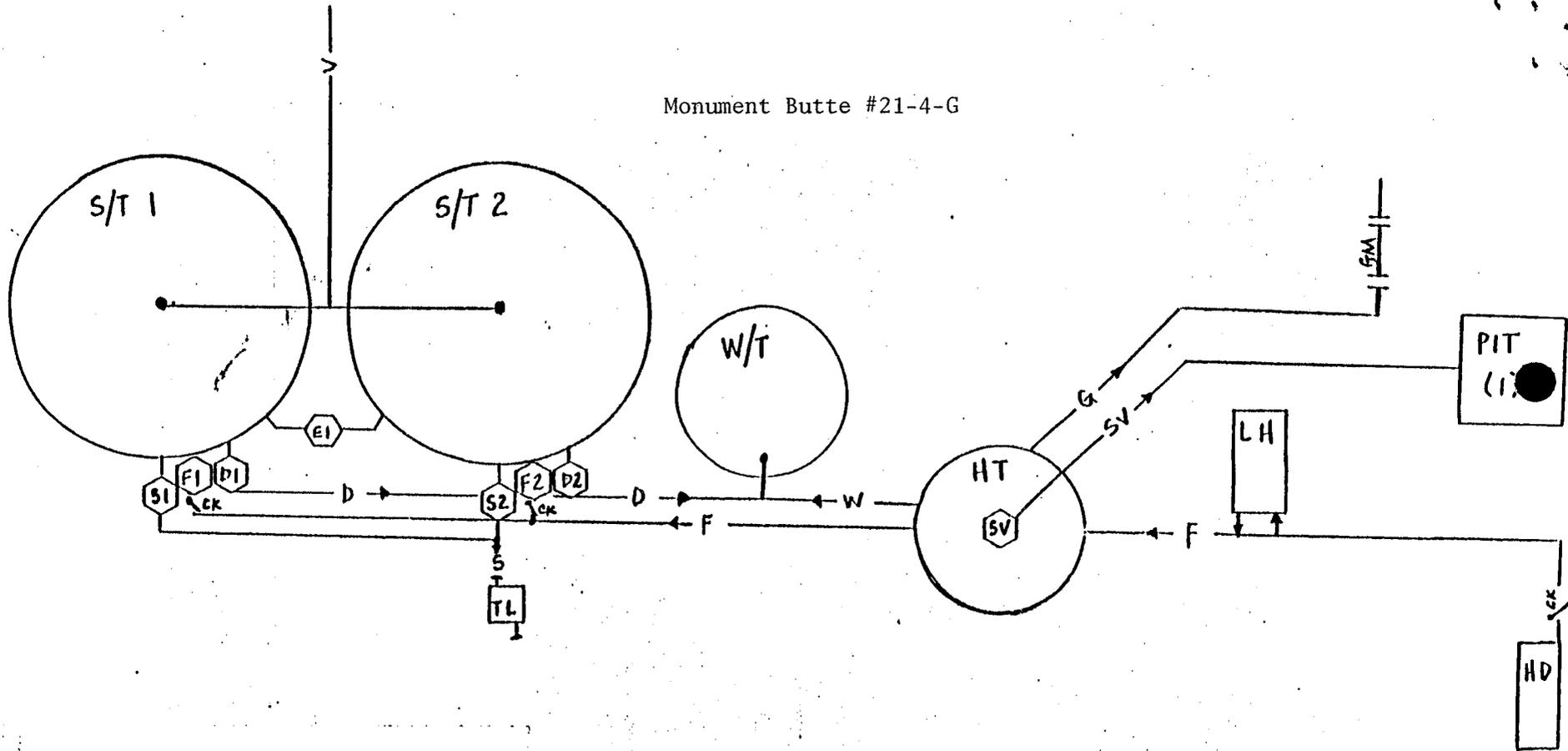
Sr. Regulatory Analyst

Title

November 22, 1993

Date

Monument Butte #21-4-G



PG&E Resources Company
 Lease #U-30096
 NE/NW Section 4, T9S, R16E
 Duchesne County, UT

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.



640.00
7-6-64/HBP
Chevron USA

T
8
S

Gavilan State
22-32
Roseland State
32-32

Lomax Expl. Fed. (all wells)
3-33
Lomax Expl. W. Mont. Fed.
2-33
Surf. to 6100'
55.5% Lomax
50% EP Oper.
46.25% Lomax
3.75% DeArman
4-33
6-33

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

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

Roseland Wells Draw-Fed. 44-31

Roseland State 13-32
14-32

ML-21836

13-33-B PG&E Fed. (All Wells)

33-33-B
498.53/498.53
12-1-94/HBP
433176

PG&E Fed. 43-33-B

120/160
9-1-91/HBP
433355

25% PG&E
75% Wooden

100% PG&E

100% to P.O.
66.67% PG&E
13.33% Chorney
10% Lomax
10% Amerada

U-62848

Roseland O & G Wells Draw Fed. 11-5-G

Interline 50%
Normandy 50%
80 Ac. HBP

WELLS DRAW (GREEN RIVER) UNIT

PG&E RESOURCES

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

Maybelle Inc. Castle Peaks Unit 1-3
160.00
8-1-81/HBP
Maybelle Inc.

1/2 Mile Radius

U-47172

240.00
6-1-59/HBP
Equitable Res.

Shamrock O & G Castle Peak Unit

U-034217A

U-64379

U-30096

R 16 E

LEGEND



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

ELECTRIC LOG SECTIONS



**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

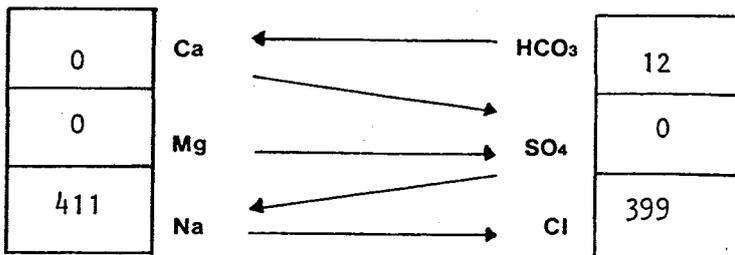
Mg/l (ppm)

*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>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



Saturation Values

Ca CO ₃	Distilled Water 20°C
	13Mg/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				
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

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



A Procter & Gamble Co.

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DEC 02 1993

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

DIVISION OF
OIL, GAS & MINING

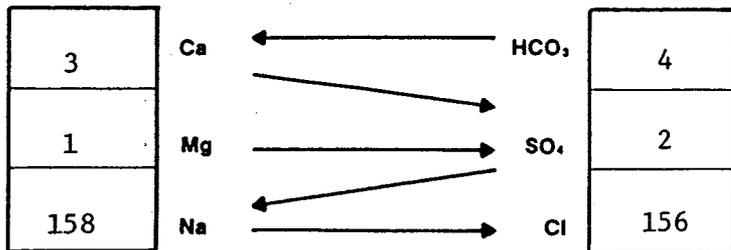
WATER ANALYSIS REPORT

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	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		

*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	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

REMARKS _____



**Jetco
Chemicals,
Inc.**

DEC 02 1993

DIVISION OF
OIL, GAS & P.O. BOX-1898

A Procter & Gamble Co.

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

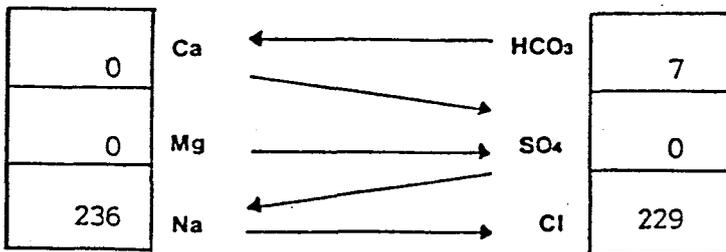
COMPANY N.G.C. Corp. ADDRESS Vernal, UT 84078 DATE: 1-22-88

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)	427	+61	7 HCO ₃
10. Sulfates (SO ₄)	0	+48	0 Cl
11. Chlorides (Cl)	8,142	+35.5	229 SO ₄
12. Calcium (Ca)	2	+20	0 Ca
13. Magnesium (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	13Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

REMARKS _____



A Procter & Gamble Co.

