

UTAH OIL AND GAS CONSERVATION COMMISSION

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

890107 Chg of opri name eff 10/89  
 941207 Oper Name Change fr. P60E to Dalen eff 10-1-94  
 960213 Dalen to Enserch eff. 1-1-96/Merge!

DATE FILED 10-25-82

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-30096 INDIAN

DRILLING APPROVED: 10-26-82

SPUDED IN:

COMPLETED: 8-21-83 POW PUT TO PRODUCING: 8-29-83

INITIAL PRODUCTION: 80 BOPD, 25 BWPD

GRAVITY A.P.I.

GOR:

PRODUCING ZONES: 4908-6111 Green River (6 REV)

TOTAL DEPTH: 6500'

WELL ELEVATION: 5797

DATE ABANDONED:

FIELD: ~~CASTLE PEAK~~ ~~UNDESIGNATED~~ Castle Peak MONUMENT BUTTE 12-6-96

UNIT:

COUNTY: DUCHESNE

WELL NO. N.G.C. FEDERAL #21-5-G

API NO. 43-013-30698

LOCATION 673 FT. FROM (N) ~~XX~~ LINE. 2005

FT. FROM ~~XX~~ (W) LINE. NE NW 1/4 - 1/4 SEC. 5

Inland Prod. Co.

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	16E	5	Enserch Explor. Inc				

QUATERNARY	Four Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humberg
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River 1774'	Frontier	Phosphoria	Elbert
G. Shale Facies 4133'	Dakota	Park City	McCracken
Black " " 5734	Burro Canyon	Rico (Goodridge)	Aneth
G.R. Lime 6221	Cedar Mountain	Supai	Simonson Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBON I FEROUS	North Point
Wasatch 6420'	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafeal Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		



# United States Department of the Interior

GEOLOGICAL SURVEY  
Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

February 2, 1981

## General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale. These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

- B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:
1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.
  2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.
  3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.
- C. The above is an example. Reasonable equivalents that accomplish these same protective measures, (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.
- D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

- E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinta Basin.
3. Schematic of the general ground water protection program.

E. W. Guynn  
District Oil and Gas Supervisor

AMR/kr

**NATURAL GAS CORPORATION  
OF CALIFORNIA**

85 South 200 East  
Vernal, Utah 84078  
October 22, 1982

Mr. E. W. Gynn  
Minerals Management Service  
1745 West 1700 South, Suite 2000  
Salt Lake City, UT 84104

Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Re: NGC #21-5-G Federal  
NE $\frac{1}{4}$  NW $\frac{1}{4}$  Section 5, T.9S., R.16E.  
Duchesne County, Utah  
Pleasant Valley area

Gentlemen:

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

- 1) Application for Permit to Drill
- 2) Surveyor's Plat
- 3) Ten Point Plan
- 4) 13 Point Surface Use Plan

Your early consideration and approval of this application would be appreciated. Should you have any questions, please contact this office.

Sincerely,

*Rick Canterbury kh*

Rick Canterbury  
Associate Engineer

/kh

Encls.

cc: Operations  
C. T. Clark  
E. R. Henry

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MINEALS MANAGEMENT  
OIL & GAS OPERATIONS  
RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.  
U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
OCT 25 1982

7. UNIT AGREEMENT NAME  
SALT LAKE CITY, UTAH

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
NGC #21-5-G

10. FIELD AND POOL, OR WILDCAT  
Pleasant Valley

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
Section 5, T.9S., R.16E.

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

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

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
673' FNL and 2005' FWL (NE $\frac{1}{4}$  NW $\frac{1}{4}$ ) of Section 5, T.9S., R.16E.  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 9 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 673'

16. NO. OF ACRES IN LEASE 1360

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 6600'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5797' Ground

22. APPROX. DATE WORK WILL START\*  
January 15, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#, K-55	300	To surface
7-7/8"	5-1/2"	17#, N-80	T.D.	As required to protect the oil shale and producing formations.

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 Rick Carterberry TITLE Associate Engineer DATE October 22, 1982

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
E. W. Guynn  
APPROVED BY Brad Effert TITLE District Oil & Gas Supervisor DATE NOV 10 1982

CONDITIONS OF APPROVAL, IF ANY:  
cc: MMS; Div. OG&M; Operations; CTClark; ERHenry

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

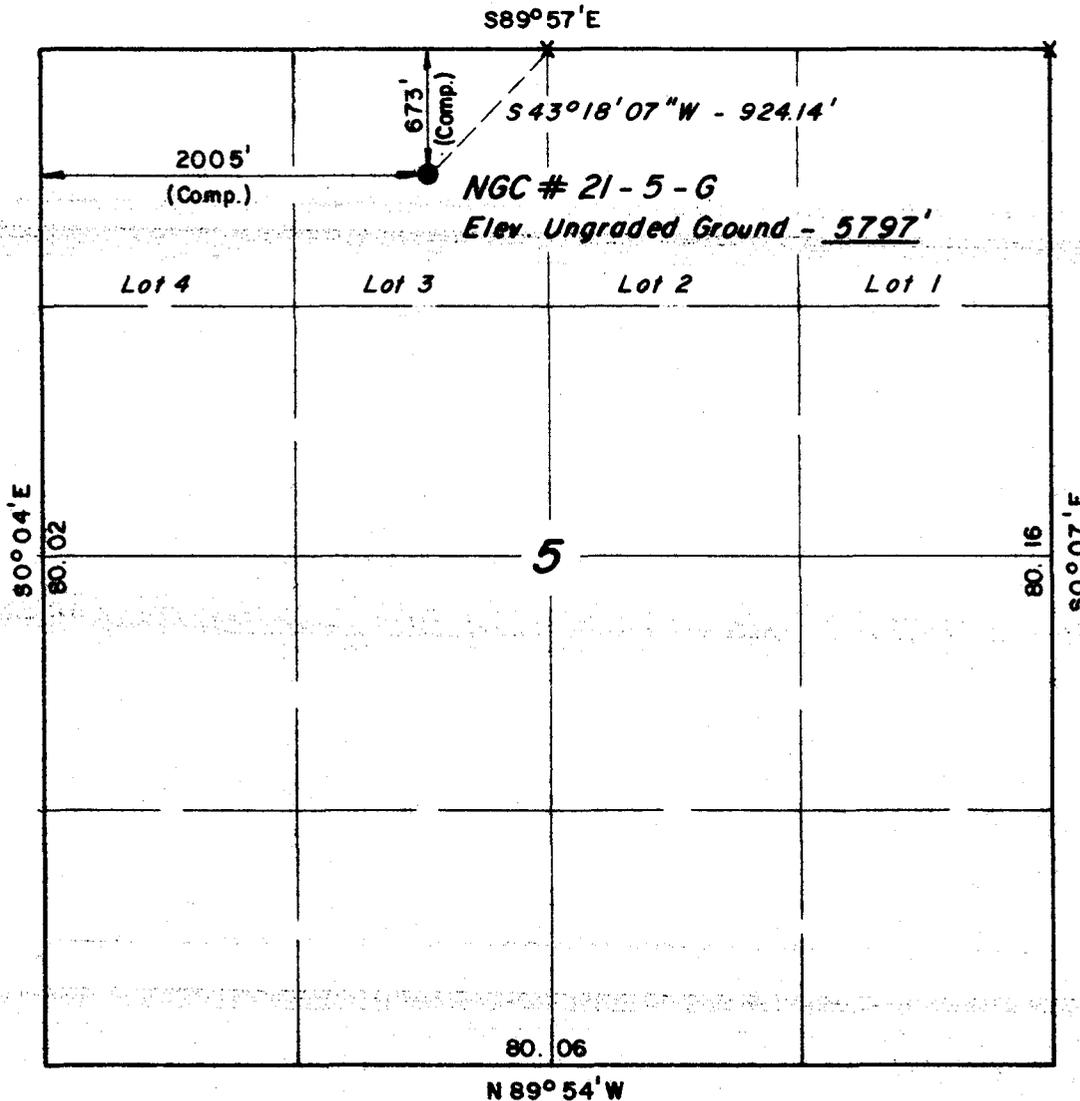
State O&G

T 9 S , R 16 E , S . L . B . & M .

PROJECT

NATURAL GAS CORP. OF CALIFORNIA

Well location, *NGC # 21-5-6*, located as shown in the NE 1/4 NW 1/4 (Lot 3) Section 5, T9S, R16E, S.L.B.&M. Duchesne County, Utah.



X = Section Corners Located



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.

*Lawrence E. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO 3137  
 STATE OF UTAH

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

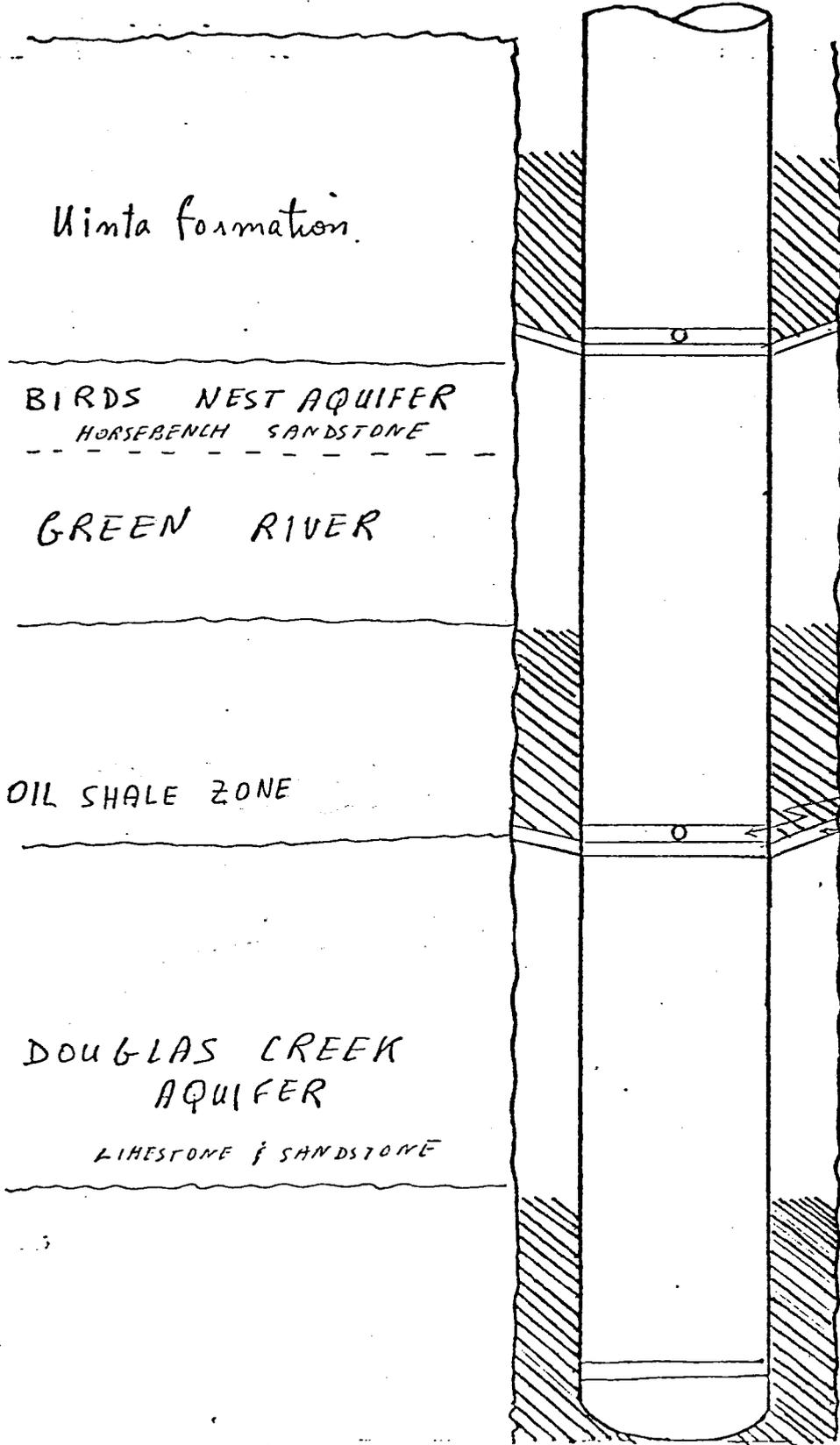
SCALE	1" = 1000'	DATE	9/27/82
PARTY	RK JF RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	NATURAL GAS

Natural Gas Corporation of California  
Well No. 21-5-G  
Section 5, T.9S., R.16E.  
Duchesne County, Utah  
Lease U-30096

Supplemental Stipulations

- 1) Seeding for rehabilitation should only be done in the fall of the year between September 1 and when the ground becomes frozen. No spring seeding should be done.
- 2) Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons and saline minerals in the Mahogany Zone of the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale or saline minerals resource. Surface casing program may require adjustment for protection of fresh water aquifers. (See attached tentative casing and cementing program for the Uinta Basin.)

PARTIAL CASING & CEMENTING PROGRAM FOR WELLS IN NATURAL BUTTES FIELD. HINTAH COUNTY, UTAH



NO SCALE

CEMENT BASKET IS PLACED 50' ABOVE TOP AQUIFER CEMENT TO RISE AT LEAST 300' IN ANNULUS

STAGE COLLAR  
CEMENT BASKET

CEMENT BASKET IS SET AT CONSOLIDATED SECTION AT THE BASE OF THE OIL SHALE ZONE. CEMENT TO REACH THE TOP OF THE MAHOGANY ZONE

CEMENT WILL REACH BASE OF LOWER AQUIFER

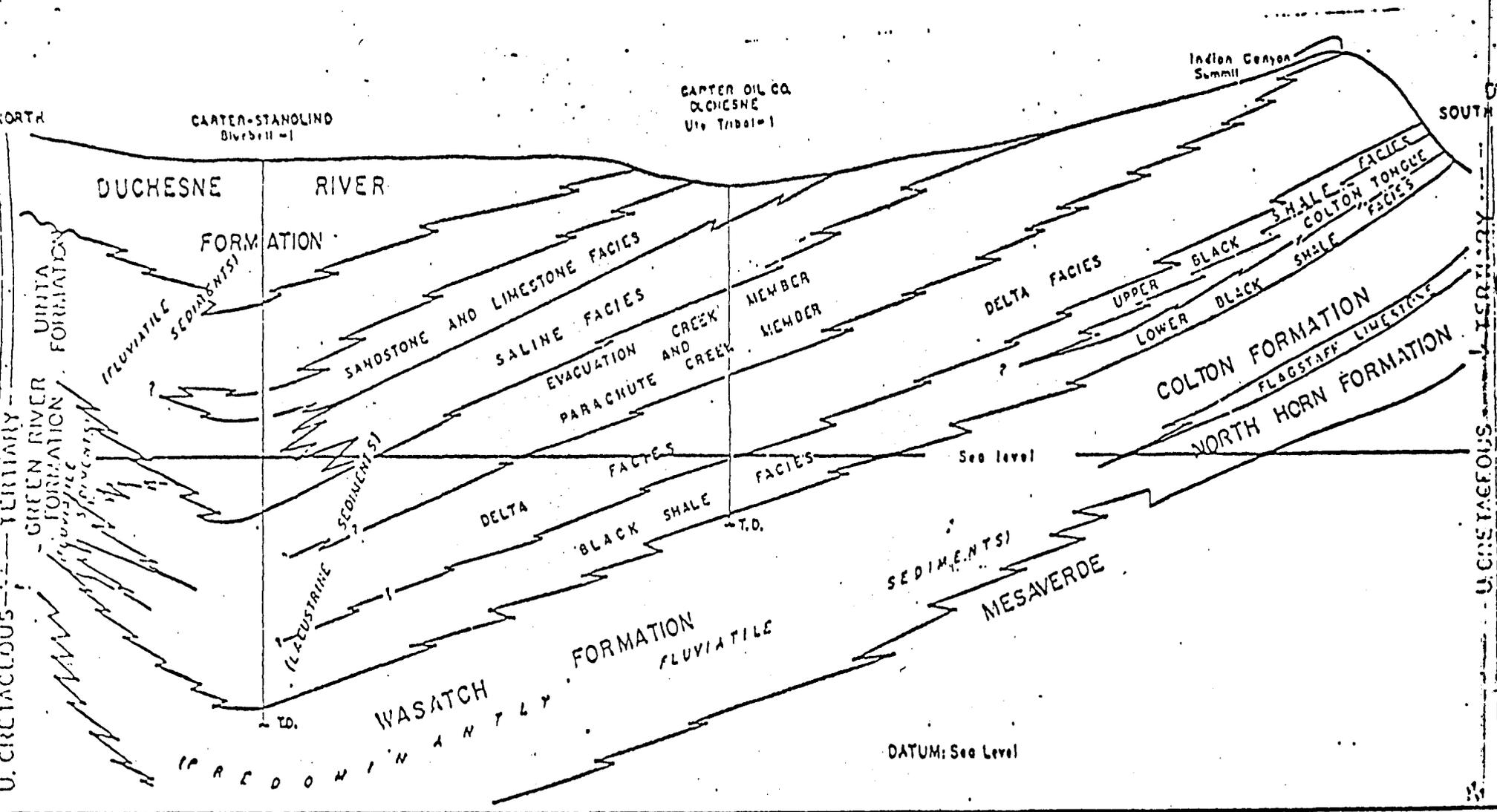


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 8 miles southeast of the application area .

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL                       DEEPEN                       PLUG BACK

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

2. NAME OF OPERATOR  
 Natural Gas Corporation of California

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

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 At surface                       At proposed prod. zone   
 673' FNL and 2005' FWL (NE $\frac{1}{4}$  NW $\frac{1}{4}$ ) of Section 5, T.9S., R.16E.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 9 miles southwest of Myton, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)                      673'  
 16. NO. OF ACRES IN LEASE                      1360

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.                      6600'  
 19. PROPOSED DEPTH                      6600'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5797' Ground

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.  
 NGC #21-5-G  
 10. FIELD AND POOL, OR WILDCAT  
 Castle Peak Pleasant Valley  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 5, T.9S., R.16E.  
 12. COUNTY OR PARISH  
 Duchesne  
 13. STATE  
 Utah

22. APPROX. DATE WORK WILL START\*  
 January 15, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#, K-55	300	To surface
7-7/8"	5-1/2"	17#, N-80	T.D.	As required to protect the oil shale and producing formations.

RECEIVED

OCT 25 1982

DIVISION OF  
OIL, GAS & MINING

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

DATE: 10-26-82  
BY: *[Signature]*

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 *Rick Canterbury* TITLE Associate Engineer DATE October 22, 1982

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

cc: MMS; Div. OG&M; Operations; CTClark; ERHenry

Ten Point Plan  
 Natural Gas Corporation of California  
 NGC Well #21-5-G  
 NW¼ NE¼ Section 5, T.9S., R.16E.

1. Surface Formation: Uintah
2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Uintah	Surface	5811' KB
Green River	1775'	4036'
Oil Shale Facies	2398'	3413'
Delta Facies	3458'	2353'
Green Shale Marker	4504'	1307'
Black Shale Facies	5723'	88'
Green River Lime	6183'	- 372'
Wasatch	6394'	- 583'
T.D.	6600'	- 789'

3. Producing Formation Depth:  
 Formation objectives include the Green River and the Wasatch.

4. Proposed Casing Program:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/Ft.</u>	<u>Setting Depth</u>	<u>Casing New/Used</u>
12-1/4"	9-5/8"	36#	300	New
7-7/8"	5-1/2"	17#	T.D.	New

5. BOP and Pressure Containment Data: A 3000 psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 9-5/8" surface casing. BOP system including the casing will be pressure tested to a minimum of 3000 psi for 30 mins. prior to drilling and will be mechanically checked daily during drilling operations.

6. Mud Program:

<u>Interval</u>	<u>Mud Weight lbs./gal.</u>	<u>Viscosity Sec./Qt.</u>	<u>Fluid Loss ML/30 mins.</u>	<u>Mud Type</u>
0-6000'	Clear Water	-----	No Control	Water/Gel
6000'-T.D.	8.8	40	10cc/less	L.S.N.D.

7. Auxiliary Equipment: Upper Kelly cock, full opening stabbing valve, 2½" choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging: \_\_\_\_\_

a) Testing: None are anticipated.

b) Coring: There is the possibility of sidewall coring.

c) Sampling: None (unless specified).

d) Logging:

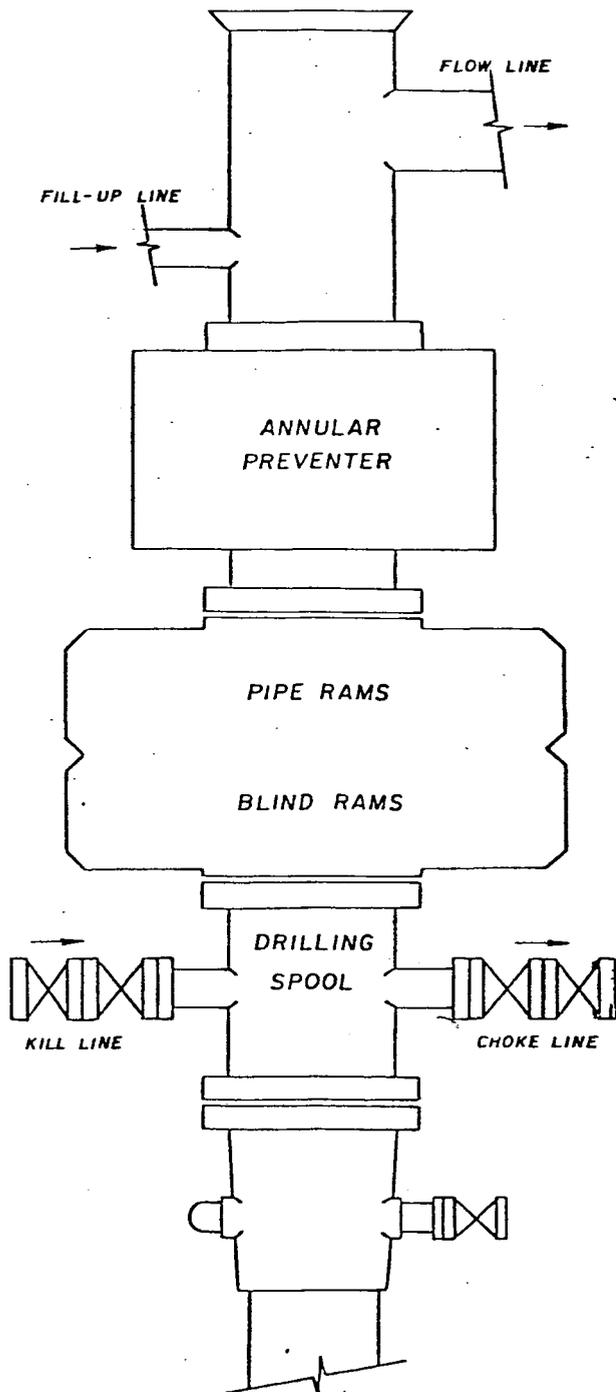
<u>Type</u>	<u>Interval</u>
DIL w/GR and SP	Logged interval to be selected by the wellsite geologist.
FDC/CNL w/GR and CAL	
F Log Overlay	
Prox-Micro Log w/GR and CAL	

9. Abnormalities (including sour gas): No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows may be anticipated in the Green River and Wasatch Formations.

10. Drilling Schedule: The anticipated starting date is Jan. 15, 1983 and duration of operations is expected to be around 15 days.

NATURAL GAS CORPORATION  
OF  
CALIFORNIA  
BOP AND PRESSURE CONTAINMENT DATA

NGC #21-5-G Federal  
NE $\frac{1}{4}$  NW $\frac{1}{4}$  Section 5, T.9S., R.16E.



1. BOP equip shall consist of a double gate, hydraulically operated preventer with pipe & blind rams or two single ram type preventers, one equipped w/pipe rams, the other w/blind rams.
2. BOP's are to be well braced w/ hand controls extended clear of substructure.
3. Accumulator to provide closing pressure in excess of that required w/sufficient volume to operate all components.
4. Auxiliary equipment: Lower kelly cock, full opening stabbing valve, 2 $\frac{1}{2}$ " choke manifold, pit level indicator &/or flow sensors w/alarms.
5. All BOP equipment, auxiliary equipment stand pipe & valves & rotary hose to be tested to the rate pressure of the BOP's at time of installation & every 30 days thereafter. BOP's to be mechanically checked daily.
6. Modification of hook-up or testing procedure must be approved in writing on tour reports by wellsite representative.

Natural Gas Corporation of California

13 Point Surface Use Plan

for

NGC #21-5-G Federal

NE $\frac{1}{4}$  NW $\frac{1}{4}$  Section 5, T.9S., R.16E.

Duchesne County, Utah

1. EXISTING ROADS

See attached topographic map A.

To reach NGC Well #21-5-G, proceed west from Myton, Utah on Highway 40 to Highway 53. Proceed south on Highway 53 for 9.5 miles. The proposed road will start at this point.

2. PLANNED ACCESS ROAD

See attached topographic map B.

The proposed access road will be 600 feet long. All road use off of Highway 53 is on NGC Lease U-30096.

The access road will be constructed to the following standards:

- 1) Width - The running surface will be 18 feet and the total disturbance width including the ditches will not exceed 30 feet.
- 2) Maximum grade - 1%.
- 3) Turnouts - None.
- 4) Drainage designs - Ditches will be constructed on each side of the road, V-shaped, 1 foot deep at 3:1 slopes.
- 5) Location and size of culverts, major cuts and fills - No culverts will be required. No major cuts will be required.
- 6) Surfacing materials - None.
- 7) Gates, cattleguards, or fence cuts - None.
- 8) The proposed road has been flagged.

3. LOCATION OF EXISTING WELLS

The following wells are located within a 1 mile radius of the location site.

- 1) Water Wells - None.
- 2) Abandoned Wells - None.
- 3) Temporarily Abandoned Wells - None.

- 4) Disposal Wells - None.
- 5) Drilling Wells - None.
- 6) Producing Wells - NGC Well #32-5-G in Sec. 5, T.9S., R.16E.
- 7) Shut-in Wells - None.
- 8) Injection Wells - None.
- 9) Monitoring or observation wells for other resources - None.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. (1) Tank batteries - Yes, a tank battery will be located on the location.  
(2) Production facilities - none.  
(3) Oil gathering lines - No lines will be required as the oil will be  
(4) Gas gathering lines - none. trucked.
- B. (1) In the event production is established, all petroleum production facilities are to be contained within the proposed location site. In the event that production of oil from this well is established, a berm will be constructed around the tank battery large enough to contain the contents of tanks.  
(2) Construction methods and materials - Production facilities will be placed on the proposed pad. Construction materials will come from the unused portion of the pad.  
(3) Livestock and wildlife protection - The evaporation pond will be fenced on all four sides and overhead wire with flagging installed, if there is oil in the pit.
- C. The rehabilitation of disturbed areas no longer required for the production of this well will be completed by backfilling, recontouring, topsoiling and seeding.

5. LOCATION AND TYPE OF WATER SUPPLY

See attached topographic map A.

Water will be obtained from Mr. Clark Roberts. An agreement has been made and is attached.

## 6. SOURCE OF CONSTRUCTION METHODS

All construction materials for this location site and access road will be borrow materials, accumulated during construction of the location site. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

## 7. METHODS FOR HANDLING WASTE DISPOSAL

- 1) Cutting, drilling fluids and produced fluids - A reserve pit will be constructed. The reserve pit will be approximately 10' deep and at least one-half of this depth shall be below the surface of the existing ground.

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

Prior to the onset of drilling, a "stock-tight" fence shall be installed on three sides of the reserve pit. This fence will be woven wire at least 36 inches high and within 4 inches of ground surface with one strand of barbed wire above the woven wire. At the completion of drilling operations, the fourth side of the reserve pit will be fenced and allowed to dry completely before the pit is backfilled. If there is oil on the pits, overhead wire and flagging will be installed on the pits.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pit will be lined with a gel.

- 2) Sewage - A portable chemical toilet will be supplied for human waste.
- 3) Garbage - Trash cages will be on all locations and all trash will be removed to an authorized landfill. There will be no trash burning on the location.
- 4) Site Clean-up - Immediately after the rig is moved out, the area around the well site will be cleaned and all refuse placed in the trash cage and hauled to a local authorized sanitary landfill.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See typical rig layout.

10. PLANS FOR RESTORATION OF THE SURFACE

Prior to construction of the location, the top 6 inches of soil material will be stripped and stockpiled. This will amount to approximately 1500 cubic yards of material that will be stockpiled. Topsoil will be stockpiled on the north end of the location.

If the well is producing, the platform and pit areas no longer required for the production of the well will be backfilled, recontoured, topsoiled and seeded.

