

# PACIFIC TRANSMISSION SUPPLY COMPANY

212 GOODSTEIN BUILDING  
P. O. BOX 3093  
CASPER, WYOMING 82602  
(307) 265-1027

July 11, 1978

Mr. P.L. Driscoll  
Division of Oil, Gas & Mining  
1588 West  
North Temple  
Salt Lake City, UT 84116

Re: Proposed PTS #44-36 State  
Sec. 36, T8S, R15E, SLB&M  
Duchesne County, Utah  
Treaty Boundary Unit

Dear Mr. Driscoll:

Pacific Transmission Supply Company proposes to drill the above captioned well located in the Treaty Boundary Unit, Duchesne County, Utah. The following documents are attached:

- 1) Application for Permit to Drill
- 2) Designation of Operator
- 3) Surveyor's Plat
- 4) BOP & Pressure Containment Data
- 5) Location Layout Map
- 6) Topo Map "A" & "B"

Please do not hesitate to contact this office if further information is needed.

Very truly yours,



E. E. MULHOLLAND  
OPERATIONS ENGINEER

/ks  
cc: J.L. Wroble  
E.R. Henry  
R.J. Firth  
Partners  
Attach.

43-113-30457

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.  
21835

6. If Indian, Allottee or Tribe Name  
Treaty Boundary

7. Unit Agreement Name  
State

8. Farm or Lease Name  
44-36

9. Well No.  
Wildcat

10. Field and Pool, or Wildcat  
Sec. 36, T8S, R15E

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

Duchesne Utah  
12. County or Parrish 13. State

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  
PACIFIC TRANSMISSION SUPPLY COMPANY

3. Address of Operator  
P.O. Box 3093, Casper, WY 82602

4. Location of Well (Report location clearly and in accordance with any State requirements.\*)  
At surface  
784' FSL, 784' FEL (SE SE) Section 36, T8S, R15E, SLB&M  
At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*  
640

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

16. No. of acres in lease  
6800

17. No. of acres assigned to this well  
Rotary

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth  
6800

20. Rotary or cable tools

21. Elevations (Show whether DF, RT, GR, etc.)

5834 Ungraded Ground

22. Approx. date work will start\*  
6/30/78

23. PROPOSED CASING AND CEMENTING PROGRAM

| Size of Hole | Size of Casing | Weight per Foot | Setting Depth | Quantity of Cement |
|--------------|----------------|-----------------|---------------|--------------------|
| 24           | 20             | 81              | 30'           | 1 yard ready mix   |
| 12 1/4       | 9-5/8          | 36              | 500'          | 150 sx             |
| 7-7/8        | 4 1/2          | 10.5            | As required   | As required        |

Operator proposes to drill a well to penetrate the Wasatch formation or to a total depth of 6800. Should oil or gas be found in commercial quantities, 4 1/2" production casing will be run and cemented. The well will be drilled according to the attached prognosis and BOP equipment will be maintained at all times as specified in the Pressure Containment Plan attached.

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 E. E. Mulholland Title Operations Engineer Date 7/11/78  
E. E. MULHOLLAND  
(This space for Federal or State office use)

Permit No. 43-013-30451 Approval Date

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

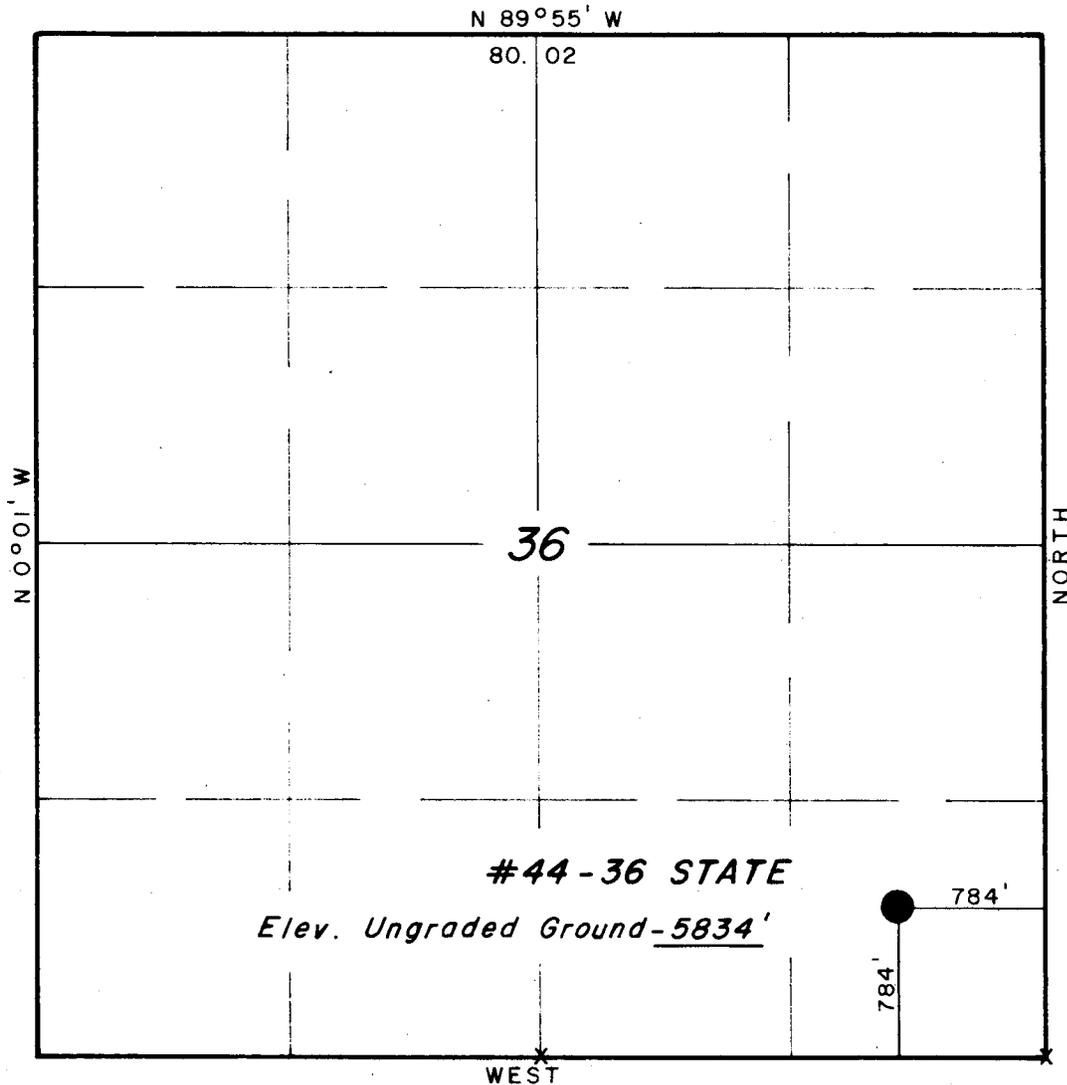
3-State of UT, 1-U.S.G.S.-SLC,UT, 1-JLWroble, 1-ERHenry, 1-Partners, 1-File

PROJECT

PACIFIC TRANSMISSION SUPPLY CO.

*T 8 S, R 15 E, S.L.B. & M.*

Well location, #44-36 STATE,  
located as shown in the SE 1/4 SE 1/4  
Section 36, T8S, R15E, S.L.B. & M.  
Duchesne County, Utah.



X = Section Corners Located



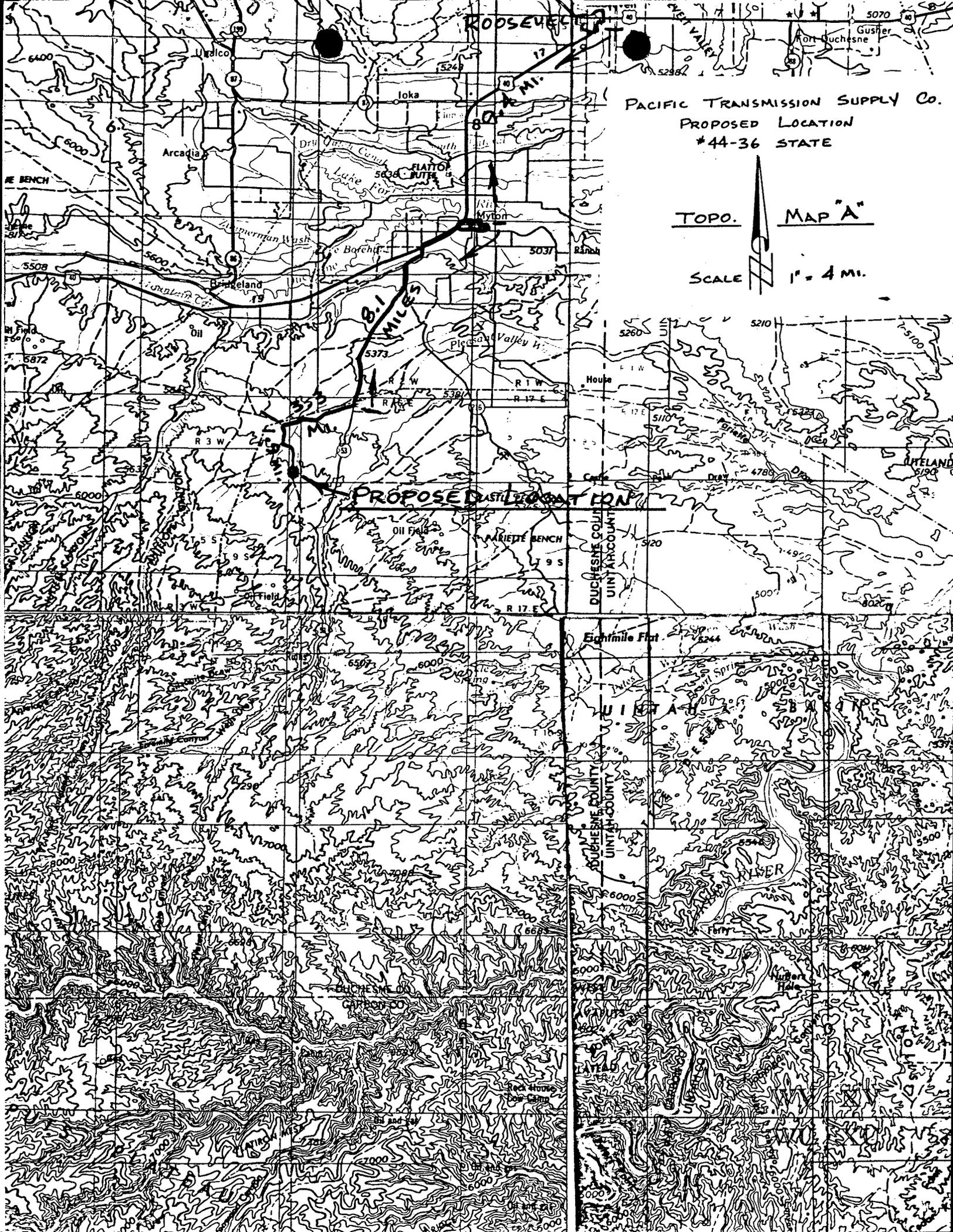
CERTIFICATE

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

REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P.O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

|         |            |      |                        |
|---------|------------|------|------------------------|
| SCALE   | 1" = 1000' | DATE | 6/27/78                |
| PARTY   | MS KH HH   | DJ   | REFERENCES<br>GLO Plat |
| WEATHER | Fair       | FILE | PACIFIC TRANS. SUPPLY  |



ROOSEVELT

PACIFIC TRANSMISSION SUPPLY Co.  
PROPOSED LOCATION  
#44-36 STATE

TOPO. MAP "A"  
SCALE 1" = 4 MI.