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DEC 02 1993

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

DIVISION OF
OIL, GAS & MINING

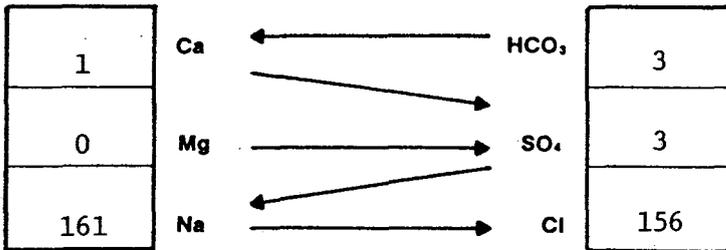
WATER ANALYSIS REPORT

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>_____</u> C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		<u>_____</u>
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



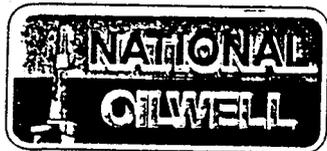
Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>1</u>		<u>81</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>2</u>		<u>168</u>
Na ₂ SO ₄	71.03		<u>3</u>		<u>243</u>
Na Cl	58.46		<u>156</u>		<u>9,120</u>

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 _____

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DEC 02 1993



DIVISION OF OIL, GAS & MINING

P.O. BOX 1532

ROOSEVELT, UTAH 84066

OFFICE: (801) 722-3693

WATER ANALYSIS REPORT

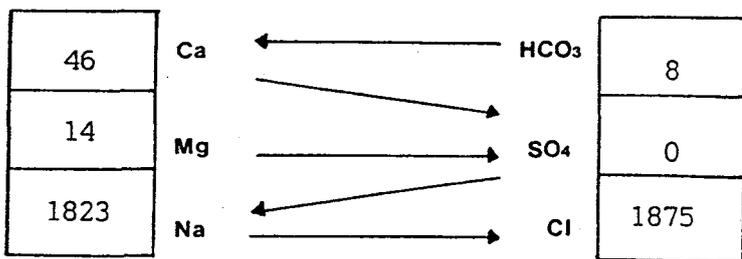
COMPANY P G & E ADDRESS _____ DATE: 12-01-89

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> C/MI	
7. (Methyl Orange) Alkalinity (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



**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 SO ₄
11. Chlorides (Cl)	Cl 8,142	+35.5 229 Cl
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	13Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

REMARKS _____



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

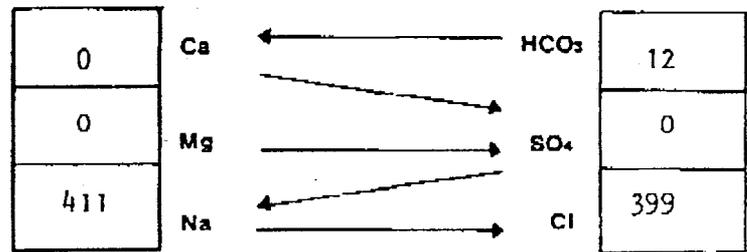
COMPANY NGC ADDRESS Vernal, Utah DATE: 10-21-88

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 1532

ROOSEVELT, UTAH 84066

OFFICE: (801) 722-3693

WATER ANALYSIS REPORT

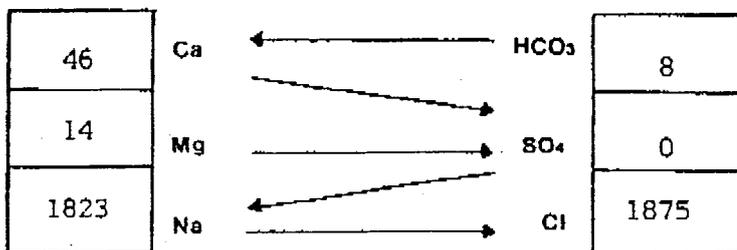
COMPANY P G & E ADDRESS _____ DATE: 12-01-89

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



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



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

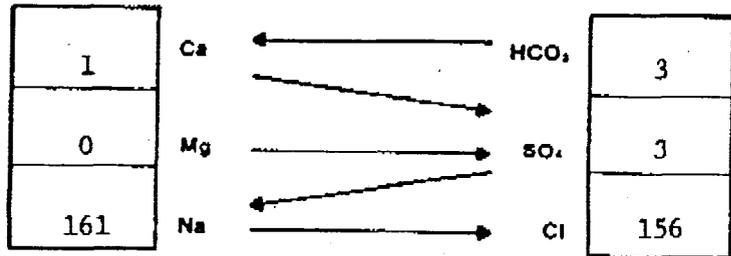
WATER ANALYSIS REPORT

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

Analyte	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)	HCO ₃ 207	+61 3 HCO ₃
9. Chlorides (Cl)	Cl 5,529	+35.5 156 Cl
10. Sulfates (SO ₄)	SO ₄ 150	+48 3 SO ₄
11. Calcium (Ca)	Ca 24	+20 1 Ca
12. Magnesium (Mg)	Mg 5	+12.2 0 Mg
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



Compound	Eqv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		1		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	47.62				
Na HCO ₃	84.00		2		168
Na ₂ SO ₄	71.03		3		243
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 _____



A Procter & Gamble Co.

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

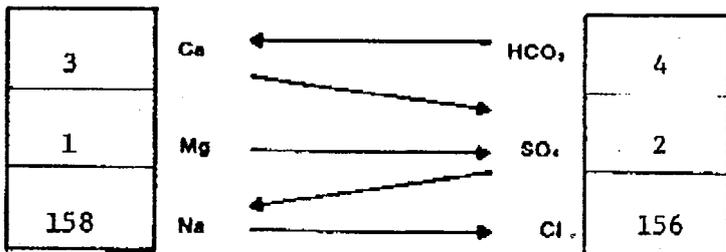
COMPANY P.G. & E. ADDRESS Vernal, UT. DATE: 10-31-90

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		

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Eq. 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	58.48		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 _____



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
WOI168





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
WO1168



AFFIDAVIT OF PUBLICATION

611
FYF
RECEIVED

DEC 22 1993

DIVISION OF
OIL, GAS & MINING

NOTICE OF AGENCY ACTION

County of Duchesne,
STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 consecutive issues, and that the first publication was on the 14 day of Dec, 1993, and that the last publication of such notice was in the issue of such newspaper dated the 14 day of Dec, 1993.

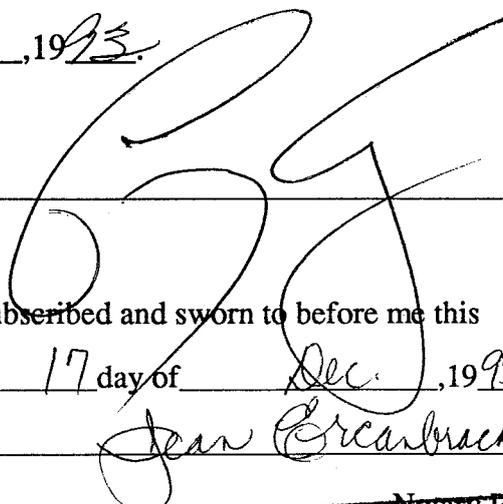
CAUSE NO. UIC 141
IN THE MATTER OF
THE APPLICATION OF
PG & E RESOURCES
COMPANY FOR AD-
MINISTRATIVE AP-
PROVAL OF THE FED-
ERAL 41-5G, FEDERAL
14-33B, FEDERAL 34-
33B, FEDERAL 43-34B,
FEDERAL 32-5G, FED-
ERAL 43-33B, & FED-
ERAL 21-4G WELLS
LOCATED IN SEC-
TIONS 33 & 34, TOWN-
SHIP 8 SOUTH, RANGE
16 EAST, AND SEC-
TIONS 4 & 5, TOWN-
SHIP 9 SOUTH, RANGE
16 EAST, S.1.M.,
DUCHEсне COUNTY,
UTAH, AS CLASS II IN-
JECTION WELLS.
THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED IN
THE ABOVE EN-
TITLED 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
Published in the Uintah Basin December 14, 1993