If the well is abandoned, the entire disturbed area (including roads) will be restored by: (1) backfilling; (2) recontouring; (3) topsoiling; (4) seeding. Specifically: the platform highwall(s) and road fill(s) will be eliminated by moving all excavated material back in place. Restoration of the location and access road will begin within 90 days after completion of the well. The BLM representative will be notified prior to starting the rehabilitation operations.

The following seed mixture and methods for seeding will be used:

The seed mixture will be determined by the Bureau of Land Management at the time of abandonment.

Seed will be planted after September 1 and prior to ground frost; or seed will be planted after the frost has left and before May 15. All seed will be drilled on the contour at a depth of  $\frac{1}{4}$  to  $\frac{1}{2}$  inch. Slopes too steep or rocky for machinery will be broadcast and the seed hand raked into the soil. When broadcasting the seed, the rate per acre will be doubled.

The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

- 1) The Vernal District BLM will be contacted by the Operator or dirt contractor forty eight hours prior to beginning any work on public land.
- 2) The dirt contractor will be furnished a copy of the approved APD and Surface Use Plan prior to beginning any work on public land.
- 3) All permanent (on-site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earthtone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted within 6 months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) are excluded.
- 4) Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with the surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Natural Gas Corporation of California  
85 South 200 East  
Vernal, UT 84078  
Attn: Bill Ryan or Rick Canterbury

Telephone: (801) 789-4573

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Natural Gas Corporation of California and its contractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

October 22, 1982

Date

*Rick Canterbury*  
Rick Canterbury, Associate Engineer

**NATURAL GAS CORPORATION  
OF CALIFORNIA**

85 South 200 East  
Vernal, Utah 84078

October 6, 1982

Mr. Clark Roberts  
P.O. Box 156  
Myton, UT 84052

Re: Natural Gas Corporation of CA  
Proposed Well #21-5-G Federal  
Section 5, T.9S., R.16E.

Dear Mr. Roberts:

The purpose of this letter is to make an additional agreement with you for a water supply for drilling operations on the above referenced well.

In consideration for you providing this water, Natural Gas Corporation of California will compensate you \$1200 per well, payable two weeks prior to the spudding of the well. If you are in agreement with this, please indicate your approval by signing below.

Sincerely,

*William A. Ryan*

William A. Ryan  
Petroleum Engineer  
Natural Gas Corporation of CA

Owner: \_\_\_\_\_

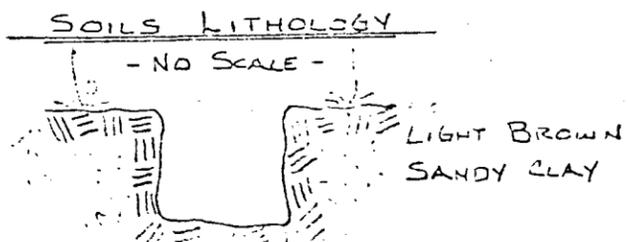
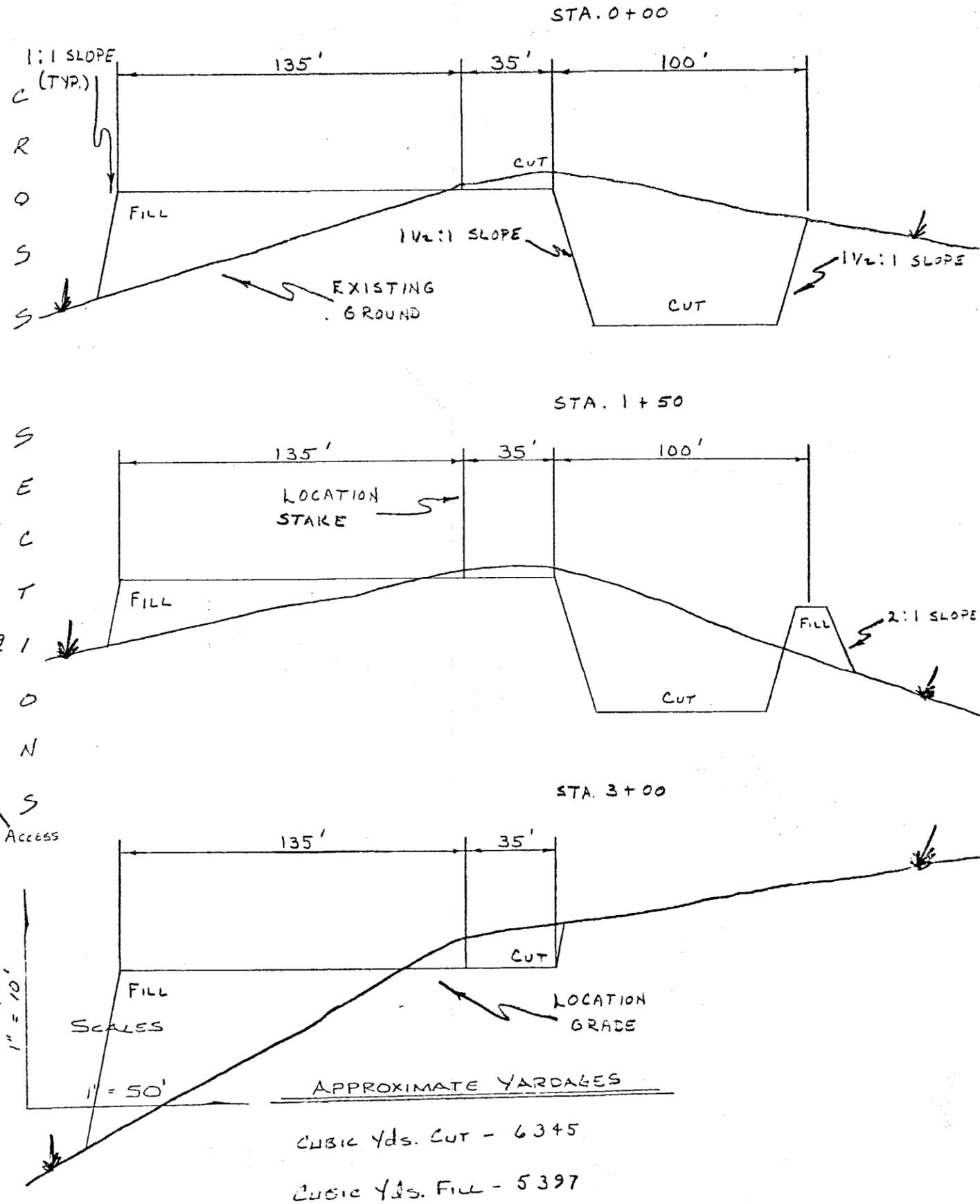
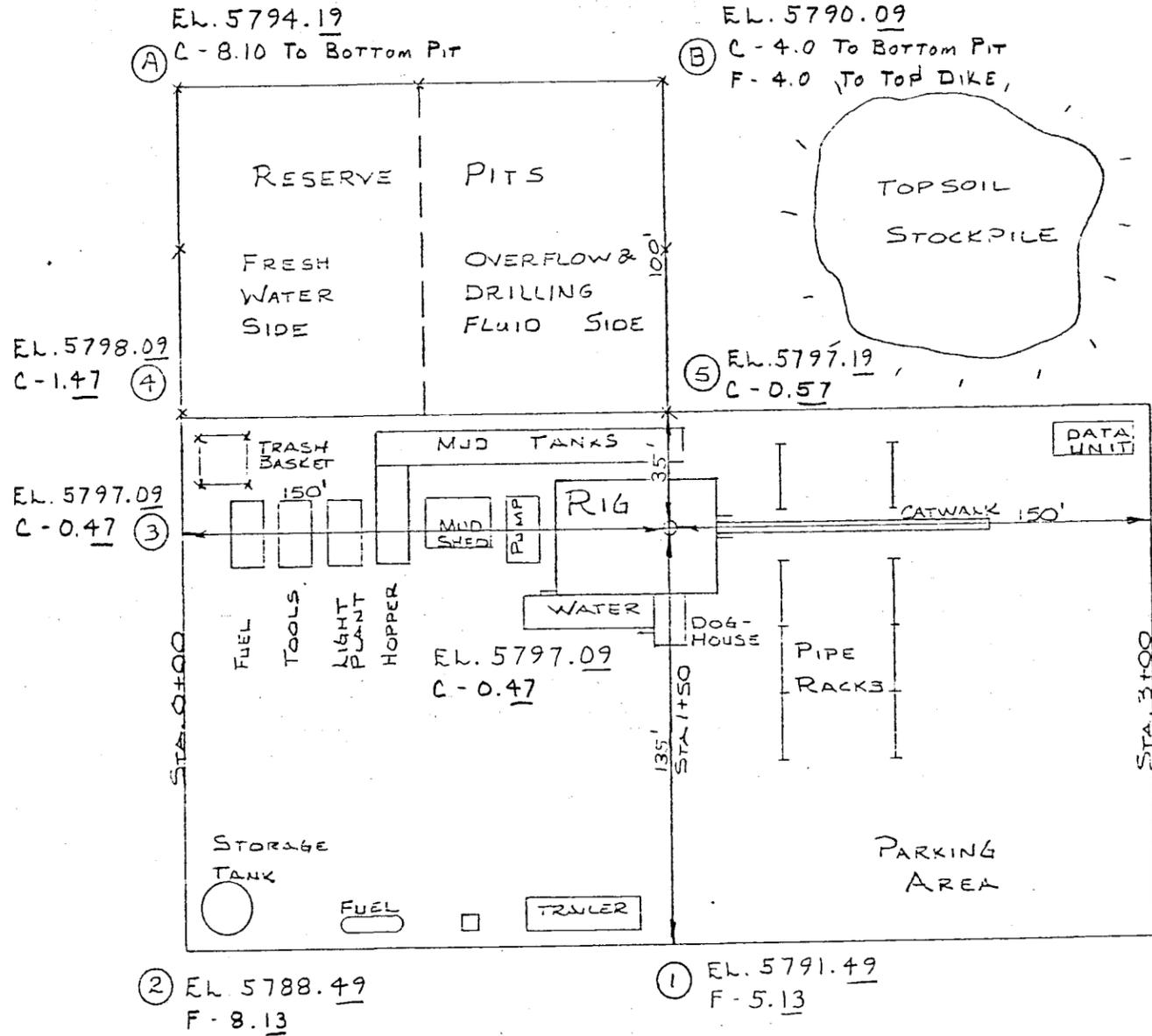
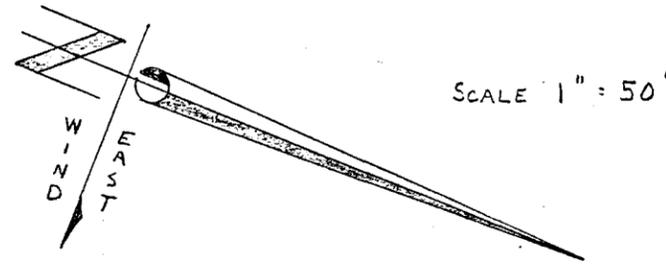
*Roberts*

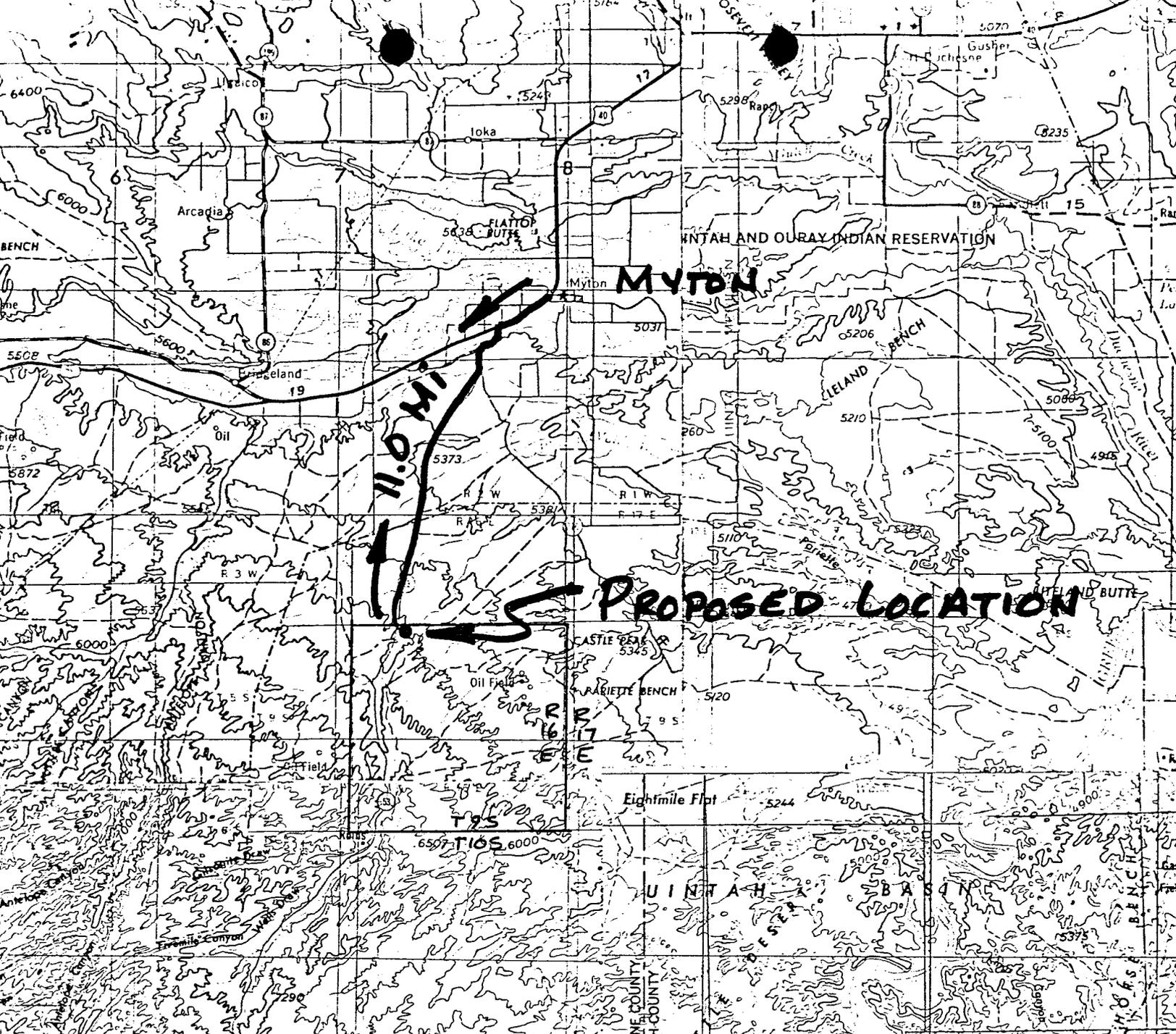
Date: \_\_\_\_\_

WAR/sr

# NATURAL GAS CORP. OF CALIFORNIA

NGC # 21-5-6





NATURAL GAS CORP.  
OF CALIF.

NGC # ZI-S-G

PROPOSED LOCATION

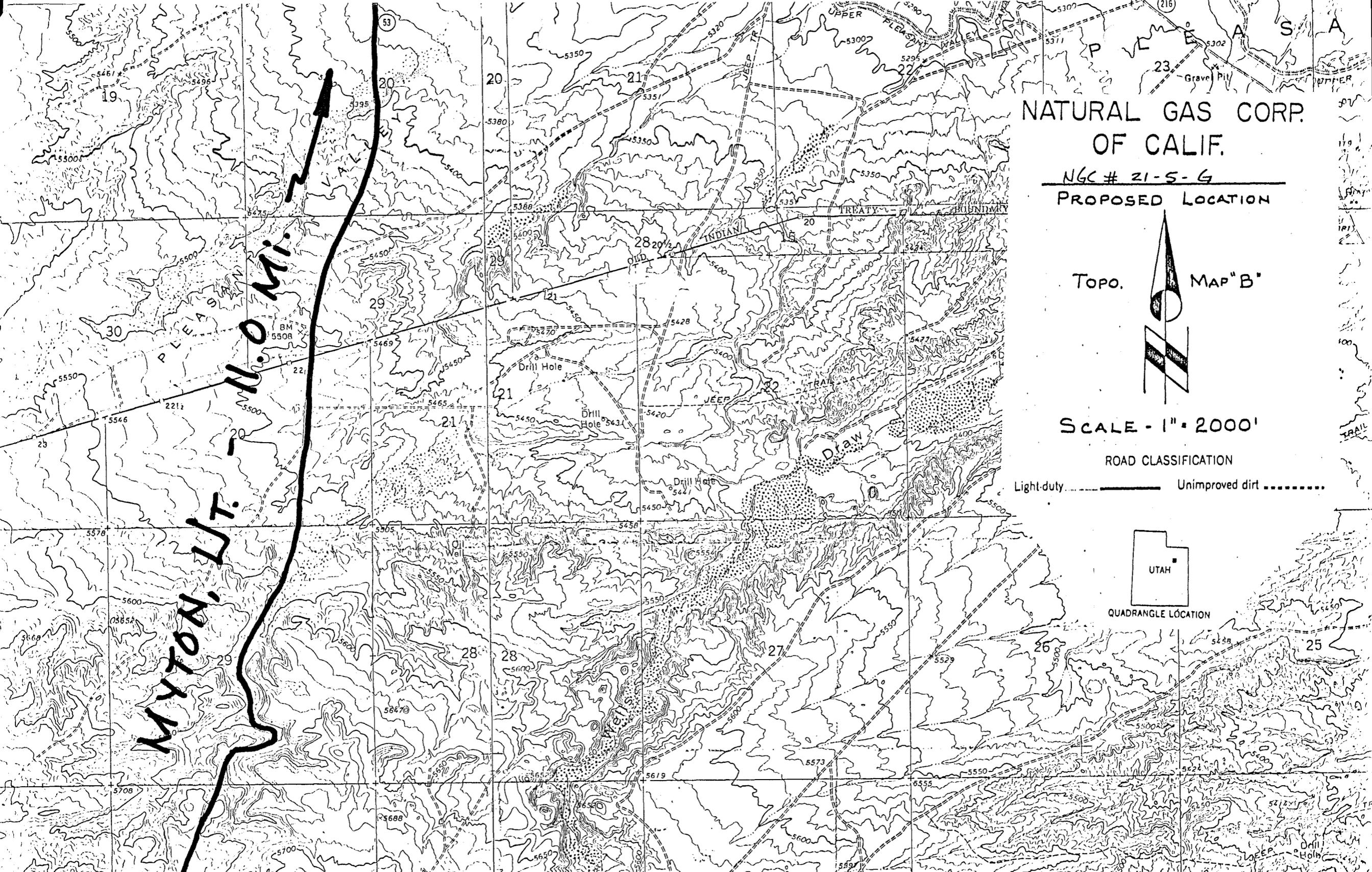
TOPO.

MAP "A"



SCALE - 1" = 4 MI.





NATURAL GAS CORP.  
OF CALIF.

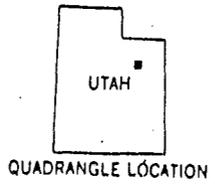
NGC # 21-5-G  
PROPOSED LOCATION

Topo. MAP "B"



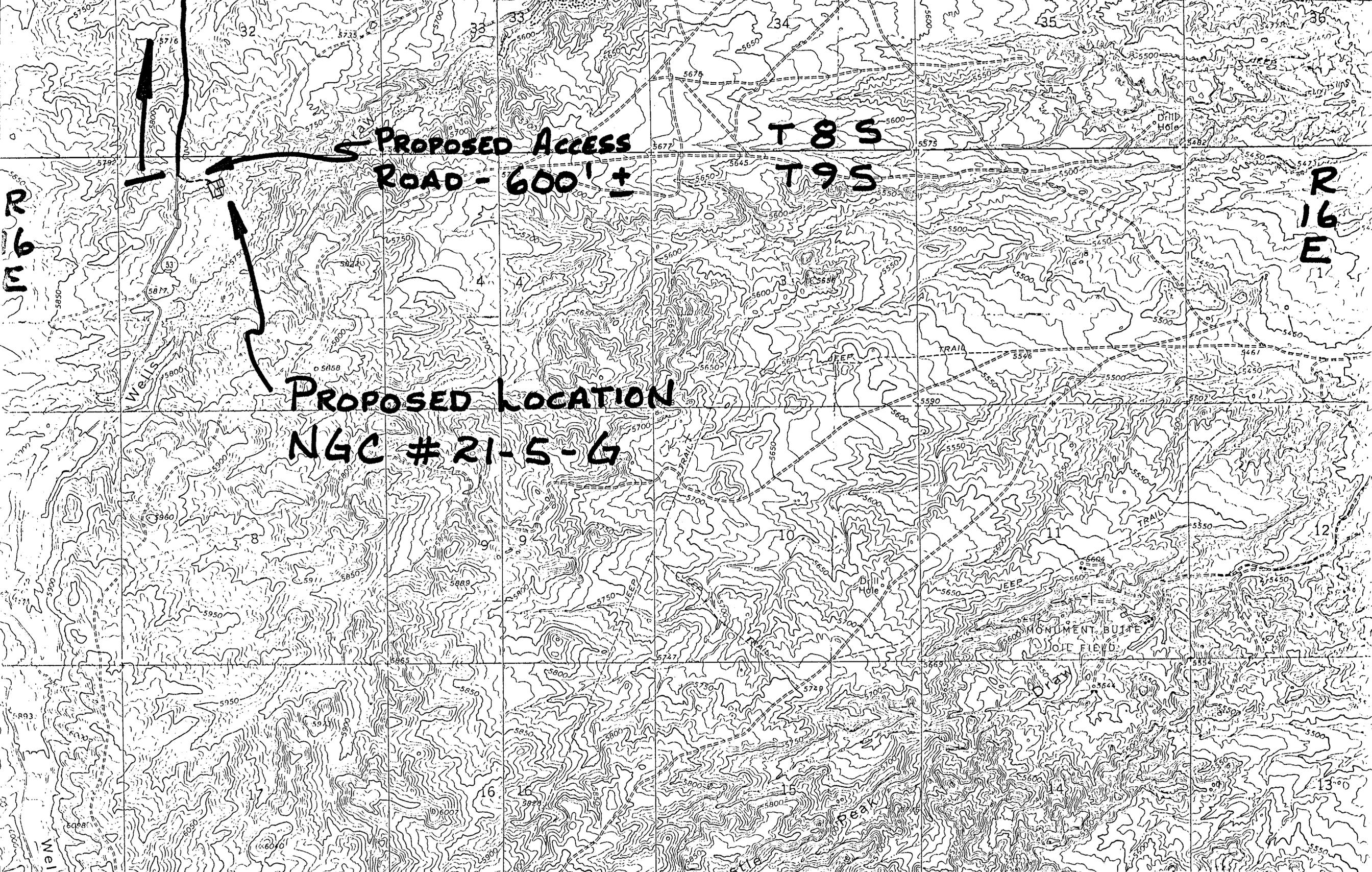
SCALE - 1" = 2000'

ROAD CLASSIFICATION  
Light-duty ----- Unimproved dirt .....



MYTON, UT. - 11.0 Mi.





M6R

R16E

T8S  
T9S

PROPOSED ACCESS  
ROAD - 600' ±

PROPOSED LOCATION  
NGC # 21-5-6



33

33

8

9

10

11

12

16

15

13

Peak

Ditch Hole

TRAIL

JEER

MONUMENT BUTTE

OLE FIELD

Wells

5716

5735

5750

5800

5877

5858

5911

5850

5950

5993

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5850

5950

5993

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5993

OPERATOR Natural Gas Corp of Calif DATE 10-25-82

WELL NAME NGC #21-5-6 Fed.

SEC NENW 5 T 95 R 16E COUNTY Duchene

43-013-30698  
API NUMBER

Fed.  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

no nearby wells

RJP ✓

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER       no      

UNIT       no      

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

October 28, 1982

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

RE: Well No. NGC 21-5-G Federal  
NENW Sec. 5, T.9S, R.16E  
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer  
Office: 533-5771  
Home: 571-6068

OR

CLEON B. FEIGHT - Director  
Office: 533-5771  
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30698.

Sincerely,

  
Norman C. Stout  
Administrative Assistant

NCS/as  
cc: Minerals Management Service  
Enclosure

7/27

Natural Gas  
Corporation of  
California

NGC NGC

March 7, 1983

State of Utah, Natural Resources and Energy  
Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Gentlemen:

This letter formally serves to request confidential status for the proposed Natural Gas Corporation of California 21-5G well located NE/4, NW/4, section 5, T9S, R16E, Duchesne County (undesignated field).

If any further information is needed, please inform me at the address below.

Sincerely,



S.R. BERESKIN  
Geologist

SRB/kak

cc: C.Colson  
D.McGinley  
B.Boswell  
Vernal, Operations

RECEIVED  
MAR 09 1983

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 673' FNL, 2005' FWL (NE $\frac{1}{4}$  NW $\frac{1}{4}$ )  
AT TOP PROD. INTERVAL: Sec. 5, T.9S., R.16E.  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Request confidential status	<input type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

Operator requests all information regarding this well be held confidential.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Wm. Ryan TITLE \_\_\_\_\_ DATE March 24, 1983

(This space for Federal or State office use)

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

cc: MMS; Div. OG&M; Operations; ERHenry; CTClark

NOTICE OF SPUD

*file*

Company: NECO of Co.

Caller: \_\_\_\_\_

Phone: Carls - Hamburg

Well Number: 21-5-G

Location: NENW 5-9S-16E

County: Duchesne State: Utah

Lease Number: U-30096

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 3-28-83 1:30 A.M.

Dry Hole Spudder/Rotary: \_\_\_\_\_

Details of Spud (Hole, Casing, Cement, etc.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Rotary Rig Name & Number: \_\_\_\_\_

Approximate Date Rotary Moves In: \_\_\_\_\_

FOLLOW WITH SUNDRY NOTICE

Call Received By: Kr

Date: 3-28-83

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

NAME OF COMPANY: NATURAL GAS CORP. OF CALIF.

WELL NAME: NGC 21-~~5~~-G

SECTION NENW 5 TOWNSHIP 9S RANGE 16E COUNTY Duchesne

DRILLING CONTRACTOR OLSON DRILLING CO.

RIG # 5

SPUDDED: DATE 3-28-83

TIME 1:30 AM

How Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Karla

TELEPHONE # \_\_\_\_\_

DATE 3-28-83 SIGNED RJF

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

### 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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 673' FNL, 2005' FWL (NE $\frac{1}{4}$  NW $\frac{1}{4}$ )  
AT TOP PROD. INTERVAL: Sec. 5, T.9S., R.16E.  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other): Report of Spud Date _____	

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

Operator reports the spudding of the subject well March 28, 1983 at 1:30 a.m. by Olsen Drilling Rig 5.

Spud date reported orally to Minerals Management Service March 28, 1983.

5. LEASE  
U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
NGC 21-5-G

10. FIELD OR WILDCAT NAME  
Pleasant Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 5, T.9S., R.16E.

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

14. API NO.  
43-013-30698

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5797' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

# CONFIDENTIAL

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

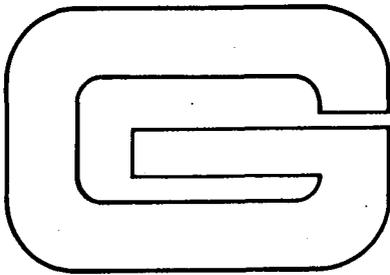
18. I hereby certify that the foregoing is true and correct

SIGNED Rick Canterbury TITLE Associate Engr. DATE March 28, 1983  
Rick Canterbury

(This space for Federal or State office use)

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

cc: MMS; Div. OG&M; Chorney; DeGolyer; Operations; CTClark; ERHenry; SFurtado



**Geoservices**

Telephone: (303) 371-5120 (24 Hr.)  
Telex: 454360 GEOSERVICE DVR  
Cable: GEOSERVICE Denver

**GEOSERVICES INCORPORATED**

4860 Ironton Street, Suite "F", Denver, Colorado 80239

April 13, 1983

RECEIVED

APR 19 1983

Div. Of Oil, Gas, Mining  
4241 State Office Bldg.  
Salt Lake City, UT 84114

DIVISION OF  
OIL, GAS & MINING

POW

9516E  
5

NGC

Ref: Federal 21-5G

Please find enclosed the final blue-line copies of the "Geoservices Master Log" for the above indicated well.

Geoservices, Inc. provided the hydrocarbon logging services on this particular well. We hope that you have found our services satisfactory.

If you have any questions in reference to the enclosed log, or in reference to any services we may be able to provide your company with, please don't hesitate to call me.

Sincerely,

Matt Tandy  
Manager, Denver Div., Operations

CONFIDENTIAL

MT/ss  
Encl.