PROPOSED CASTLE LOCATION

8.1 MILES

DUCHESNE COUNTY  
UNITED STATES

DUCHESNE COUNTY  
UNITED STATES

DUCHESNE COUNTY  
UNITED STATES

DUCHESNE COUNTY  
UNITED STATES

Eightmile Flat

UNITED STATES

UNITED STATES

UNITED STATES

UNITED STATES

UNITED STATES

UNITED STATES

Arcadia

Ioka

FLATTOP BUTTE

Mylon

Pleasant Valley

House

Case

Eightmile Flat

UNITED STATES

UNITED STATES

UNITED STATES

UNITED STATES

UNITED STATES

UNITED STATES

Oil

OIL FIELD

MARLETTE BENCH

Case

Eightmile Flat

UNITED STATES

UNITED STATES

UNITED STATES

UNITED STATES

UNITED STATES

UNITED STATES

Oil

OIL FIELD

MARLETTE BENCH

Case

Eightmile Flat

UNITED STATES

UNITED STATES

UNITED STATES

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Case

UNITED STATES

UNITED STATES

Oil

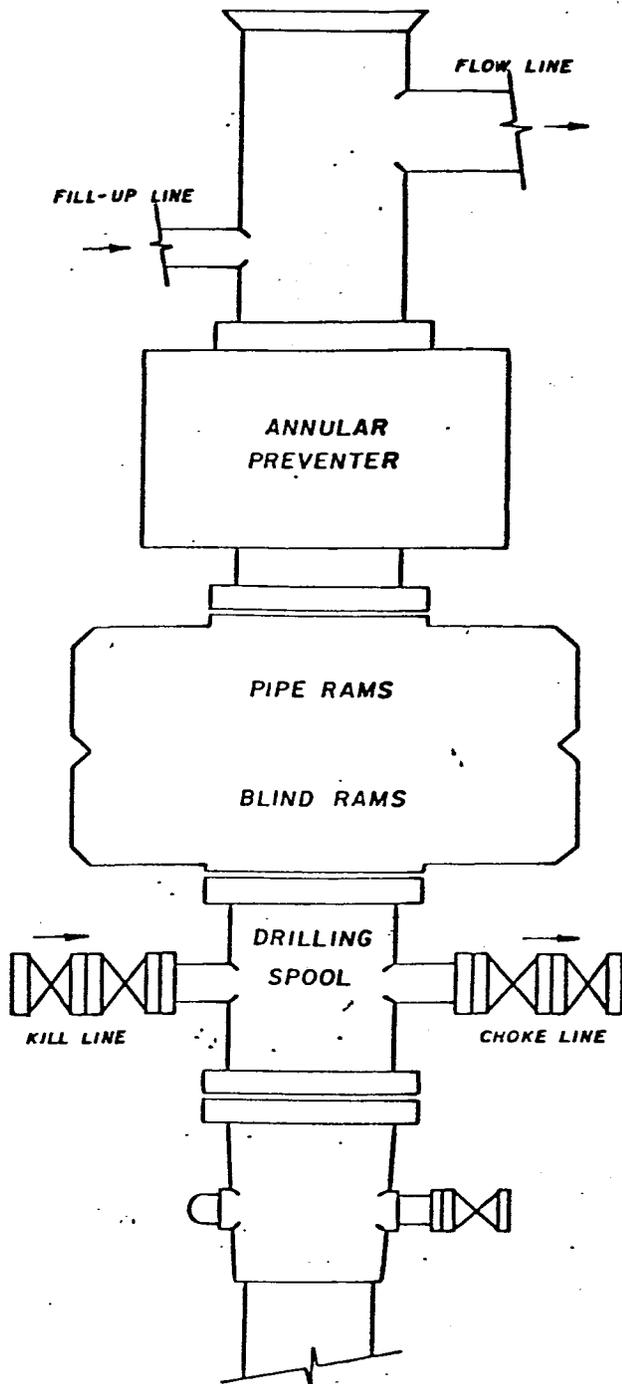
OIL FIELD

MARLETTE BENCH

Case

UNITED STATES

**PACIFIC TRANSMISSION SUPPLY**  
**BOP AND PRESSURE CONTAINMENT DATA**



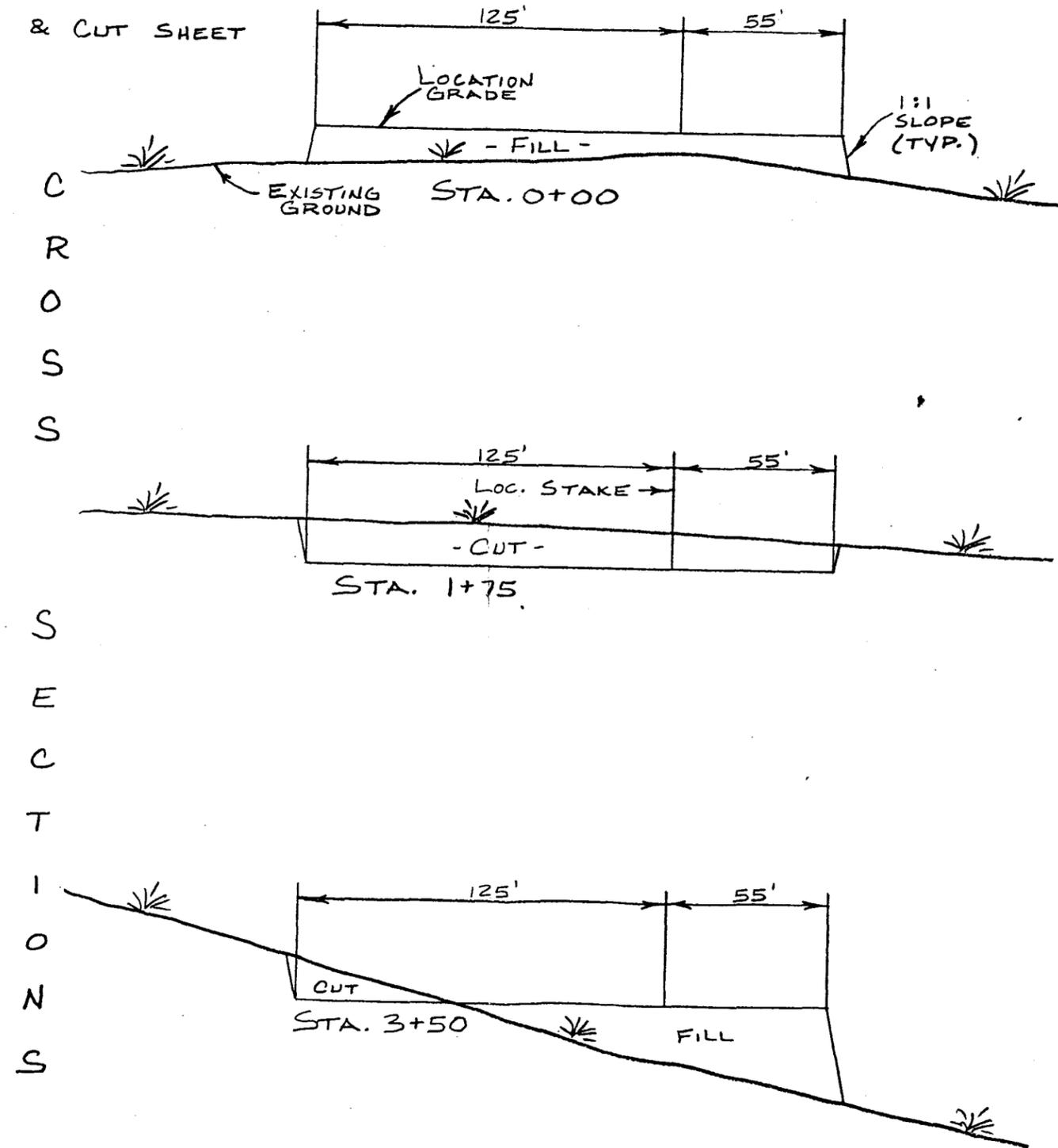
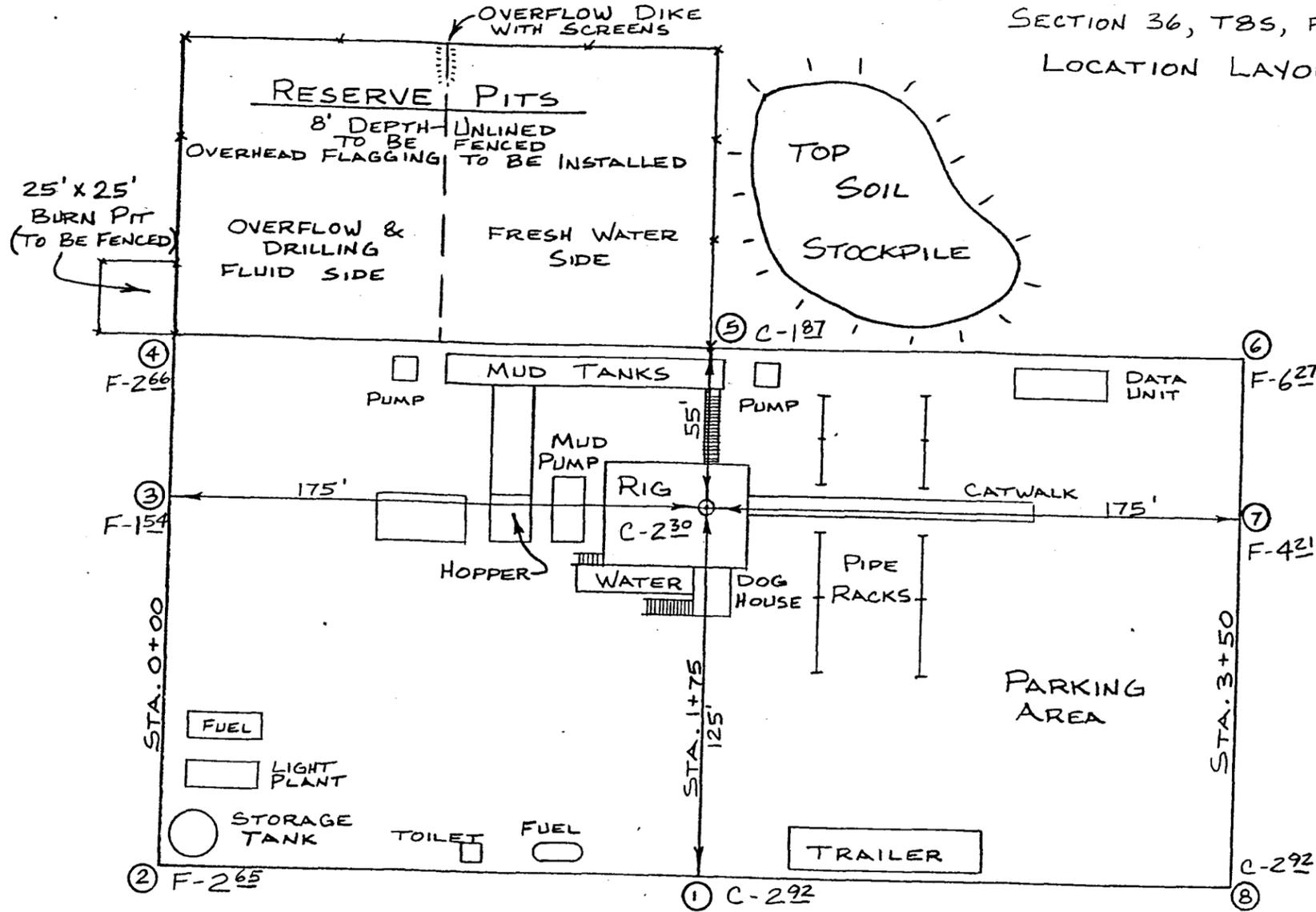
1. BOP equipment shall consist of a double gate, hydraulically operated preventer with pipe and blind rams or two single ram type preventers, one equipped with pipe rams, the other with blind rams and an annular type preventer, all to be 10" - 3000 W.P.
2. BOP's are to be well-braced with hand controls extended clear of substructure.
3. Accumulator to provide closing pressure in excess of that required with sufficient volume to operate all components.
4. Auxiliary equipment: Lower kelly cock, full opening stabbing valve, 2½" choke manifold, pit level indicator and/or flow sensors with alarms.
5. All BOP equipment, auxiliary equipment stand pipe and valves and rotary hose to be tested to the rated pressure of the BOP's at time of installation and 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.

PACIFIC TRANSMISSION SUPPLY Co.

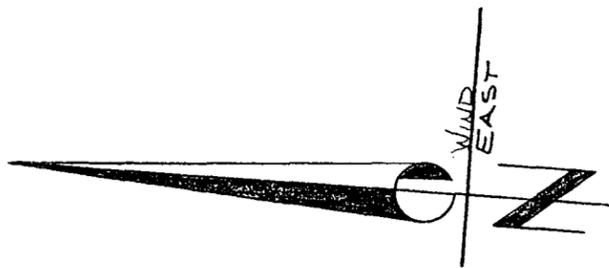
#44-36 STATE

SECTION 36, T8S, R15E, SLB & M

LOCATION LAYOUT & CUT SHEET

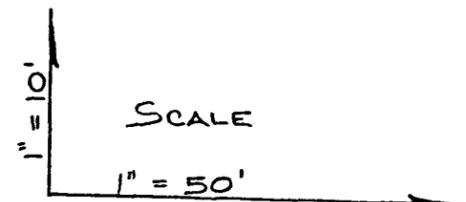
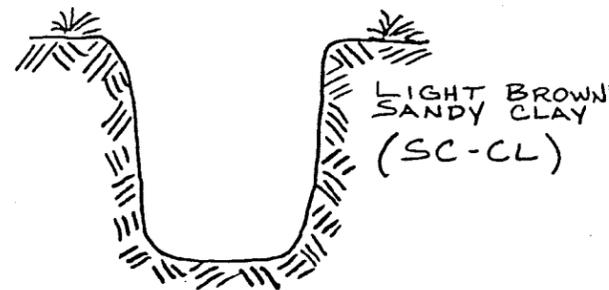


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SCALE - 1" = 50'

SOILS LITHOLOGY  
-NO SCALE-



APPROX. YARDAGES  
CUT - 3,154 CU. YDS.  
FILL - 2,750 CU. YDS.