Subscribed and sworn to before me this
17 day of Dec, 1993
Jean Ercanbrack

Notary Public
JEAN ERCANBRACK
NOTARY PUBLIC - STATE OF UTAH
130 NORTH SKYLINE (55-5)
ROOSEVELT, UT 84066
COMM. EXP. 6-2-96

100



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



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

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 33-33-B 4301331268	11086	08S 16E 33	GRRV			✓ 449092	(wells draw GRRV Unit)	
✓ FEDERAL 13-33-B 4301331277	11092	08S 16E 33	GRRV			✓ "	(wells draw GRRV Unit)	
✓ FEDERAL 22-5-G 4301331273	11103	09S 16E 5	GRRV			✓ 430096	(wells draw GRRV Unit)	
✓ FEDERAL 13-34-B 4301331271	11104	08S 16E 34	GRRV			✓ 447171	(wells draw GRRV Unit)	
✓ FEDERAL 21-4-G 4301331272	11107	09S 16E 4	GRRV			✓ 430096	(wells draw GRRV Unit)	
✓ STATE 5-36B 44732224	11363	09S 19E 36	WSTC			✓ ML45173		
✓ STATE 9-36A 4304732225	11364	09S 18E 36	GRRV			✓ ML45171		
✓ FEDERAL 13-26B 4304732237	11370	09S 19E 26	WSTC			✓ UTK 68625	(w. willow creek?)	
✓ STATE 2-32B 4304732221	11371	09S 19E 32	WSTC			✓ ML45172		
✓ STATE 9-36B 4304732249	11372	09S 19E 36	WSTC			✓ ML45173		
✓ FEDERAL 11-24B 4304732223	11375	09S 19E 24	GRRV			✓ UTK 68625	(west willow creek Unit)	
✓ FEDERAL 11-26B 4304732248	11380	09S 19E 26	WSTC			✓ "	* Conv. 6/10/94 (west willow creek Unit)	
✓ FEDERAL 13-24B 4304732418	11507	09S 19E 24	GRRV			✓ "	(west willow creek 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: _____

1994

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF OIL, GAS & MINING

Well name and number: Federal #21-4G
Field or Unit name: Monument Butte Field API no. 43-013-31272
Well location: QQ NE NW section 4 township 9S range 16E county Duchense
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 Expwy, 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 Expwy, 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 *UIC Manager*
Approval Date *12-6-94* *Conservation Letter 1-31-94*

DALEN Resources
Oil & Gas Co.



October 5, 1994

OCT 11 1994

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

Re: Company Name Change

Dear Ms. Romero:

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

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

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

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

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

Sincerely,

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

Jim Johnson
Regulatory Analyst

JJ/sw
Enclosures

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

State of Delaware
Office of the Secretary of State

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

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

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



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

Edward J. Freel, Secretary of State

2261176 8100M

944175519

AUTHENTICATION:

7242629

DATE:

09-19-94

**CERTIFICATE OF OWNERSHIP
AND MERGER**

MERGING

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

INTO

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

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

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

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

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

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

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

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

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

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

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

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

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

PG&E RESOURCES COMPANY

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

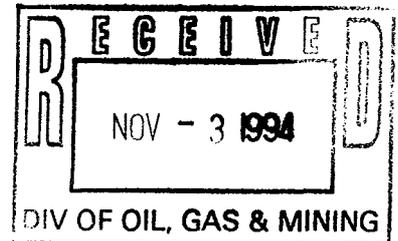
DALEN Resources
Oil & Gas Co.



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".

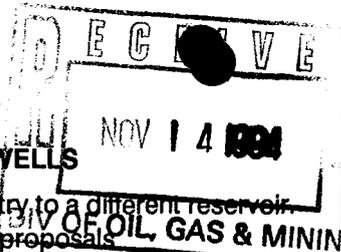
John R. Wingert
Exploration Manager
Northern Division

JRW:lkd

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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



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

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 21-4G

9. API Well No.

43-013-31272

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

- Oil Well Gas Well Other

2. Name of Operator

PG&E Resources Company

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)

1958' FWL & 760' FNL NE/4 NW/4 Section 4, T9S-R16E

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

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

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

See attached daily reports to convert from oil to WIW.

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

Signed Cindy D. Deister Title Supervisor Regulatory Compliance Date 11/11/1994

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UT DOGM

WELL HISTORY

Federal 21-4G
Wells Draw Field
(DALEN Resources Operated)

- 11-01-94 MIRU. Unseat pump, flush tbg with hot wtr. POOH with rods & pump, SDFN.
- 11-02-94 ND wellhead, unseat tbg anchor, install BOPE. Lower TS, found no sand fill. POOH with tbg. Prep to run inj tbg & pkr. SDFN.
- 11-03-94 Run 5½" Miller Sur-Lok (Lok-Set) csg pkr on 2-7/8" coated inj tbg. Drop SV, test 2-7/8" inj tbg to 1000 psi for 15 min, no bleed off. Run WL & retrieve SV. ND BOPE, set pkr at 4856' with 15,000 lbs tension. Fill back side with inhib 3% KCl wtr, press up on back side to 1500 psi (ok). Install inj head, **RR at 5:00pm 11-3. FINAL REPORT.**

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

3100
U-01470A
(UT-923)

NOV 29 1994

CERTIFIED MAIL---Return Receipt Requested

DECISION

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

Corporate Name Change Recognized

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

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

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

/s/ ROBERT LOPEZ

Chief, Minerals
Adjudication Section

Enclosure
Exhibit

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

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

List of Leases Affected

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

U-034217A *Confirmed BLM/SL
11-29-94. Jc

UTAH WELLS

8/24/94

WELL NAME	LOCATION	SEC-TWNSHIP-RANGE	COUNTY	LEASE NUMBER	API NO.
✓ Federal #23-33-B	NE/4 SW/4	33-8S-16E	Duchesne	U-49092	43-013-31251
✓ Federal #31-5-G	NW/4 NE/4	5-9S-16E	Duchesne	U-30096	43-013-31252
✓ Federal #33-33-B	NW/4 SE/4	33-8S-16E	Duchesne	U-49092	43-013-31268
✓ Federal #34-33-B	SW/4 SE/4	33-8S-16E	Duchesne	U-49092	43-013-31269
✓ Federal #44-33-B	SE/4 SE/4	33-8S-16E	Duchesne	U-49092	43-013-31270
✓ Federal #13-34-B	NW/4 SW/4	34-8S-16E	Duchesne	U-47171	43-013-31271
✓ Federal #21-4-G	NE/4 NW/4	4-9S-16E	Duchesne	U-30096	43-013-31272
✓ Federal #22-5-G	SE/4 NW/4	5-9S-16E	Duchesne	U-30096	43-013-31273
✓ Federal #13-33-B	NW/4 SE/4	33-8S-16E	Duchesne	U-49092	43-013-31277
✓ Castle Peak Federal #43-5-G	NE/4 SE/4	5-9S-16E	Duchesne	U-134217A	43-013-30858
✓ Federal #33-36	NW/4 SE/4	36-11S-14E	Duchesne		43-013-30486

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

RECEIVED
DEC 5 1994

6. Lease Designation and Serial Number U-30096
7. Indian Allottee or Tribe Name NA
8. Unit or Communication Agreement Wells Draw Unit
9. Well Name and Number Federal 11-4-G
10. API Well Number 43-013-31272
11. Field and Pool, or Wildcat Monument Butte

SUNDRY NOTICES AND REPORTS ON WELLS OF OIL, GAS & MINING

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells
Use APPLICATION FOR PERMIT--for such proposals.