Offices: Aberdeen / Abu Dhabi / Algiers / Ankara / Bahrain / Balikpapan / Brisbane / Cairo / Calgary / Caracas / Denver / Geneva / Jakarta / Halifax / Houston / Lagos / London / Madrid / Manila / Milan / Paris / Perth / Port Harcourt / Singapore / Stavanger / Tehran / Tokyo / Tripoli

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

U-30096 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
21-5-G

10. FIELD OR WILDCAT NAME  
~~Pleasant Valley~~

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 5, T.9S., R.16E.

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

14. API NO:  
43-013-30699

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5797' GR

**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 Form 9-331-C for well proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 673' FNL, 2005' FWL (NE $\frac{1}{4}$  NW $\frac{1}{4}$ )  
AT TOP PROD. INTERVAL: Sec. 5, T.9S., R.16E.  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Install production line	<input checked="" type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

Operator requests permission to install 3000' of 2 inch plastic line for natural gas production. The proposed pipeline will tie Well #21-5-G in with the existing NGC pipeline in the NE $\frac{1}{4}$  of Section 5, T.9S., R.16E. This proposed pipeline will be entirely on Federal Lease U-30096. The pipeline will be laid on the surface. There will be no blading or other surface disturbance.

~~APPROVED~~ BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE:                       
BY:                       
**FEDERAL LEASE**

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Rick Canterbury TITLE Associate Engr. DATE August 12, 1983

(This space for Federal or State office use)

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

cc: BLM; Div. OG&M; Chorney; DeGolyer; Operations; ERHenry; SFurtado

Natural Gas  
Corporation of  
California

3

NGC NGC

August 12, 1983

Mr. E. W. Guynn  
Bureau of Land Management  
1745 West 1700 South, Suite 2000  
Salt Lake City, UT 84104

Mr. Sam Boltz, Jr.  
Chorney Oil Company  
555 17th Street, Suite 1000  
Denver, CO 80202-3910

Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

Mr. Bob Gilmore  
DeGolyer & MacNaughton  
No. 1 Energy Square  
Dallas, TX 75206

Re: NGC #21-5-G Federal  
NE $\frac{1}{4}$  NW $\frac{1}{4}$  Section 5, T.9S., R.16E.  
Duchesne County, Utah  
Pleasant Valley area

Gentlemen:

Attached are copies of Form 9-331, Sundry Notices and Reports on Wells,  
Request for Approval to install production line for the subject well.

Yours truly,



Rick Canterbury  
Associate Engineer

/kh

Attachment

cc: Operations  
C. T. Clark (Cover letter only)  
E. R. Henry  
S. Furtado



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**CONFIDENTIAL**

3

**WELL COMPLETION OR RECOMPLETION REPORT**

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

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

**2. NAME OF OPERATOR**  
Natural Gas Corporation of California

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

**4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\***  
At surface 673' FNL, 2005' FWL (NE $\frac{1}{4}$  NW $\frac{1}{4}$ ) Section 5, T.9S., R.16E.  
At top prod. interval reported below  
At total depth

RECEIVED  
OCT 12 1983  
DIV. OF OIL GAS & MINING

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

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME**

**7. UNIT AGREEMENT NAME**

**8. FARM OR LEASE NAME**  
Federal

**9. WELL NO.**  
21-5-G

**10. FIELD AND POOL, OR WILDCAT**  
Undesignated

**11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA**  
Section 5, T.9S., R.16E.

**14. PERMIT NO.** 43-013-30698      **DATE ISSUED** 10-28-82

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

**15. DATE SPUNDED** 3-28-83      **16. DATE T.D. REACHED** 4-5-83      **17. DATE COMPL. (Ready to prod.)** 8-21-83      **18. ELEVATIONS (DF, REB, RT, GR, ETC.)\*** 5797' GR      **19. ELEV. CASINGHEAD**

**20. TOTAL DEPTH, MD & TVD** 6500'      **21. PLUG, BACK T.D., MD & TVD** 6270'      **22. IF MULTIPLE COMPL., HOW MANY\*** 4      **23. INTERVALS DRILLED BY** →      **ROTARY TOOLS** X      **CABLE TOOLS**

**24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\***  
4908-6111 Green River Formation

**25. WAS DIRECTIONAL SURVEY MADE** No

**26. TYPE ELECTRIC AND OTHER LOGS RUN**  
Comp Neutron Litho Density, DIL SP & GR, Micro Prox & Cal Sample

**27. WAS WELL CORED** No

**23. 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"	32	311'	12-1/4"	215 sx Class "G"	None
5-1/2"	15.5	6500'	7-7/8"	338 sx BS Lite, 863 sx 50/50 Pozmix	None

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

**31. PERFORATION RECORD (Interval, size and number)**  
See attached sheet.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See attached sheet.	

**33.\* PRODUCTION**

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
8/29/83	Pumping (American 228)	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/25/83	24		→	80	0	25	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
	150	→	80	0	25		

**34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)**

**TEST WITNESSED BY** Boyd Snow

**35. LIST OF ATTACHMENTS**  
Geological report to follow.

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

SIGNED Rick Canterbury TITLE Associate Engineer DATE Oct. 11, 1983  
Rick Canterbury

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

# INSTRUCTIONS

3

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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
				Green River Form.	1774'	
				Green Shale Facies	4133'	
				Black Shale "	5734'	
				Green River Lime	6221'	
				Wasatch	6420'	

31. Perforation Record

6291-94	3 SPF	10 holes
6098-6101	1 SPF	4 holes
6104-6111	1 SPF	8 holes
5596-5601	1 SPF	6 holes
5610-22	1 SPF	13 holes
5631-35	1 SPF	5 holes
5312-16	1 SPF	5 holes
5202-05	2 SPF	7 holes
4974-76	1 SPF	3 holes
4933-38	1 SPF	6 holes
4920-25	1 SPF	6 holes
4908-13	1 SPF	6 holes

32. Acid, Shot, Fracture, Cement Squeeze, etc.

6098'-6101, 6104'-6111'	Frac w/76,000# 20/40 sand and 31,440 gal. Versagel.
5596'-5635'	Frac w/144,000# 20/40 sand and 41,270 gal. Versagel.
5202'-5312'	Frac w/98,000# 20/40 sand and 31,150 gal. Versagel.
4908'-4974'	Frac w/180,000# 20/40 sand and 50,290 gal. Versagel.



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 13, 1984

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

Gentlemen

SUBJECT: ELECTRIC LOGS

According to our records, a "Well Completion Report" filed with this office dated October 11, 1983, on Well No. Federal 21-5-G, indicates the following electric logs were run: Comp Neutron Litho Density and DIL SP & GR. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Thank you for your prompt attention to the above matter.

Sincerely

A handwritten signature in cursive script that reads "Claudia L. Jones".

Claudia L. Jones  
Well Records Specialist

clj

cc Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
✓file

Natural Gas  
Corporation of  
California

RECEIVED

JUN 22 1984

DIVISION OF OIL  
GAS & MINING

*File*

NGC NGC

June 18, 1984

Ms. Claudia L. Jones  
Well Records Specialist  
State of Utah Natural Resources  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: NGC Federal #21-5-G, Pleasant Valley  
NENW Section 5-9S-16E, Duchesne County, Utah

Dear Claudia:

Enclosed are the logs for the #21-5-G as you requested in your letter dated June 13, 1984.

Please acknowledge receipt of these logs by signing below and returning one (1) copy of this letter. Thank you.

Sincerely,

*David Richards*

David Richards  
Geologist

Enc.  
DR:ps

Received by:

*Arlene Solis*

Date:

*6/22/84*

*Copy sent  
4/22/84  
ad.*

Denver Corporate Center - Tower II  
7800 East Union Avenue - Suite 800  
Denver, Colorado 80237  
(303)694-6076

Scott M. Matheson  
Governor

STATE OF UT  
DEPARTMENT OF HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH  
Utah Water Pollution Control Committee  
150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110-2500

JIM

JUN 29 1984



June 26, 1984

Calvin K. Sudweeks  
Executive Secretary  
Rm 410 (801) 533-6146

RECEIVED

JUN 28 1984

DIVISION OF OIL  
GAS & MINING

James O. Mason, M.D., Dr.P.H.  
Executive Director  
Department of Health  
801-533-6111

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

ATTENTION: William A. Ryan

Kenneth L. Alkema  
Director  
Division of Environmental Health  
801-533-6121

Gentlemen:

MEMBERS

Grant K. Borg, Chairman  
W. Lynn Cottrell  
Harold B. Lamb  
Kenneth L. Alkema  
Franklin N. Davis  
Dale P. Bateman  
Joseph A. Urbanik  
C. Arthur Zeldin  
Mrs. Lloyd G. Bliss

We acknowledge receipt of your letter dated May 30, 1984 notifying us of the location of the ponds for the wells described below and sources of produced water in accordance with Part VI, Utah Wastewater Disposal Regulations, Section 6.5.1.b. The regulations require that the disposal ponds...."shall be constructed such that no surface discharge or significant migration to subsurface will result."

As time and weather allows, a brief inspection of these ponds will be made by members of our staff during this next month. The wells are:

Well Number	Section	Township	Range	Average Quantity(BWPD) Produced Water
41-30-H	30	9S	17E	4.0
21- 5-G	5	9S	16E	4.0
24- 9-H	9	9S	17E	3.0
11-31-I	31	9S	18E	4.0

If you have any questions regarding this matter, please contact us.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE

Calvin K. Sudweeks  
Executive Secretary

BLN:pa

cc: Division of Oil, Gas and Mining  
Uintah Basin District Health Department  
BLM/Oil and Gas Operation

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP  
(Other instruction re-  
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-30096	
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  673' FNL 2005' FWL NE NW		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-013-3698		9. WELL NO. NGC 21-5-G	
15. ELEVATIONS (Show whether DF, HT, CR, etc.) 5797' GR		10. FIELD AND POOL, OR WILDCAT	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 5, T.9S., R.16E.	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

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

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

(Other) Request Temporary Surface Pit X

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

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

Operator requests an unlined surface pit per NTL-2B, Sec. VI. The subject pit would be used as a blow down pit when the well is flow tested.

If you require additional information, please contact me at our Vernal office - telephone 789-4573.

RECEIVED  
NOV 23 1984

DIVISION OF  
OIL, GAS & MINING

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

SIGNED William A. Ryan TITLE Petroleum Engineer DATE November 15, 1984

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

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

DATE: 12/20/84  
BY: John R. Bap

\*See Instructions on Reverse Side

Natural Gas  
Corporation of  
California

RECEIVED  
OCT 08 1986

DIVISION OF  
OIL, GAS & MINING

October 6, 1986

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

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

Re: Gas Sales to Pipeline  
Pleasant Valley Field

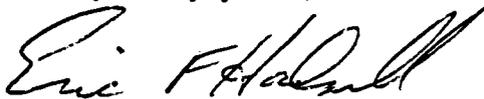
Gentlemen,

Attached is form 3160-5, "Sundry Notices and Reports of Wells", notifying you that 15 of our Pleasant Valley wells were venting gas from September 26, 1986 to October 4, 1986. All 15 wells as listed below are currently producing to Mountain Fuel's gas gathering system.

Lease #U-30096	32-5-G, 21-5-G, 12-4-G, & 42-4-G
Lease #U-10760	12-8-H, 31-8-H, 41-8-H, & 42-8-H
Lease #U-50750	11-9-H, 12-9-H, & 22-9-H
Lease #U-30688	33-34-D
Lease #U-45031	42-34-D & 43-34-D
Lease #U-49430	13-35-D

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

Very truly yours,



Eric F. Hadsell  
Lead Engineer

/KH

cc: Operations  
S. Furtado (Room 1449)  
L. Jorgensen (Room 1412)  
Files

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE\*  
(Other instructions on reverse side)

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

17  
EA

101535

5. LEASE DESIGNATION AND SERIAL NO.

See attached list

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

See attached list

10. FIELD AND POOL, OR WILDCAT

Pleasant Valley area

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

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

RECEIVED  
OCT 08 1986  
DIVISION OF OIL, GAS & MINING

14. PERMIT NO.

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

12. COUNTY OR PARISH

13. STATE

Utah

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

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

Operator advises that due to contractual problems with pipeline companies and FERC, 15 of our Pleasant Valley wells began venting gas September 26, 1986. At that time we began testing to determine the amount of gas being vented at each well.

October 4, 1986 we were notified that these wells could go back on production. All wells are currently on production and venting has ceased.

Attached is a list of these wells.

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

SIGNED Eric F. Hadsett

TITLE Lead Engineer

DATE October 6, 1986

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

PLEASANT VALLEY WELLS VENTING GAS

WELL	LOCATION	COUNTY	LEASE NO.
32-5G	SW/NE Sec. 5, T9S, R16E	Duchesne	U-30096
21-5G	NE/NW Sec. 5, T9S, R16E	Duchesne	U-30096
12-4G	SW/NW Sec. 4, T9S, R16E	Duchesne	U-30096
42-4G	SE/NE Sec. 4, T9S, R16E	Duchesne	U-30096
12-8H	SW/NW Sec. 8, T9S, R17E	Duchesne	U-10760
31-8H	NW/NE Sec. 8, T9S, R17E	Duchesne	U-10760
41-8H	NE/NE Sec. 8, T9S, R17E	Duchesne	U-10760
42-8H	SE/NE Sec. 8, T9S, R17E	Duchesne	U-10760
11-9H	NW/NW Sec. 9, T9S, R17E	Duchesne	U-50750
12-9H	SW/NW Sec. 9, T9S, R17E	Duchesne	U-50750
22-9H	SE/NW Sec. 9, T9S, R17E	Duchesne	U-50750
33-34D	NW/SE Sec. 34, T8S, R18E	Uintah	U-30688
42-34D	SE/NE Sec. 34, T8S, R18E	Uintah	U-45031
43-34D	SE/NE Sec. 34, T8S, R18E	Uintah	U-45031
13-35D	NW/SW Sec. 35, T8S, R18E	Uintah	U-49430

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.  
U-30096 POW-GARU

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
040716

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

21-5-G

10. FIELD AND POOL, OR WILDCAT

Castle Peak

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

Sec 5, T9S, R16E

12. COUNTY OR PARISH 13. STATE

Duchesne Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
673' FNL 2005' FWL NE NW

14. PERMIT NO. 43-013-~~3698~~ 30698

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5797' GR

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS   
Vent Gas

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

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

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

Due to problems with our transporter, Amgas, we are currently forced to vent gas from the subject well. The amount being vented is 26 MCFD.

Amgas has had management problems resulting in the shutting in of the three rental compressors on the gathering system. Amgas has made major corporate changes in administration and is hoping to have the gathering system operational within 90 days.

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

SIGNED Christ M. Hedblom TITLE Production Supt. DATE 3/29/88

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED  
JUL 11 1988  
DIVISION OF OIL, GAS & MINING

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State laws. See also space 17 below.)  
At surface  
673' FWL 2005' FWL NE NW

14. PERMIT NO. 30698  
43-013-3698

15. ELEVATIONS (Show whether OF, RT, GR, etc.)  
5797' Fr

7. UNIT AGREEMENT NAME  
Federal

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
21-5-G

10. FIELD AND POOL, OR WILDCAT  
Castle Peak

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

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

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

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

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

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

Due to problems with our transporter, Amgas, we are currently forced to vent gas from the subject well. The amount being vented is 40 MCFD.

Amgas has had management problems resulting in the shutting in of the three rental compressors on the gathering system. Amgas has made major corporate changes in administration and is hoping to have the gathering system operational within 30 days.

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

SIGNED Christ M. Hedden TITLE Production Supt. DATE 7/6 /88

(This space for Federal or State office use)

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

Federal approval of this action is required before commencing operations.

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

\*See Instructions on Reverse Side

DATE: 8-8-88  
BY: John R. Bay

Natural Gas  
Corporation of  
California

RECEIVED  
JUL 11 1988

Suspense  
SLS  
11-8-88

DIVISION OF  
OIL, GAS & MINING

July 7, 1988

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

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

Re: Report of Vented Gas at Pleasant Valley and Glen Bench

Gentlemen,

We are presently unable to sell our casinghead gas from the wells listed below because of problems with Amsel's gathering system that are preventing it from operating. As a result we are having to vent gas from these wells and they were recently tested at the following volumes:

Pleasant Valley #21-5-G	40 MCFD
Pleasant Valley #32-5-G	49 MCFD
Pleasant Valley #12-4-G	22 MCFD ✓
Pleasant Valley #42-4-G	139 MCFD
Pleasant Valley #22-9-H	56 MCFD
Pleasant Valley #11-9-H	72 MCFD
Pleasant Valley #41-8-H	54 MCFD
Pleasant Valley #42-8-H	28 MCFD
Pleasant Valley #31-8-H	29 MCFD
Pleasant Valley #12-8-H	18 MCFD ✓

Not venting the gas would be severely detrimental to our oil production so we request approval to continue to vent these amounts while the Amsel gathering system is inoperable.

In addition, due to the small and declining gas volumes from all of our Glen Bench and Pleasant Valley oil wells, we request approval to alter our testing schedule from monthly to yearly. We feel this would provide sufficient information on these low gas-oil ratio wells.

Sincerely,

*Mike McMican*

Mike McMican  
Petroleum Engineer

MM/cw

Attachments

cc: S. Furtado (Rm 1458); L. Jorgensen (Rm 1433); W.G. Paulsell (Rm 1428)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.

U-30096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

RECEIVED  
JUL 11 1988

UNIT AGREEMENT NAME

2. NAME OF OPERATOR  
Natural Gas Corporation of California

FARM OR LEASE NAME  
Federal

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

9. WELL NO.  
21-5-G

4. LOCATION OF WELL (Report location clearly and in accordance with any State laws, rules and regulations.)  
See also space 17 below.  
At surface

DIVISION OF  
OIL, GAS & MINING

10. FIELD AND POOL, OR WILDCAT  
Castle Peak

673' FWL 2005' FWL NE NW

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

Sec 5, T9S, R16E

14. PERMIT NO.  
30698  
43-013-3698

15. ELEVATIONS (Show whether DP, RT, GR, etc.)  
5797' Fr

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS   
Vent Gas

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

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

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

Due to problems with our transporter, Amgas, we are currently forced to vent gas from the subject well. The amount being vented is 40 MCFD.

Amgas has had management problems resulting in the shutting in of the three rental compressors on the gathering system. Amgas has made major corporate changes in administration and is hoping to have the gathering system operational within 30 days.

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

SIGNED Clayton M. Hedden

TITLE Production Supt.

DATE 7/6 /88

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

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

Federal approval of this action  
is required before commencing  
operations.

\*See Instructions on Reverse Side

DATE: 8-8-88

BY: John R. Bay



UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

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

Utah Account No. N0700

Report Period (Month/Year) 5 / 89

Amended Report

Well Name	API Number	Entity	Location	Producing Zone	Days Oper	Production Volume		
						Oil (BBL)	Gas (MSCF)	Water (BBL)
X GLEN BENCH 31-30	4304731008	06045	08S 22E 30	GRRV				
X NGC FED 44-19	4304731257	06045	08S 22E 19	GRRV				
X NGC 13-20	4304731355	06045	08S 22E 20	GRRV				
X NGC 22-30	4304731260	06050	08S 22E 30	GRRV				
X GLEN BENCH 23-21	4304731007	06054	08S 22E 21	MVRD				
X FEDERAL 11-9-H	4301330887	06058	09S 17E 9	GRRV				
X NGC FED 11-31-1	4304731244	06065	09S 18E 31	GRRV				
X FED NGC 31-8H	4301330679	06075	09S 17E 8	GRRV				
X FED NGC 42-8H	4301330678	06080	09S 17E 8	GRRV				
X NGC 41-8H	4301330741	06085	09S 17E 8	GRRV				
X FED 41-30	4301330601	06095	09S 17E 30	GRRV				
X NGC 12-4G	4301330699	06100	09S 16E 4	GRRV				
X NGC FED 21-5G	4301330698	06105	09S 16E 5	GRRV				
TOTAL								

Comments (attach separate sheet if necessary) \_\_\_\_\_

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

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_

NGC  
Energy  
Company

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

RECEIVED  
JUN 21 1989

OK  
GULF STATES MINING

June 12, 1989

Dear Operator/Vendor:

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

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

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

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

All remittances should be mailed to:

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

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

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

Sincerely,

  
Keith H. Perkins  
Vice President Controller

KHP/chs

6-26-89

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

JAS

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:

UTAH ACCOUNT NUMBER: N0595

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

REPORT PERIOD (MONTH/YEAR): 8 / 94

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes			
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)	
✓	FRED MORRIS FED 19-1								
4301330587	00451	09S 17E 19	GRRV			✓	U13905		
✓	CASTLE PEAK FEDERAL 43-5								
4301330858	02043	09S 16E 5	GR-WS				U034217A	(wells draw GRRV unit)	
✓	DEVIL'S PLAYGROUND 32-31W								
4304731010	06047	09S 24E 31	MVRD	TA			✓	U9215	(Rec'd 10-21-94) * Paid 10-24-94
✓	POMCO 14-8								
4301330542	06057	09S 17E 8	GRRV				✓	U10760	
✓	FEDERAL 11-9-H								
4301330887	06058	09S 17E 9	GRRV				✓	U50750	
✓	FED NGC 31-8H								
4301330679	06075	09S 17E 8	GRRV				✓	U10760	
✓	NGC 41-8H								
4301330741	06085	09S 17E 8	GRRV				✓	"	
✓	FED 41-30								
4301330601	06095	09S 17E 30	GRRV				✓	U11385	
✓	NGC 12-4G								
4301330699	06100	09S 16E 4	GRRV				✓	U30096	(wells draw GRRV unit)
✓	NGC FED 21-5G								
4301330698	06105	09S 16E 5	GRRV				✓	"	(wells draw GRRV unit)
✓	FEDERAL 23-5-G								
4301331207	06105	09S 16E 5	GRRV				✓	"	(wells draw GRRV unit)
✓	NGC FED 32-5G								
4301330670	06110	09S 16E 5	GRRV				✓	"	(wells draw GRRV unit)
✓	FEDERAL 42-4								
4301330638	06115	09S 16E 4	GRRV				✓	"	(wells draw GRRV unit)
<b>TOTALS</b>									

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

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

DALEN Resources  
Oil & Gas Co.



October 5, 1994

OCT 11

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

Re: Company Name Change

Dear Ms. Romero:

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

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

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

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

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

Sincerely,

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

Jim Johnson  
Regulatory Analyst

JJ/sw  
Enclosures

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

State of Delaware  
*Office of the Secretary of State*

---

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

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

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



  
Edward J. Freel, Secretary of State

2261176 8100M

944175519

AUTHENTICATION:

7242629

DATE:

09-19-94

**CERTIFICATE OF OWNERSHIP  
AND MERGER**

**MERGING**

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

**INTO**

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

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

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

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

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

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

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

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

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

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

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

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

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

PG&E RESOURCES COMPANY

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

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

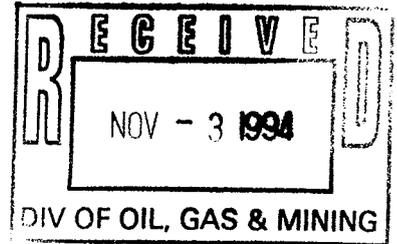
DALEN Resources  
Oil & Gas Co.



October 31, 1994

Kent E. Johnson  
Vice President  
Exploration/Development

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



Re: Name Change  
PG&E Resources Company

Gentlemen:

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

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

Very truly yours,

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

John R. Wingert  
Exploration Manager  
Northern Division

JRW:lkd

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

3100  
U-01470A  
(UT-923)

NOV 29 1994

CERTIFIED MAIL---Return Receipt Requested

DECISION

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

Corporate Name Change Recognized

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

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

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

/s/ ROBERT LOPEZ

Chief, Minerals  
Adjudication Section

Enclosure  
Exhibit

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

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

List of Leases Affected

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

U-034217A \*Confirmed Btm/ST  
11-29-94. Jee



ENTITY REVIEW

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

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

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

*DD* 2. Copies of documents have been sent to State Lands for changes involving State leases. *12/8/94 to Ed Bonn*

FILMING

1. All attachments to this form have been microfilmed. Date: *December 15* 19*94*.

FILING

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

COMMENTS

*941108 Btm/S.L. Not appr. yet!*

*941125 " Appr.'d.*

**ENSERCH  
EXPLORATION**<sub>INC</sub>

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

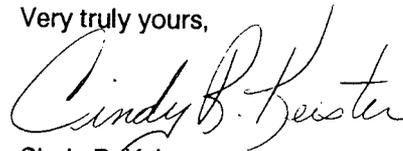
RE: Operator Name Change

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	30699
✓ *	Federal	21- 4G	U-30096	43-013-31272	NE NW	4	9S	16E	Duchesne	(W/W)
*	Federal	31- 4G	U-30096	✓ 43-013-31228	NW SE	4	9S	16E	Duchesne	
*	Federal	42- 4G	U-30096	✓ 43-013-30638	SE NE	4	9S	16E	Duchesne	
* *	Federal	21- 5G	U-30096	✓ 43-013-30698	NE NW	5	9S	16E	Duchesne	30698
*	Federal	22- 5G	U-30096	✓ 43-013-31273	SE NW	5	9S	16E	Duchesne	
*	Federal	23- 5G	U-30096	✓ 43-013-31207	NE SW	5	9S	16E	Duchesne	
*	Federal	31- 5G	U-30096	✓ 43-013-31252	NW NE	5	9S	16E	Duchesne	
✓ *	Federal	32- 5G	U-30096	43-013-30670	SW NE	5	9S	16E	Duchesne	(W/W)
✓ *	Federal	41- 5G	U-30096	43-013-31205	NE SW	5	9S	16E	Duchesne	(W/W)
*	Federal	43- 5G	U-034217-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	(W/W)
*	Federal	23- 33B	U-49092	✓ 43-013-31251	NE SW	33	8S	16E	Duchesne	
*	Federal	24- 33B	U-49092	✓ 43-013-31214	SE SW	33	8S	16E	Duchesne	
*	Federal	33- 33B	U-49092	✓ 43-013-31268	NW SE	33	8S	16E	Duchesne	
✓ *	Federal	34- 33B	U-49092	43-013-31269	SW SE	33	8S	16E	Duchesne	(W/W)
✓ *	Federal	43- 33B	U-49092	43-013-31240	NE SE	33	8S	16E	Duchesne	(W/W)
*	Federal	44- 33B	U-49092	✓ 43-013-31270	SE SE	33	8S	16E	Duchesne	
*	Federal	13- 34B	U-47171	✓ 43-013-31271	NW SW	34	8S	16E	Duchesne	
✓ *	Federal	14- 34B	U-47171	43-013-31225	SW SW	34	8S	16E	Duchesne	(W/W)
*	Federal	23- 34B	U-47171	✓ 43-013-31241	NE SW	34	8S	16E	Duchesne	
**	Federal	14- 4	U-07978	✓ 43-013-30671	SW SW	4	9S	17E	Duchesne	
**	Federal	34- 5	UTU-72108	✓ 43-013-30721	SW SE	5	9S	17E	Duchesne	
**	Federal	44- 5	UTU-72108	✓ 43-013-30913	SE SE	5	9S	17E	Duchesne	
**	Federal	12- 8H	U-10760	✓ 43-013-30680	SW NW	8	9S	17E	Duchesne	
**	Federal	21- 8H	U-10760	✓ 43-013-31460	NE NW	8	9S	17E	Duchesne	
**	Federal	22- 8H	U-10760	✓ 43-013-31457	SE NW	8	9S	17E	Duchesne	
**	Federal	31- 8H	U-10760	✓ 43-013-30679	NW NE	8	9S	17E	Duchesne	
**	Federal	32- 8H	U-10760	✓ 43-013-30542	SW NE	8	9S	17E	Duchesne	
**	Federal	41- 8H	U-10760	✓ 43-013-30741	NE NE	8	9S	17E	Duchesne	
**	Federal	42- 8H	U-10760	✓ 43-013-30678	SE NE	8	9S	17E	Duchesne	ORL
	Federal	24- 15H	U-10760	✓ 43-013-30681	SE SW	15	9S	17E	Duchesne	
**	Federal	11- 9H	U-50750	✓ 43-013-30887	NW NW	9	9S	17E	Duchesne	
**	Federal	12- 9H	U-50750	✓ 43-013-30983	SW NW	9	9S	17E	Duchesne	
**	Federal	13- 9H	U-50750	✓ 43-013-30656	NW SW	9	9S	17E	Duchesne	
**	Federal	14- 9H	U-50750	✓ 43-013-31459	SW SW	9	9S	17E	Duchesne	
	Federal	32-29	U-19267	✓ 43-047-31175	SWNE	29	9S	18E	WINSTON	POW

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

FEB 12 1996

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

FEB 09 1996

NOTICE

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

Merger Recognized

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

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

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

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

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

/s/ ROBERT LOPEZ

Chief, Branch of Mineral  
Leasing Adjudication

Enclosure

- 1. Exhibit (1p)

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

## Exhibit of Leases

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

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



# The State of Texas

## SECRETARY OF STATE CERTIFICATE OF MERGER

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

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

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

Dated December 19, 1995.