PACIFIC TRANSMISSION SUPPLY CO.

PROPOSED LOCATION

#44-36 STATE

TOPO.

MAP "B"

SCALE



1" = 2000'

ROAD CLASSIFICATION

Light-duty

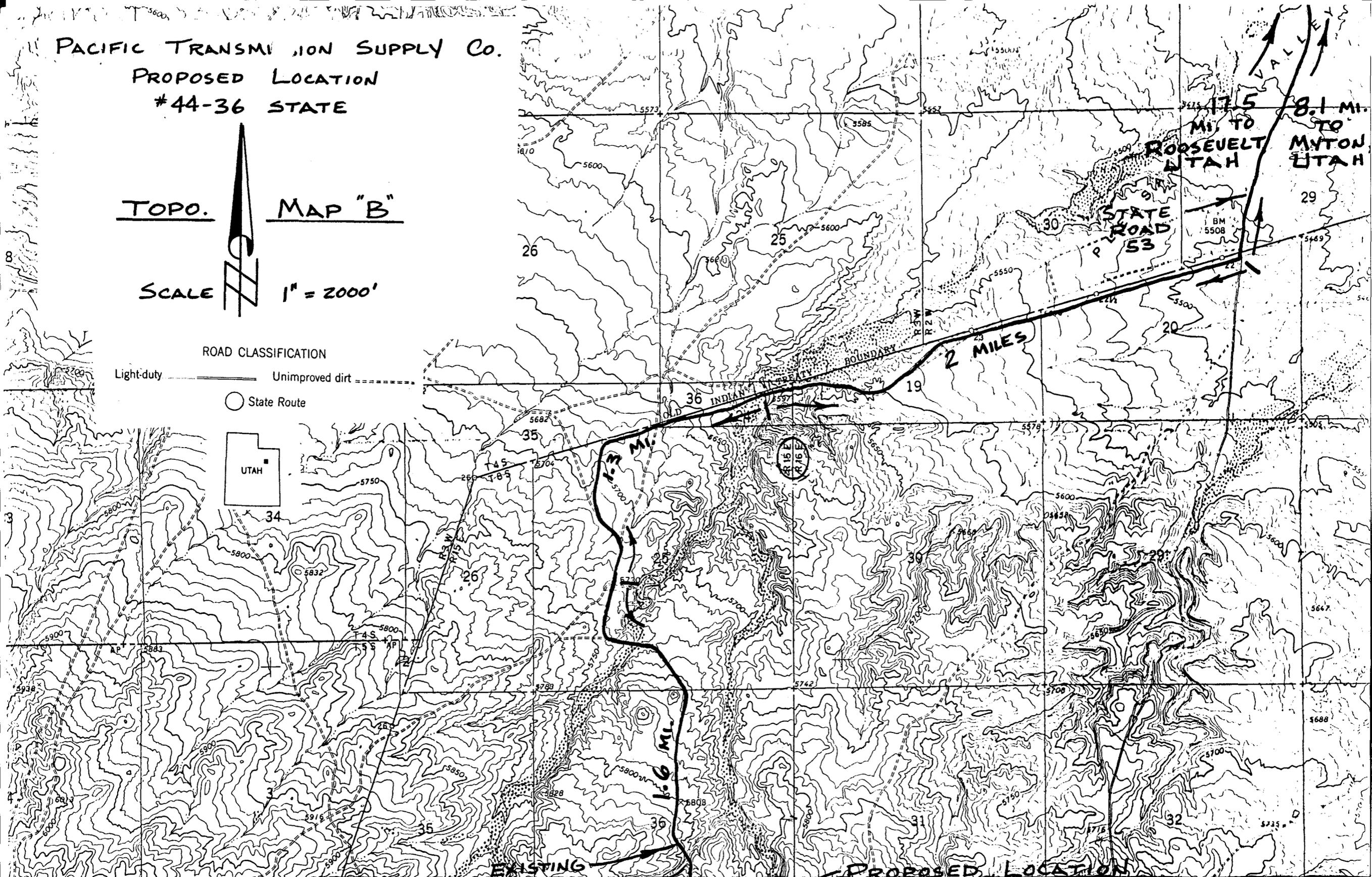
Unimproved dirt

○ State Route

UTAH

EXISTING

PROPOSED LOCATION





SUPERVISOR, OIL AND GAS OPERATIONS:

**DESIGNATION OF OPERATOR**

The undersigned is, on the records of the ~~Bureau of Land Management~~ <sup>State of Utah Land Board</sup>, holder of oil and gas lease

~~DISTRICT~~ LAND OFFICE: State Land Board, Rm 105, State Capitol Bldg., Salt Lake City, UT  
SERIAL No.: 21835 84114

and hereby designates

NAME: Pacific Transmission Supply Company  
ADDRESS: 633 Seventeenth Street, Suite 2140  
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 8 South, Range 15 East, Salt Lake Meridian  
Section 36: All

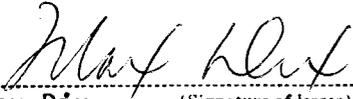
Duchesne County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

GULF OIL CORPORATION

  
Max Dix (Signature of lessee) Attorney-in-Fact

June 19, 1978

(Date)

P. O. Box 2619, Casper, WY 82602

(Address)

WELL PROGNOSIS  
PTS #44-36 STATE  
Duchesne County, Utah

LOCATION: 784' from South line  
784' from East line  
SE SE Section 36, T8S, R15E, SLB&M  
Duchesne County, Utah

The PTS #44-36 State will be drilled as the initial well for the Treaty Boundary Unit.

OPERATOR: Pacific Transmission Supply Company

LEASE: State of Utah 21835

ELEVATION: 5834 Ungraded Ground

DRILLING CONTRACTOR: To be selected

FORMATION TOPS & DATUM:

| <u>Formation</u>  | <u>Depth</u> | <u>Datum</u> |
|-------------------|--------------|--------------|
| Green River       | 1702         | +4132        |
| Parachute Creek   | 2692         | +3142        |
| Garden Gulch      | 3954         | +1880        |
| Douglas Creek     | 4938         | +896         |
| Wasatch Formation | 6354         | -520         |
| Total Depth       | 6800         | -966         |

SAMPLE COLLECTION: Ten (10) foot samples from under surface to total depth. Samples will be collected by drilling crews for the wellsite geologist. Frequency of sample collection may be changed at geologist's discretion.

LOGGING PROGRAM: Dual Induction Laterolog, Borehole Compensated Sonic with Gamma Ray and Caliper, Compensated Neutron-Formation Density with Gamma Ray and Caliper.

MUD LOGGING: Portable mud logging unit operated by wellsite geologist. Mud logging unit to be in operation from below surface casing.

DRILLSTEM TESTING: All significant shows of oil and gas will be drillstem tested.

MUD PROGRAM:

| <u>Interval feet</u> | <u>Mud Weight lbs./gal.</u> | <u>Viscosity Sec./qt.</u> | <u>Fluid Loss MI/30 mins.</u> | <u>Type</u>                 |
|----------------------|-----------------------------|---------------------------|-------------------------------|-----------------------------|
| 0-500                | 8.4-8.7                     | 26-29                     | N.C.                          | Water                       |
| 500-5000             | 8.7-9.0                     | 26-29                     | N.C.                          | Salt Water<br>60-80,000 ppm |
| 5000-TD              | 9.2-9.5                     | 34-45                     | 12 cc or less                 | Salt Mud<br>60,000 ppm      |

DRILLING PROGRAM:

- 1) Move in dry hole digger and set and cement 30' of 20" conductor.
- 2) Move in rotary tools. Drill 12¼" hole and set & cement 9-5/8", 36#, K-55 casing at +500'. WOC.
- 3) Drill out with 7-7/8" bit to total depth. Log and evaluate well.
- 4) In the event commercial production is indicated, run 4½", 10.5#, K-55 casing and cement across potential zones.
- 5) Release rig and develop completion procedure.

PERSONNEL & MAILING INFORMATION:

Dee E. Beardsley, Manager of Operations  
Pacific Transmission Supply Company  
P.O. Box 3093  
Casper, WY 82602  
Telephone: Office (307) 265-1027  
Home (307) 234-7666

E. E. Mulholland, Operations Engineer  
Pacific Transmission Supply Company  
P.O. Box 3093  
Casper, WY 82602  
Telephone: Office (307) 265-1027  
Home (307) 265-4191

R. J. Firth  
Pacific Transmission Supply Company  
64 East Main Street  
Vernal, UT 84078  
Telephone: Office (801) 789-4573  
Home (801) 789-5575

NOTIFICATION OF SHOWS, DST'S & UNUSUAL PROBLEMS:

|                  |                      |                    |
|------------------|----------------------|--------------------|
| Dee E. Beardsley | Office: 307-265-1027 | Home: 307-234-7666 |
| J. L. Wroble     | 303-571-1662         | 303-770-2667       |
| E. E. Mulholland | 307-265-1027         | 307-265-4191       |
| R. J. Firth      | 801-789-4573         | 801-789-5575       |
| George Olson     | 307-235-1311         | 307-234-3112       |
| R. D. Mathews    | 307-235-1311         | 307-265-2420       |

DISTRIBUTION OF INFORMATION:

Pacific Transmission Supply Company  
P.O. Box 3093  
Casper, WY 82602  
Attn: Mr. D. E. Beardsley

Pacific Transmission Supply Company  
64 East Main Street  
Vernal, UT 84078  
Attn: Mr. R. J. Firth

Pacific Transmission Supply Company  
633 - 17th Street, Suite 2140  
Denver, CO 80202  
Attn: Mr. J. L. Wroble

Gulf Oil Corporation  
P.O. Box 2619  
Casper, WY 82602  
Attn: Mr. George Olson

State of Utah  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116  
Attn: Mr. P. L. Driscoll

U. S. Geological Survey  
8426 Federal Building  
Salt Lake City, UT 84138  
Attn: Mr. E. W. Guynn

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

SE SE

\*\* FILE NOTATIONS \*\*

Date: July 18 -  
Operator: Pacific Transmission  
Well No: State 44-36  
Location: Sec. 36 T. 8S R. 15E County: DeChase

File Prepared:  Entered on N.I.D.:   
Card Indexed:  Completion Sheet:

API NUMBER: B-013-30451

CHECKED BY:

Administrative Assistant [Signature]

Remarks:

Petroleum Engineer [Signature]

Remarks:

Director [Signature]

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:  Survey Plat Required:

Order No.  Surface Casing Change   
to

Rule C-3(c), Topographic exception/company owns or controls acreage  
within a 660' radius of proposed site

O.K. Rule C-3  O.K. In  Unit

Other:

Letter Written/Approved

615  
N/A  
[Handwritten notes]

July 21, 1978

Pacific Transmission Supply Company  
P.O. Box 3093  
Casper, Wyoming 82602

Re: Well No. State 44-36  
Sec. 36, T. 8 S, R. 15 E,  
Duchesne County, Utah

Gentlemen:

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

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer  
HOME: 582-7247  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

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

The API number assigned to this well is 43-013-30451.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

cc: Division of State Lands

August 11, 1978

MEMO TO FILE

Re: Pacific Transmission  
State 44-36  
Sec. 36, 8S, 15E  
Duchesne County, Utah

The above drilling site was visited on August 11, 1978. The rig inspection was made by C.B. Feight. The TD was 7,164'. The well was being logged.