1. Type of Well
 Oil Well Gas Well Other (Specify) WIW

2. Name of Operator
 DALEN Resources Oil & Gas Co.

3. Address of Operator
 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. Telephone Number
 (214) 750-3800

5. Location of Well
 Footage : 1958' FWL & 6760' FNL SW/4 NW/4 County : Duchesne
 QQ. Sec. T., R., M. : Section 4, T9S-R16E State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Test	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Other <u>Test Casing</u>	

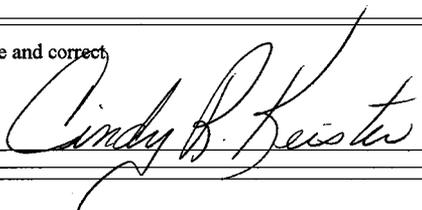
Date of Work Completion 10/05/94

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
 * Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

DALEN tested the casing to 1500 psi on 10/05/94 as shown on the attached report.

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

Name & Signature Cindy R Keister  Title Supervisor Regulatory Compliance Date 11/30/1994

(State Use Only) CC: BLM-Vernal

WELL HISTORY

Federal 11-4G
Wells Draw Field
(DALEN Resources Operated)

- 09-29-94 MIRU Pennant Well Service. Unseat pump & pump hot wtr down tbg with 35 bbl lease wtr. POOH with rods & pump, SDFN.
- 09-30-94 Release TA, NU BOPE. POOH with 2-7/8" tbg, SDFN.
- 10-01-94 Run Miller AD-1 ten pkr (ceramic coated) on 2-7/8" CTD internal tbg, circ with pkr fluid & set pkr at 4897'. SDFN.
- 10-02-94 No report.
- 10-03-94 Mix & load back side with inhib KCl wtr pkr fluid, re-set pkr & test to 1125 psi (ok). Pkr set at 4867'. Press test tbg to 2050 psi with SV (ok). SDFN.
- 10-04-94 POOH with 2-7/8" internally coated inj tbg & Miller AD-1 Ten pkr. Begin running 2-7/8" prod tbg & TA.
- 10-05-94 Run rods & pump, space out pump & press up tbg to 1500 psi (ok). Clamp off polish rod, RD, RD. WO on pump unit. DROP UNTIL FURTHER ACTIVITY.

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

RECEIVED
NOV 5 1994

6. Lease Designation and Serial Number U-30096
7. Indian Allottee or Tribe Name NA
8. Unit or Communitization Agreement Wells Draw Unit
9. Well Name and Number Federal 21-4G
10. API Well Number 43-013-31272
11. Field and Pool, or Wildcat Monument Butte

SUNDRY NOTICES AND REPORTS ON WELLS
 Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells.
 Use APPLICATION FOR PERMIT for such proposals.

1. Type of Well
 Oil Well Gas Well Other (Specify)

2. Name of Operator
 DALEN Resources Oil & Gas Company

3. Address of Operator
 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. Telephone Number
 (214) 750-3800

5. Location of Well
 Footage : 1958' FWL & 760' FNL NE/4 NW/4
 County : Duchesne
 QQ. Sec. T., R., M. : Section 4, T9S-R16E
 State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Test	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Other <u>Test Casing</u>	

Date of Work Completion _____ 11/03/94

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
 * Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

DALEN Resources tested the casing to 1500 psi on 11/03/94 as shown on the attached report.

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

Name & Signature Cindy R. Keister Title Supervisor Regulatory Compliance Date 11/28/1994

(State Use Only) cc: BLM - Vernal

WELL HISTORY

Federal 21-4G
Wells Draw Field
(DALEN Resources Operated)

- 11-01-94 MIRU. Unseat pump, flush tbg with hot wtr. POOH with rods & pump, SDFN.
- 11-02-94 ND wellhead, unseat tbg anchor, install BOPE. Lower TS, found no sand fill. POOH with tbg. Prep to run inj tbg & pkr. SDFN.
- 11-03-94 Run 5½" Miller Sur-Lok (Lok-Set) csg pkr on 2-7/8" coated inj tbg. Drop SV, test 2-7/8" inj tbg to 1000 psi for 15 min, no bleed off. Run WL & retrieve SV. ND BOPE, set pkr at 4856' with 15,000 lbs tension. Fill back side with inhib 3% KCl wtr, press up on back side to 1500 psi (ok). Install inj head, **RR at 5:00pm 11-3. FINAL REPORT.**

ENTITY REVIEW

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

BOND VERIFICATION (~~Fee wells only~~) *Surety U1870145/80,000 "Rider to Dater" 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.
- N/A* 2. A copy of this form has been placed in the new ^{*Upon compl. of routing.*} and former operators' bond files.
- Yes* 3. The former operator has requested a release of liability from their bond (yes/no) (no). Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DD* 2. Copies of documents have been sent to State Lands for changes involving State leases. *2/8/94 to Ed Bonn*

FILMING

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

FILING

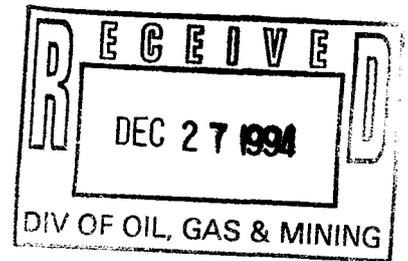
- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/1/08 B.M./S.Y. Not aprv. yet!

9/1/25 " Aprv.'d.

DALEN Resources
Oil & Gas Co.



December 21, 1994

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

RE: Federal 21-4-G
Wells Draw Unit
Section 4, 9S-R16E
Duchesne County, Utah

Gentlemen:

Attached is an original and two (2) copies of Form 3160-4 "Well Completion or Recompletion Report and Log" and wellbore diagram reflecting the workover to convert the referenced well from oil to water injection.

If you have any questions or need further information, please contact the undersigned at 214/706-3640.

Very truly yours,

A handwritten signature in cursive script that reads "Cindy R. Keister".

Cindy R. Keister
Supervisor Regulatory Compliance
Northern Production Division

CRK/ck

Attachments

cc: Utah Division Oil, Gas & Mining
Randy Miller - PG&E Vernal Office
John Pearce - Production Accounting
Julie Whitehead - Land
Regulatory File
Central File

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SUBMITTED IN COMPLIANCE WITH
DEC 27 1994
(See other instructions on reverse side)

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

LEASE DESIGNATION AND SERIAL NO.
J.30096

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY WELL 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 **1958' FWL & 760' FNL NE/4 NW/4**
At top prod. interval reported below **Same**
At total depth **Same**

7. WELL AGREEMENT NAME
Wells Draw

8. FARM OR LEASE NAME
Federal

9. WELL NO.
21-4-G

10. FIELD AND POOL, OR WILDCAT
Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 4, T9S-R16E

14. PERMIT NO. 43-013-31272 **DATE ISSUED** 04/08/90

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

15. DATE SPUNED 06/02/90 **16. DATE T.D. REACHED** 06/15/90 **17. DATE COMPL. (Ready to prod.)** 11/03/94 **18. ELEVATIONS (DE, RSE, RT, GR, ETC.)*** 5730' RKB **19. ELEV. CASINGHEAD**

20. TOTAL DEPTH, MD & TVD 6,350' **21. PLUG, BACK T.D., MD & TVD** 6,253' **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)*
Green River: 4914' - 6117'

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/CDL/DSN/CBL

27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	305'	12-1/4"	210sx Class "G" w/additives	0
5-1/2"	17#	6339'	7-7/8"	lead 145sx HILift tail 530sx 10-0 RFC	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	4856'	4856'

31. PERFORATION RECORD (Interval, size and number)

4914' - 4944'	4976' - 4982'	All 4SPF 0.45" holes
5398' - 5414'	5794' - 5802'	
5830' - 5839'	6108' - 6117'	

32. ACID, SHOT, FRACTURE, CEMENT

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION _____ **PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)** _____ **WELL STATUS (Producing or shut-in)** 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
WIW shut-in pending completion of construction of waterflood facilities.

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

SIGNED Cindy B. Reister TITLE Supervisor Regulatory Compliance DATE 12/21/1994

*(See Instructions and Spaces For Additional Data 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.