Effective December 31, 1995 04:55 PM



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

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

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

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

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

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

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

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

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

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

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

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

Dated this 12th day of December, 1995.

ENSERCH EXPLORATION, INC.

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



# The State of Texas

SECRETARY OF STATE

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



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

*Antonio O. Garza, Jr.*

Antonio O. Garza, Jr.  
Secretary of State

MAC

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

(MERGER)

Routing:

1- LEC / <i>[initials]</i>
2- DTS/ST-FILE <i>[initials]</i>
3- VLD-8-FILE <i>[initials]</i>
4- RJF <i>[initials]</i>
5- LEC <i>[initials]</i>
6- SJ <i>[initials]</i>

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 &amp; 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: <b>** SEE ATTACHED **</b>	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**

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

ENTITY REVIEW

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

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

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *OK 2/13/96*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

*VDL* 1. All attachments to this form have been microfilmed. Date: March 13 1996.

FILING

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

COMMENTS

*960212 Blm/SL Appr. eff. 12-31-95.*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
 Inland Production Company

3. Address and Telephone No.  
 475 17th Street, Suite 1500, Denver, Colorado 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)  
 Section 5, NE/4 NW/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 21-5G

9. API Well No.  
 43-013-30698

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

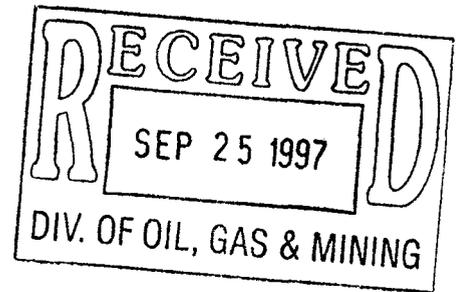
11. County or Parish, State  
 Duchesne County, Utah

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

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

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

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



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

(This space for Federal or State office use)

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

Conditions of approval, if any:

CC: UTAH DOGM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil  
 Well  
 Gas Well  
 Other

2. Name of Operator  
 ENSERCH EXPLORATION INC.

3. Address and Telephone No.  
 4849 Greenville Avenue, Suite 1200, Dallas, Texas 75206-4186 (214) 369-7893

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)  
 Section 5, NE/4 NW/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 21-5G

9. API Well No.  
 43-013-30698

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

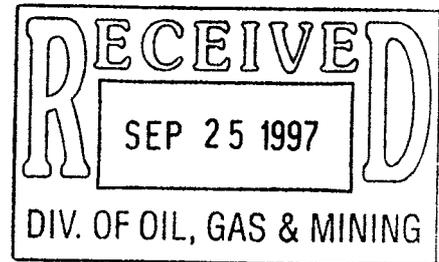
11. County or Parish, State  
 Duchesne County, Utah

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

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

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

Enserch Exploration Inc. has sold its interest in the WDU #21-5G Federal to Inland Production Company and relinquishes operations effective August 16, 1997. Inland Production Company operates under BLM Bond No. UT0056.



14. I hereby certify that the foregoing is true and correct  
 Signed [Signature] Title Sr. Production Analyst Date 08/14/1997

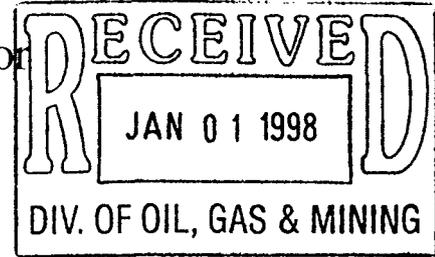
(This space for Federal or State office use)  
 Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

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



United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
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

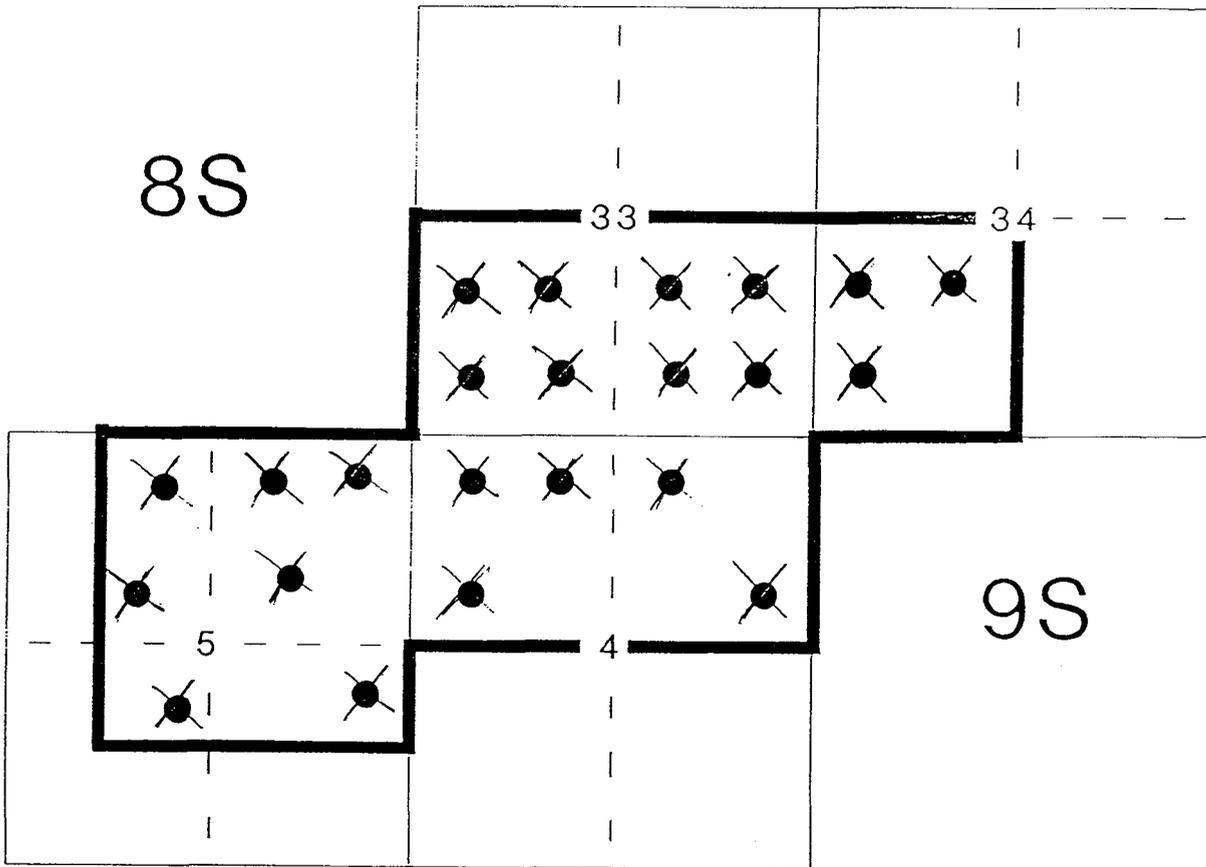
Enclosure

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%

ENTITY ACTION FORM - FORM 6

OPERATOR INLAND PRODUCTION CO

OPERATOR ACCT. NO. H 5160

ADDRESS \_\_\_\_\_

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

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

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

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	"

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

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N4940

REPORT PERIOD (MONTH/YEAR): 8 / 97

AMENDED REPORT  (Highlight Changes)

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

COMMENTS: \* 971027 Partial Change.

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

**OPERATOR CHANGE WORKSHEET**

Routing	
1-REC ✓	6-REC ✓
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 Operator
- Designation of Agent
- Operator Name Change Only

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

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

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

WELL(S) attach additional page if needed:

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-30698</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) X UIC DBase & Qua4ro 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 1/7/98 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 vff. 12-31-97.



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

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

Lowell P. Braxton  
Division Director

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

March 10, 1998

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

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

Gentlemen:

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

Sincerely,

*Lorraine Platt*

Lorraine Platt  
Secretary

Enclosure



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

Michael O. Leavitt  
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Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

March 10, 1998

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

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

Gentlemen:

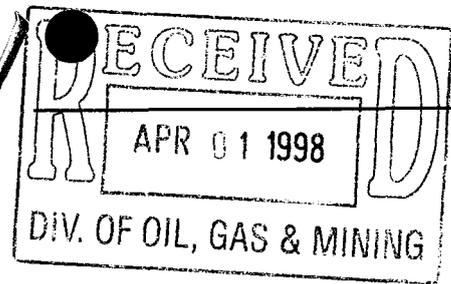
Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

*Lorraine Platt*

Lorraine Platt  
Secretary

Enclosure



March 30, 1998

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

RE: Permit Application for Water Injection Well  
Wells Draw Federal #21-5-G, Wells Draw Unit  
Monument Butte Field, Lease #U-30096  
Section 5-Township 9S-Range 16E  
Duchesne County, Utah

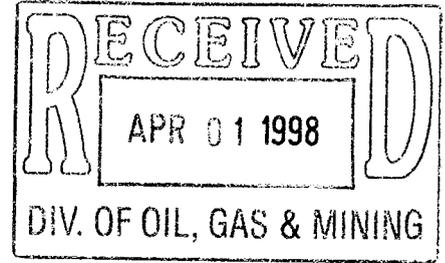
Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Wells Draw Federal #21-5-G from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit.

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

Sincerely,

John E. Dyer  
Chief Operating Officer



**INLAND PRODUCTION COMPANY**

**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**

**WELLS DRAW FEDERAL #21-5-G**

**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**

**WELLS DRAW UNIT**

**LEASE #U-30096**

**MARCH 30, 1998**

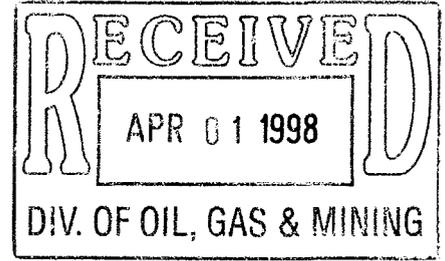
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**COVER PAGE**  
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**WORK PROCEDURE FOR INJECTION CONVERSION**  
**COMPLETED RULE R615-5-1 QUESTIONNAIRE**  
**COMPLETED RULE R615-5-2 QUESTIONNAIRE**  
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**ATTACHMENT H WORK PROCEDURE FOR PROPOSED PLUGGING AND**  
**ABANDONMENT**  
**ATTACHMENT H-1 WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

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



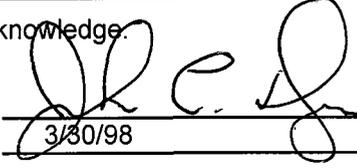
Well Name and number: Wells Draw Federal #21-5-G  
Field or Unit name: Monument Butte (Green River) Wells Draw Unit Lease No. U-30096  
Well Location: QQ NE1/4 section 5 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes [ X ] No [ ]  
Will the proposed well be used for: Enhanced Recovery? . . . . . Yes [ X ] No [ ]  
Disposal? . . . . . Yes [ ] No [ X ]  
Storage? . . . . . Yes [ ] No [ X ]  
Is this application for a new well to be drilled? . . . . . Yes [ ] No [ X ]  
If this application is for an existing well,  
has a casing test been performed on the well? . . . . . Yes [ X ] No [ ]  
Date of test: 4/10/83  
API number: 43-013-30698

Proposed injection interval: from 4908' to 6294'  
Proposed maximum injection: rate 500 bpd pressure 1794 psig  
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2  
mile of the well.

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

List of Attachments: Exhibits "A" through "G"

I certify that this report is true and complete to the best of my knowledge.  
Name: John E. Dyer Signature   
Title Chief Operating Officer Date 3/30/98  
Phone No. (303) 292-0900

(State use only)  
Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:

# Federal #21-5G

Initial Production: 80 BOPD, 0 MCFD  
25 BWPD

Spud Date: 3/28/83  
Put on Production: 8/29/83  
GL: 5797' KB: ?

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 32#  
LENGTH: ? JTS  
DEPTH LANDED: 311'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 215 sks Class "G" cmt, est ? bbls to surface

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: ? jts  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 338 sks BS Lite & 863 sks 50/50 Poz  
CEMENT TOP AT:  
SET AT: 6500'

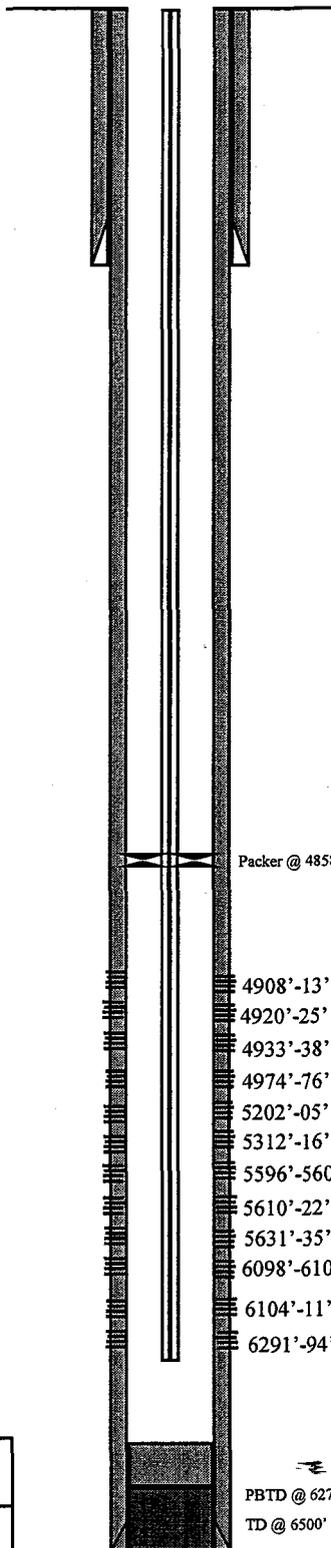
## TUBING

SIZE/GRADE/WT:  
NO. OF JOINTS:  
TUBING ANCHOR:  
SEATING NIPPLE:  
TOTAL STRING LENGTH: ?  
SN LANDED AT:

## SUCKER RODS

POLISHED ROD:  
SUCKER RODS:  
TOTAL ROD STRING LENGTH:  
PUMP NUMBER:  
PUMP SIZE:  
STROKE LENGTH:  
PUMP SPEED, SPM:  
LOGS: CBL/GR

## Proposed Injection Wellbore Diagram



## FRAC JOB

6098'-6111'	76,000# 20/40 sd and 31,440 gal Versagel
5596'-5635'	144,000# 20/40 sd and 41,270 gal Versagel
5202'-5312'	98,000# 20/40 sd and 31,150 gal Versagel
4908'-4974'	180,000# 20/40 sd and 50,290 gal Versagel

## PERFORATION RECORD

6291'-6294'	3 SPF	10 holes
6104'-6111'	1 SPF	4 holes
6098'-6101'	1 SPF	8 holes
5631'-5635'	1 SPF	5 holes
5610'-5622'	1 SPF	13 holes
5596'-5601'	1 SPF	6 holes
5312'-5316'	1 SPF	5 holes
5202'-5205'	2 SPF	7 holes
4974'-4976'	1 SPF	3 holes
4933'-4938'	1 SPF	6 holes
4920'-4925'	1 SPF	6 holes
4908'-4913'	1 SPF	6 holes



**Inland Resources Inc.**

**Federal #21-5-G**

637 FNL 2005 FWL

NENW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-33698; Lease #U-30096

PBTD @ 6270'  
TD @ 6500'

## WORK PROCEDURE FOR INJECTION CONVERSION

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

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

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

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

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

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

See Attachment A

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

Approval is requested to convert the Wells Draw Federal #21-5-G from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Wells Draw Unit. See Attachment D.

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

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

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

The injection zone is in the Douglas Creek Member of the Green River Formation. In the Wells Draw Federal #21-5-G well, the proposed injection zone is from 4908'-6294' with the top at 4908'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4908'.

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

The referenced log for the Wells Draw Federal #21-5-G is on file with the Utah Division of Oil, Gas and Mining.

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

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

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

See Attachment B.

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

See Attachment C.

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

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

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

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

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

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
  
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
  - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

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

All logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
  
  - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 32#, J-55 surface casing run to 311' GL, and the 5-1/2" casing run from surface to 6500' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
  
  - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
  
  - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

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

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

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1794 psig.

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

The fracture gradient for the Wells Draw Federal #21-5-G, for proposed zones (4908' – 6294') calculates at .78 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1794 psig. See Attachment G through G-4.

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

In the Wells Draw Federal #21-5-G, the injection zone (4908'-6294') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor interbedded shale streaks. The estimated average porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shales. The porous and permeable lenticular sandstone varies in thickness from 0-31', and are confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lucustrine shales. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

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

See Attachments E through E-8.

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

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

See Attachment C.

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

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

Attachment A

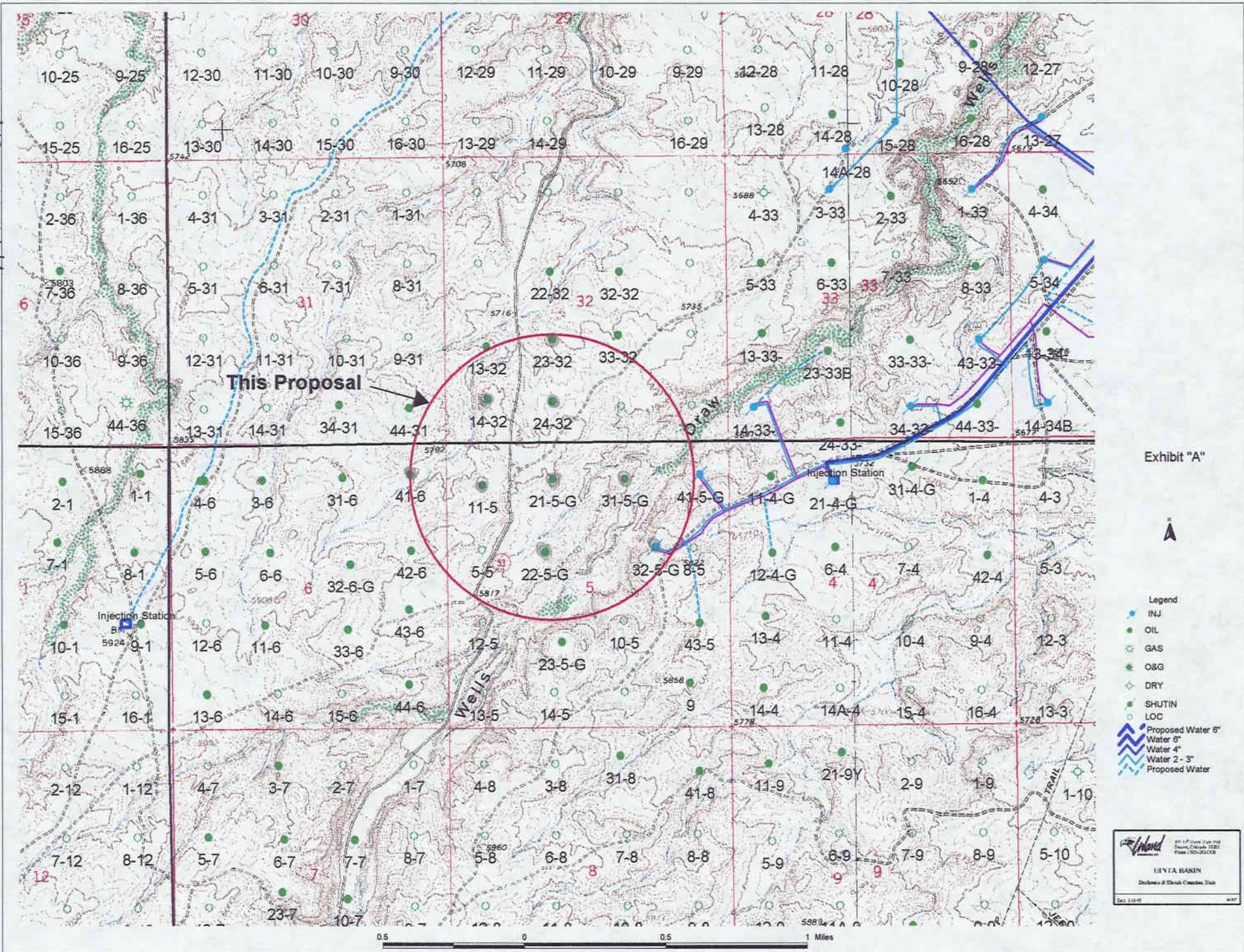


Exhibit "A"



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

**Inland**

311 1st Street, Suite 202  
 Denver, Colorado 80202  
 Phone: 303-350-0700

USTA BASIN

Duckens & Clark Creation, Utah

Dec 2016

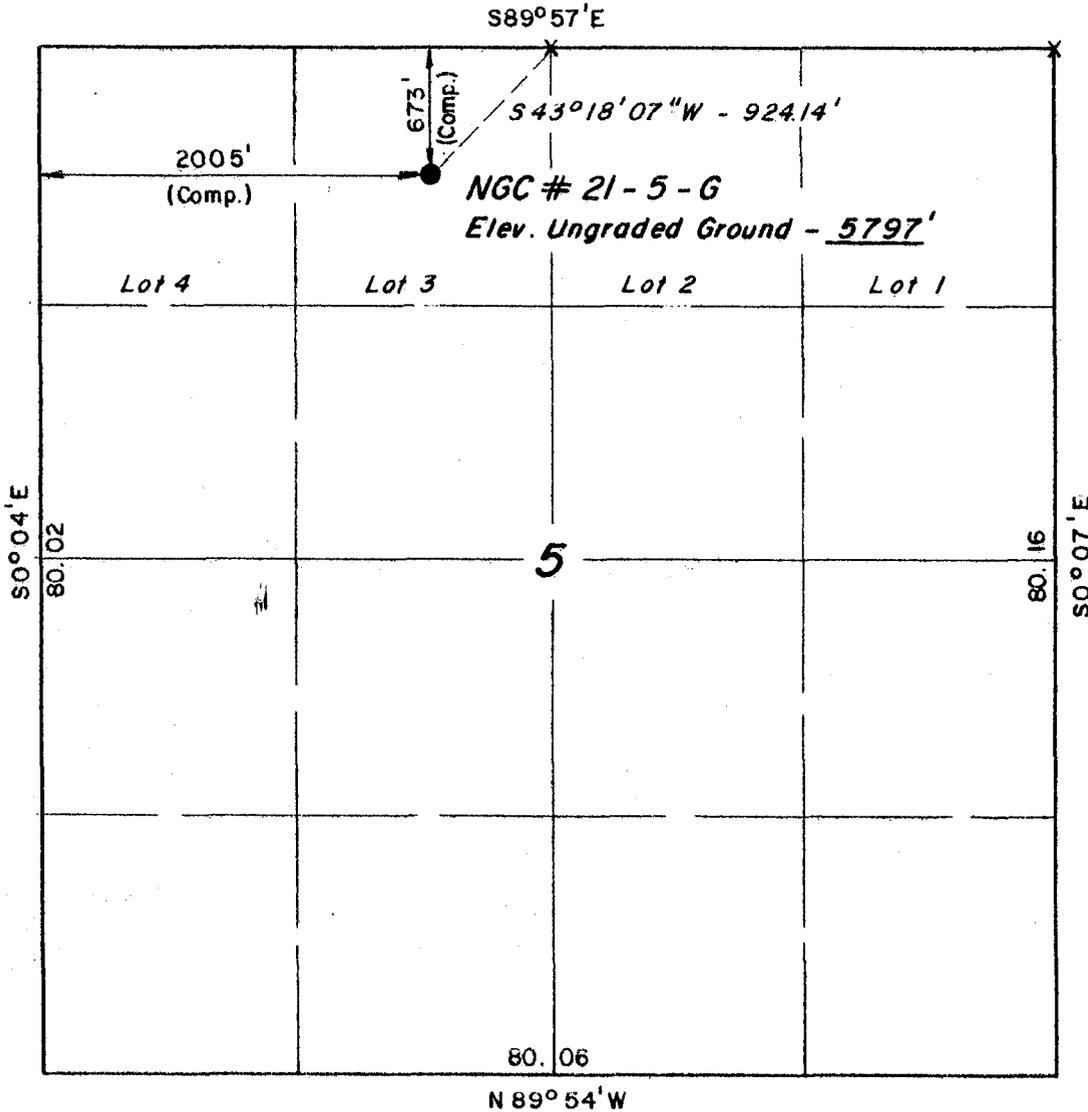
Attachment A-1

T 9 S , R 16 E , S . L . B . & M .

PROJECT

NATURAL GAS CORP. OF CALIFORNIA

Well location, *NGC # 21-5-G*, located as shown in the NE 1/4 NW 1/4 (Lot 3) Section 5, T9S, R16E, S.L.B. & M, Duchesne County, Utah.



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.

*Lawrence E. King*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO 3137  
 STATE OF UTAH

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

SCALE	1" = 1000'	DATE	9/27/82
PARTY	RK JF RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	NATURAL GAS

X = Section Corners Located

EXHIBIT B

Page 1

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

Attachment B  
(Pg 1 of 2)

EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
4	Township 9 South, Range 16 East Section 6: All Section 7: All Section 8: W/2 Section 9: NW/4SW/4 Section 17: NW/4 Section 18: L 1, 2, NE/4 E/2NW/4	UTU-74390 HBP	Inland Production Company Yates Petroleum Corp. ABO Petroleum Corp. Yates Drilling Company Myco Industries	(Surface Rights) USA
5	Township 9 South, Range 16 East Section 5: L 4, SW/NW	UTU-69744 HBP	Interline Resources Corporation Producers Pipeline Corporation	(Surface Rights) USA
6	Township 8 South, Range 16 East Section 32: All	ML-21836 HBP	Celsius Energy Co. Producers Pipeline Corp. Interline Resources Corporation	(Surface Rights) St. of Utah
7	Township 8 South, Range 16 East Section 31: SE/4SW/4, SE/4SE/4	UTU-49950 HBP	Inland Production Company	(Surface Rights) St. of Utah

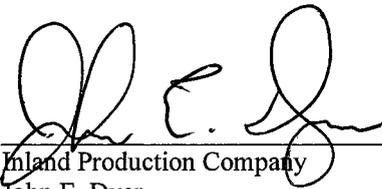
Attachment B  
(Pg 2 of 2)

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Wells Draw Federal #21-5-G

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

Signed:   
Inland Production Company  
John E. Dyer  
Chief Operating Officer

Sworn to and subscribed before me this 30<sup>th</sup> day of March, 1998.

Notary Public in and for the State of Colorado: Patsy A. Barreau



**My Commission Expires 11/14/2000**

# Federal #21-5G

Spud Date: 3/28/83  
 Put on Production: 8/29/83  
 GL: 5797' KB: ?