CLEON B. FEIGHT  
DIRECTOR  
DIVISION OF OIL, GAS, AND MINING

CBF/lw  
cc: State Land Board

# PACIFIC TRANSMISSION SUPPLY COMPANY

212 GOODSTEIN BUILDING  
P. O. BOX 3093  
CASPER, WYOMING 82602  
(307) 265-1027

August 23, 1978

Mr. George Olson  
GULF OIL CORPORATION  
P. O. Box 2619  
Casper, Wyoming 82602

Mr. A. G. Andrikopoulos  
P. O. Box 788  
Cheyenne, Wyoming 82001  
Attn: Mr. Gale O. Kelly



Reference: PTS #44-36 State  
SE-SE Sec. 36-T8S-R15E  
Duchesne County, Utah  
Treaty Boundary Unit

Gentlemen:

We are enclosing herewith your required number of copies of the following information pertaining to the subject well:

Geological Well Report

Drilling Time & Gas Detector Log

Very truly yours,

Original Signed By  
DEE E. BEARDSLEY

DEE E. BEARDSLEY  
Manager of Operations

DEB:a

cc: Mr. J. L. Wroble  
Mr. E. R. Henry  
Mr. E. E. Mulholland  
✓ Mr. R. J. Firth  
Mr. B. W. Allen  
Mr. E. W. Gynn (USGS-Salt Lake)  
Mr. P. L. Driscoll (Div. Oil, Gas & Mining-Salt Lake)

encl. ←

DRILL STEM TEST RECORD

DST #1 2911' - 2956'  
 Test Periods: 10" - 30" - 60" - 180"  
 Initial Open: Opened with a strong blow and blowing to the bottom of bucket in 1 minute and strong throughout; 30# on bubble hose in 5" and 70# in 10"  
 GTS: GTS in 10" (Right at end of initial open period as tool was being rotated shut.)  
 Final Open: Opened for final open with a strong blow and to the bottom of the bucket in ½ minute. 20# on bubble hose in 1 minute.  
 Recovery: Recovered 180' drilling fluid  
 Pressures: IHH 1395#, IFP 113#-144#, ISIP 1368#  
             FHH 1379#, FFP 92#-97#, FSIP 1373#  
             BHT 150°  
 Sampler: Total Volume 2,000 cc  
             Pressure 1300 PSIG  
             Sample Recovery 550 cc drilling fluid; 5 cu. ft. gas

Gas Volume Report:

| Minutes | Surface Choke | PSI | Volume (MCF/Day) |
|---------|---------------|-----|------------------|
| 5       | 1/4"          | 26# | 56.3 MCF/Day     |
| 10      | 1/4"          | 25# | 54.7 MCF/Day     |
| 15      | 1/4"          | 24# | 53.2 MCF/Day     |
| 20      | 1/4"          | 23# | 52.8 MCF/Day     |
| 25      | 1/4"          | 22# | 50.2 MCF/Day     |
| 30      | 1/4"          | 21# | 48.7 MCF/Day     |
| 35      | 1/4"          | 21# | 48.7 MCF/Day     |
| 40      | 1/4"          | 21# | 48.7 MCF/Day     |
| 45      | 1/4"          | 20# | 47.1 MCF/Day     |
| 50      | 1/4"          | 20# | 47.1 MCF/Day     |
| 55      | 1/4"          | 20# | 47.1 MCF/Day     |
| 60      | 1/4"          | 20# | 47.1 MCF/Day     |

DST #2 4587' -4645'  
 Test Periods: 15" - 30" - 60" - 180"  
 Initial Open: Opened with a weak blow and blowing 1" deep in bubble bucket throughout initial open period.  
 Final Open: Opened with a weak blow as above and steady throughout  
 No GTS  
 Recovery: 120' fluid - (10' sticky black oil and 110' of drilling fluid.)  
 Pressures: IHH 2199#, IFP 49#-49#, ISIP 148#  
             FHH 2186#, FFP 99#-115#, FSIP 978#  
             BHT 120°  
 Sampler: Total Volume: 2100 cc  
             Pressure: 35 PSIG  
             Sample Recovery: 2,000 cc oil cut water.

DRILL STEM TEST

DST #3 5111'-5181'  
Test Periods: 30" - 30" - 60" - 180"  
Initial Open: Open with weak blow and increasing; blowing to bottom  
of bucket in 11 minutes, and increased to 3/4# PSI  
Final Open: Open with weak blow and to bottom of bucket in 3 minutes  
at 1# PSI and steady throughout open.  
No GTS  
Recovery: 166' fluid (26' water and 140' water cut condensate)  
Pressures: IHH, 2457#, IFP 89#-94#, ISIP 169#  
FHH, 2457#, FFP 94#-103#, FSIP 394#  
BHT 162°  
Sampler: Total Volume 2100 cc  
Pressure 0 PSI  
Sample Recovery: 1500 cc condensate cut water

DST #4 5640'-5660 Misrun; BHT 175°

DST #5 5640-5660 Misrun; Rerun DST #4; BHT 175°

DST #6 5636'-5664 Misrun; Rerun DST #5; BHT 175°



*file in  
well file*

SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

I. DANIEL STEWART  
*Chairman*

CLEON B. FEIGHT  
*Director*

CHARLES R. HENDERSON  
JOHN L. BELL  
THADIS W. BOX  
C. RAY JUVELIN

September 1, 1978

Mr. Bill Martens  
U.S. Geological Survey  
8426 Federal Bldg  
Salt Lake City, UT 84138

Dear Bill:

Relative to our recent telephone conversation I would like to utilize this letter as a follow-up

On June 30, 1978, in conversation with Mr. Dee Beardsly of Pacific Transmission Supply I verbally approved the commencement of operations on the State 44-36, SE SE Section 36, Township 8 S, Range 15 E, Duchesne County, Utah.

Mr. Beardsly requested verbal approval due to potential termination of federal leases. On June 30, 1978, Rocky Mountain Rat Hole Diggers moved in equipment and commenced drilling for the purpose of setting conductor pipe prior to moving in TWT Exploration Company Rig #6.

Mr. Beardsly informed me that the formal application would be sent immediatly.

Sincerely,

*Patrick L. Driscoll*

PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER

PLD/lw

cc: H.G. Culp  
Manager of Contract Administration  
Pacific Transmission Supply Co.  
345 Market St.  
San Francisco, CA 94105

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

|   |   |  |
|---|---|--|
| <p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p>   |   | <p>5. LEASE DESIGNATION AND SERIAL NO.<br/>21835</p> |
| <p>2. NAME OF OPERATOR<br/>PACIFIC TRANSMISSION SUPPLY COMPANY</p>  |   | <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p>          |
| <p>3. ADDRESS OF OPERATOR<br/>P. O. Box 3093, Casper, Wyoming 82602</p>   |   | <p>7. UNIT AGREEMENT NAME<br/>Treaty Boundry</p>     |
| <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)<br/>At surface<br/>784' FSL, 784' FEL (SESE) Section 36, T8S, R15E, SLB&amp;M</p> |   | <p>8. FARM OR LEASE NAME<br/>State</p>               |
| <p>14. PERMIT NO.</p>   | <p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br/>5850 KB</p> | <p>9. WELL NO.<br/>44-36</p>                         |
| <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br/>Section 36, T8S, R15E</p>   |   | <p>10. FIELD AND POOL, OR WILDCAT<br/>Wildcat</p>    |
| <p>12. COUNTY OR PARISH</p>   |   | <p>18. STATE<br/>Utah</p>                            |

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

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

Drilled 7-7/8" hole to 7165' and ran electric logs. Equalized 50 sack cement plug 6150'- 6050'. Ran 4-1/2", 11.6#, K-55 & N-80 production casing w/ stage cementing tool to 5800'. Cemented thru casing shoe with 275 sacks cement and thru stage collar @ 3095' with 175 sacks cement. Released rotary drilling rig @ 3:00 A.M., August 17, 1978.

Rigged up completion unit, August 30, 1978. Installed tubing head assembly and BOP equipment. PU tubing, scraper and bit and drill stage collar and cement. Check PBTD @ 5730'. Pressure test casing and POOH w/ tubing, scraper and bit. Ran cement bond log and Gamma Ray Correlation log: Perforated 5636-52' w/ 2 SPF and acidized w/ 2000 gals. 7-1/2% HCl acid. Flow testing.



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

SIGNED R. D. Firth TITLE Petroleum Engineer DATE September 12, 1978

(This space for Federal or State office use)

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

3-St of UT, 1-USGS, 1-JLWroble, 1-ERHenry, 1-EEMulholland, 1-File

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

SUBMIT IN TRIPLICATE\*  
(See instructions on reverse side)

|  |                   |
|--|-------------------|
| 5. LEASE DESIGNATION AND SERIAL NO.<br>21835                           |                   |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                   |                   |
| 7. UNIT AGREEMENT NAME<br>Treaty Boundry                               |                   |
| 8. FARM OR LEASE NAME<br>State   |                   |
| 9. WELL NO.<br>44-36   |                   |
| 10. FIELD AND POOL, OR WILDCAT<br>Wildcat                              |                   |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 36, T8S, R15E |                   |
| 12. COUNTY OR PARISH<br>Duchesne                                       | 13. STATE<br>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  
PACIFIC TRANSMISSION SUPPLY COMPANY

3. ADDRESS OF OPERATOR  
P. O. Box 3093, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
784' FSL, 784' FEL (SE SE) Section 36, T8S, R15E, S.L.B. & M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
5850' KB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

|  |   |  |  |
|--|---|--|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>                                  | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>                              | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>                           | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) Progress Report - Sept. 1978 <input checked="" type="checkbox"/> |  |

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

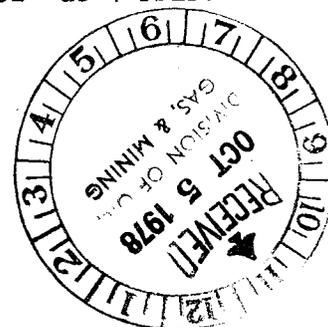
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

Perforations: 5636'- 52', 2SPF  
Tubing: 2-3/8" @ 5450'

Swab tested well for 15 days following 2000 gallon 7-1/2% HCl acid job. Final swab rate 1/2 bbl. fluid per hr. (98% oil).

Reacidized well thru perforations 5636'- 52' with 8000 gals. MOD 202 acid (90%-15% hydrochloric acid and 10% acetic acid) at 4800 psig and 4 bpm. Flowed and swab tested well.

Well Status: October 1, 1978 -- Swab testing perforations 5636'- 52' at 4 bbls. fluid in 8 hr. period (95% oil).



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

SIGNED R. J. Firth TITLE Petroleum Engineer DATE September 2, 1978

(This space for Federal or State office use)

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

3-St. of Utah, OG&M; 1-USGS, SLC, Utah; 1-JLWroble; 1-ERHenry; 1-EEmulholland; 1-WGStelling; 1-File

\*See Instructions on Reverse Side

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

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

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

2. NAME OF OPERATOR  
Pacific Transmission Supply Company

3. ADDRESS OF OPERATOR  
P.O. Box 3093, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 784' FSL, 784' FEL, SE SE Section 36, T8S, R15E, S.L.B. & M.  
At top prod. interval reported below  
At total depth

5. LEASE DESIGNATION AND SERIAL NO.  
21835

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

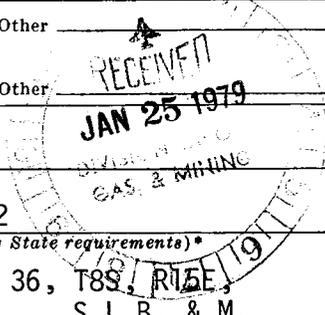
7. UNIT AGREEMENT NAME  
Treaty Boundry

8. FARM OR LEASE NAME  
State

9. WELL NO.  
44-36

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA  
Section 36, T8S, R15E



14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

15. DATE SPUNDED 6/30/78 16. DATE T.D. REACHED 8/10/78 17. DATE COMPL. (Ready to prod.) 10/28/78 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5850 KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 7165 21. PLUG, BACK T.D., MD & TVD 5730 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS 30-7165 CABLE TOOLS 0-30

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
2930' - 70' Green River - Parachute Creek

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIL 511' - 7156', CNL/FDC 513' - 7160', BHC Sonic/GR 510' - 7150'

27. WAS WELL CORED  
No

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

| CASINO SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD                        | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|---|---------------|
| 9-5/8       | 36.0            | 511            | 12-1/4    | 275 Sks Class G                         |               |
| 4-1/2       | 11.6            | 5800           | 7-7/8     | 275 Sks Class G & RFC (thru shoe)       |               |
|             |                 |                |           | 175 Sks RFC (thru stage collar @ 3095') |               |

29. LINER RECORD

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

30. TUBING RECORD

| SIZE  | DEPTH SET (MD) | PACKER SET (MD) |
|-------|----------------|-----------------|
| 2-3/8 | 2834'          | 2828'           |

31. PERFORATION RECORD (Interval, size and number)

|           |      |              |
|-----------|------|--------------|
| 2942'-48' | 2SPF |              |
| 2958'-68' | 2SPF |              |
| 5108'-14' | 2SPF | CIBP @ 5000' |
| 5636'-52' | 2SPF | CIBP @ 5600' |

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

| DEPTH INTERVAL (MD)   | AMOUNT AND KIND OF MATERIAL USED |
|-----------------------|----------------------------------|
| 2942'-48' & 2958'-68' | 2500 gals. 7-1/2% HCl acid       |
| 5108'-14'             | 1500 gals. 7-1/2% HCl acid       |
| 5636'-52'             | 2000 gals. 7-1/2% HCl acid       |
|                       | 8000 gals. 15% MOD 202 acid      |