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
				Top Green River		1742
				Douglas Creek Marker		4879
				Basal LS		6202

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 <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other WIW	5. Lease Designation and Serial No. U-30096
2. Name of Operator DALEN Resources Oil & Gas Co.	6. If Indian, Allottee or Tribe Name NA
3. Address and Telephone No. 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206	7. If Unit or CA, Agreement Designation Wells Draw Unit
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) 1958' FWL & 760' FNL NE/4 NW/4 Section 4, T9S-R16E	8. Well Name and No. Federal 21-4G
	9. API Well No. 43-013-31272
	10. Field and Pool, or Exploratory Area Wells Draw (GR)
	11. County or Parish, State Duchesne County, Utah

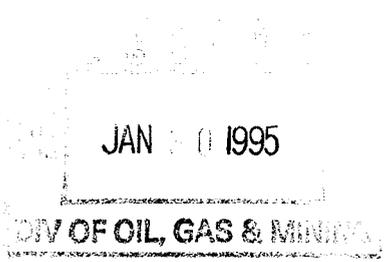
12. **CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>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

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

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 of January 11, 1995 at a rate of approximately 145 BWPD. We plan to increase the rate to approximately 425 BWPD.



14. I hereby certify that the foregoing is true and correct
Signed Cindy B. Keister 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:

CC: UT DOGM

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

MICROFICHE

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: Federal 21-4G
Field or Unit name: Wells Draw Unit API no. 43-013-31272
Well location: QQ NW section 4 township 9S 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

000

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 *[Signature]* Title *Enserch Manager*
Approval Date 2-13-96

**ENSERCH
EXPLORATION**_{INC}

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

January 11, 1996

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

Attention: Mr. Chris Merritt

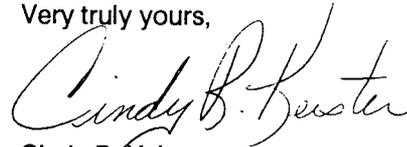
RE: Operator Name Change

Dear Mr. Merritt:

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

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

Very truly yours,



Cindy R. Keister
Regulatory Compliance Specialist

CRK/ck

Attachments

cc: Vernal BLM Office w/attachments

UTAH WELLS
ENSERCH EXPLORATION, INC.

1/11/96

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

30699
W/W

30698

W/W
W/W

W/W

W/W
W/W

W/W

ORL

POW

**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

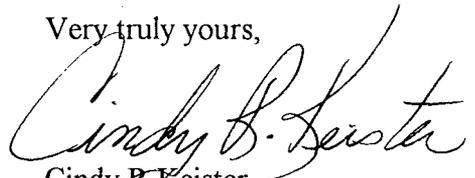
RE: Operator Changes - UIC Wells
Pleasant Valley Unit
Wells Draw Unit
West Willow Creek Unit
Duchesne & Uintah Counties, Utah

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



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.

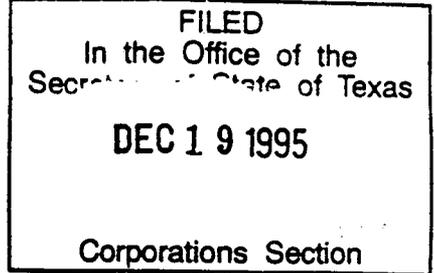
Effective December 31, 1995 04:55 PM



Antonio O. Garza, Jr.

Antonio O. Garza, Jr.
Secretary of State

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



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

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)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

(MERGER)

Routing:

1- LEC / GHA	<input checked="" type="checkbox"/>
2- DTS/ST-FILM	<input checked="" type="checkbox"/>
3- VLD-8-FILE	<input checked="" type="checkbox"/>
4- RJE	<input checked="" type="checkbox"/>
5- LEC	<input checked="" type="checkbox"/>
6- SJ	<input checked="" type="checkbox"/>

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-96)

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

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

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

OPERATOR CHANGE DOCUMENTATION

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~~) *Trust lands / 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

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)

1958' FWL & 6760' FNL SW/4 NW/4 Section 4, T9S-R16E

5. Lease Designation and Serial No.

U-30096

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

Wells Draw Unit

8. Well Name and No.

Federal 12-4-G

9. API Well No.

43-013-31272

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

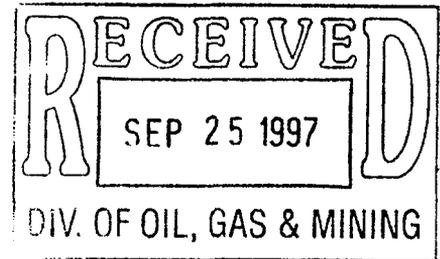
- Notice of Intent
- Subsequent Report
- Final Abandonment

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 #12-4GH Federal to Inland Production Company and relinquishes operations effective August 16, 1997. Inland Production Company operates under BLM Bond No. UT0056.



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

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

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

CC: UTAH DOGM

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

INJECTION WELL - PRESSURE TEST

Well Name: MON FEDERAL # 21-4E API Number: 43-013-31272
 Qtr/Qtr: NE/SW Section: 4 Township: 9S Range: 16E
 Company Name: INLAND PRODUCTION COMPANY
 Lease: State _____ Fee _____ Federal UTU*72086A Indian _____
 Inspector: Dennis L Ingram Date: 06-01-00

Initial Conditions:

Tubing - Rate: _____ Pressure: 1875 psi
 Casing/Tubing Annulus - Pressure: 1100 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1100 PSI</u>	<u>1875 PSI</u>
5	<u>1100 PSI</u>	<u>1875 "</u>
10	<u>1100 "</u>	<u>1875 "</u>
15	<u>1100 "</u>	<u>1875 "</u>
20	<u>1100 "</u>	<u>1875 "</u>
25	<u>1100 "</u>	<u>1875 "</u>
30	<u>1100 "</u>	<u>1875 "</u>

Results: Pass/Fail

Conditions After Test:

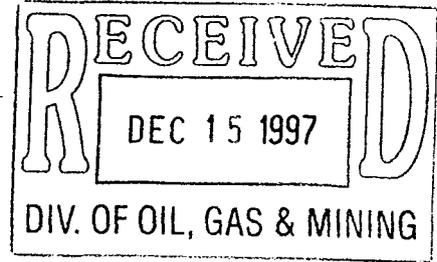
Tubing Pressure: 1875 psi
 Casing/Tubing Annulus Pressure: 1100 psi

COMMENTS: TESTED FOR 5 YEAR Rule. Injecting @ 47.23 BPD

TESTED @ 11:45 am to 12:15

Roy Dickell
 Operator Representative

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



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 *David R. Henderson* 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 *Chris Potter* 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 *C. Hunt* Title Environ. Manager

Approval Date 1/6/98 CAUSE No. 231-1

* Copies mailed to operators on 1-6-98. J
JCC

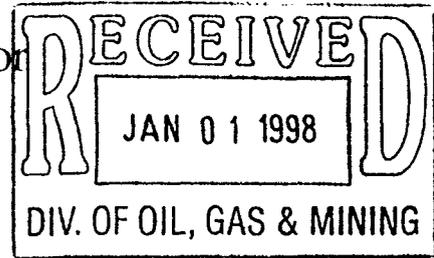
Injection Wells Formerly Operated by EEX