Initial Production: 80 BOPD, 0 MCFD  
 25 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 32#  
 LENGTH: ? JTS  
 DEPTH LANDED: 311'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 215 sks Class "G" cmt, est ? bbls to surface

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: ? jts  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 338 sks BS Lite & 863 sks 50/50 Poz  
 CEMENT TOP AT:  
 SET AT: 6500'

**TUBING**

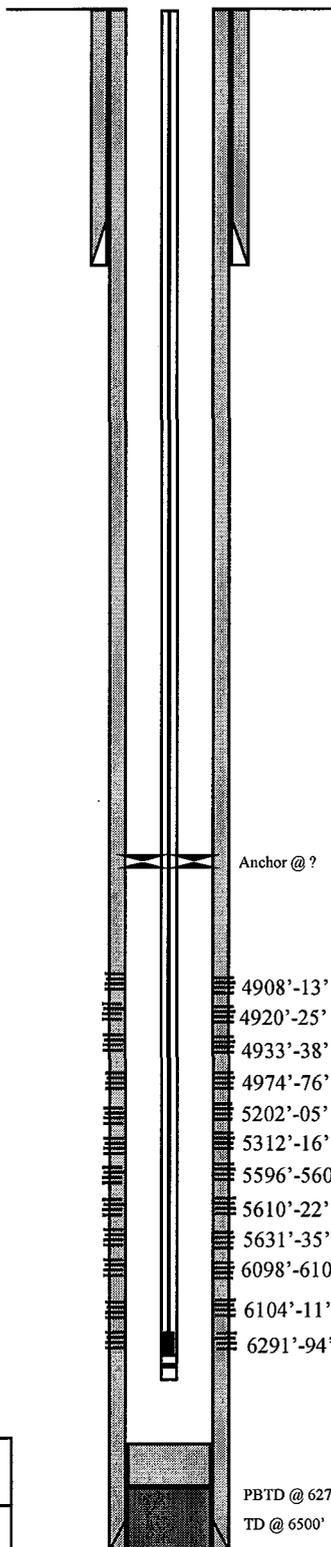
SIZE/GRADE/WT:  
 NO. OF JOINTS:  
 TUBING ANCHOR:  
 SEATING NIPPLE:  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT:

**SUCKER RODS**

POLISHED ROD:  
 SUCKER RODS:  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE:  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: CBL/GR

**FRAC JOB**

6098'-6111'	76,000# 20/40 sd and 31,440 gal Versagel
5596'-5635'	144,000# 20/40 sd and 41,270 gal Versagel
5202'-5312'	98,000# 20/40 sd and 31,150 gal Versagel
4908'-4974'	180,000# 20/40 sd and 50,290 gal Versagel



**PERFORATION RECORD**

6291'-6294'	3 SPF	10 holes
6104'-6111'	1 SPF	4 holes
6098'-6101'	1 SPF	8 holes
5631'-5635'	1 SPF	5 holes
5610'-5622'	1 SPF	13 holes
5596'-5601'	1 SPF	6 holes
5312'-5316'	1 SPF	5 holes
5202'-5205'	2 SPF	7 holes
4974'-4976'	1 SPF	3 holes
4933'-4938'	1 SPF	6 holes
4920'-4925'	1 SPF	6 holes
4908'-4913'	1 SPF	6 holes



**Inland Resources Inc.**

**Federal #21-5-G**

637 FNL 2005 FWL  
 NENW Section 5-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-33698; Lease #U-30096

PBTD @ 6270'  
 TD @ 6500'

# NGC Federal #32-5G

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

Initial Production: ? BOPD, ?  
 MCFPD, ? BWPD

**SURFACE CASING**

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

**PRODUCTION CASING**

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

**TUBING**

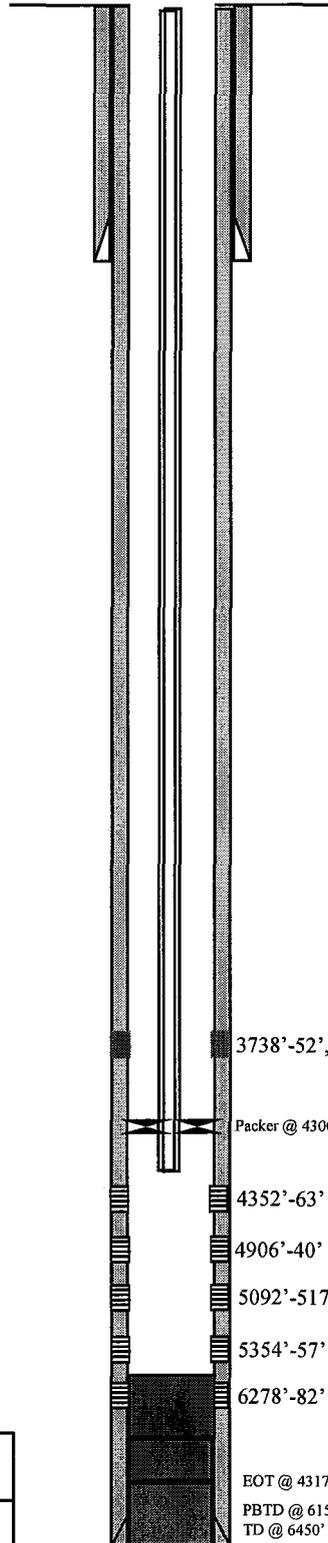
SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#  
 NO. OF JOINTS: ?  
 TUBING ANCHOR: ?  
 SEATING NIPPLE: ?  
 TOTAL STRING LENGTH: ?  
 SN LANDED AT: ?

**SUCKER RODS**

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

Injection Wellbore Diagram

FRAC JOB



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

Packer @ 4300'

**PERFORATION RECORD**

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

4352'-63'  
 4906'-40'  
 5092'-5175'  
 5354'-57'  
 6278'-82'

EOT @ 4317'  
 PBTD @ 6150'  
 TD @ 6450'



**Inland Resources Inc.**  
**NGC Federal #32-5G**  
 1976 FNL 1366 FEL  
 SWNE Section 5-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-30670; Lease #U-30096

# Federal #31-5G

Spud Date: 1/15/90  
 Put on Production: 4/7/90  
 GL: 5701' KB: 5712'

Initial Production: 100 BOPD, 0 MCFD  
 100 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 13-3/8" conductor and 8-5/8" surface  
 GRADE: H-40 and K-55  
 WEIGHT: 48# and 24#  
 LENGTH: 30' and 8 jts (320')  
 DEPTH LANDED: 30' and 332'  
 HOLE SIZE: 17-1/2" and 12-1/4"  
 CEMENT DATA: Conductor: 6 c/yd sand/cmt grout mix and surface 225 sxs Class "G", 2% CaCl<sub>2</sub>, 1/4#/sx cello flake

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: K-55  
 WEIGHT: 17#  
 LENGTH: 6390'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 318 sxs DS Hi Lift. Tail w/535 sxs DS 10-0 RFC  
 CEMENT TOP AT:  
 SET AT: 6388'

**TUBING**

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
 NO. OF JOINTS: 193  
 TUBING ANCHOR: 4215'  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: 6076'  
 SN LANDED AT: 6045'

**SUCKER RODS**

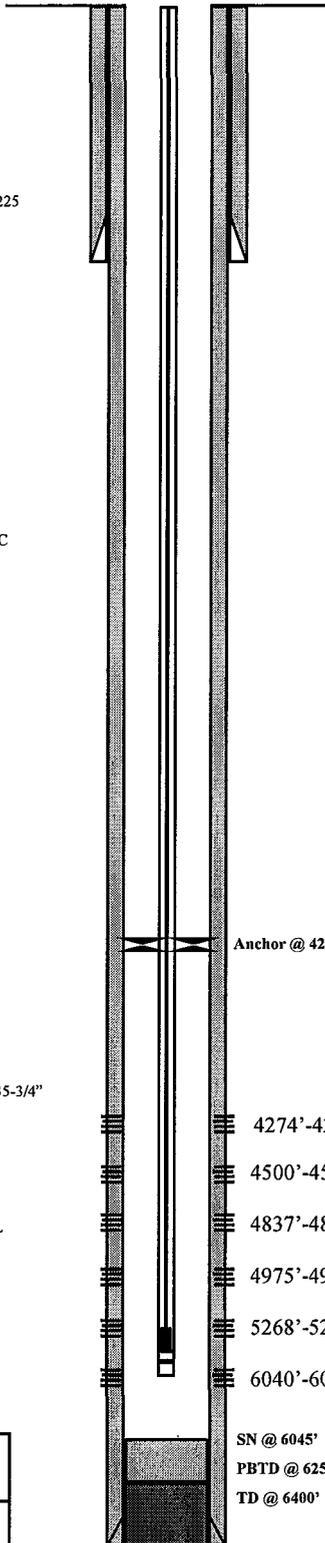
POLISHED ROD: 1-1/2"x22'  
 SUCKER RODS: 1-6' and 1-8' x7/8" pony rods; 95-7/8" scraped; 135-3/4" sucker rods; 9 sinker bars;  
 PUMP SIZE: 2-1/2"x1-1/2"x16" RHAC  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: FDC, CNL, GR, DUAL LATERLOG, MSFL, CBL, GR, VDL

**FRAC JOB**

4274'-4291'	35,100# 20/40 ss, 4,000# 16/30 ss, 844 bbls fluid @ avg 42 BPM @ 2200, ISIP 2430
4500'-4508'	24,100# 20/40 ss, 34,600 16/30, 641 bbls fluid @ avg 35 BPM @ 2500, ISIP 2750
4837'-4857'	52,500# 20/40 ss, 15,000# 16/30 ss, cut job short 1045 bbls fluid, @ avg 45 BPM @ 2400, ISIP 2250
4975'-4984'	32,230@ 20/40 ss 35,770 16/30, 784 bbls fluid @ avg 42 BPM @ 2300I, screened off 1/2 flush
5268'-5292'	57,500# 20/40 ss, 69,000# 16/30 ss, 1270 bbls fluid, @ avg 45 BPM @ 1900#, ISIP 2050
6040'-6050'	32,300# 20/40 ss, 42,500 #16/30 ss, 858 bbls fluid, @ avg 35 BPM @ 1950, ISIP 2150

**PERFORATION RECORD**

4274'-4291'	4 SPF	69 Holes
1200'-4508'	4 SPF	37 Holes
4837'-4857'	4 SPF	81 Holes
4975'-4984'	4 SPF	37 Holes
5268'-5292'	4 SPF	82 Holes
6040'-6050'	4 SPF	41 Holes





**Inland Resources Inc.**

**Federal #31-5G**

685' FNL 1925' FEL

NWNE Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31252; Lease #U-30096

# Federal #22-5G

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

Initial Production: 171 BOPD, 0 MCFD  
 43 BWPD

Wellbore Diagram

**SURFACE CASING**

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

**PRODUCTION CASING**

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

**TUBING**

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

**SUCKER RODS**

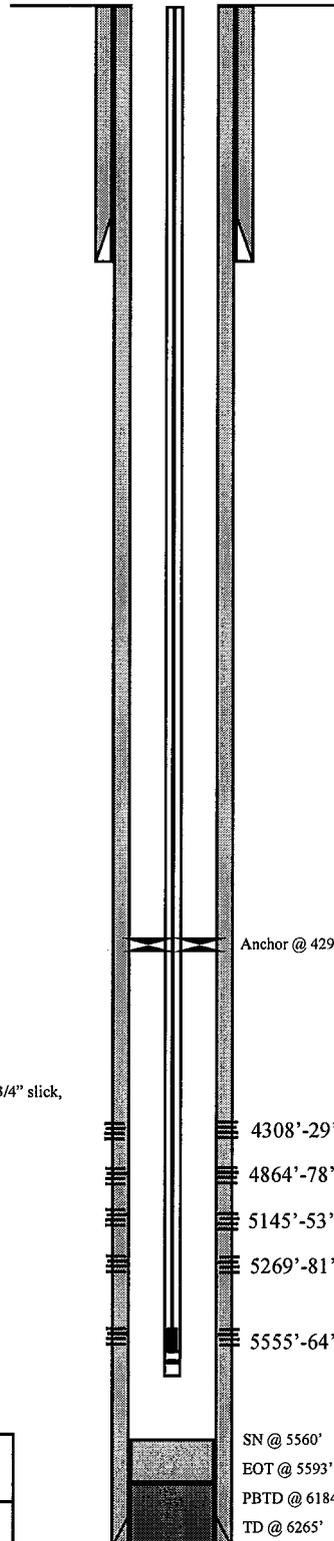
POLISHED ROD: 1-1/2"x22"  
 SUCKER RODS: 1-4', 1-8'x7/8" pony rods, 97-7/8" scraped, 115-3/4" slick, 9 sinker bars  
 TOTAL ROD STRING LENGTH:  
 PUMP NUMBER:  
 PUMP SIZE: 2-1/2"x1-3/4"x16' RHAC  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: CBL/GR

**FRAC JOB**

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

**PERFORATION RECORD**

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





**Inland Resources Inc.**

**Federal #22-5-G**

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

# State #11-5

Spud Date: 12/31/85  
 Put on Production: 2/11/86  
 GL: 5815' KB: 5829'

Initial Production: 101 BOPD,  
 100 MCFD, 0 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 40#  
 DEPTH LANDED: 285'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 197 sxs Class "G"

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 17#  
 DEPTH LANDED: 5978'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 185 sxs lodense & 250 sxs 10% Gypseal

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 165  
 TUBING ANCHOR: 5336'  
 SEATING NIPPLE: 2-1/4"  
 TOTAL STRING LENGTH: 5601'  
 SN LANDED AT: 5534'

### SUCKER RODS

POLISHED ROD: 1-1/2" X 22'  
 PONY RODS: 1 - 4' X 3/4" SUB, 1 - 8' X 3/4" SUBS, 216 - 3/4" PLAIN RODS, 4 WEIGHT RODS  
 PUMP SIZE: 2-1/2" X 1-1/2" X 16' AXELSON (TOP HOLD DOWN)  
 STROKE LENGTH: 1/4"  
 PUMP SPEED, SPM: 115  
 LOGS: DLL-MSFL, FDC-CNL

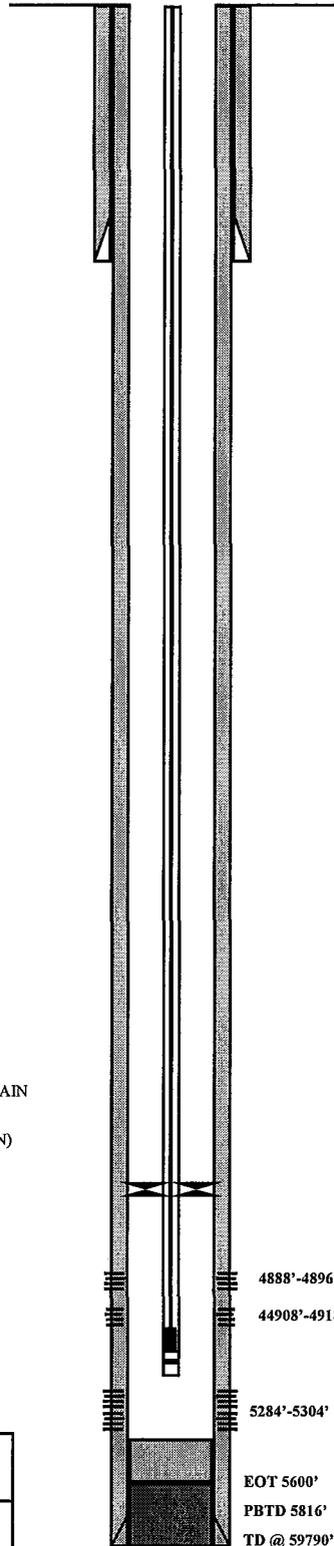
### FRAC JOB

6/1/85 4888'-4896' Pump 7,000 gal pad  
 4908'-4918' Pump 1500 gal 2# /gal 20/40  
 Pump 3,000 gal 4#/gal 20/40  
 Pump 4,000 gal 5#/gal 20/40  
 Pump 5,000 gal 6#/gal 20/40  
 Pump 4,000 gal 8#/gal 20/40  
 Flush w/120 bbls.

6/2/85 5284'-5304' Pump 7,000 gal pad  
 Pump 1500 gal 2# /gal 20/40  
 Pump 3,000 gal 4#/gal 20/40  
 Pump 4,000 gal 5#/gal 20/40  
 Pump 5,000 gal 6#/gal 20/40  
 Pump 4,000 gal 8#/gal 20/40  
 Flush w/80 bbls.

### PERFORATION RECORD

4888'-4896' 3 SPF  
 4908'-4918' 3 SPF  
 5284'-5304 3 SPF



4888'-4896'  
 44908'-4918'  
 5284'-5304'  
 EOT 5600'  
 PBT 5816'  
 TD @ 59790'



**Inland Resources Inc.**

**State #11-5**

687' FWL 781' FNL

NWNW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31144; Lease #U-30096

# Monument Federal #41-6-9-16Y

Spud Date: 11/29/96  
 Put on Production: 1/7/97  
 GL: 5802.7'

Initial Production: 136 BOPD,  
 91 MCFPD, 107 BWPD

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (250.70')  
 DEPTH LANDED: 260.70'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sks Class "G" cmt, est 5 bbls to surf.

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 140 jts (5985.41')  
 DEPTH LANDED: 5995.41'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 310 sks Class "G" & 435 sks 50/50 Poz  
 CEMENT TOP AT: 304' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 179 jts  
 TUBING ANCHOR: 4301'  
 TOTAL STRING LENGTH:  
 SN LANDED AT: ?'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 220-3/4" plain, 1-6', 2-2" x 3/4" pony pony  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' TWAC  
 STROKE LENGTH: 86"  
 PUMP SPEED, SPM: 5.8 SPM  
 LOGS: CBL/GR

**FRAC JOB**

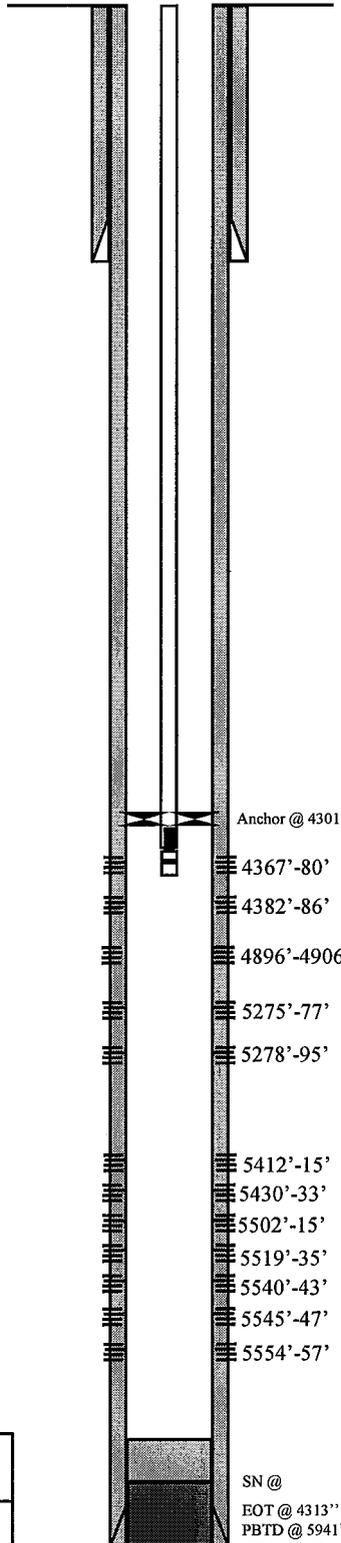
**12-11-96 5412'-5557'** **Frac as follows:**  
 Frac w/ 49,950# 20/40 mesh sand and 109,060# 16/30 mesh sand w/45,024 gals 2% KCL gelled water. ISIP-2550 psi, 5 min 2240 psi. ATP-2750 psi and ATR-44 BPM.

**12-13-96 5275'-5295'** **Frac as follows:**  
 Frac w/16,600# 20/40 mesh sand and 40,800# 16/30 mesh sand w/18,606 gals 2% KCL gelled water. ISIP-2500 psi, 5 min 1890 psi. ATP-1850 psi and ATR-26.1 BPM.

**12-13-96 5114'-5119'** **Frac as follows:**  
 Frac w/17,500# 16/30 mesh sand w/10,710 gals 2% KCL gelled water. ATP-2000 psi and ATR-26 BPM. ISIP-1870 psi, 5 min 1650 psi.

**12-17-96 4896'-4906'** **Frac as follows:**  
 Frac w/31,000# 16/30 mesh sand w/13,062 gals 2% KCL gelled water. ATP-2200 psi and ATR-25.5 BPM. ISIP-2800 psi, 5 min 1990 psi.

**12-17-96 4367'-4386'** **Frac as follows:**  
 Frac w/51,000# 16/30 mesh sand in 17,304 gals 2% KCL gelled water. ATP-2200 psi. ATR-25.8 BPM. ISIP-3150 psi, 5 min 2090 psi.



**PERFORATION RECORD**

Date	Interval	Tool	Holes
12-11-96	5412'-5415'	2 JSPF	6 holes
12-11-96	5430'-5433'	2 JSPF	6 holes
12-11-96	5502'-5515'	2 JSPF	26 holes
12-11-96	5519'-5535'	2 JSPF	32 holes
12-11-96	5540'-5543'	2 JSPF	6 holes
12-11-96	5545'-5547'	2 JSPF	4 holes
12-11-96	5554'-5557'	2 JSPF	6 holes
12-13-96	5275'-5277'	4 JSPF	8 holes
12-13-96	5278'-5295'	4 JSPF	68 holes
12-16-96	4896'-4906'	4 JSPF	40 holes
12-17-96	4367'-4380'	4 JSPF	52 holes
12-17-96	4382'-4386'	4 JSPF	16 holes

SN @  
 EOT @ 4313''  
 PBTD @ 5941'  
 TD @ 6000'



**Inland Resources Inc.**

**Monument Federal #41-6-9-16Y**

560 FNL 656 FEL  
 NENW Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31718; Lease #UTU-74390

# State #14-32

Spud Date: 4/24/85  
 Put on Production: 6/15/85  
 GL: 5806' KB: 5820'

Initial Production: 75 BOPD,  
 30 MCFD, 0 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 288'  
 HOLE SIZE: 10-1/4"  
 CEMENT DATA: 190 sxs "A" 2% calcium choride, 1/4 # flocele

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 17#  
 DEPTH LANDED: 6005'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 316 sxs lightweight III-S

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 173  
 TUBING ANCHOR: 5602'  
 SEATING NIPPLE: 2-1/4"  
 TOTAL STRING LENGTH: 5635'  
 SN LANDED AT: 5472'

### SUCKER RODS

POLISHED ROD: 1-1/2" X 22'  
 PONY RODS: 4 - 4' X 3/4" SUB, 1 - 8' X 3/4" SUBS, 214 - 3/4" PLAIN RODS, 4 WEIGHT RODS  
 PUMP SIZE: 2-1/2" X 1-1/2" X 16' AXELSON (TOP HOLD DOWN)  
 STROKE LENGTH: 121"  
 PUMP SPEED, SPM: 115  
 LOGS: FDC, GNL, MSFL, DLL-CBL, CCL, GR

### FRAC JOBS

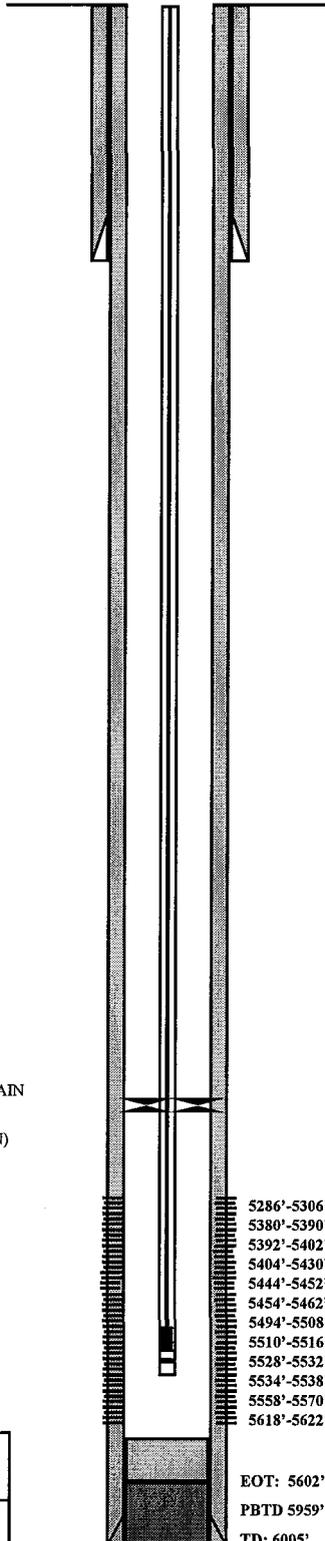
4/28/87 5370'-5380' Pump 1500 gal pad  
 Pump 1500 gal 2# /gal 20/40  
 Pump 3,000 gal 4#/gal 20/40  
 Pump 4,000 gal 5#/gal 20/40  
 Pump 5,000 gal 6#/gal 20/40  
 Pump 4,000 gal 8#/gal 20/40  
 Flush w/80 bbls.

4/29/87 4955'-4964' Pump 5000 gal pad  
 Pump 2000 gal 2# per gal 20/40  
 Pump 3000 gal 4# per gal 20/40  
 Pump 4000 gal 6# per gal 20/40  
 Pump 3000 gal 8# per gal 20/40  
 Flush w/115 bbls.

### PERFORATION RECORD

5286'-5306'	80 holes
5380'-5390'	20 holes
5392'-5402'	20 holes
5404'-5430'	52 holes
5444'-5452'	16 holes
5454'-5462'	16 holes
5510'-5516'	12 holes
5454'-5462'	8 holes
5494'-5508'	8 holes
5510'-5516'	8 holes
5528'-5532'	24 holes
5534'-5538'	8 holes
5558'-5570'	8 holes
5618'-5622'	8 holes

EOT: 5602'  
 PBTD 5959'  
 TD: 6005'



**Inland Resources Inc.**

State #14-32

**Celsius Energy Co.**

810' FSL 809' FWL

Section 32-T8S-R16E

Duchesne Co, Utah

API #43-013-31039; Lease #ML-21836

# State #23-32

Spud Date: 12/10/84  
 Put on Production: 1/29/85  
 GL: 5750' KB: 5764'

Initial Production: 16 BOPD,  
 16 MCFD, 0 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE:  
 WEIGHT: 24#  
 DEPTH LANDED: 292'  
 HOLE SIZE: 10-3/4"  
 CEMENT DATA:

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 17#  
 DEPTH LANDED: 5978'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 185 sxs lodense & 250 sxs 10% Gypseal

### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 196  
 TUBING ANCHOR: 5421' 5-1/2" 17' Mtn. States Anchor  
 SEATING NIPPLE: 2-1/4"  
 TOTAL STRING LENGTH: 5601'  
 SN LANDED AT: 5879'

### SUCKER RODS

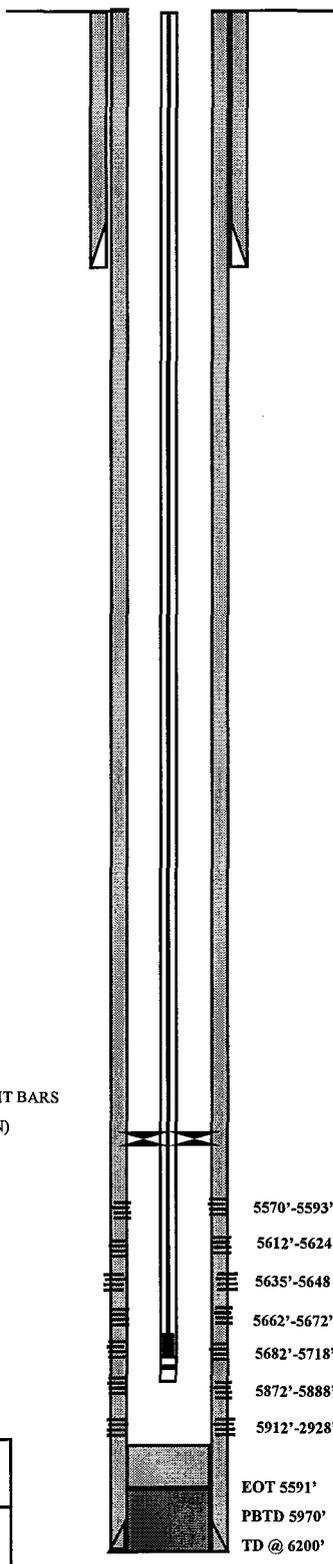
POLISHED ROD:  
 PONY RODS: 1 - 6' X 3/4" SUB, 229 3/4" PLAIN RODS, 4 WEIGHT BARS  
 PUMP SIZE: 2-1/2" X 1-1/2" X 16' AXELSON (TOP HOLD DOWN)  
 STROKE LENGTH: 1/4"  
 PUMP SPEED, SPM: 115  
 LOGS: DLL-MSFL, FDC-CNL CBL/CCL

### FRAC JOBS

3/06/87 5561'-5691' Pump 1500 gal pad  
 Pump 1200 gal pad  
 Pump 6000 gal 2# /gal 20/40  
 Pump 8,000 gal 4#/gal 20/40  
 Pump 10,000 gal 6#/gal 20/40  
 Pump 6,000 gal 8#/gal 20/40  
 Flush w/130 bbls.

4/28/87 5370'-5380' Pump 1500 gal pad  
 Pump 1500 gal 2# /gal 20/40  
 Pump 3,000 gal 4#/gal 20/40  
 Pump 4,000 gal 5#/gal 20/40  
 Pump 5,000 gal 6#/gal 20/40  
 Pump 4,000 gal 8#/gal 20/40  
 Flush w/80 bbls.

4/29/87 4955'-4964' Pump 5000 gal pad  
 Pump 2000 gal 2# per gal 20/40  
 Pump 3000 gal 4# per gal 20/40  
 Pump 4000 gal 6# per gal 20/40  
 Pump 3000 gal 8# per gal 20/40  
 Flush w/115 bbls.