33.\* PRODUCTION

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

DATE OF TEST 10/27/78 HOURS TESTED 8 CHOKE SIZE 14/64" PROD'N. FOR TEST PERIOD \_\_\_\_\_ OIL—BBL. \_\_\_\_\_ GAS—MCF. 20 WATER—BBL. \_\_\_\_\_ GAS-OIL RATIO \_\_\_\_\_

FLOW. TUBING PRESS. 50 CASING PRESSURE Packer CALCULATED 24-HOUR RATE \_\_\_\_\_ OIL—BBL. \_\_\_\_\_ GAS—MCF. 60 WATER—BBL. \_\_\_\_\_ OIL GRAVITY-API (CORR.) \_\_\_\_\_

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY L. D. Johnson

35. LIST OF ATTACHMENTS

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

SIGNED R. J. Firth TITLE Petroleum Engineer DATE 1/23/79

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

# INSTRUCTIONS

**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.)

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME  | GEOLOGIC MARKERS |
|-----------|-----|--------|-----------------------------|-------|------------------|
|           |     |        |                             |       | 38.              |
|           |     |        |                             |       | MEAS. DEPTH      |
|           |     |        |                             |       | TOP              |
|           |     |        |                             |       | TRUE VERT. DEPTH |
|           |     |        | Green River                 |       |                  |
|           |     |        | Parachute Creek             | 1728' |                  |
|           |     |        | Garden Gulch                | 2823' |                  |
|           |     |        | Douglas Creek               | 3964' |                  |
|           |     |        | Tongue                      | 4851' |                  |
|           |     |        | Wasatch                     | 6188' |                  |
|           |     |        |                             | 6312' |                  |

2-St.ofut.Div.of OG&M; 1-USGS; 1-JLWroble; 1-RHenry; 1-EEMulholland; 1-WGStelling; 1-DEBeardsley; 1-RBEDmundson; 1-File

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

5. LEASE DESIGNATION AND SERIAL NO.

**ML** 21835

**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.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

State

9. WELL NO.

44-36

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 36, T.8S., R.15E.

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  
784' FSL, 784' FEL, SE SE Section 36, T.8S., R.15E.

14. PERMIT NO.  
43-013-30451

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5850' KB

12. COUNTY OR PARISH | 18. STATE  
Duchesne | Utah

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

NOTICE OF INTENTION TO:

|                                  |                                     |                      |                          |
|----------------------------------|-------------------------------------|----------------------|--------------------------|
| TEST WATER SHUT-OFF              | <input type="checkbox"/>            | PULL OR ALTER CASING | <input type="checkbox"/> |
| FRACTURE TREAT                   | <input type="checkbox"/>            | MULTIPLE COMPLETE    | <input type="checkbox"/> |
| SHOOT OR ACIDIZE                 | <input type="checkbox"/>            | ABANDON*             | <input type="checkbox"/> |
| REPAIR WELL                      | <input type="checkbox"/>            | CHANGE PLANS         | <input type="checkbox"/> |
| (Other) Reopen an abandoned zone | <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 requests permission to reopen an abandoned zone in the subject shut-in gas well and convert to an oil producing well.

Please see the attached tentative workover procedure.

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

SIGNED Wm Ryan  
W. A. Ryan

TITLE \_\_\_\_\_

DATE 3/11/83

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

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

To: Pete Heddleson

Verona office NATURAL GAS CORPORATION OF CALIFORNIA

# MECHANICAL CONDITION DIAGRAM

Date 2/23/83

|                       |                |                         |             |            |
|-----------------------|----------------|-------------------------|-------------|------------|
| Lease Treaty Boundary | Well No. 44-36 | Location sec. 36-89-15E | County Inyo | State Utah |
|-----------------------|----------------|-------------------------|-------------|------------|

KB = 5850' }  
 GL = 5834' } 16'



9 5/8" 36# K-55 CSG @ 511'

TOP OF CMT @ 2700' (CBL of 9/1/78)

2 3/8" TBG (grade?, wt.?) set @ 2834'

PKR (Baker model "C" w/ model "R" unloader) set @ 2828'

2442-48' (2 SPF, 13 shots)

2958-68' (2 SPF, 21 shots)

3100' } Interval was  
 not logged  
 on CBL of 9/1/78

5000' CEBP @ 5100'

5108-14' (2 SPF, 13 shots)

5600' CEBP @ 5600'

5636-52' (2 SPF, 33 shots)

5730' PBTB = 5730'

4 1/2" 11.6 # CSG @ 5800' { 129 JTS K-55 on bottom  
 20 JTS N-80 on top

burst @ 5350 psi

# NATURAL GAS CORPORATION OF CALIFORNIA

## WELL COMPLETION WORKSHEET

|                 |      |           |                              |          |         |
|-----------------|------|-----------|------------------------------|----------|---------|
| LEASE           |      | Well No.  | Location                     | County   | Date    |
| Treaty Boundary |      | 44-36     | SE 26<br>Sec. 36-88-15E      | Duchesne | 2/23/83 |
| WELLHEAD W.P.   |      |           | ANTICIPATED SURFACE PRESSURE |          |         |
| STRING          | SIZE | DEPTH SET | GRADE                        | CPLG     | WT.     |
| SURFACE         |      |           |                              |          |         |
| PROD/INTERM     |      |           |                              |          |         |
| LOWER           |      |           |                              |          |         |
| TUBING          |      |           |                              |          |         |

### TEHRATIVE WORKOVER PROCEDURE

Reopening an abandoned zone in the subject SI gas well and converting well to an oil producer.

1. Open well to atmosphere to unload water if any. If necessary, move in swab unit and swab perfs 2942-2968' under the existing pkr at 2828'.
2. Move in the following:
  - workover unit
  - approx. 2800' of 2-3/8" J-55, 4.7# tbg
  - BOP's
  - 4-1/2" csg scraper
  - 3-7/8" bit
  - approx. four  $\lambda$  drill collars
3. BU BOP's  $3\frac{1}{2}"$
4. TOH w/tbg and pkr.
5. TIR w/DC and bit. Drill out CIBP at 5100'.
6. TOH w/DC and bit. TIR w/pkr and set it at approx. 5080'.
7. Swab test perfs 5108-5114'  
 Depending on the production from the zones 2942'-2948' and 5108'-5114', a squeeze cement job on these two zones may or may not be necessary. If a squeeze cement job is necessary, another procedure will be sent out; otherwise, proceed to the next step.
8. TOH w/pkr. TIR w/DC and bit.
9. Drill out CIBP at 5600' and check for PBTD.
10. TOR w/DC and bit. TIR w/pkr and set it at approx. 5670'.
11. Pressure test csg to 3500 psi. Move pkr up to approx. 5620'.
12. BU rig pump at breakdown perf 5636'-5652' w/ 3 bbls of 3% ECL. Test for fluid entry.
13. Frac 5636'-5652' down tbg. Flow back frac fluid.
14. If necessary, swab 5636'-5652'.
15. TOH w/pkr and tbg.
16. TIR w/tbg string set up as follows:
  - one notched collar on bottom
  - one joint of 2-3/8" tbg
  - one seating nipple set at approx. 5660'.
  - two joints of 2-3/8" tbg
  - one tbg anchor set at approx. 5600'
  - remaining w/2-3/8" to surface
17. Clean to PBTD
18. Run rods and put well on production.

GEOLOGICAL WELL REPORT

Pacific Transmission Supply Company  
#44-36 State  
784 FSL-784 FEL, SE SE  
Sec. 36, T. 8S, R. 15E, SLB&M  
Duchesne Co., Utah

Submitted by:

H. E. Hutton  
317 Goodstein Bldg.  
P.O. Box 1138  
Casper, Wyoming 82602  
Phone: (307) 266-6108

Pacific Transmission Supply Company  
#44-36 State  
Duchesne Co., Utah

I N D E X

|                                  | Page |
|----------------------------------|------|
| WELL DATA. . . . .               | 2    |
| WELL HISTORY . . . . .           | 4    |
| DEVIATION SURVEY . . . . .       | 6    |
| FORMATION TOPS . . . . .         | 7    |
| MUD CHECKS . . . . .             | 8    |
| BIT RECORD . . . . .             | 9    |
| DRILL STEM TEST RECORD . . . . . | 10   |
| LITHOLOGIC DESCRIPTIONS. . . . . | 12   |

WELL PROGNOSIS  
PTS #44-36 STATE  
Duchesne County, Utah

LOCATION: 784' from South line  
784' from East line  
SE SE Section 36, T8S, R15E, SLB&M  
Duchesne County, Utah

The PTS #44-36 State will be drilled as the initial well for the Treaty Boundary Unit.

OPERATOR: Pacific Transmission Supply Company

LEASE: State of Utah 21835

ELEVATION: 5834 Ungraded Ground

DRILLING CONTRACTOR: To be selected

FORMATION TOPS & DATUM:

| <u>Formation</u>  | <u>Depth</u> | <u>Datum</u> |
|-------------------|--------------|--------------|
| Green River       | 1702         | +4132        |
| Parachute Creek   | 2692         | +3142        |
| Garden Gulch      | 3954         | +1880        |
| Douglas Creek     | 4938         | +896         |
| Wasatch Formation | 6354         | -520         |
| Total Depth       | 6800         | -966         |

SAMPLE COLLECTION: Ten (10) foot samples from under surface to total depth. Samples will be collected by drilling crews for the wellsite geologist. Frequency of sample collection may be changed at geologist's discretion.

LOGGING PROGRAM: Dual Induction Laterolog, Borehole Compensated Sonic with Gamma Ray and Caliper, Compensated Neutron-Formation Density with Gamma Ray and Caliper.

MUD LOGGING: Portable mud logging unit operated by wellsite geologist. Mud logging unit to be in operation from below surface casing.

DRILLSTEM TESTING: All significant shows of oil and gas will be drillstem tested.

MUD PROGRAM:

| <u>Interval<br/>feet</u> | <u>Mud Weight<br/>lbs./gal.</u> | <u>Viscosity<br/>Sec./qt.</u> | <u>Fluid Loss<br/>Ml/30 mins.</u> | <u>Type</u>                 |
|--------------------------|---------------------------------|-------------------------------|-----------------------------------|-----------------------------|
| 0-500                    | 8.4-8.7                         | 26-29                         | N.C.                              | Water                       |
| 500-5000                 | 8.7-9.0                         | 26-29                         | N.C.                              | Salt Water<br>60-80,000 ppm |
| 5000-TD                  | 9.2-9.5                         | 34-45                         | 12 cc or less                     | Salt Mud<br>60,000 ppm      |

DRILLING PROGRAM:

- 1) Move in dry hole digger and set and cement 30' of 20" conductor.
- 2) Move in rotary tools. Drill 12¼" hole and set & cement 9-5/8", 36#, K-55 casing at +500'. WOC.
- 3) Drill out with 7-7/8" bit to total depth. Log and evaluate well.
- 4) In the event commercial production is indicated, run 4½", 10.5#, K-55 casing and cement across potential zones.
- 5) Release rig and develop completion procedure.

PERSONNEL & MAILING INFORMATION:

Dee E. Beardsley, Manager of Operations  
Pacific Transmission Supply Company  
P.O. Box 3093  
Casper, WY 82602  
Telephone: Office (307) 265-1027  
Home (307) 234-7666

E. E. Mulholland, Operations Engineer  
Pacific Transmission Supply Company  
P.O. Box 3093  
Casper, WY 82602  
Telephone: Office (307) 265-1027  
Home (307) 265-4191

R. J. Firth  
Pacific Transmission Supply Company  
64 East Main Street  
Vernal, UT 84078  
Telephone: Office (801) 789-4573  
Home (801) 789-5575

NOTIFICATION OF SHOWS, DST'S & UNUSUAL PROBLEMS:

|                  |                      |                    |
|------------------|----------------------|--------------------|
| Dee E. Beardsley | Office: 307-265-1027 | Home: 307-234-7666 |
| J. L. Wroble     | 303-571-1662         | 303-770-2667       |
| E. E. Mulholland | 307-265-1027         | 307-265-4191       |
| R. J. Firth      | 801-789-4573         | 801-789-5575       |
| George Olson     | 307-235-1311         | 307-234-3112       |
| R. D. Mathews    | 307-235-1311         | 307-265-2420       |

DISTRIBUTION OF INFORMATION:

Pacific Transmission Supply Company  
P.O. Box 3093  
Casper, WY 82602  
Attn: Mr. D. E. Beardsley

Pacific Transmission Supply Company  
64 East Main Street  
Vernal, UT 84078  
Attn: Mr. R. J. Firth

Pacific Transmission Supply Company  
633 - 17th Street, Suite 2140  
Denver, CO 80202  
Attn: Mr. J. L. Wroble

Gulf Oil Corporation  
P.O. Box 2619  
Casper, WY 82602  
Attn: Mr. George Olson

State of Utah  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116  
Attn: Mr. P. L. Driscoll

U. S. Geological Survey  
8426 Federal Building  
Salt Lake City, UT 84138  
Attn: Mr. E. W. Guynn

# LYNES, INC.

## Distribution of Final Reports

Operator Pacific Transmission Supply Co. Well Name and No. State 44-36

Original: Pacific Transmission Supply, P. O. Box 3093, Casper, Wyoming 82602

Attn: D. E. Beadsley

1 Copy: Pacific Transmission Supply, 633 17th Street, Suite 2140, Denver, Colo. 80202

Attn: J. L. Wrolde

1 Copy: State of Utah, Division of Oil, Gas & Mining, Salt Lake City, Utah 84116

Attn: P. L. Driscoll

1 Copy: Pacific Transmission Supply, 64 E. Main St., Vernal, Utah 84078

Attn: R. J. Firth

2 Copies: Gulf Oil Corp., P. O. Box 2619, Casper, Wyoming 82602

1 Copy: U. S. Geological Survey, 8426 Federal Building, Salt Lake City, Utah 84138

Attn: E. W. Guynn

M

Natural Gas  
Corporation of  
California

NGC NGC

March 11, 1983

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

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

Re: NGC #44-36 State  
SE SE Section 36, T.8S., R.15E.  
Duchesne County, Utah

Gentlemen:

Attached are copies of Form OGC-1b, Sundry Notices and Reports on Wells, Notice of Intention to Reopen an Abandoned Zone, for the subject well.