<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

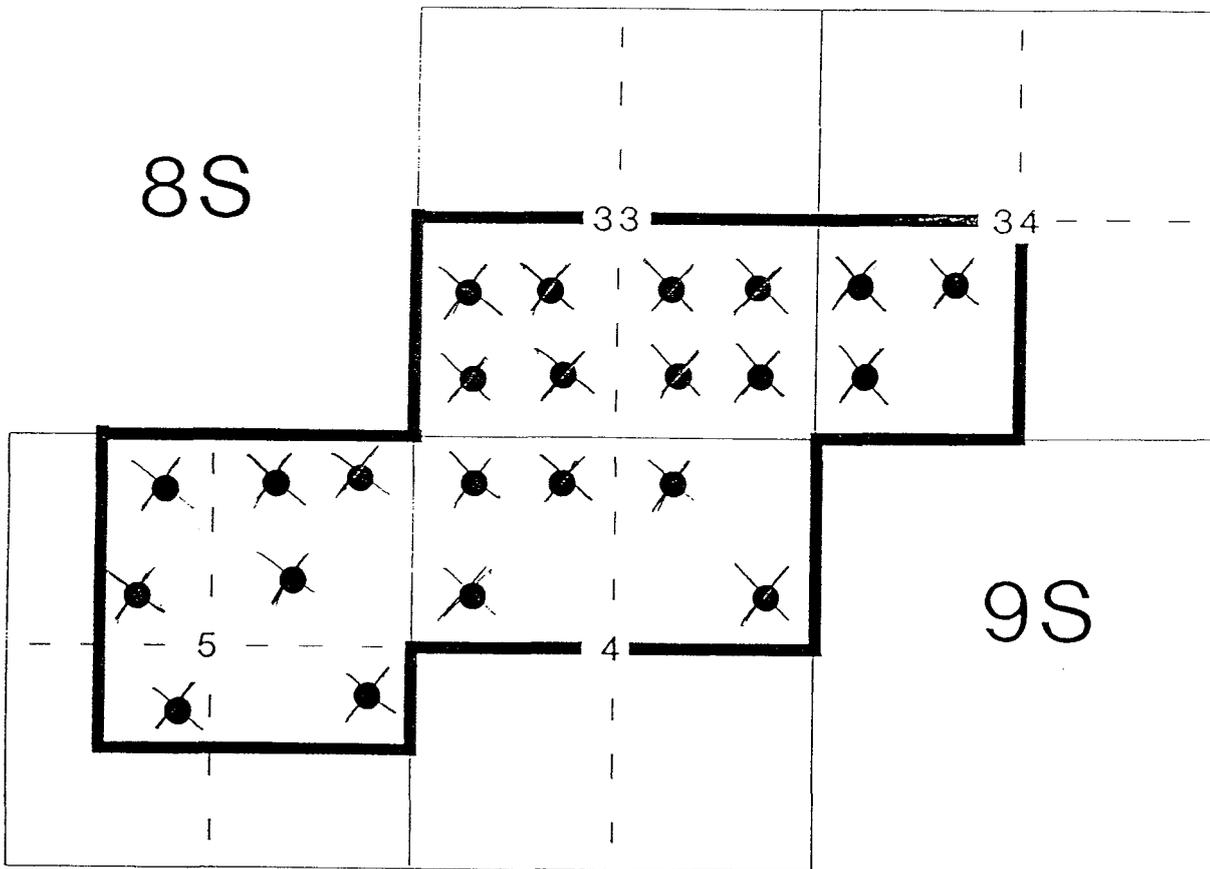
Enclosure

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. N 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

Title

1-2-98

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-CH ✓	7-KAS ✓
3-DPS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-JRB ✓	

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

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

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

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

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

Name: **SEE ATTACHED**	API: <u>43-013-3077</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Yec 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)*
- Yec 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: _____
- Yec 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.
- Yec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-2-98) XLIC DBase & QuaHro Pro.*
- Yec 6. **Cardex** file has been updated for each well listed above. *(1-2-98)*
- Yec 7. Well **file labels** have been updated for each well listed above. *(1-2-98)*
- Yec 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)*
- Yec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

BOND VERIFICATION - (FEE WELLS ONLY)

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

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

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

FILMING

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

FILING

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

COMMENTS

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

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-30096	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input 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 21-4-G	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/NW 0760 FNL 1958 FWL		9. WELL NO. FEDERAL 21-4-G	
14 API NUMBER 43-013-31272		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5715 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"/>			(OTHER) <u>Perform 5 year MIT</u>		<input type="checkbox"/>
(OTHER) <input type="checkbox"/>			(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		

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

The MIT was conducted on the subject well to satisfy the five year MIT. On 6-7-00 the casing was pressured up to 995 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

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

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

RECEIVED

JUN 09 2000

DIVISION OF
 OIL, GAS AND MINING

* See Instructions On Reverse Side

Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

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

Witness: Pennis Ingram Date 6/7/00 Time 9:30 am pm
Test Conducted by: Roddie Bird
Others Present: _____

Well: Wells Draw 21-4-9-16 Field: Wells Draw
Well Location: NE/NW SEC 4, T9S, R16E API No: 43-013-31272
Duchesne CO Utah.

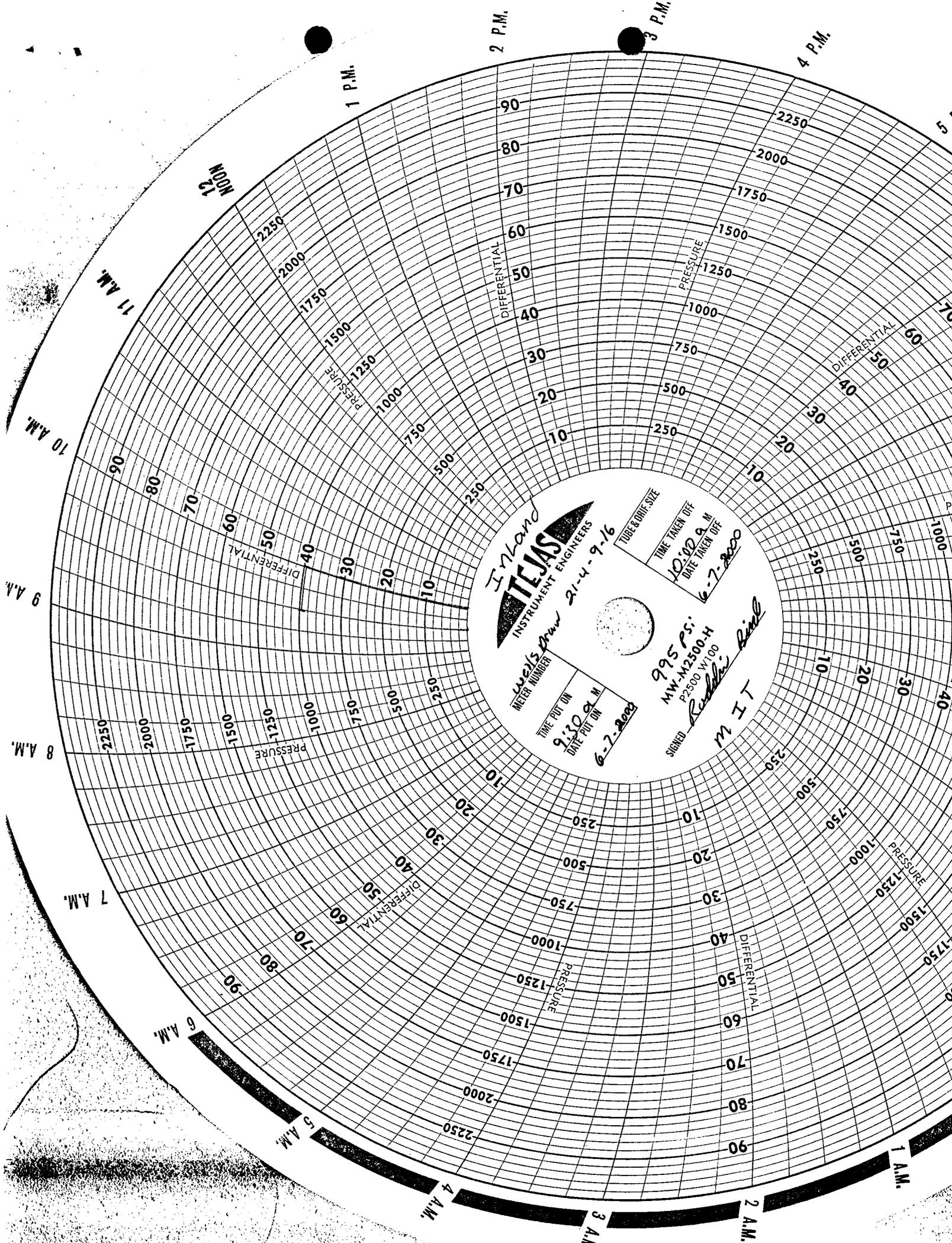
Time	Casing Pressure	
0 min	<u>995</u>	psig
5	<u>995</u>	psig
10	<u>995</u>	psig
15	<u>995</u>	psig
20	<u>995</u>	psig
25	<u>995</u>	psig
30 min	<u>995</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1600 psig