### PERFORATION RECORD

1 SPF 5570'-5593'  
 32 HOLES 5612'-5624'  
 5635'-5648'  
 5662'-5672'  
 5682'-5718'  
 5872'-5888'  
 5912'-5928'



**Inland Resources Inc.**  
 State #23-32  
**Celsius Energy Co.**  
 1909' FSL 2030' FWL  
 NESW Section 32-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31041; Lease #ML-21836

# State #24-32

Spud Date: 11/28/84  
 Put on Production: 1/26/85  
 GL: 5776' KB: 5790'

Initial Production: 84 BOPD,  
 50 MCFD, 0 BWPD

## Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8" GRADE: 24#  
 WEIGHT: 24#  
 DEPTH LANDED: 292'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: To surface

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 17#  
 DEPTH LANDED: 6201'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 415 sxs Class "G"

### TUBING

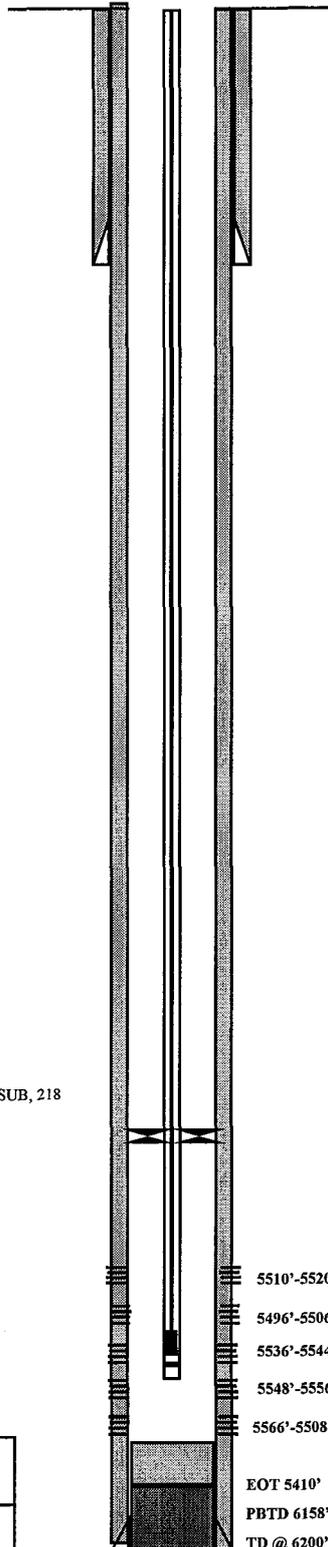
SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 167  
 TUBING ANCHOR: 5421' 5-1/2" 17' Mtn. States Anchor  
 SEATING NIPPLE:  
 TOTAL STRING LENGTH:  
 SN LANDED AT: 2604'

### SUCKER RODS

POLISHED ROD:  
 PONY RODS: 1 - 4' X 3/4" SUB, 1 - 6' X 3/4" SUB, 1 - 10' X 3/4" SUB, 218  
 3/4" PLAIN RODS, 4 WEIGHT RODS  
 PUMP SIZE: 1-3/4" X 114'  
 STROKE LENGTH:  
 PUMP SPEED, SPM:  
 LOGS: FDC, CNL, DUAL LATERLOG/MSFL, CBL/CLL

### FRAC JOBS

1/10/85 Pump 38,000 gal KCL H2O  
 TP 3800 at 60 BPM pump 6,000 gal 20/40  
 pump 10,000 20/40  
 pump 18,000 20/40 @ 1 BPM  
 pump 20,000 20/40  
 Flush w/130 bbls.



### PERFORATION RECORD

5510'-5520'	5 holes
5496'-5506'	5 holes
5536'-5544'	5 holes
5548'-5556'	5 holes
5566'-5508'	28 holes

5510'-5520'  
 5496'-5506'  
 5536'-5544'  
 5548'-5556'  
 5566'-5508'  
 EOT 5410'  
 PBTB 6158'  
 TD @ 6200'



**Inland Resources Inc.**  
 State #24-32  
**Celsius Energy Co.**  
 758' FSL 2016' FWL  
 SESW Section 32-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31040; Lease #ML-21836

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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

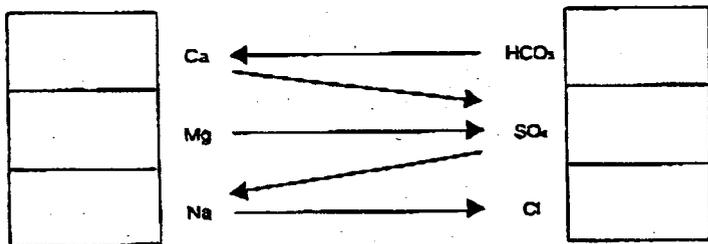
## WATER ANALYSIS REPORT

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

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

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Eqiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>2</u>			<u>146</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00	<u>1</u>			<u>84</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>2</u>			<u>142</u>
NaCl	58.46	<u>1</u>			<u>59</u>

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

REMARKS \_\_\_\_\_

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

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Fax (801) 722-5727

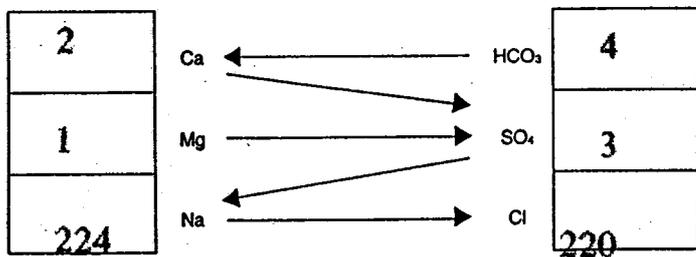
## WATER ANALYSIS REPORT

Company INLAND Address \_\_\_\_\_ Date 01-27-98  
Source WD 215G Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.4</u>		
2. H <sub>2</sub> S (Qualitative)	<u>2.5</u>		
3. Specific Gravity	<u>1.012</u>		
4. Dissolved Solids		<u>13,393</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u> ÷ 30 <u>0</u> CO <sub>3</sub>	
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>240</u> ÷ 61 <u>4</u> HCO <sub>3</sub>	
7. Hydroxyl (OH)		OH <u>0</u> ÷ 17 <u>0</u> OH	
8. Chlorides (Cl)		Cl <u>7,800</u> ÷ 35.5 <u>220</u> Cl	
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>150</u> ÷ 48 <u>3</u> SO <sub>4</sub>	
10. Calcium (Ca)		Ca <u>40</u> ÷ 20 <u>2</u> Ca	
11. Magnesium (Mg)		Mg <u>19</u> ÷ 12.2 <u>1</u> Mg	
12. Total Hardness (CaCO <sub>3</sub> )		<u>180</u>	
13. Total Iron (Fe)		<u>13</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>1</u>			<u>73</u>
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00	<u>1</u>			<u>84</u>
Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>3</u>			<u>213</u>
NaCl	58.46	<u>220</u>			<u>12,861</u>

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

REMARKS \_\_\_\_\_

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND  
 LOCATION:  
 SYSTEM:

03-04-98

WATER DESCRIPTION:	JOHNSON WATER	WD 21-5G
P-ALK AS PPM CaCO3	0	0
M-ALK AS PPM CaCO3	492	394
SULFATE AS PPM SO4	110	150
CHLORIDE AS PPM Cl	35	7800
HARDNESS AS PPM CaCO3	0	0
CALCIUM AS PPM CaCO3	110	100
MAGNESIUM AS PPM CaCO3	90	78
SODIUM AS PPM Na	92	5152
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	13393
TEMP (DEG-F)	150	150
SYSTEM pH	7	8.4

WATER COMPATIBILITY CALCULATIONS  
 JOHNSON WATER AND WD 21-5G  
 CONDITIONS: TEMP.=150 AND pH=7.7  
 WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO3 INDEX	lbs/1000 BBL EXCESS CaCO3	mg/l BaSO4 IN EXCESS OF SATURATION	mg/l SrO4 IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.03	33	0	0	0
90	.97	33	0	0	0
80	.91	32	0	0	0
70	.85	30	0	0	0
60	.79	29	0	0	0
50	.73	28	0	0	0
40	.67	27	0	0	0
30	.61	25	0	0	0
20	.55	23	0	0	0
10	.50	22	0	0	0
0	.46	20	0	0	0

**Attachment G**

**Wells Draw #21-5-G  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
6098	6111	6105	2100	0.78	2103
5596	5635	5616	2550	0.89	2545
5202	5316	5259	1800	0.78	1794 ←
4920	4976	4948	2000	0.84	1992
<b>Minimum</b>					<u>1794</u>

Calculation of Maximum Surface Injection Pressure  

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

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

# JOB SUMMARY

HALLIBURTON LOCATION

Vernal

Attachment G-1  
BILLED ON 094416 Pg 1 of 2  
TICKET NO.

## WELL DATA

FIELD S. Myton SEC. \_\_\_\_\_ TWP. \_\_\_\_\_ RANG. \_\_\_\_\_ COUNTY Duchesne STATE Utah

FORMATION NAME Green River TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD \_\_\_\_\_

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. 160 PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH 6270

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	15.5	5.5	Surf.	6270	4000
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS				6098	6101	4 Holes
PERFORATIONS				6104	6111	8 Holes
PERFORATIONS						

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8-11-83</u>	DATE <u>8-11-83</u>	DATE <u>8-11-83</u>	DATE <u>8-11-83</u>
TIME <u>0800</u>	TIME <u>1100</u>	TIME <u>1312</u>	TIME <u>1348</u>

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD <u>6" 5000 3Way</u>		
PACKER		
OTHER		

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Patton	Oper.	Vernal
Vredenburg	3314-7533	"
Rolibecki	3116	"
Sanchez	3053	"
Frazer	1601	"
White	50461-6463	"
Dall	3054	"
Parrack	7263	"
Eaton	2482-3853	"
Brewer	4375	"
Nichols	Sand.	"
Petty	Mech.	"
Dansie-Jacquier	Supr.	"

## MATERIALS

TREAT. FLUID 3% KCL DENSITY 8.4 LB/GAL. API \_\_\_\_\_

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API \_\_\_\_\_

PROP. TYPE Frac-Sand SIZE 20/40 LB. 26,000

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB. \_\_\_\_\_

XXXXXX \_\_\_\_\_ GAL. \_\_\_\_\_

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_

XXXXXX CL-11 GAL. 6

SURFACTANT TYPE TRI-S GAL. 40-1 IN 1000

XXXXXXXXXX CL-18 GAL. 75-1.5 IN 1000

FLUID LOSS ADD. TYPE WAC-11 GAL.-LB. 40# IN 1000

GELLING AGENT TYPE LGC GAL.-LB. 2200 IN 75-1000

XXXXXXXXXXXXXXXXXX AP GAL.-LB. 30-.5 IN 1000

WEAKER TYPE GBW-3 GAL.-LB. 30-.5 IN 1000

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_

OTHER NF-1 10 Gal.

OTHER FE-1A 100 Gal.

DEPARTMENT Stim.

DESCRIPTION OF JOB Versagel 1500 HT

JOB DONE THRU: TUBING  CASING  ANNULUS  TEO./ANN.

CUSTOMER REPRESENTATIVE **X** Joe Duncan

HALLIBURTON OPERATOR Robert Patton

COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF BAGS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIONS	YIELD CU.FT./SK.	MIXED LB./GAL.

## PRESSURES IN PSI

## SUMMARY

## VOLUMES

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_ PRES. PSI: BBL.-GAL. \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_ LOAD & SHUNT: BBL.-GAL. \_\_\_\_\_

AVERAGE 2200 FRACTURE GRADIENT \_\_\_\_\_ PAD: BBL.-GAL. 7000

SHUT-IN INSTANT 2100 5-MIN. 2000 15-MIN. 1800 TREATMENT: BBL.-GAL. \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_ CEMENT SLURRY: BBL.-GAL. \_\_\_\_\_

ORDERED 4000 AVAILABLE 4000 USED 1402 TOTAL VOLUME: BBL.-GAL. 31440

TRAVELING 26.0 AVERAGE RATES IN BPM \_\_\_\_\_ REMARKS \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

REASON \_\_\_\_\_

VERSAGEL 1500 HT DATE 8-11-83



# FRACTURING SERVICE TREATING REPORT

BILLED ON TICKET NO. 094417

Field So. Myton Sec. 5 Twp. 9-S0 Rng. 16-E County Duchesne State Utah

Formation Name Green River Type \_\_\_\_\_  
 Formation Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Initial Prod: Oil \_\_\_\_\_ Bpd. Water \_\_\_\_\_ Bpd. Gas \_\_\_\_\_ Mcf/d.  
 Present Prod: Oil \_\_\_\_\_ Bpd. Water \_\_\_\_\_ Bpd. Gas \_\_\_\_\_ Mcf/d.  
 Isolation Tool # \_\_\_\_\_ Mandrel Size \_\_\_\_\_ Extensions \_\_\_\_\_ In.  
 Casing Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. 150 RBP@ \_\_\_\_\_  
 Lead Or Flange 6" 5000 3 Way Pbitd \_\_\_\_\_

	NEW UEGG	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	15.5	5.5	surf	6920	4000
LINEA						
TUBING						
OPEN HOLE						INCHES/FT.
PERFORATIONS				5596	5601	6 Holes
PERFORATIONS				5610	5622	13 Holes
PERFORATIONS				5631	5635	5 Holes

### MATERIALS

Treat. Fluid 3% KCL Density 8.4 Lb./Gal. @ API  
 Displ. Fluid \_\_\_\_\_ Density \_\_\_\_\_ Lb./Gal. @ API  
 Prop. Type Frac Sand Size 20/40 Lb. 144,000  
 Prop. Type \_\_\_\_\_ Size \_\_\_\_\_ Lb.  
 Radioactive Tracer \_\_\_\_\_ Carrier \_\_\_\_\_ Units-MCI  
 Surfactant Type TRI-S Gal. 40 @ 1 /1000 Gal.  
 Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Fluid Loss Type WAC-11 Gal.-Lb. 500 @ 40 /1000 Gal.  
 Gelling Agent LGC Gal.-Lb. 2300 @ 75 /1000 Gal.  
 Gelling Agent WG-12 Gal.-Lb. 2000 Standby /1000 Gal.  
 Breaker Type GBW-3 Gal.-Lb. 40 @ .5 /1000 Gal.  
 Breaker Type AP Gal.-Lb. 40 @ .5 /1000 Gal.  
 Crosslinker CL-18 Gal.-Lb. 70 @ 1.5 /1000 Gal.  
~~Crosslinker~~ CL-11 Gal.-Lb. 6 @ \_\_\_\_\_ /1000 Gal.  
 Buffer Type \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Buffer Type \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Bactericide BE-3 Gal.-Lb. 8 @ \_\_\_\_\_ /1000 Gal.  
~~NOVATEX~~ FE1-A Gal.-Lb. 40 @ \_\_\_\_\_ /1000 Gal.  
 Clay Control \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Diverter \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Friction Reducer \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_ Size \_\_\_\_\_ 5.G.  
 Other NE-1 10 gal.

### JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8/12/83</u>	DATE _____	DATE _____	DATE <u>8/12/83</u>
TIME <u>10:00</u>	TIME <u>12:00</u>	TIME <u>03:33</u>	TIME <u>04:10</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Patton</u>	<u>Operator</u>	<u>Vernal</u>
<u>Vredenburg</u>	<u>3314-7593</u>	<u>"</u>
<u>Rolbiecki</u>	<u>3763</u>	<u>"</u>
<u>Sanchez</u>	<u>3054</u>	<u>"</u>
<u>Frazer</u>	<u>1601</u>	<u>"</u>
<u>Morton</u>	<u>3053</u>	<u>"</u>
<u>Parrack</u>	<u>50461-6463</u>	<u>"</u>
<u>Brewer</u>	<u>4375</u>	<u>"</u>
<u>Dansie-Jacqueir-Bills</u>	<u>Supvs.</u>	<u>"</u>

### ACID DATA

Acid Type \_\_\_\_\_ % \_\_\_\_\_ Gal.-Bbl. \_\_\_\_\_  
 Acid Type \_\_\_\_\_ % \_\_\_\_\_ Gal.-Bbl. \_\_\_\_\_  
 Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 NE Agent Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Clay Control Type \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Corrosion Inhibitor \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Corrosion Inhibitor \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Cracking Inhibitor \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Iron Sequester \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Friction Reducer \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

### PRESSURES IN PSI

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_  
 Average 3000 Fracture Gradient \_\_\_\_\_  
 SIP 2550 5 Min. 2360 10 Min. 2260 15 Min. 2220  
 Ordered 4000 Available 4000 Used 2868  
 Treating 39.0 Displ. \_\_\_\_\_ Overall \_\_\_\_\_

### SUMMARY

Prerflush: Bbl.-Gal. \_\_\_\_\_ Type \_\_\_\_\_  
 Load & Bkdn: Bbl.-Gal. \_\_\_\_\_ Pad: Scf-Bbl.-Gal. 9000  
 Treatment: Bbl.-Gal. \_\_\_\_\_ Displ: Bbl.-Gal. \_\_\_\_\_  
 Gas Assist \_\_\_\_\_ Tons-Scf \_\_\_\_\_ @ \_\_\_\_\_ Scf./Bbl.  
 Foam Quality \_\_\_\_\_ % Total Volume Foam \_\_\_\_\_ Bbl.-Gal.  
 Total Volume: Bbl.-Gal. 41,270 Fluid-Foam \_\_\_\_\_

### REMARKS

Halliburton Operator Robert Patton

WELL NO. 21-111 JOB TYPE VERSA GEL 1500 HT DATE 8/12/83



# FRACTURING SERVICE TREATING REPORT

FORM # 2012 N-2

BILLED ON TICKET NO. 094418

Field So. Myton Sec. 5 Twp. 9-SO. WELL DATA Ang. 16-E County Duchesne State Utah

Formation Name Green River Type \_\_\_\_\_  
 Formation Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_  
 Initial Prod: Oil \_\_\_\_\_ Bpd. Water \_\_\_\_\_ Bpd. Gas \_\_\_\_\_ Mcfd.  
 Present Prod: Oil \_\_\_\_\_ Bpd. Water \_\_\_\_\_ Bpd. Gas \_\_\_\_\_ Mcfd.  
 Isolation Tool \_\_\_\_\_ Mandrel Size \_\_\_\_\_ Extensions \_\_\_\_\_ In.  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. \_\_\_\_\_ RBP@ \_\_\_\_\_  
 Head Or Flange \_\_\_\_\_ Pbtid \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	15.5	5.5	0	5205	
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS				53/2	53/6	
PERFORATIONS				5202	5205	
PERFORATIONS						

### MATERIALS

Treat. Fluid 3% KCL Density \_\_\_\_\_ Lb./Gal. <sup>2</sup>API  
 Displ. Fluid " Density \_\_\_\_\_ Lb./Gal. <sup>2</sup>API  
 Prop. Type \_\_\_\_\_ Size \_\_\_\_\_ Lb.  
 Prop. Type \_\_\_\_\_ Size \_\_\_\_\_ Lb.  
 Radioactive Tracer \_\_\_\_\_ Carrier \_\_\_\_\_ Units-MCI  
 Surfactant Type TRI-S Gal. 1 @ 1g /1000 Gal.  
 Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Fluid Loss Type WAC-11 Gal.-Lb. @ 40# /1000 Gal.  
 Gelling Agent LGC (Gal.-Lb.) @ 75g /1000 Gal.  
 Gelling Agent \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.  
 Breaker Type GBW-3 Gal.-Lb. @ 1/2 /1000 Gal.  
 Breaker Type AP Gal.-Lb. @ 1/2 /1000 Gal.  
 Crosslinker CL-18 (Gal.-Lb.) @ 1.5g /1000 Gal.  
 Stabilizer \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.  
 Buffer Type FE-1A (Gal.-Lb.) @ 1g /1000 Gal.  
 Buffer Type \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.  
 Bactericide \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.  
 Non-Foamer NF-1 (Gal.-Lb.) @ 1g /1000 Gal.  
 Clay Control \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.  
 Diverter \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.  
 Friction Reducer \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.  
 Perfpac Balls \_\_\_\_\_ Qty. \_\_\_\_\_ Size \_\_\_\_\_ S.G.  
 Other \_\_\_\_\_

### JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>8/15/83</u>	DATE _____	DATE _____	DATE <u>8/15/83</u>
TIME <u>07:00</u>	TIME <u>09:30</u>	TIME <u>15:10</u>	TIME <u>15:46</u>

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Patton</u>	<u>Operator</u>	<u>Vernal</u>
<u>Vredenburg</u>	<u>3314-7593</u>	<u>"</u>
<u>Rolbiecki</u>	<u>3763</u>	<u>"</u>
<u>White</u>	<u>50461-6463</u>	<u>"</u>
<u>Dall</u>	<u>3053</u>	<u>"</u>
<u>Wagner</u>	<u>1601</u>	<u>"</u>
<u>Johnson</u>	<u>3054</u>	<u>"</u>
<u>Brewer</u>	<u>4375</u>	<u>"</u>
<u>Parrack</u>	<u>2482-3855</u>	<u>"</u>
<u>Eaton</u>	<u>7263</u>	<u>"</u>
<u>Pratt</u>	<u>3847-Disc</u>	<u>"</u>
<u>Stephens</u>	<u>Mech</u>	<u>"</u>
<u>Dansie-Bills</u>	<u>Supvs</u>	<u>"</u>

### ACID DATA

Acid Type HCL % 7 1/2 (Gal.-Bbl.) 500  
 Acid Type \_\_\_\_\_ % \_\_\_\_\_ Gal.-Bbl. \_\_\_\_\_  
 Surfactant Type TRI-S Gal. 1 @ 1g /1000 Gal.  
 Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 NE Agent Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Clay Control Type \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.  
 Corrosion Inhibitor HAI-75 (Gal.-Lb.) 1 @ 1g /1000 Gal.  
 Corrosion Inhibitor \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.  
 Cracking Inhibitor \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.  
 Iron Sequester FE-1A (Gal.-Lb.) 1 @ 1g /1000 Gal.  
 Friction Reducer \_\_\_\_\_ Gal.-Lb. @ \_\_\_\_\_ /1000 Gal.

### PRESSURES IN PSI

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_  
 Average \_\_\_\_\_ Fracture Gradient \_\_\_\_\_  
 SIP 1800 5 Min. 1730 10 Min. 1680 15 Min. 1650  
 HYDRAULIC HORSEPOWER  
 Ordered \_\_\_\_\_ Available \_\_\_\_\_ Used \_\_\_\_\_  
 AVERAGE RATE IN BPM  
 Treating \_\_\_\_\_ Displ. \_\_\_\_\_ Overall \_\_\_\_\_

### SUMMARY

Preflush: Bbl.-Gal. \_\_\_\_\_ Type \_\_\_\_\_  
 Load & Bkdn: Bbl.-Gal. \_\_\_\_\_ Pad: Scf-Bbl.-Gal. \_\_\_\_\_  
 Treatment: Bbl.-Gal. \_\_\_\_\_ Displ: Bbl.-Gal. \_\_\_\_\_  
 Gas Assist \_\_\_\_\_ Tons-Scf \_\_\_\_\_ @ \_\_\_\_\_ Scf./Bbl.  
 Foam Quality \_\_\_\_\_ % Total Volume Foam \_\_\_\_\_ Bbl.-Gal.  
 Total Volume: Bbl.-Gal. \_\_\_\_\_ Fluid-Foam \_\_\_\_\_

### REMARKS

Halliburton Operator Robert Patton

WELL NO. 21-56 JOB TYPE VERSAGEL DATE 8/15/83

**JOB LOG**

WELL NO. 41-70

LEASE Federal

TICKET NO. 09/4/18

pg 2 of 2

CUSTOMER Natural Gas

PAGE NO. 1

JOB TYPE Versa Gel 1500 HT

DATE 8/15/83

FORM 2013 W-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	09:30							On location
	15:00							Prime up & test
	:05							Safety meeting
	15:10	0	0			0		Start Pad
	:18	21	6060			2100		Pad @ perfs
	:19	21	7000			2200		Start 2# 20/40
	:22	25	10,000			2230		Start 4# 20/40
	:26	25.2	13,060			2000		2# 20/40 @ perfs
	:27	25.6	14,000			1980		Start 6# 20/40
	15:30	26.8	16,060			1870		4# 20/40 @ perfs
	:34	26.4	20,000			1760		Start 8# 20/40
	:34	26.4	20,060			1760		6# 20/40 @ perfs
	:40	27.7	25,570			1700		Start Flush
	:41	27.5	26,060			1680		8# 20/40 @ perfs
	:46	27.2	31,150			2100		End Treatment
						1800		ISIP
	15:51					1730		5 Min. Avg. Rate - 26 BPM
	:57					1680		10 Min. Avg. PSI - 2000
	16:01					1650		15 Min. Max. Rate - 27.7
								Max. PSI - 2510
								HHP -

Thank You,  
Robert Patton

# FRACTURING SERVICE TREATING REPORT

FORM 4012 N-3

BILLED ON TICKET NO. 094119

### WELL DATA

Field So. Myton Sec. 5 Twp. 9-S. Rng. 16-E County Duchesne State Utah  
 Formation Name Green River Type \_\_\_\_\_  
 Formation Thickness From \_\_\_\_\_ To \_\_\_\_\_  
 Initial Prod: Oil \_\_\_\_\_ Bpd. Water \_\_\_\_\_ Bpd. Gas \_\_\_\_\_ Mcfd.  
 Present Prod: Oil \_\_\_\_\_ Bpd. Water \_\_\_\_\_ Bpd. Gas \_\_\_\_\_ Mcfd.  
 Isolation Tool # \_\_\_\_\_ Mandrel Size \_\_\_\_\_ Extensions \_\_\_\_\_ In.  
 Packer Type \_\_\_\_\_ Set At \_\_\_\_\_  
 Bottom Hole Temp. 150 RBP@ \_\_\_\_\_  
 Head Or Flange 6" 5000 3 Way Pbit \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	15.5	5.5	Surf.	6920	4500
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS				4974	4976	3 Holes
PERFORATIONS				4933	4938	6 "
PERFORATIONS				4920	4925	6 "

### MATERIALS

Treat. Fluid 3% KCL Density 8.4 Lb./Gal. @ API  
 Displ. Fluid \_\_\_\_\_ Density \_\_\_\_\_ Lb./Gal. @ API  
 Prop. Type Frac Sand Size 20/40 Lb. 180,000  
 Prop. Type \_\_\_\_\_ Size \_\_\_\_\_ Lb. \_\_\_\_\_  
 Radioactive Tracer \_\_\_\_\_ Carrier \_\_\_\_\_ Units-MCI \_\_\_\_\_  
 Surfactant Type TRI-S Gal. 60 @ 1 /1000 Gal.  
 Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Fluid Loss Type WAC-11 Gal.-Lb. 500 @ 40 /1000 Gal.  
 Gelling Agent WG-12 Gal.-Lb. 1000 Standby /1000 Gal.  
 Gelling Agent LGC Gal.-Lb. 4000 @ 25 /1000 Gal.  
 Breaker Type GDW-3 Gal.-Lb. 30 @ .5 /1000 Gal.  
 Breaker Type AP Gal.-Lb. 30 @ .5 /1000 Gal.  
 Crosslinker CL-18 Gal.-Lb. 70 @ 1.5 /1000 Gal.  
 Stabilizer CL-11 Gal.-Lb. 9 @ \_\_\_\_\_ /1000 Gal.  
 Buffer Type \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Buffer Type \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Bactericide BE-3 Gal.-Lb. 8 @ \_\_\_\_\_ /1000 Gal.  
 Non-Foamer \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Clay Control \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Diverter \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Friction Reducer \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Perfpac Balls Qty. \_\_\_\_\_ Size \_\_\_\_\_ S.G. \_\_\_\_\_  
 Other NF-1 - 10 gal.  
FE-1A - 100 gal.

### JOB DATA

CALLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
8/16/83			8/16/83
TIME 07:00	TIME 09:00	TIME 05:30	TIME 06:00

### PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
Patton	Operator	Vernal
Vredenburg	3314-7593	"
Morton	1601	"
Rolbiecki	3763	"
White	50461-6463	"
Johnson	3053	"
Guinn	3054	"
Mansfield	4909-7549	Evanston
Brewer	4375	Vernal
Pratt	7263	"
Stevens	Mech	"
Hiner-Dansie-Jacquier	Supvs.	"

### ACID DATA

Acid Type \_\_\_\_\_ % \_\_\_\_\_ Gal.-Bbl. \_\_\_\_\_  
 Acid Type \_\_\_\_\_ % \_\_\_\_\_ Gal.-Bbl. \_\_\_\_\_  
 Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Surfactant Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 NE Agent Type \_\_\_\_\_ Gal. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Clay Control Type \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Corrosion Inhibitor \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Corrosion Inhibitor \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Cracking Inhibitor \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Iron Sequester \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.  
 Friction Reducer \_\_\_\_\_ Gal.-Lb. \_\_\_\_\_ @ \_\_\_\_\_ /1000 Gal.