Yours truly,

*Wm Ryan*

W. A. Ryan

/kh

Attachment

cc: Operations  
E. R. Henry  
S. Furtado  
C. T. Clark (Cover Letter Only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS AND MINING  
DATE: 3/15/83  
BY: [Signature]

RECEIVED  
MAR 14 1983

DIVISION OF  
OIL, GAS & MINING

*Natural Gas  
Corporation of  
California*

NGC NGC

April 14, 1983

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

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

Re: ✓ NGC #44-36 State ✓  
SE SE Section 36, T.8S., R.15E.  
Duchesne County, Utah

Gentlemen:

Attached are copies of Form OGC-1b, Sundry Notices and Reports on Wells, Notice of Change of Operator, for the subject well.

Sincerely,

*Rick Canterbury* *pkh*

Rick Canterbury  
Associate Engineer

/kh

Attachment

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

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

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

19

**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.<br>ML-21835                            |
| 2. NAME OF OPERATOR<br>Natural Gas Corporation of California  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                       |
| 3. ADDRESS OF OPERATOR<br>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.)<br>At surface<br>784' FSL, 784' FEL, SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 36, T.8S., R.15E. |  | 8. FARM OR LEASE NAME<br>State   |
| 14. PERMIT NO.<br>43-013-30451  | 15. ELEVATIONS (Show whether DF, RT, OR, etc.)<br>5850' KB | 9. WELL NO.<br>44-36   |
|   |  | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat                                  |
|   |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 36, T.8S., R.15E. |
|   |  | 12. COUNTY OR PARISH   13. STATE<br>Duchesne   Utah                        |

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

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

Notification of change of operator for the subject well from Pacific Transmission Supply Company to Natural Gas Corporation of California.

RECEIVED  
APR 17 1983

DIVISION OF  
OIL, GAS & MINING

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

SIGNED Rich Carter, Sr. TITLE Associate Engineer DATE 4/14/83

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

cc: Div. OG&M; BLM (MMS); Operations; ERHenry; SFurtado; CTClark

\*See Instructions on Reverse Side

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

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>ML-21835                               |
| 2. NAME OF OPERATOR<br>Natural Gas Corporation of California  |  | 6. IF INDIAN, ALLOTTED OR TRIBE NAME  |
| 3. ADDRESS OF OPERATOR<br>85 South 200 East, Vernal, Utah 84078   |  | 7. UNIT AGREEMENT NAME  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)<br>At surface<br><br>784' FSL, 748' FEL, SE-SE Section 36, T.8S., R.15E. |  | 8. FARM OR LEASE NAME<br>State  |
| 14. PERMIT NO.<br>43-013-30451  |  | 9. WELL NO.<br>#44-36   |
| 15. ELEVATIONS (Show whether DF, RT, OR, etc.)<br>5850' KB  |  | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat                                     |
|   |  | 11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA<br>Section 36, T.8S., R.15E. |
|   |  | 12. COUNTY OR PARISH<br>Duchesne  |
|   |  | 13. STATE<br>Utah   |

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

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

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

Operator reports that an attempt was made on the referenced well to complete it as a producing oil well, as requested, by Sundry Notice dated 3/11/83. Unfortunately, the well is not a paying oil well. The well was placed on production 6/1/83 and the average daily production has declined from 11.4 BPD to 5.38 BPD.

Operator requests permission to remove production equipment and requests that this well be returned to the status of a shut in gas well.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 8/20/83  
BY: [Signature]

18. I hereby certify that the foregoing is true and correct  
SIGNED: William A. Ryan TITLE: Petroleum Engineer DATE: 8/20/83  
(This space for Federal or State office use)

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

cc: Div. OG&M; BLM (MMS); Operations, ERHenry; SFurtado; CTClark

*Natural Gas  
Corporation of  
California*

RECEIVED  
SEP 20 1983

NGC NGC

DIVISION OF  
OIL, GAS & MINING

September 20, 1983

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

Chief, Branch of Fluid Minerals  
Utah State Office  
Bureau of Land Management  
University Club Building  
136 East South Temple  
Salt Lake City, UT 84111

Re: NGC #44-36 State  
SE SE Section 36, T.8S., R.15E.  
Duchesne County, Utah

Gentlemen:

Attached are copies of Form OGC-1b, Sundry Notices and Reports on Wells, Notice of Intention to Remove Production Equipment, for the subject well.

Sincerely,

*William A. Ryan*

William A. Ryan  
Petroleum Engineer

/ln

Attachment

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

M

*Natural Gas  
Corporation of  
California*

NGC NGC

September 26, 1983

RECEIVED  
SEP 27 1983

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

DIVISION OF  
OIL, GAS & MINING

Chief, Branch of Fluid Minerals  
Utah State Office  
Bureau of Land Management  
University Club Building  
136 East South Temple  
Salt Lake City, UT 84111

Re: NGC #44-36 State  
SE SE Section 36, T.8S., R.15E.  
Duchesne County, Utah

Gentlemen:

Attached are copies of Form OGC-1b, Sundry Notices and Reports on Wells, Subsequent Report of Reopening an Abandoned Zone, and Notice of Intention to Plug Back and Shut in Well.

Sincerely,

*Rick Canterbury*

Rick Canterbury  
Associate Engineer

/kh

Attachment

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

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

|  |
|--|
| 5. LEASE DESIGNATION AND SERIAL NO.<br>ML-21835 ✓                          |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                       |
| 7. UNIT AGREEMENT NAME   |
| 8. FARM OR LEASE NAME<br>State   |
| 9. WELL NO.<br>44-36   |
| 10. FIELD AND POOL, OR WILDCAT<br>Wildcat                                  |
| 11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA<br>Sec. 36, T.8S., R.15E. |
| 12. COUNTY OR PARISH<br>Duchesne   |
| 13. STATE<br>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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  |  |
| 2. NAME OF OPERATOR<br>Natural Gas Corporation of California  |  |
| 3. ADDRESS OF OPERATOR<br>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.)<br>At surface<br>784' FSL and 784' FEL (SE $\frac{1}{4}$ SE $\frac{1}{4}$ ) of Section 36, T.8S., R.15E. |  |
| 14. PERMIT NO.<br>43-013-30451  | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>5834' GL |

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

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

(Other) Plug Back and Shut in Well

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

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

Operator proposes to plug back the subject well by the following procedure:

- 1) MIRU workover rig. Remove horse's head. Kill well w/hot water to remove heavy oil. POH w/rods and pump.
- 2) ND wellhead and release tubing anchor. Put on BOP's. POH w/tubing and anchor.
- 3) RU wireline unit and set CIBP at approximately 5000'. Dump 2 sx of cement on top of cast iron bridge plug. RD wireline unit.
- 4) RIH w/tubing and RTTS and test casing and CIBP. Perfs. 5108'-14'
- 5) Take off BOP's and put on "KTH" wellhead. 5636'-52'
- 6) RU swab unit. Swab well down to seat nipple. Put on tubing adapter and ball valve.
- 7) Release rig and shut in well.

Request well status be reclassified as shut in gas well rather than producing oil well.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

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

SIGNED Rich Canterbury TITLE Associate Engineer DATE Sept. 26, 1983  
Rick Canterbury

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

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

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

|  |
|--|
| 5. LEASE DESIGNATION AND SERIAL NO.<br>ML-21835                            |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                       |
| 7. UNIT AGREEMENT NAME   |
| 8. FARM OR LEASE NAME<br>State   |
| 9. WELL NO.<br>44-36   |
| 10. FIELD AND POOL, OR WILDCAT<br>Wildcat                                  |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 36, T.8S., R.15E. |
| 12. COUNTY OR PARISH<br>Duchesne   |
| 13. STATE<br>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  
784' FSL and 784' FEL (SE $\frac{1}{4}$  SE $\frac{1}{4}$ ) of Section 36, T.8S., R.15E.

14. PERMIT NO.  
43-013-30451

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
5834' GL

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

| NOTICE OF INTENTION TO:                      |   | SUBSEQUENT REPORT OF:   |  |
|--|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>   | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>      | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>    | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>  | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) Reopening an abandoned zone <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 following is a summary of the work completed under the Sundry Notice submitted 3/11/83 requesting permission to reopen an abandoned zone:

- PBTD 5729.
- 5636-52: Acidize w/2000 gal. 7 $\frac{1}{2}$ % HCL and 5000 gal. 15% Mud 202 acid w/750 SCF/bbl. Na<sub>2</sub>.
- 5108-14: Acidize w/1500 gal. 7 $\frac{1}{2}$ % HCL.
- 2942-48, 2958-68: Acidize w/2500 gal. 7 $\frac{1}{2}$ % HCL.
- 5636-52: Frac w/90,000# 20/40 sand and fluid ISIP 2000#.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

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

SIGNED Rick Canterbury TITLE Associate Engineer DATE Sept. 26, 1983

(This space for Federal or State office use)

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

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

# LYNES, INC.

Operator Pacific Transmission Supply Lease & No. State 44-36 DST No. 3  
Co.

Recorder No. 3697 @ 5121'

## Initial Shut-In

|        |           |
|--------|-----------|
| 0 min. | 110 psig. |
| 3 "    | 113 "     |
| 6 "    | 117 "     |
| 9 "    | 126 "     |
| 12 "   | 134 "     |
| 15 "   | 143 "     |
| 18 "   | 153 "     |
| 21 "   | 163 "     |
| 24 "   | 170 "     |
| 27 "   | 179 "     |
| 30 "   | 186 "     |

## Final Shut-In

|        |           |
|--------|-----------|
| 0 min. | 116 psig. |
| 18 "   | 140 "     |
| 36 "   | 175 "     |
| 54 "   | 208 "     |
| 72 "   | 242 "     |
| 90 "   | 271 "     |
| 108 "  | 300 "     |
| 126 "  | 327 "     |
| 144 "  | 355 "     |
| 162 "  | 381 "     |
| 180 "  | 406 "     |

Contractor T.W.T. Expl. Inc. Top Choke 1/4"  
 Rig No. 6 Bottom Choke 3/4"  
 Spot -- Size Hole 7 7/8"  
 Sec. 36 Size Rat Hole --  
 Twp. 8 S Size & Wt. D. P. 4 1/2" 16.60  
 Rng. 15 E Size Wt. Pipe --  
 Field Wildcat I. D. of D. C. 2 3/8"  
 County Duchesne Length of D. C. 467'  
 State Utah Total Depth 5181'  
 Elevation 5850' "K.B." Interval Tested 5111-5181'  
 Formation Green River Type of Test Bottom Hole  
Conventional