Result: Pass Fail

Signature of Witness: Pennis Ingram
Signature of Person Conducting Test: Roddie Bird

RECEIVED
JUN 14 2000
DIVISION OF
OIL, GAS AND MINING



Inland TEXAS
 INSTRUMENT ENGINEERS

METER NUMBER *21-4-9-16*

TIME PUT ON *9:30 A.M.*
 DATE PUT ON *6-7-2009*

TUBE & DIAPHR. SIZE

TIME TAKEN OFF *10:00 A.M.*
 DATE TAKEN OFF *6-7-2009*

995 PS.
 MW-M2500-H
 P2-300 W/100

SIGNED *[Signature]*
 M I 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>
city <u>Denver</u> state <u>Co</u> zip <u>80202</u>	Title: <u>Engineering Tech.</u>
Phone: <u>(303) 893-0102</u>	Date: <u>9/15/2004</u>
Comments:	

NEW OPERATOR

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

(This space for State use only)

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

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

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

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

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

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

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

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

DATA ENTRY:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE & STATE WELL(S) BOND VERIFICATION:

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

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU30096

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

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 21-4G

2. NAME OF OPERATOR:
Newfield Production Company

9. API NUMBER:
4301331272

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: 0760 FNL 1958 FWL

COUNTY: Duchesne

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NW, 4, T9S, 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"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/06/2005	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 6-6-05 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 6-6-05. On 6-6-05 the csg was pressured up to 1400 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 1900 psig during the test. There was not a State representative available to witness the test. API# 43-013-31272.

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 06-14-05
By: *[Signature]*

COPIES SENT TO OPERATOR
Date: 6-15-05
Initials: *[Signature]*

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE *[Signature]*

DATE 06/09/2005

(This space for State use only)

RECEIVED
JUN 10 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: _____ Date 6/6/05 Time 09:00 am pm

Test Conducted by: Matthew Bertoch

Others Present: _____

Well: WD. 21-46-9-16

Field: Wells Draw UTU-72413A

Well Location: NE/NW Sec 4, T9S, R 16E

API No: _____

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1400</u>	psig
5	<u>1400</u>	psig
10	<u>1400</u>	psig
15	<u>1400</u>	psig
20	<u>1400</u>	psig
25	<u>1400</u>	psig
30 min	<u>1400</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1900 psig

Result: Pass Fail

Signature of Witness: _____

Signature of Person Conducting Test: Matthew Bertoch

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: DENNIS INGRAM Date 5/5/2010 Time 10:00 am pm
Test Conducted by: DAVE CLONARD
Others Present: _____

Well: <u>FEDERAL 21-46-9-16</u>	Field: <u>FEDERAL UTU 87538X</u> <u>Duchesne County, UTAH</u>
Well Location: <u>FEDERAL 21-46-9-16</u> <u>NE/NW SEC. 4, T9S, R16E</u>	API No: <u>43-013-31229</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1320</u>	psig
5	<u>1320</u>	psig
10	<u>1320</u>	psig
15	<u>1320</u>	psig
20	<u>1320</u>	psig
25	<u>1320</u>	psig
30 min	<u>1320</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1885 psig

Result: Pass Fail

Signature of Witness: Dennis Ingram
Signature of Person Conducting Test: Dave Clonard

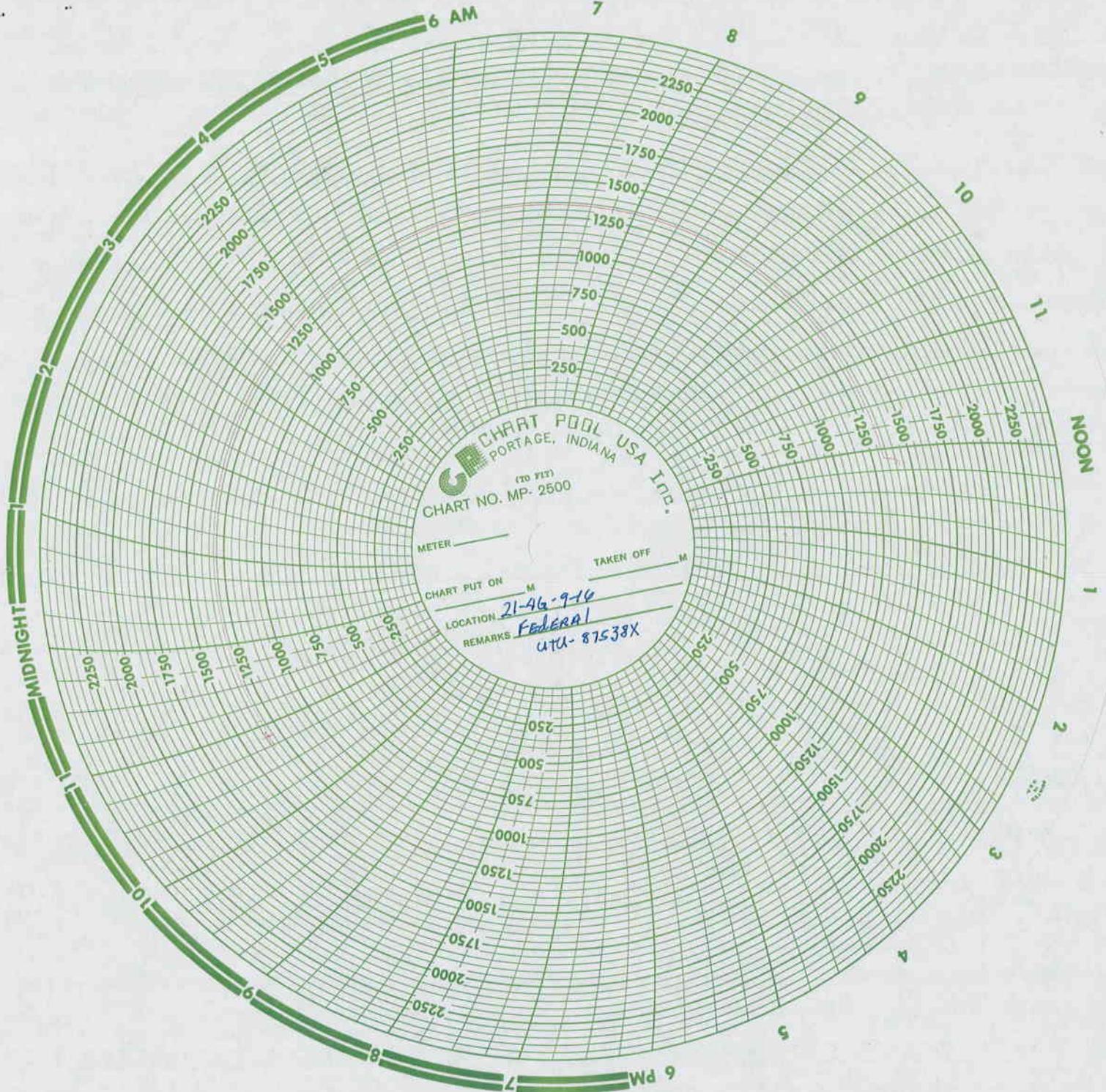


CHART POOL USA INC.
PORTAGE, INDIANA
(70 712)
CHART NO. MP-2500

METER _____
CHART PUT ON _____ M TAKEN OFF _____ M
LOCATION 21-46-9-16
REMARKS FEDERAL
UTA-87538X

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-30096
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:
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 21-4-G
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013312720000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0760 FNL 1958 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 04 Township: 09.0S Range: 16.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/2/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>On 03/30/2015 Richard Powell with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 04/02/2015 the casing was pressured up to 1215 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1807 psig during the test. There was a State representative available to witness the test - Richard Powell.</p>		<p style="margin: 0;">Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 07, 2015</p>
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 4/6/2015

Mechanical Integrity Test Casing or Annulus Pressure Test

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

Witness: RICHARD POWELL Date 4/2/15 Time 9:45 am pm
Test Conducted by: Dustin Bennett
Others Present: Richard Powell

Well: <u>Federal 21-4G-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NE/NW SEC. 4, T9S, R16E</u>	API No: <u>43-013-31272</u>