### PRESSURES IN PSI

Circulating \_\_\_\_\_ Displacement \_\_\_\_\_  
 Breakdown \_\_\_\_\_ Maximum \_\_\_\_\_  
 Average 2500 Fracture Gradient \_\_\_\_\_  
 SIP 2000 5 Min. 1940 10 Min. 1900 15 Min. 1870  
 Ordered 5000 Available 5000 Used 3371  
 Treating 55 Displ. \_\_\_\_\_ Overall \_\_\_\_\_

### SUMMARY

Preflush: Bbl.-Gal. \_\_\_\_\_ Type \_\_\_\_\_  
 Load & Bkdn: Bbl.-Gal. \_\_\_\_\_ Pad: Scf-Bbl.-Gal. 12,000  
 Treatment: Bbl.-Gal. \_\_\_\_\_ Displ: Bbl.-Gal. \_\_\_\_\_  
 Gas Assist \_\_\_\_\_ Tons-Scf \_\_\_\_\_ @ \_\_\_\_\_ Scf./Bbl. \_\_\_\_\_  
 Foam Quality \_\_\_\_\_ % Total Volume Foam \_\_\_\_\_ Bbl.-Gal. \_\_\_\_\_  
 Total Volume: Bbl.-Gal. 50,290 (Fluid Foam)

### REMARKS

Halliburton Operator Robert Patton

Received Time Mar. 27. 9:05AM

WELL NO. 43-15  
JOB TYPE  
VERSAGEL 1500 HT  
DATE 8/16/83

**JOB LOG**

LEASE # 094419

TICKET NO. 094419 pg 2 of 2

CUSTOMER Natural Gas

PAGE NO. 1

JOB TYPE Versa Gel 1500 HT

DATE 8/16/85

FORM 1013 R-2

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								On location
								Prime up & test
								Safety meeting
	05:30	27.0	0				2180	Start Pad
	:34	40.7	5660				2450	Pad @ perms
	:38	42.7	12,000				2590	Start 2# 20/40
	05:41	44.7	17,660				2530	2# 20/40 @ perms
	:42	48.7	18,000				2670	Start 4# 20/40
	:45	50.0	23,660				2500	4# 20/40 @ perms
	:46	52.3	25,000				2540	Start 6# 20/40
	:49	54.8	30,660				2500	6# 20/40 @ perms
	05:52	52.1	35,000				2440	Start 8# 20/40
	:56	57.0	40,660				2600	8# 20/40 @ perms
	:58	53.0	45,000				2440	Start Flush
	06:00	53.0	50,290					End Treatment
	06:00						2000	ISIP
	:05						1940	5 Min. Avg. Rate - 55.0
	:10						1900	10 Min. Avg. PSI - 2500
	:15						1870	15 Min. Max. Rate - 57.2
								Max. PSI - 2670
								HP - 3371
								Thank You,
								Robert Patton

**ATTACHMENT H**

**WORK PROCEDURE FOR PLUGGING AND ABANDONMENT**

1. **Plug #1** Set 346' plug from 5998'-6344' with 60 sxs Class "G" cement.
2. **Plug #2** Set 189' plug from 5496'-5685' with 30 sxs Class "G" cement.
3. **Plug #3** Set 558' plug from 4808'-5366' with 75 sxs Class "G" cement.
4. **Plug #4** Set 200' plug from 2200'-2000' with 30 sxs Class "G" cement.
5. **Plug #5** Set 100' plug from 261'-361' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
6. **Plug #6** Set 50' plug from surface with 10 sxs Class "G" cement.
7. Pump 10 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 311' to surface.

The approximate cost to plug and abandon this well is \$18,000.

# Federal #21-5G

Spud Date: 3/28/83  
 Put on Production: 8/29/83  
 GL: 5797' KB: ?

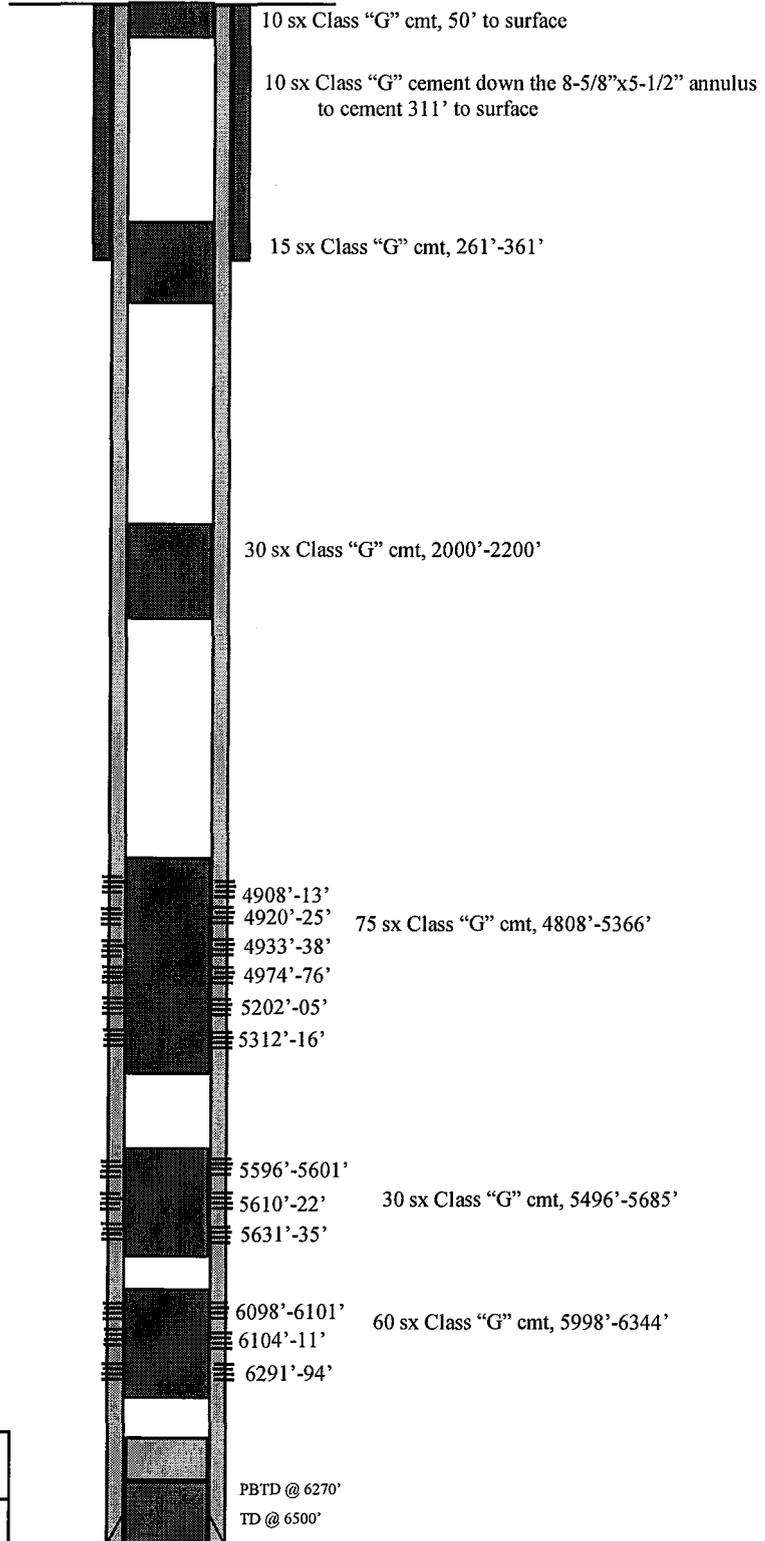
SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: K-55  
 WEIGHT: 32#  
 LENGTH: ? JTS  
 DEPTH LANDED: 311'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 215 skx Class "G" cmt, est ? bbls to surface

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: ? jts  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 338 sks BS Lite & 863 sks 50/50 Poz  
 CEMENT TOP AT:  
 SET AT: 6500'

Proposed P&A  
 Wellbore Diagram



**Inland Resources Inc.**

**Federal #21-5-G**

637 FNL 2005 FWL

NENW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-33698; Lease #U-30096



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

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

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

June 11, 1998

Inland Production Company  
475 Seventeenth Street, Suite 1500  
Denver, Colorado 80202

Re: Wells Draw Unit Well: Wells Draw Federal #21-5-G, Section 5, Township 9 South,  
Range 16 East, Duchesne County, Utah

Gentlemen:

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

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

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

Sincerely,

John R. Baza  
Associate Director, Oil and Gas

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

**U-30096**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**WELLS DRAW**

8. Well Name and No.

**NGC FED 21-5G**

9. API Well No.

**43-013-30698**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
--	-----------------------------------	--------------------------------

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

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

**0673 FNL 2005 FWL NE/NW Section 5, T09S R16E**

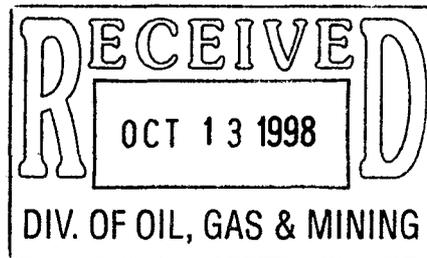
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

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



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

Signed

*Shirley E. Kruglit*

Title

**Manager, Regulatory Compliance**

Date

**10/7/98**

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

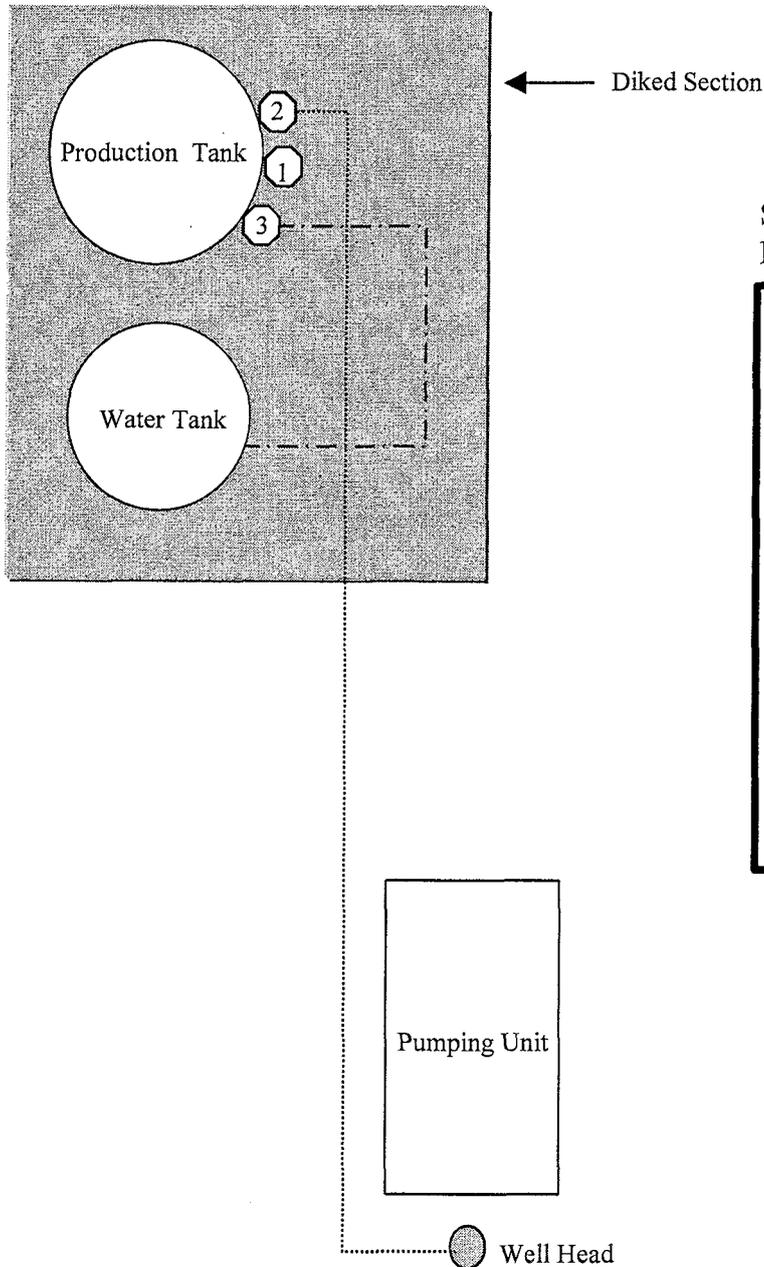
# Inland Production Company Site Facility Diagram

Wells Draw 21-5G

NE/NW Sec. 5, T9S, 16E

Duchesne County

Sept. 17, 1998



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

### Production Phase:

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

### Sales Phase:

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

### Draining Phase:

- 1) Valve 3 open

### Legend

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



PRODUCTION COMPANY  
A Subsidiary of Inland Resources Inc.

January 20, 2000

RECEIVED

JAN 21 2000

DIVISION OF  
OIL, GAS AND MINING

Mr. Brad Hill  
State of Utah, DOGM  
1594 West North Temple, Suite 1310  
P.O. Box 145801  
SLC, Utah 84114-5801

Re: WD 21-5G-9-16  
Injection Conversion

Dear Brad:

Inland converted the subject well from a producing to an injection well on January 20, 2000. A mechanical integrity test (MIT) was conducted and witnessed by Mr. Dennis Ingram on January 20, 2000. The casing was pressure to 1310 psi and held for one half hour with no pressure loss.

Find enclosed an MIT sundry, tabular data sheet, and a chart recording of the test. Inland is requesting permission to commence injection on the subject well. Please contact me at the number listed below if you have any questions.

Sincerely,

Rod Bird  
Production Foreman

Enclosures

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-30096</b>	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		7. UNIT AGREEMENT NAME <b>WELLS DRAW</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		8. FARM OR LEASE NAME <b>NGC FED 21-5G</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/NW 0673 FNL 2005 FWL</b>		9. WELL NO. <b>NGC FED 21-5G</b>	
<b>14 API NUMBER</b> <b>43-013-30698</b>		<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5797 GR</b>	
		<b>12 COUNTY OR PARISH</b> <b>DUCHESNE</b>	<b>13 STATE</b> <b>UT</b>
<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Perform MIT.</u>	<input type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

The subject well was converted from a production to an injection well. Mr. Dennis Ingram of the State DOGM was notified of the intent to perform an MIT on January 19, 2000. On January 20, 2000, the casing annulus was pressured to 1310 psi and maintained for one half hour with no pressure loss. Dennis Ingram witnessed and approved the test.

Inland is requesting permission to commence injection.

18 I hereby certify that the foregoing is true and correct

SIGNED	<u>Rod Bird</u>	TITLE	<u>Production Foreman</u>	DATE	<u>1/20/00</u>
	Rod Bird				

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

RECEIVED  
 JAN 21 2003  
 DIVISION OF OIL, GAS AND MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

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

Witness: Dennis L. Ingram Date 1/20/00 Time 11:00 am pm  
Test Conducted by: Roddie Bird  
Others Present: \_\_\_\_\_

Well: wells draw 21-SG-9-16 Field: MONUMENT BUTTE  
Well Location: NE/NW SEC. 5, T9S, R16E API No: 43-013-30698  
Duchesne Co. Utah.

Time	Casing Pressure	
0 min	<u>1310</u>	psig
5	<u>1310</u>	psig
10	<u>1310</u>	psig
15	<u>1310</u>	psig
20	<u>1310</u>	psig
25	<u>1310</u>	psig
30 min	<u>1310</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 20 psig

**RECEIVED**  
JAN 21 2000  
DIVISION OF  
OIL, GAS AND MINING

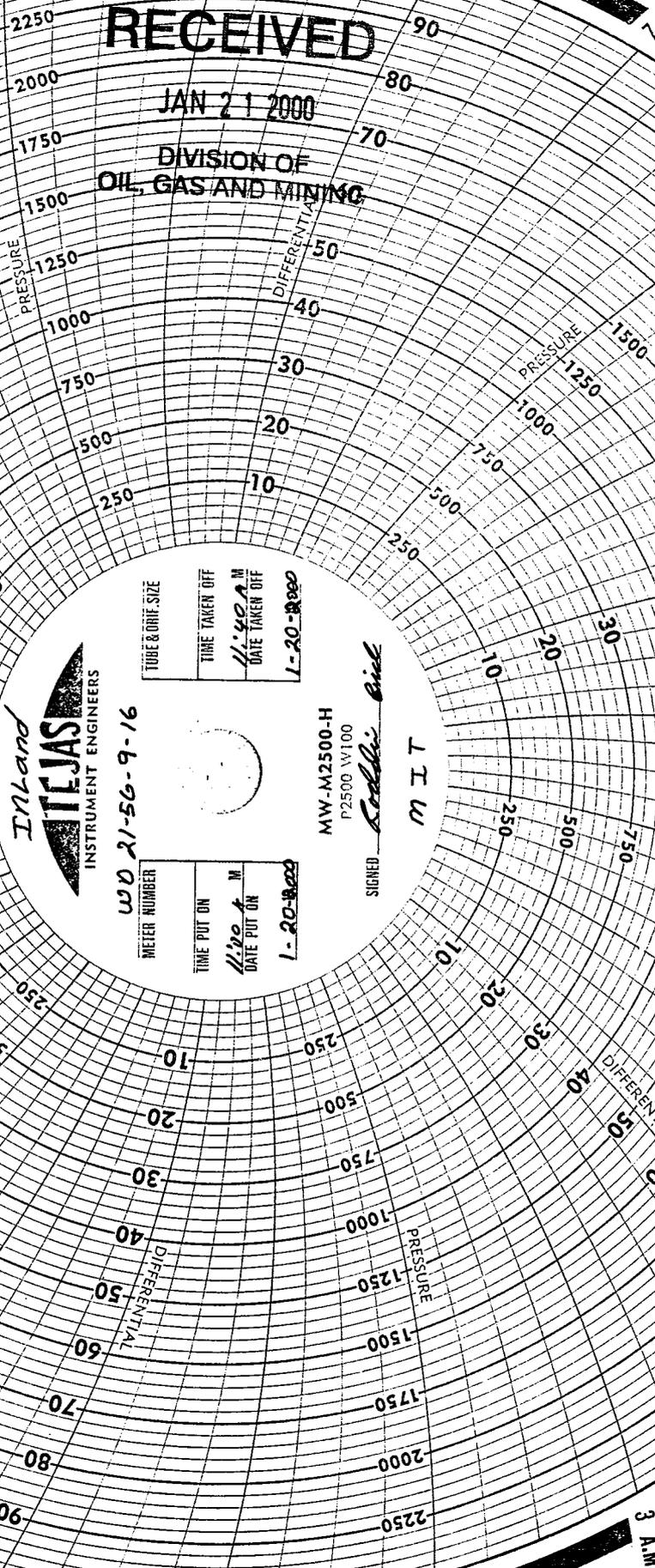
Result: Pass Fail

Signature of Witness: Dennis L. Ingram  
Signature of Person Conducting Test: Roddie Bird

RECEIVED

JAN 21 2000

DIVISION OF  
OIL, GAS AND MINING



Inland  
**TEJAS**  
INSTRUMENT ENGINEERS

WD 21-56-9-16

TOBE & ORIF. SIZE  
TIME TAKEN OFF  
11:40 AM  
DATE TAKEN OFF  
1-20-2000

METER NUMBER  
TIME PUT ON  
11:20 AM  
DATE PUT ON  
1-20-2000

MW-M2500-H  
P2500 W100

SIGNED  
*Reddie Bird*  
M I T

Time labels around the perimeter of the chart:

- 11 A.M.
- NOON
- 1 P.M.
- 2 P.M.
- 3 P.M.
- 4 P.M.
- 5 A.M.
- 6 P.M.
- 7 A.M.
- 8 A.M.
- 9 A.M.
- 10 A.M.
- 11 A.M.

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>3. LEASE DESIGNATION AND SERIAL NO.</b> U-30096	
(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.)		<b>4. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  N/A	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		<b>7. UNIT AGREEMENT NAME</b>  WELLS DRAW	
<b>2. NAME OF OPERATOR</b> INLAND PRODUCTION COMPANY		<b>8. FARM OR LEASE NAME</b> NGC FED 21-6C	
<b>3. ADDRESS OF OPERATOR</b> Route 3, Box 3630, Myton Utah 84052 (435-646-3721)		<b>9. WELL NO.</b> NGC FED 21-6C	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE/NW 0673 FNL 2005 FWL		<b>10. FIELD AND POOL, OR WILDCAT</b>  MONUMENT BUTTE	
		<b>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA</b> NE/NW Section 5, T09S R16E	
<b>14. API NUMBER</b> 43-013-30698	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) 5797 GR	<b>12. COUNTY OR PARISH</b> DUCHESNE	<b>13. STATE</b> 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"/>	WATER SHUT-OFF <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>
ABANDON* <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	(OTHER) <u>Injection Conversion</u> <input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	

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

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

The subject well was converted from a production to an injection well on 1/20/00. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4809'.

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

SIGNED: [Signature] TITLE: District Engineer DATE: 2/2/00

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

\* See Instructions On Reverse Side

WTC  
5-2-00



## SUMMARY WORKOVER REPORT

**WD FED 21-5-G**

NE/NW Section 5 - T9S - R16E

Duchesne Co., UT

API # 43-013-0698

Spud Dat 3/28/83

TD 6500'

Completion or Workover Rig LEED #697

Injection Conversion

**Report Date 1/18/00 Day 1**

**Date Work Performed 1/17/00**

MIRU LEED #697. Pumped 100 BW down csg @ 250 deg. RD pump unit & RU rod equipment. Unseat pump & flush rods w/45 BW. Reseat pump & pressure test tbg to 3500 psi w/6 BW. POOH w/1 - 1-1/4" x 22' polish rod, 3 - 7/8" pony rods, 90 - 7/8" guided rods, 144 - 3/4" plain rods, 9 - 1-1/2" wt rods & RHAC pump. SWIFN. EWL 151 bbls.

**Daily Cost \$1,500 Cumulative Cost \$1,500**

**Report Date 1/19/00 Day 2**

Injection Conversion

**Date Work Performed 1/18/00**

Blow down well. RD rod equipment and RU tbg equipment. ND wellhead & release TA. NU BOP & POOH w/151 jts tbg, 5-1/2" TA, 40 jts tbg, SN, 1 jt tbg, NC. TIH w/5-1/2" scraper and bit, 192 jts tbg. POOH w/64 jts tbg breaking, cleaning, inspecting and applying "Liquid-O-Ring" to all pin ends. SWIFN. 151 BLWTR.

**Daily Cost \$2,200 Cumulative Cost \$3,700**

**Report Date 1/20/00 Day 3**

Injection Conversion

**Date Work Performed 1/19/00**

Blow well down. Continue to POOH w/86 jts tbg braking and applying "Liquid-O-Ring" to all pin ends. LD 42 jts tbg and TIH w/5-1/2" Arrow set 0 pkr, SN, 150 jts tbg tightening each connection. ND BOP & pump 80 BW w/pkr fluid and biocide. Set pkr @ 4809' in 16,000# tension. NU wellhead & fill csg w/35 BW w/pkr fluid. Test to 1100 psi w/no leak off. SDFN. EWL 266 bbls.

**Daily Cost \$9,100 Cumulative Cost \$12,800**

**Report Date 1/21/00 Day 4**

Injection Conversion

**Date Work Performed 1/20/00**

On 1/19/2000 Dennis Ingram with the DOGM was contacted and a time was set up to do the MIT. On 1/20/00 the casing was pressured up to 1310 psi and charted for one-half hour with no bleed off and with Dennis Ingram as a witness. Bled pressure off and submitted chart.

Check pressure on csg, 1310 psi. RD tbg equipment & RU rod equipment. RDMO SU.

**Daily Cost \$400 Cumulative Cost \$13,200**

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-30096</b>	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		7. UNIT AGREEMENT NAME  <b>WELLS DRAW</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		8. FARM OR LEASE NAME <b>NGC FED 21-5G</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  <b>NE/NW                      0673 FNL 2005 FWL</b>		9. WELL NO. <b>NGC FED 21-5G</b>	
<b>14 API NUMBER</b> <b>43-013-30698</b>		10. FIELD AND POOL, OR WILDCAT  <b>MONUMENT BUTTE</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.)  <b>5797 GR</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/NW Section 5, T09S R16E</b>	
<b>12 COUNTY OR PARISH</b> <b>DUCHESNE</b>		13. STATE <b>UT</b>	

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

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

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(OTHER) <input type="checkbox"/>	(OTHER) <u>First report of Injection</u> <input checked="" type="checkbox"/>

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

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

The subject well was placed on water injection on 1/26/00.

RECEIVED

FEB 03 2000

DIVISION OF  
OIL, GAS AND MINING

18 I hereby certify that the foregoing is true and correct

SIGNED: [Signature] TITLE: District Engineer DATE: 2/2/00

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side

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

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>U-30096</b>	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		7. UNIT AGREEMENT NAME  <b>WELLS DRAW</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		8. FARM OR LEASE NAME <b>NGC FED 21-5G</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  <b>NE/NW                      0673 FNL 2005 FWL</b>		9. WELL NO. <b>NGC FED 21-5G</b>	
<b>14 API NUMBER</b> <b>43-013-30698</b>		<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.)  <b>5797 GR</b>	
<b>12 COUNTY OR PARISH</b> <b>DUCHESNE</b>		<b>13 STATE</b> <b>UT</b>	
<b>10. FIELD AND POOL, OR WILDCAT</b>  <b>MONUMENT BUTTE</b>		<b>11 SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> <b>NE/NW Section 5, T09S R16E</b>	

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

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

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

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

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

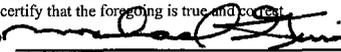
The subject well was converted from a production to an injection well on 1/20/00 . The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4809'.

RECEIVED

FEB 03 2000

DIVISION OF  
OIL, GAS AND MINING

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

SIGNED  TITLE District Engineer DATE 2/2/00

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

**INJECTION WELL - PRESSURE TEST**

Well Name: Wells Prod # 21-5G API Number: 43-013-30698  
 Qtr/Qtr: NE/NW Section: 5 Township: 9S Range: 16E  
 Company Name: Inland Production Company  
 Lease: State \_\_\_\_\_ Fee \_\_\_\_\_ Federal  Indian \_\_\_\_\_  
 Inspector: Renno L Ingram Date: 01-20-2000

Initial Conditions:

Tubing - Rate: \_\_\_\_\_ Pressure: 20 psi  
 Casing/Tubing Annulus - Pressure: 1310 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1310</u>	<u>20</u>
5	<u>1310</u>	<u>20</u>
10	<u>1310</u>	<u>20</u>
15	<u>1310</u>	<u>20</u>
20	<u>1310</u>	<u>20</u>
25	<u>1310</u>	<u>20</u>
30	<u>1310</u>	<u>20</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 20 psi  
 Casing/Tubing Annulus Pressure: 1310 psi

COMMENTS: Also Used Chart Well Passed MIT  
TEST - OK Test 11:00 Am T.L 11:30 Am

**RECEIVED**

FEB 03 2000

DIVISION OF  
OIL, GAS AND MINING

Reddie Bird  
 Operator Representative

INJECTION WELL - PRESSURE TEST

Well Name: <u>WDF 21-56-9-16</u>	API Number: <u>43-013-30698</u>
Qtr/Qtr: <u>NE/NW</u> Section: <u>S</u>	Township: <u>9S</u> Range: <u>16E</u>
Company Name: <u>NEW FIELD</u>	
Lease: State <u>Utah</u> Fee _____	Federal <u>U-30096</u> Indian _____
Inspector: <u>[Signature]</u>	Date: <u>12-29-04</u>

Initial Conditions:

Tubing - Rate: 0 Pressure: 1730 psi  
 Casing/Tubing Annulus - Pressure: 1235 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1235</u>	<u>1730</u>
5	<u>1235</u>	<u>1730</u>
10	<u>1235</u>	<u>1730</u>
15	<u>1235</u>	<u>1730</u>
20	<u>1235</u>	<u>1730</u>
25	<u>1235</u>	<u>1730</u>
30	<u>1240</u>	<u>1730</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1730 psi  
 Casing/Tubing Annulus Pressure: 1240 psi

COMMENTS: Sysa Test - Record on Chart 11:00 AM  
Sfr.