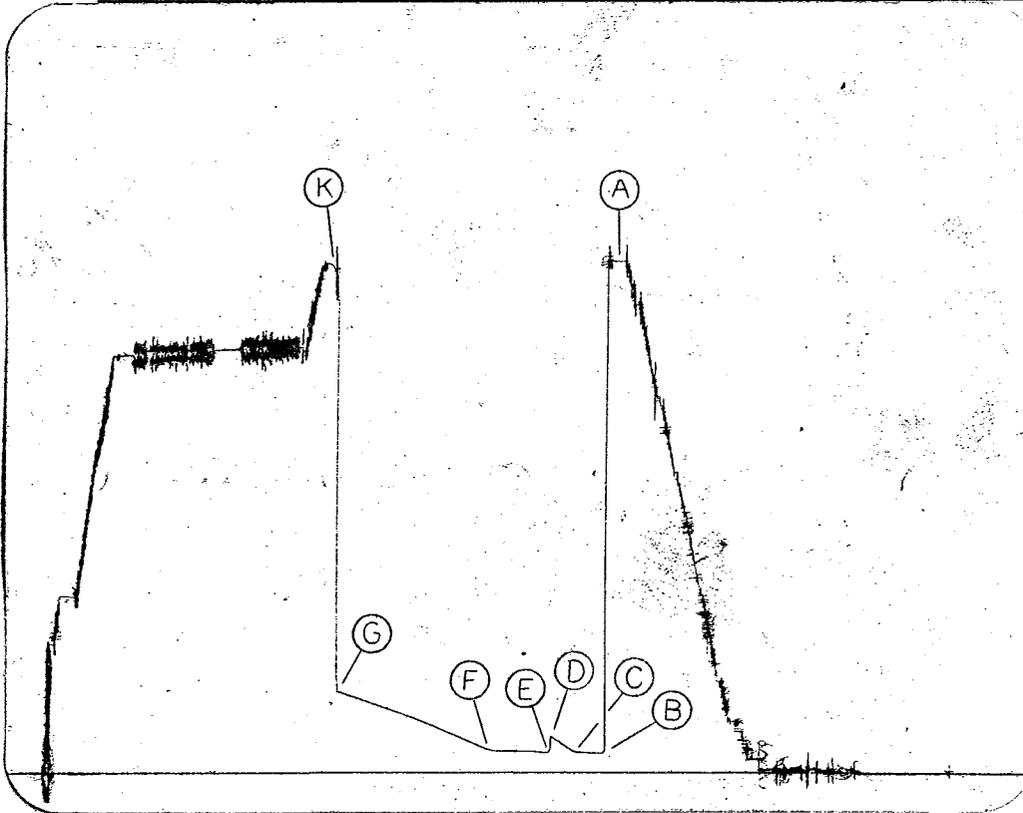
Flow No. 1 30 Min.  
 Shut-in No. 1 30 Min.  
 Flow No. 2 60 Min.  
 Shut-in No. 2 180 Min.  
 Flow No. 3 -- Min.  
 Shut-in No. 3 -- Min.  
 Bottom Hole Temp. 162°F  
 Mud Weight 9.2  
 Gravity --  
 Viscosity 26

Tool opened @ 9:20 PM.

**Inside Recorder**

|                     |                    |                                 |
|---------------------|--------------------|---------------------------------|
| PRD Make            | <u>Kuster AK-1</u> |                                 |
| No.                 | <u>3697</u>        | Cap. <u>3700</u> @ <u>5121'</u> |
|                     | Press              | Corrected                       |
| Initial Hydrostatic | <u>A</u>           | <u>2467</u>                     |
| Final Hydrostatic   | <u>K</u>           | <u>2459</u>                     |
| Initial Flow        | <u>B</u>           | <u>105</u>                      |
| Final Initial Flow  | <u>C</u>           | <u>110</u>                      |
| Initial Shut-in     | <u>D</u>           | <u>186</u>                      |
| Second Initial Flow | <u>E</u>           | <u>110</u>                      |
| Second Final Flow   | <u>F</u>           | <u>116</u>                      |
| Second Shut-in      | <u>G</u>           | <u>406</u>                      |
| Third Initial Flow  | <u>H</u>           | <u>--</u>                       |
| Third Final Flow    | <u>I</u>           | <u>--</u>                       |
| Third Shut-in       | <u>J</u>           | <u>--</u>                       |

Lynes Dist.: Rock Springs, Wyo  
 Our Tester: Bill Alford  
 Witnessed By: Harold E. Hutton



Did Well Flow -- Gas No Oil No Water No  
 RECOVERY IN PIPE: 166' Total Fluid  
26' Water = .13 bbl.  
140' Water cut condensate = .69 bbl.

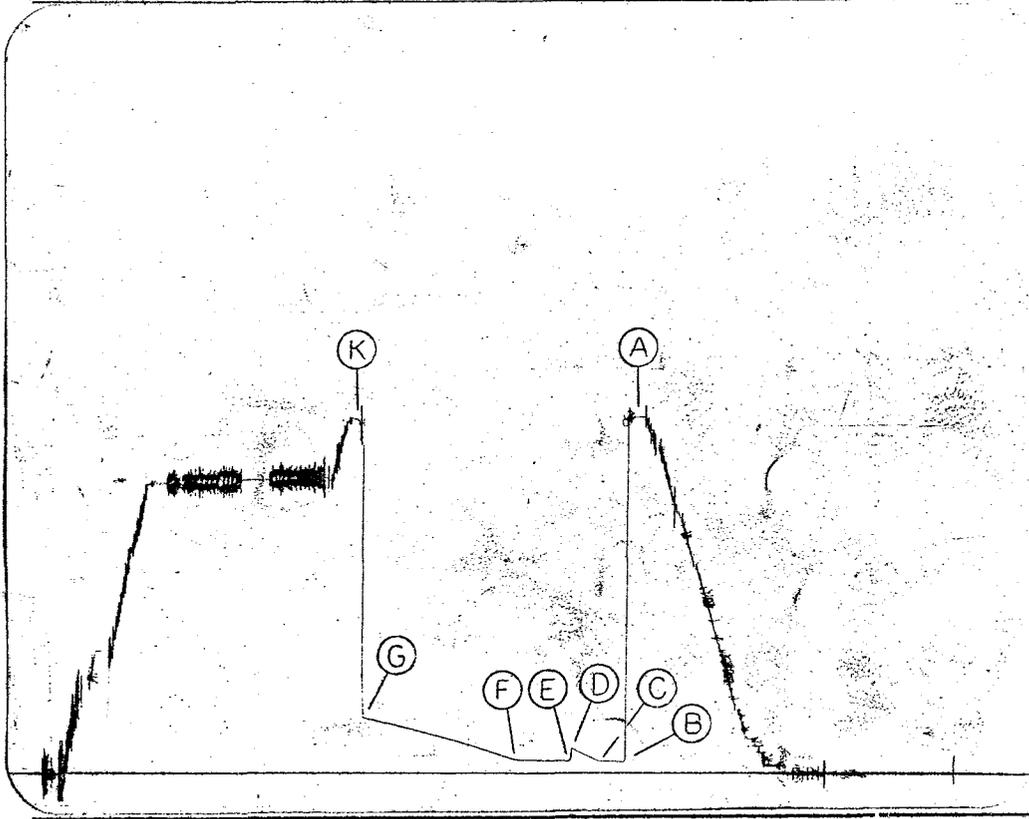
REMARKS:  
 -----  
 1st Flow - Tool opened with weak blow, increased to bottom of bucket in 11 minutes and continued to increase thru remainder of flow period.  
 -----  
 2nd Flow - Tool opened with a weak blow, increased to bottom of bucket in 3 minutes and remained thru flow period.  
 -----

Operator Pacific Transmission Supply Co. Well Name and No. State 44-36  
 Address See Distribution Ticket No. 10415 Date 8-2-78  
 No. Final Copies 7 DST No. 3

# LYNES, INC.

Operator Pacific Transmission Supply Co. Lease & No. State 44-36

DST No. 3

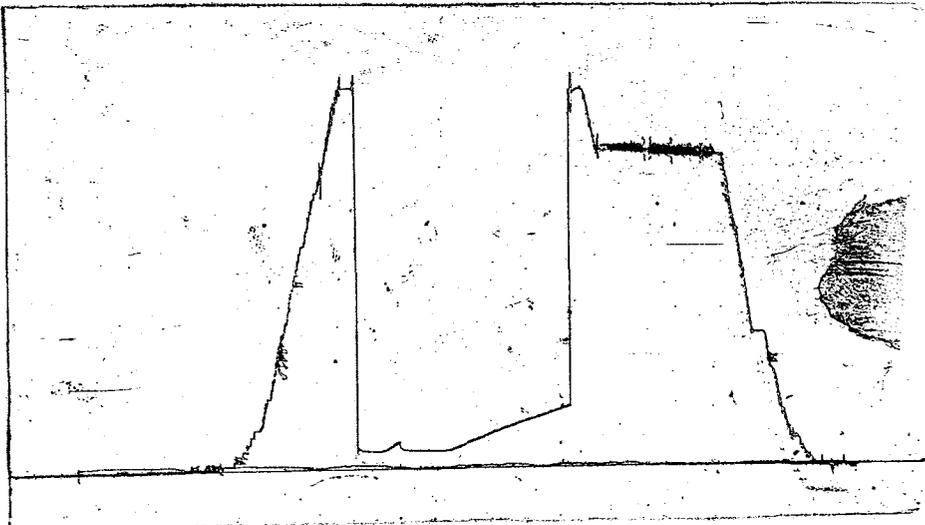


### Inside Recorder

PRD Make Kuster AK-1  
 No. 3604 Cap. 5300 @ 5116'  
 Press Corrected

| Press                 | Corrected |
|-----------------------|-----------|
| Initial Hydrostatic A | 2452      |
| Final Hydrostatic K   | 2448      |
| Initial Flow B        | 97        |
| Final Initial Flow C  | 101       |
| Initial Shut-in D     | 178       |
| Second Initial Flow E | 101       |
| Second Final Flow F   | 107       |
| Second Shut-in G      | 396       |
| Third Initial Flow H  | ---       |
| Third Final Flow I    | ---       |
| Third Shut-in J       | ---       |

Pressure Below Bottom Packer Bled To



### Outside Recorder

PRD Make Kuster K-3  
 No. 9987 Cap. 3000 @ 5181'  
 Press Corrected

| Press                 | Corrected |
|-----------------------|-----------|
| Initial Hydrostatic A | 2481      |
| Final Hydrostatic K   | 2477      |
| Initial Flow B        | 99        |
| Final Initial Flow C  | 113       |
| Initial Shut-in D     | 172       |
| Second Initial Flow E | 113       |
| Second Final Flow F   | 118       |
| Second Shut-in G      | 397       |
| Third Initial Flow H  | ---       |
| Third Final Flow I    | ---       |
| Third Shut-in J       | ---       |

Pressure Below Bottom Packer Bled To

# LYNES, INC.

## Fluid Sample Report

Company Pacific Transmission Supply Co. Date 8-2-78  
Well Name & No. State 44-36 Ticket No. 10415  
County Duchesne State Utah  
Test Interval 5111-5181' DST No. 3

Total Volume of Sampler: 2100 cc.

Total Volume of Sample: 1500 cc.

Pressure in Sampler: 0 psig

Oil: None cc.

Water: 1500 Condensate cut water cc.

Mud: None cc.

Gas: None cu. ft.

Other: None

R.W. .06 @ 75°F = 130,000 ppm.chl.

### Resistivity

Make Up Water 10.0 @ 70°F of Chloride Content 525 ppm.

Mud Pit Sample .05 @ 80°F of Chloride Content 150,000 ppm.

Gas/Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F

Where was sample drained On location

Remarks: Recovery: Top Sample - R.W. .06 @ 70°F = 140,000 ppm.chl.

Middle Sample - R.W. .06 @ 75°F = 130,000 ppm.chl.

Bottom Sample - R.W. .05 @ 75°F = 165,000 ppm.chl.

WELL DATA

Operator: Pacific Transmission Supply Company

Well Name: #44-36 State

Legal Location: 784 FSL-784 FEL, SE SE, Sec. 36, T. 8S, R. 15E, SLB&M

County and State: Duchesne County, Utah

Elevations: 5834 GR 5849 DF 5850 KB

Contractor: TWF Exploration

Equipment: Rig 6 - Texas Flange Company - Auto Driller  
Bill Young, Tool Pusher

Commenced: 6:30 P.M. - 7/18/78 - Spud

Surface Casing: 32' Conductor pipe set before rig up with dry hole digger.  
9 5/8" @ 511' K. B. with 275 sacks grade G 2% calcium  
chloride.