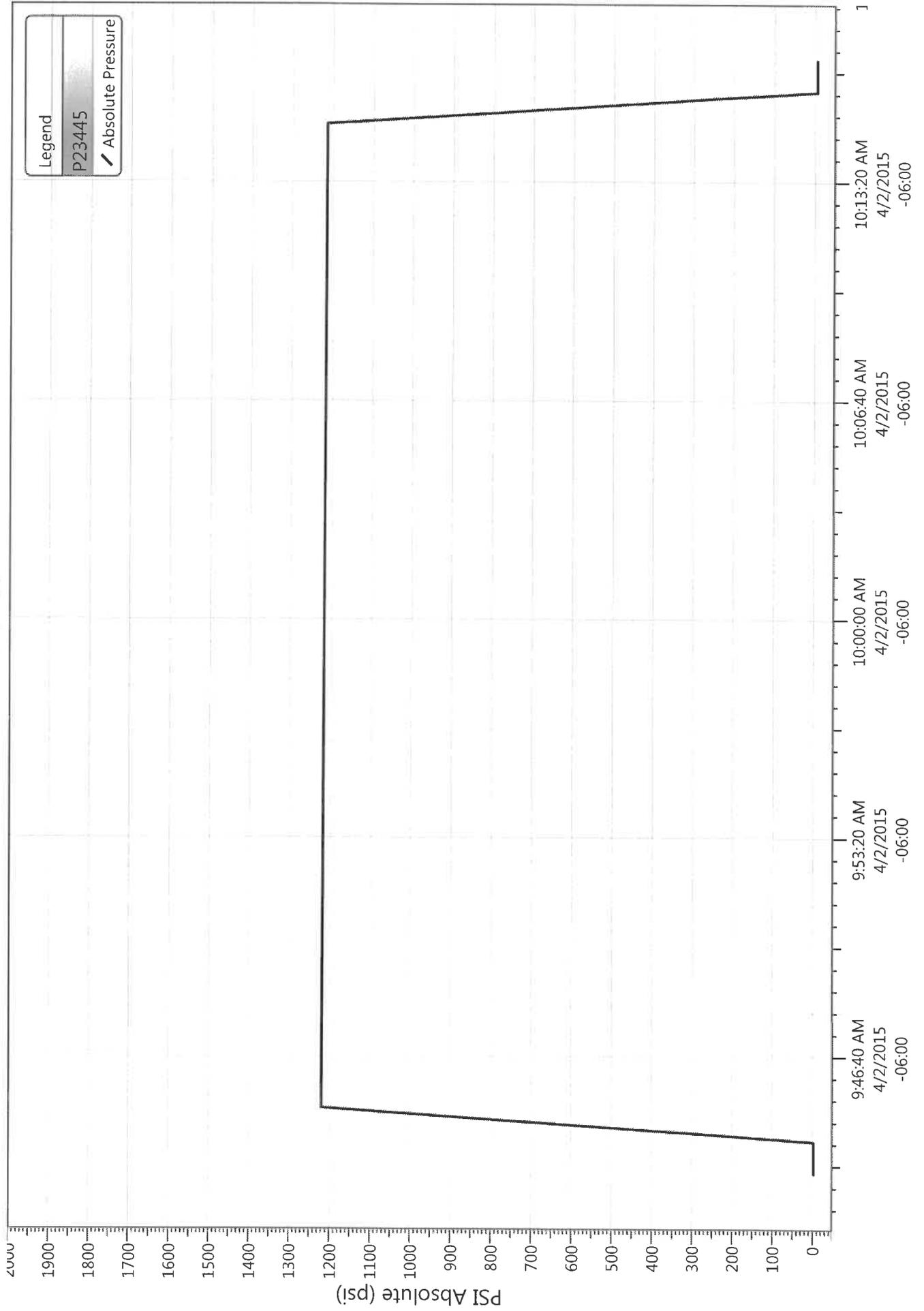
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1219.4</u>	psig
5	<u>1219.4</u>	psig
10	<u>1218.8</u>	psig
15	<u>1217.6</u>	psig
20	<u>1216.8</u>	psig
25	<u>1215.4</u>	psig
30 min	<u>1215.0</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1807 psig

Result: Pass Fail

Signature of Witness: [Signature]
Signature of Person Conducting Test: [Signature]

Federal 21-4G-9-16 (5 yr MIT 4-2-2015)
4/2/2015 9:42:12 AM



Federal 21-4G-9-16

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

Initial Production: 349 BOPD, 0 MCFD
 57 BWPD

SURFACE CASING

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

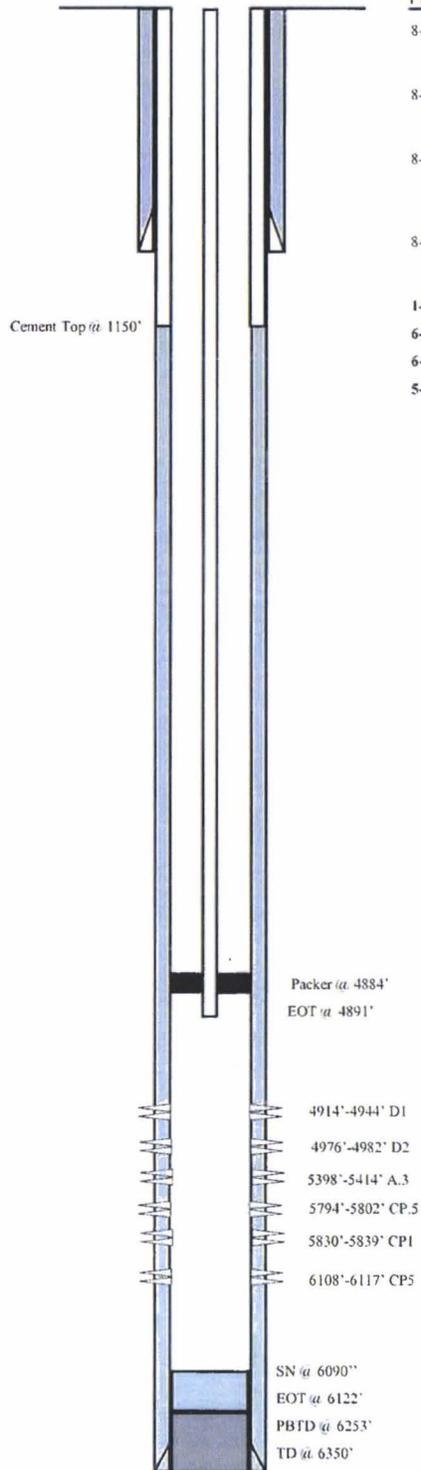
PRODUCTION CASING

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

TUBING

SIZE GRADE WT: 2-7/8", J-55, 6.5#
 NO. OF JOINTS: 155 jts (4882.5')
 SEATING NIPPLE: 2-7/8"
 SN LANDED AT: 4883'
 TOTAL STRING LENGTH: 4891'

Injection Wellbore
 Diagram



FRAC JOB

8-10-90	6108'-6117'	40,720# 20-40 sand, 542 bbls. Avg press of 2200 psi w avg rate of 25 BPM. ISIP-2100 psi, 15 min 1880 psi.
8-12-90	5794'-5839'	32,020# 20-40 sand, 42,265# 16:30 sand, and 849 bbls. ISIP-2030 psi, 5 min 1850 psi.
8-14-90	5398'-5414'	37,400# 20-40 sand, 49,300# 16:30 sand, and 885 bbls. Avg TP 2550 psi w avg rate of 35 BPM. ISIP-2000 psi, 15 min 1650 psi.
8-17-90	4914'-4982'	60,800# 20-40 sand, 80,100# 16:30 sand, and 1303 bbls. Avg TP 2400 psi w avg press of rate of 50 BPM.
1-11-95		Put on Injection
6-8-00		5 yr MIT
6-6-05		5 yr MIT
5-5-10		5 yr MIT

PERFORATION RECORD

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

NEWFIELD

Federal 21-4G-9-16
 1958 FWL 760 FNL
 NENW Section 4-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31272; Lease #U-30096