[Signature]  
 Operator Representative

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

---ooOoo---

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

---ooOoo---

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

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

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

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

Dated this 10th day of March 1998.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
John R. Baza  
Associate Director

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

Publication Notices were sent to the following:

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

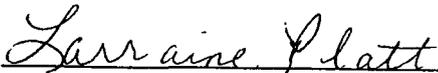
Inland Production Company  
P.O. Box 1446  
Roosevelt, Utah 84066

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

Uintah Basin Standard  
268 South 200 East  
Roosevelt, Utah 84066

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

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

  
\_\_\_\_\_  
Lorraine Platt  
Secretary  
March 10, 1998

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Well:** Wells Draw Federal #21-5-G

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

**API:** 43-013-30698

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

**Well Integrity:** The proposed well has surface casing set at 311 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 6500 feet and has a cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4858 feet. A mechanical integrity test will be run on the well prior to injection. There are 7 producing wells and 1 water injection well in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 800 feet. Injection shall be limited to the interval between 4908 feet and 6294 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the #21-5-G well is .78 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1794 psig. The requested maximum pressure is 1794 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Wells Draw #21-5-G**  
**page 2**

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

**Bonding:** Bonded with the BLM

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

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

Reviewer(s): Brad Hill Date: 6/9/98



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

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

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

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-206

**Operator:** Inland Production Company  
**Well:** NGC Federal 21-5G  
**Location:** Section 5 , Township 9 South, Range 16 East, Duchesne County  
**API No.:** 43-013-30698  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on June 11, 1998.
2. Maximum Allowable Injection Pressure: 1794 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4908 feet - 6294 feet)

---

Approved by: John R. Baza  
John R. Baza  
Associate Director, Oil And Gas

1/25/2010  
Date

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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 1<sup>st</sup> 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
QC, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company  
 Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
 Phone: (303) 893-0102  
 Comments:

Name: Brian Harris  
 Signature: *Brian Harris*  
 Title: Engineering Tech.  
 Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company  
 Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
 Phone: \_\_\_\_\_  
 Comments:

Name: Brian Harris  
 Signature: *Brian Harris*  
 Title: Engineering Tech.  
 Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Stewart*  
 Title: *Perk. Services Manager*

Approval Date: 9-20-04

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

RECEIVED  
SEP 20 2004

DIV. OF OIL, GAS & MINING

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

LEASE DESIGNATION AND SERIAL NUMBER:  
UTU30096

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Injection well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: Newfield Production Company		7. UNIT or CA AGREEMENT NAME: WELLS DRAW UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: NGC FED 21-5G
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 0673 FNL 2005 FWL		9. API NUMBER: 4301330698
OTR/QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/NW, 5, T9S, R16E		10. 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		
	TYPE OF ACTION	TYPE OF ACTION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: <u>12/30/2004</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input 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.

A 5 Year MIT was conducted on the subject well. On 12/28/04 Mr. Dennis Ingram was notified of the intent to conduct a MIT on the casing. On 12/29/04 the casing was pressured to 1235 psi w/ no pressure loss charted in the 1/2 hour test. Mr. Dennis Ingram was there to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**  
Date: 01-04-05  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 1-4-05  
Initials: CHD

NAME (PLEASE PRINT) <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>
SIGNATURE <u>Krishna Russell</u>	DATE <u>December 30, 2004</u>

(This space for State use only)

**RECEIVED**  
**JAN 04 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: DENNIS INGRAM Date 12/29/04 Time 9:00 am pm

Test Conducted by: BRET HENRIE

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

Well: WELLS DRAW FED. 21-5G-9-10

Field: WELLS DRAW UNIT

Well Location: NE1NW Sec. 5, T9S, R16E

API No: 43-013-30698

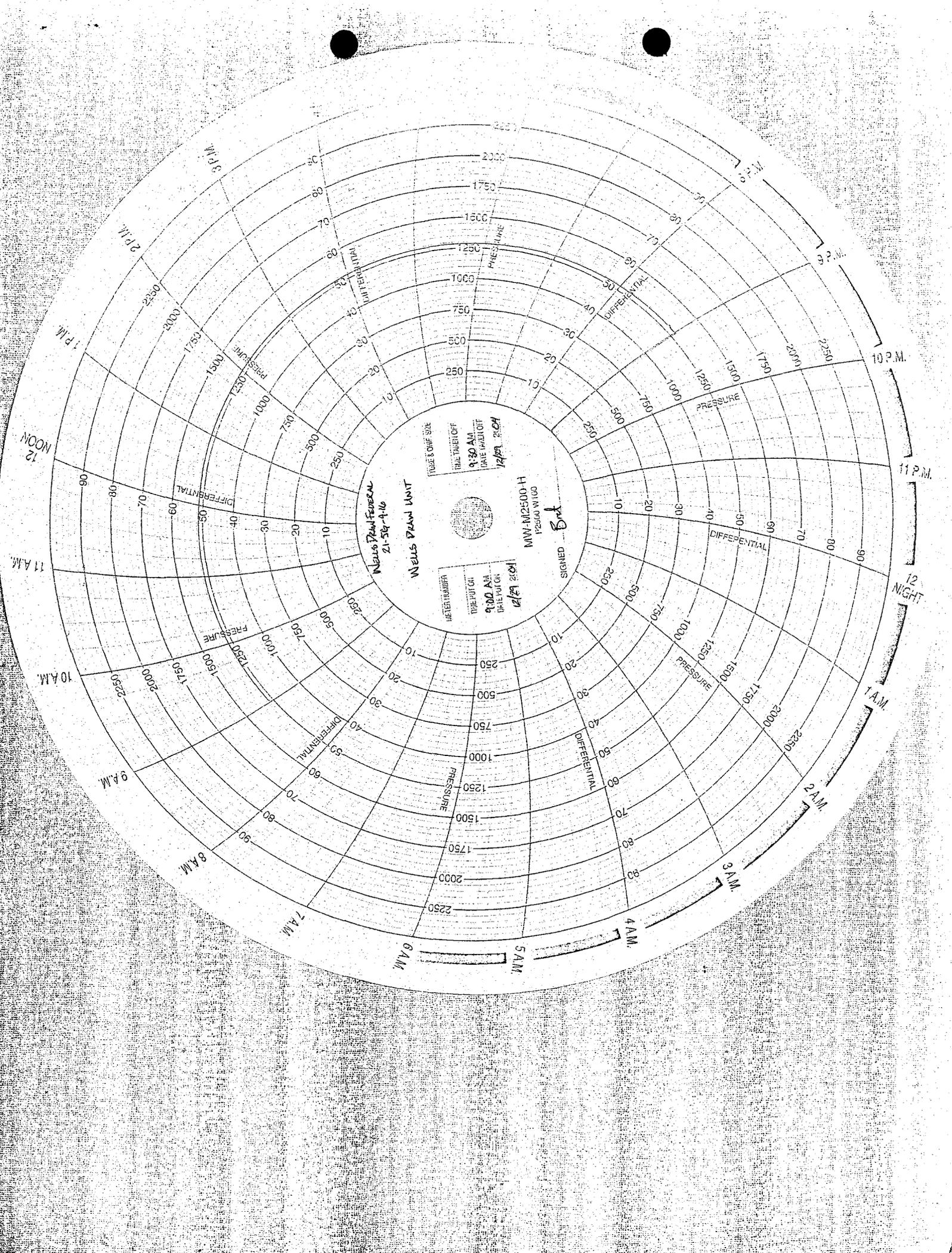
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1235</u>	psig
5	<u>1235</u>	psig
10	<u>1235</u>	psig
15	<u>1235</u>	psig
20	<u>1235</u>	psig
25	<u>1235</u>	psig
30 min	<u>1240</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1730 psig

Result: Pass Fail

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

Signature of Person Conducting Test: \_\_\_\_\_



**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

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

**CA No.**

**Unit:**

**Wells Draw (Green River)**

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

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

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

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

**DATA ENTRY:**

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

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER: U-30096
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: WELLS DRAW UNIT
8. WELL NAME and NUMBER: NGC 21-5G-9-16
9. API NUMBER: 4301330698
10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	PHONE NUMBER 435.646.3721
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 673 FNL 2005 FWL	
OTR/OTR SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 5, T9S, R16E	

COUNTY: DUCHESNE  
STATE: UT

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

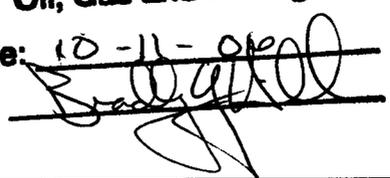
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will   <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  <u>09/07/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

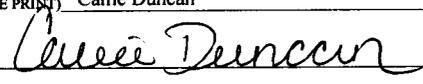
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was recompleted in the Green River Formation. Four new intervals were perforated. The PB8 sds 4576'-4586' with 4 JSPF, 40 shots, LODC sds 5416'-5422 with 4 JSPF, LODC sds 5520'-5526 with 4 JSPF, CP2 sds 5874'-5884' with 4 JSPF. For a total of 104 shots. Nine existing intervals were re-perforated. The D1 sds 4904'-4914', 4918'-4928', 4932'-4941', B2 sds 5199'-5207', A.5 sds 5310'-5324', LODC sds 5596'-5603', 5610'-5626', 5631'-5635', Blk Sh sds 6097'-6118'. For a total of 469 shots.

On 9/17/06 Dennis Ingram with the State of Utah was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 9/25/06. On 9/25/06 the csg was pressured up to 1045 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 615 psig during the test. There was a State representative available to witness the test. API# 43-013-30698

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

Date: 10-11-06  
By: 

NAME (PLEASE PRINT) <u>Callie Duncan</u>	TITLE <u>Production Clerk</u>
SIGNATURE 	DATE <u>10/06/2006</u>

(This space for State use only)

RECEIVED  
OCT 10 2006

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 9/25/06 Time 10:00 (am/pm)

Test Conducted by: Chris Wilkerson

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

Well: <u>Wells Draw Federal 21-56-9-16</u>	Field: <u>Mon Butte / Wells Draw Unit</u>
Well Location: <u>NE/NW Sec 5, T9S R16E</u> <u>Duchesne County, UTAH</u>	API No: <u>43-013-30698</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1045</u>	psig
5	<u>1045</u>	psig
10	<u>1045</u>	psig
15	<u>1045</u>	psig
20	<u>1045</u>	psig
25	<u>1045</u>	psig
30 min	<u>1045</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 615 psig

Result: Pass Fail

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

Signature of Person Conducting Test: Chris Wilkerson

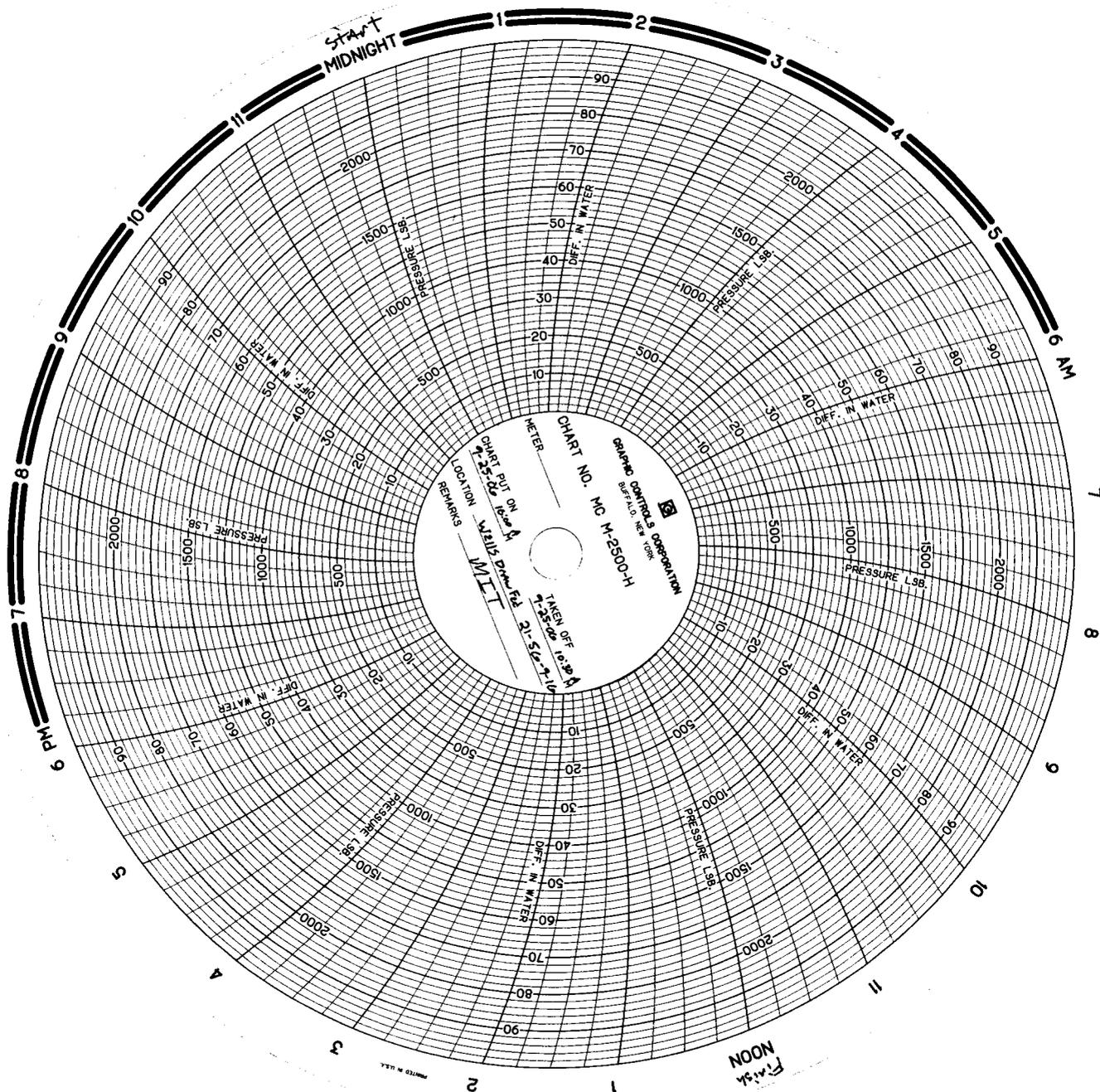


CHART NO. MC H-2500-H  
 CHART PUT ON BY  
 METER  
 LOCATION  
 REMARKS  
 TANK CONTROL CORPORATION  
 NEW YORK, N.Y.  
 THEN OFF 10:30 AM  
 2-1-54  
 21-54

START  
MIDNIGHT

NOON

1 2 3 4 5 6 AM 7 8 9 10 11 12

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:  
WELLS DRAW UNIT

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER WI

8. WELL NAME and NUMBER:  
NGC FED 21-5G

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4301330698

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: 673 FNL 2005 FWL

COUNTY: DUCHESNE

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

STATE: UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  <u>10/23/2009</u>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On 10/22/2009 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 10/23/2009. On 10/23/2009 the casing was pressured up to 1550 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1660 psig during the test. There was not a State representative available to witness the test.

API# 43-013-30698

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

Date: 12-03-09  
By: [Signature]

**COPY SENT TO OPERATOR**

Date: 12.10.2009

Initials: KS

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE [Signature]

DATE 12/02/2009

(This space for State use only)

**RECEIVED**

**DEC 03 2009**

**DIV. OF OIL, GAS & MINING**

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 10/23/09 Time 9:55 am/pm

Test Conducted by: David Richens

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

Well: <u>Wells Draw Federal</u> <u>21-5g-9-16</u>	Field: <u>Monument Butte</u>
Well Location: <u>NE/NW Sec. 5 T9S, R16E</u>	API No: <u>43-013-30698</u>

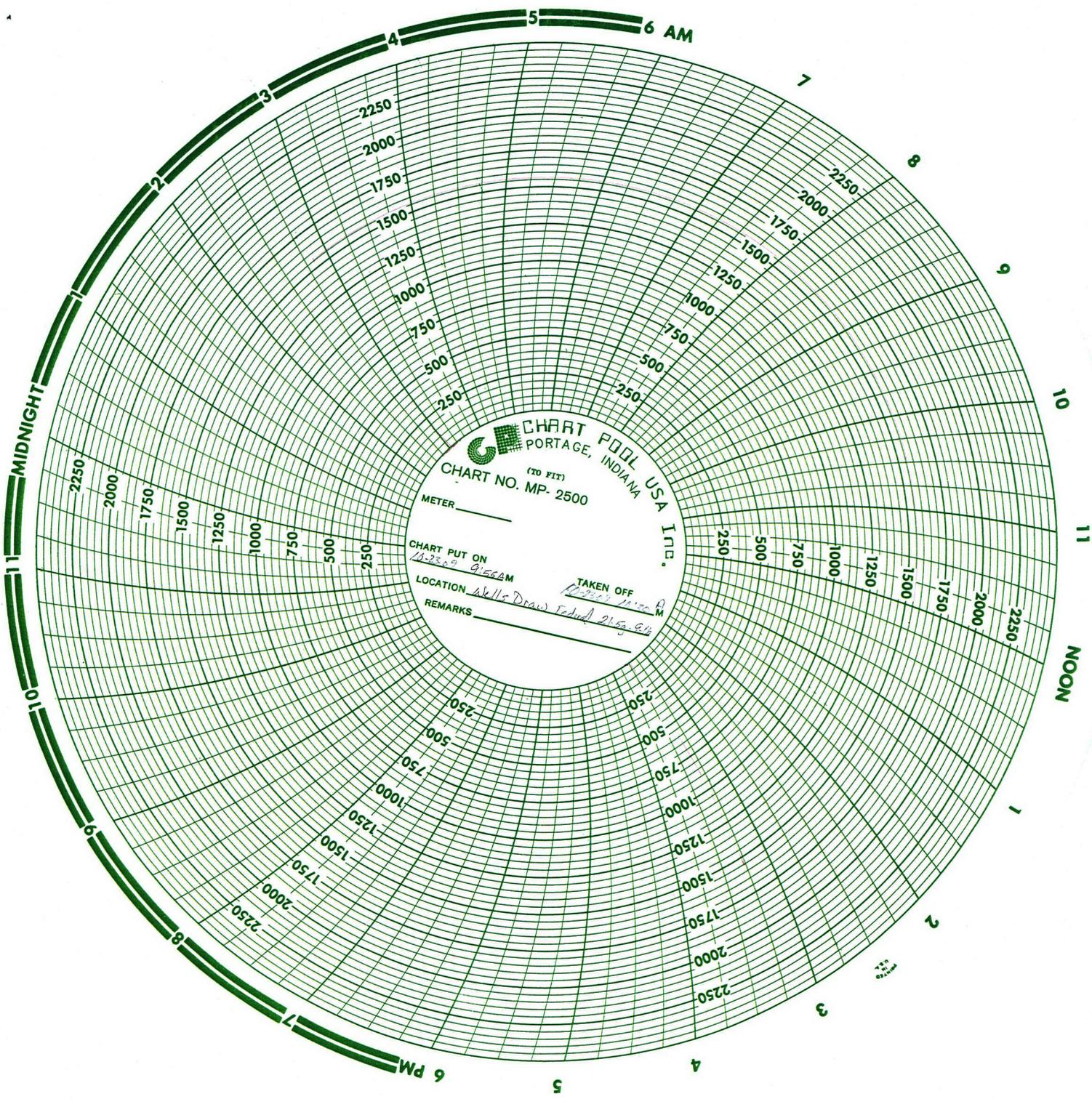
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1650</u>	psig
5	<u>1550</u>	psig
10	<u>1550</u>	psig
15	<u>1550</u>	psig
20	<u>1550</u>	psig
25	<u>1550</u>	psig
30 min	<u>1550</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1660 psig

Result: ~~Pass~~ Fail

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

Signature of Person Conducting Test: David Richens



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

METER \_\_\_\_\_

CHART PUT ON  
*12-22-89 9:56 AM*

LOCATION *Wells Draw Federal 215a 94*

TAKEN OFF  
*12-22-89 11:00 AM*

REMARKS \_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-30096
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7.UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> NGC FED 21-5G
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43013306980000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0673 FNL 2005 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 05 Township: 09.0S Range: 16.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/30/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="5 YR MIT"/>

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

On 09/30/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 09/30/2014 the casing was pressured up to 1462 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1780 psig during the test. There was a State representative available to witness the test - Chris Jensen.

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

Date: October 14, 2014

By: 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/2/2014	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

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

Witness: Chris Jensen Date 9/30/14 Time 10:00  am  pm  
Test Conducted by: Jenny Daniels  
Others Present: \_\_\_\_\_

Well: NGC Federal 21-5G-9-1U Field: Monument Butte  
Well Location: NE/NW Sec. 5, T4S, R16E API No: 4301330698  
Duchesne county.

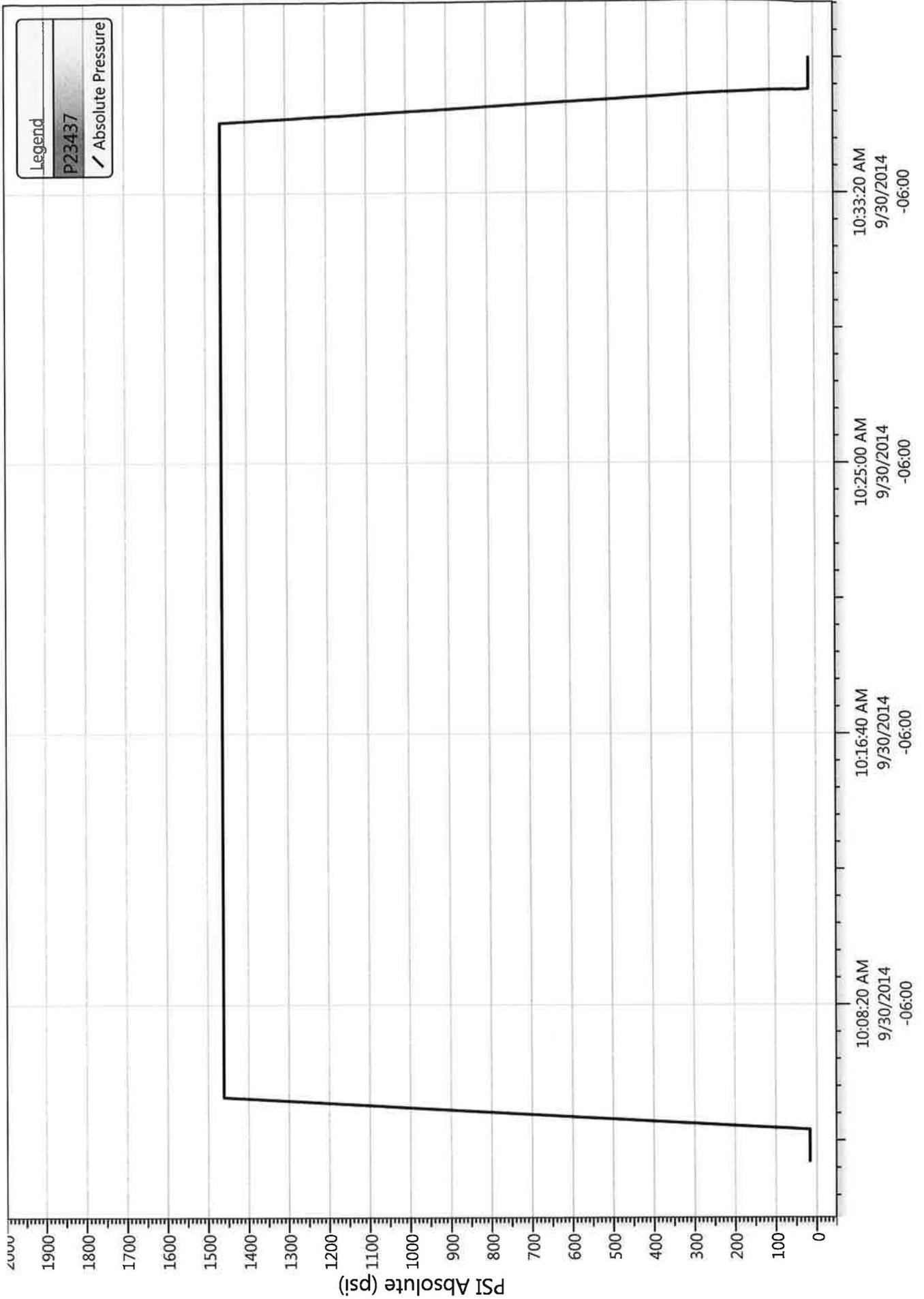
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1461</u>	psig
5	<u>1461</u>	psig
10	<u>1462</u>	psig
15	<u>1461</u>	psig
20	<u>1462</u>	psig
25	<u>1461</u>	psig
30 min	<u>1462</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1780 psig

Result:  Pass  Fail

Signature of Witness: Chris Jensen  
Signature of Person Conducting Test: Jenny Daniels

NGC Federal 21-5g-9-16  
9/30/2014 11:40:31 AM



(NCG Fed)

# Wells Draw 21-5G-9-16

Spud Date: 3/28/83  
Put on Production: 8/29/83  
GL: 5797' KB: 5811'

Injection Wellbore  
Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 32#  
LENGTH: 7 JTS  
DEPTH LANDED: 311'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 215 sks Class "G" cmt, est 2 bbls to surface

### PRODUCTION CASING

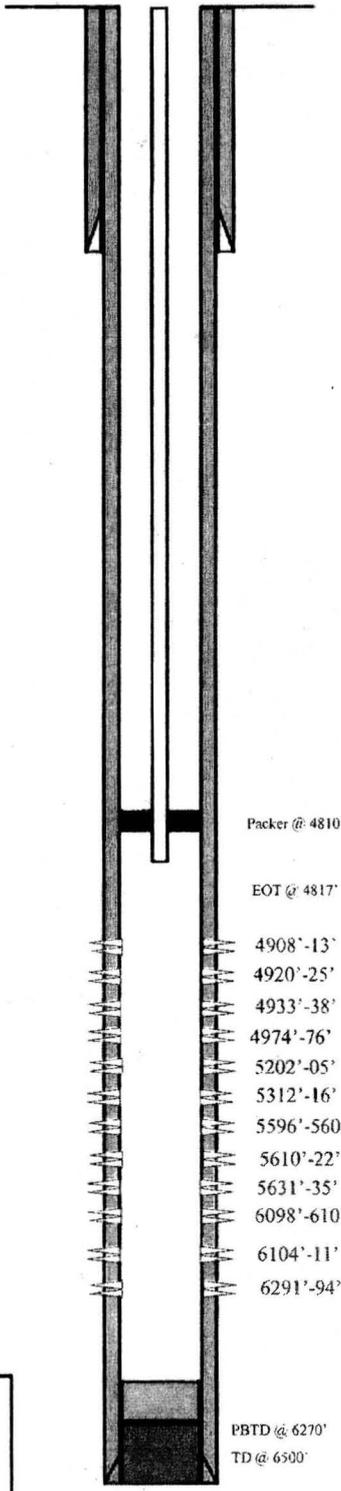
CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 157 jts  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 338 sks BS Lite & 863 sks 50/50 Poz  
CEMENT TOP AT:  
SET AT: 6500'

### TUBING

SIZE/GRADE/WT: 2-7/8", J-55, 6.5#  
NO. OF JOINTS: 150 JTS (4791.8')  
SEAT NIPPLE: 2 7/8" (1.1)  
SN LANDED AT: 4806'  
PACKER: 4810'  
EOT: 4817'

### FRAC JOB

6098'-6294'	76,000# 20/40 sd and 31,440 gal Versagel
5596'-5635'	144,000# 20/40 sd and 41,270 gal Versagel
5202'-5316'	98,000# 20/40 sd and 31,150 gal Versagel
4908'-4976'	180,000# 20/40 sd and 50,290 gal Versagel
4576'-4586'	58,720# 20/40 sand in 452 bbls Lightning 17 frac fluid. Treated @ ave pressure of 3671 w/ave rate of 14.3 bpm w/6 ppg of sand. ISIP was 2700.
5874'-5884'	29,352# of 20/40 sand in 255 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 4645 w/ave rate of 14.3 bpm w/6 ppg of sand. ISIP was 3150.
12/30/04	5 year MIT
10/23/09	5 YR MIT



Packer @ 4810'

EOT @ 4817'

4908'-13'

4920'-25'

4933'-38'

4974'-76'

5202'-05'

5312'-16'

5596'-5601'

5610'-22'

5631'-35'

6098'-6101'

6104'-11'

6291'-94'

PBTB @ 6270'

TD @ 6500'

### PERFORATION RECORD

6291'-6294'	3 SPF	10 holes
6104'-6111'	1 SPF	4 holes
6098'-6101'	1 SPF	8 holes
5631'-5635'	1 SPF	5 holes
5610'-5622'	1 SPF	13 holes
5596'-5601'	1 SPF	6 holes
5312'-5316'	1 SPF	5 holes
5202'-5205'	2 SPF	7 holes
4974'-4976'	1 SPF	3 holes
4933'-4938'	1 SPF	6 holes
4920'-4925'	1 SPF	6 holes
4908'-4913'	1 SPF	6 holes

## **NEWFIELD**

Wells Draw #21-5G-9-16

637 FNL 2005 FWL

NENW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-30698; Lease #U-30096