Production Casing: 4½" @ 5816' with 175 sacks RSC and 100 sacks class G  
1st stage and with 175 sacks RSC 2nd stage @ 3091'

Hole Size: 12¼" to 511, 7 7/8" 511 - 7165'

Drilling Fluid: Contractor: Magobar - Salt Water

Drill Stem Tests: DST #1 2911' - 2956' DST #4 5640' - 5660'  
DST #2 4587' - 4645' DST #5 5640' - 5660'  
DST #3 5111' - 5181' DST #6 5636' - 5664'

Logging: Schlumberger: Dual Induction Laterolog 511' - 7156'  
BH Compensated Neutron  
Formation Density  
Gamma Ray - Caliper 513' - 7160'  
BH Compensated - Sonic  
Gamma Ray Caliper 510' - 7150' with "F"  
log overlay  
Magnetic Taping

Mud Logging: Tooke Portable Unit manned by Well Site Geologist

Cores: None

Core Analysis: None

Drilling Time: Totco

Pacific Transmission Supply Company  
 State 44-36  
 Duchesne County, Utah

MUD CHECKS

| Date<br>1978 | Depth<br>Checked | Weight | Vis. | Water<br>Loss | pH   | Filter<br>Cake | Plastic<br>Vis. | Yield<br>Point | Remarks          |              |
|--------------|------------------|--------|------|---------------|------|----------------|-----------------|----------------|------------------|--------------|
|              |                  |        |      |               |      |                |                 |                | Salt PPM         | Chromate PPM |
| 7-19         | FRESH WATER      |        |      |               |      |                |                 |                |                  |              |
| 7-20         | "                | "      |      |               |      |                |                 |                |                  |              |
| 7-21         | "                | "      |      |               |      |                |                 |                |                  |              |
| 7-22         | "                | "      |      |               |      |                |                 |                |                  |              |
| 7-23         | "                | "      |      |               |      |                |                 |                |                  |              |
| 7-24         | "                | "      |      |               |      |                |                 |                |                  |              |
| 7-25         | "                | "      |      |               |      |                |                 |                |                  |              |
| 7-26         | 2915             | 8.6    | 26   | NC            | 10.3 | ---            | ---             | ---            | 8,000            | 600          |
| 7-26         | 2958             | 9.4    | 26   | NC            | 10.3 | ---            | ---             | ---            | 36,000           | 700          |
| 7-27         | 3286             | 9.3    | 28   | NC            | 8.2  | ---            | ---             | ---            | 50,000           | 1,100        |
| 7-28         | 3797             | 9.3    | 26   | NC            | 8.6  | ---            | ---             | ---            | 50,000           | 800          |
| 7-29         | 4177             | 9.3    | 27   | NC            | 9.0  | ---            | ---             | ---            | 40,000           | 800          |
| 7-30         | 4588             | 9.3    | 27   | NC            | 9.6  | ---            | ---             | ---            | 60,000           | 900          |
| 7-31         | 4645             | 9.4    | 26   | NC            | 10.1 | ---            | ---             | ---            | 60,000           | 1,000        |
| 8- 1         | 4909             | 9.4    | 26   | NC            | 10.1 | ---            | ---             | ---            | 70,000           | 1,000        |
| 8- 2         | 5181             | 9.4    | 26   | NC            | 9.6  | ---            | ---             | ---            | 60,000           | 2,000        |
| 8- 3         | 5181             | 9.2    | 27   | NC            | 8.5  | ---            | ---             | ---            | 40,000           | 800          |
| 8- 4         | 5716             | 9.3    | 27   | NC            | 10.0 | ---            | ---             | ---            | 50,000           | 1,100        |
|              |                  |        |      |               |      |                |                 |                | Mudded up @ 5950 |              |
| 8- 5         | 6059             | 9.2    | 28   | 14.0          | 9.2  | 2/32           | ---             | ---            | 40,000           | 1,100        |
| 8- 6         | 6349             | 9.3    | 27   | 13.5          | 9.8  | 2/32           | ---             | ---            | 45,000           | 1,000        |
| 8- 7         | 6492             | 9.2    | 28   | 15.2          | 10.4 | 2/32           | ---             | ---            | 35,000           | 1,100        |
| 8- 8         | 6676             | 9.3    | 27   | 13.5          | 14.5 | 2/32           | ---             | ---            | 35,000           | 1,400        |
| 8- 9         | 6881             | 9.4    | 28   | 13.5          | 10.0 | 2/32           | ---             | ---            | 35,000           | 1,000        |
| 8-10         | 7070             | 9.3    | 28   | 14.0          | 10.5 | 2/32           | 4               | 1              | 50,000           | 1,000        |
| 8-11         | 7165             | 9.5    | 35   | 13.5          | 10.0 | 2/32           | 6               | 3              | 50,000           | 1,000        |
| 8-12         | 7165             | 9.5    | 35   | 13.5          | 10.0 | 2/32           | 6               | 3              | 50,000           | 1,000        |

Last Magcobar Engineer Mud Check

WELL DATA

Total Depth: 7165 Geolograph - 7162' SLM - 7164' Logger  
Ceased Drilling: 9:00 P.M. - 8/10/78  
Samples Delivered: Via Tooke Engineering to AmStrat Casper 500-6490-8/7/78  
Sample Intervals: 0-2300 - 30' samples, 2300 - TD, 10' samples  
Geologist: H. E. Hutton - Consulting Geologist  
Earl Staley - Arrow Operating Co., - Company Rep.  
Status: Awaiting Completion - Rig Released 8/17/78.

WELL HISTORY

| <u>Date</u> | <u>Drilled To:</u> | <u>Hrs. Drlg.</u> | <u>Activity</u>   |
|-------------|--------------------|-------------------|---|
| 7-18-78     | 42                 | 2                 | Spudded 6:30 P.M. 7/18/78<br>Finished Rig Up  |
| 7-19-78     | 241                | 23                | Drilling - Dev. Surveys   |
| 7-20-78     | 511                | 11½               | Drilling - Trips - Run Surface Casing-<br>WOC - Nipple Up   |
| 7-21-78     | 511                | ---               | Nipple Up - Pressure Up<br>Wait on Different Stack  |
| 7-22-78     | 620                | ¾                 | Wait on Stack - Nipple Up - Pressure<br>Test - Drilling Cement and Shoe -<br>Drilling.                                  |
| 7-23-78     | 1598               | 23½               | Drilling - Dev. Surveys   |
| 7-24-78     | 2394               | 22 ¾              | Drilling - Dev. Surveys   |
| 7-25-78     | 2956               | 16 ¾              | Drilling - Circulating Gas Show<br>WO Tester  |
| 7-26-78     | 3016               | 5 ¾               | Trips DST #1 - DST #1 - Drilling  |
| 7-27-78     | 3473               | 23½               | Drilling  |
| 7-28-78     | 3945               | 23 ¾              | Drilling  |
| 7-29-78     | 4379               | 23 ¾              | Drilling  |
| 7-30-78     | 4631               | 10 ¾              | Drilling - Trip Bit 2 Out, Bit 3 In -<br>Drilling - Circulate DST #2<br>SIM Corr. from 4631' to 4645'                   |
| 7-31-78     | 4695               | ¾                 | Trips for DST #2 - DST #2 - Drilling  |
| 8-1-78      | 5060               | 20¼               | Drilling - WO Orders  |
| 8-2-78      | 5181               | 7                 | Drilling - circulate and trip DST #3-<br>DST #3   |
| 8-3-78      | 5364               | 10                | Complete DST #3 - Trips - Drilling  |
| 8-4-78      | 5845               | 22 ¾              | Drilling  |
| 8-5-78      | 6296               | 23½               | Drilling  |
| 8-6-78      | 6469               | 23 ¾              | Drilling - Sledge Head In Hole at 6351  |
| 8-7-78      | 6560               | 5                 | Drilling - Trip Bit 3 Out - Build<br>Fishing Tools - Fish Sledge Head Out<br>Finish Tripping Bit 3 Out - Trip Bit #4 In |

WELL HISTORY (continued)

| <u>Date</u> | <u>Drilled To:</u> | <u>Hrs. Drlg.</u> | <u>Activity</u>  |
|-------------|--------------------|-------------------|--|
| 8-8-78      | 6785               | 20½               | Drilling - Dead Engine   |
| 8-9-78      | 6992               | 23 3/4            | Drilling   |
| 8-10-78     | 7165               | 20 3/4            | Drilling - C & C For Logs  |
| 8-11-78     | 7165               | ---               | Logging Trips - Logging<br>Geolograph 7165' = 7162' SLM<br>= 7164 Schlumberger |
| 8-12-78     | 7165               | ---               | W.O. Orders - Trips for DST - DST #4   |
| 8-13-78     | 7165               | ---               | Trips Misrun DST #4 - Go thru test tools -                                     |
| 8-14-78     | 7165               | ---               | Trips - DST #5 - Failed - W.O. New test<br>tools.                              |
| 8-15-78     | 7165               | ---               | Trips - DST #6 - Hit Crown pulling DST -<br>Repairs                            |
| 8-16-78     | 7165               | ---               | Running Production Casing  |
| 8-17-78     | 7165               | ---               | Released Rig   |

DEVIATION SURVEY

| <u>Deviation</u> | <u>Depth</u> | <u>Deviation</u> | <u>Depth</u> |
|------------------|--------------|------------------|--------------|
| 3/4              | 87           | 3/4              | 2659         |
| 1/2              | 211          | 3/4              | 2956         |
| 3/4              | 511          | 1                | 3500         |
| 1/4              | 1000         | 1 1/2            | 4580         |
| 3/4              | 1516         | Misrun           | 5181         |
| 1/4              | 1830         | 1                | 6492         |
| 1/4              | 2060         | 1                | 7165         |
| 1                | 2416         |                  |              |

Pacific Transmission Supply Company  
State 44-36  
Duchesne County, Utah

FORMATION TOPS

| <u>FORMATION</u>                       | <u>LOG DEPTH</u> | <u>DATUM (5850 KB)</u> |
|--|------------------|------------------------|
| Tertiary Green River                   | 1728'            | +4122'                 |
| Tertiary Green River - Parachute Creek | 2823'            | +3027'                 |
| Tertiary Green River - Garden Gulch    | 3964'            | +1886'                 |
| Tertiary Green River - Douglas Creek   | 4851'            | + 999'                 |
| Tertiary Green River - Tounge          | 6188'            | - 338'                 |
| Tertiary Wasatch                       | 6312'            | - 462'                 |

Pacific Transmission Supply Company  
State 44-36  
Duchesne County, Utah

BIT RECORD

| BIT NO. | MFGR. | SIZE INCHES      | BIT TYPE | DEPTH OUT | FOOTAGE | FT / HR | HOURS             | 1000# WEIGHT | PUMP PRESS | ROTARY RPM | REMARKS         |
|---------|-------|------------------|----------|-----------|---------|---------|-------------------|--------------|------------|------------|-----------------|
| 1RR     | HTC   | 12 $\frac{1}{4}$ | J33      | 511       | 479     |         | 34 $\frac{1}{4}$  | 41           | 500        | 65         |                 |
| 2       | STC   | 7 7/8            | F45      | 4580      | 4069    | 27.2    | 150               | 40           | 600        | 60         |                 |
| 3       | STC   | 7 7/8            | F45      | 6492      | 1912    | 16.6    | 115 $\frac{1}{4}$ | 40           | 800        | 60         |                 |
| 4       | STC   | 7 7/8            | F 3      | 7165      | 673     | 9.4     | 71 $\frac{1}{2}$  | 40           | 700        | 60         | Pulled For Logs |

LITHOLOGIC DESCRIPTIONS

- 0-511 No Samples
- 500- 560 Cement contaminated from surface casing.
- 560- 590 Mostly cement with very minor dark brown to tan, microcrystalline limestone.
- 590- 620 Siltstone, dark gray to brown, shaly and cement, as above.
- 620- 710 Siltstone grading to sandstone (80-90), medium to light gray, fine to very fine, sub-round, poorly consolidated to loose and limestone, light pink tan, cryptocrystalline, dense, tight with slight dull yellow fluorescence with very very minor black gray claystone with trace of pyrite.
- 710- 740 Siltstone (50) to sandstone, medium to light gray, fine to very fine, sub-round, poorly consolidated to loose and limestone, dark brown to tan, "marly", shaly, dolomitic in part with minor blue-gray to dark gray claystone, dull yellow fluorescence in light tan limestone, "oilshales".
- 740- 770 As above with increased "marly" limestone, "oilshales".
- 770- 800 Siltstone to sandstone (80), medium to light gray, fine to very fine, medium grains, sub-round, poorly consolidated to loose with dark accessories and very minor trace of gilsonite with "marly" limestone.
- 800- 830 As above with increased "marlstone."
- 830- 890 As above with black gray to dark gray siltstone, soft and sandstone and marlstone.
- 890- 980 Shaly siltstone (40), dark gray to medium gray, sandy in part with trace of gilsonite (30 to 50), and marlstone (60), light tan to dark brown, dolomitic to limy, "oilshales", with dull yellow fluorescence (40) with minor sandstone as above with bright green fragments of unidentifiable contamination.
- 980-1160 Sand, light gray to frosty, very fine to fine, sub-round, loose quartz sand grains with very few brown to dark gray accessories, mica flakes with trace only of gray clay, recirculated (?) with admixed tan limestone.
- 1160-1280 Sand, light gray to frosty, very fine to fine, sub-round, loose quartz sand grains with trace of mica and very minor claystone, light to dark gray to brown, silty, recirculated (?) with admixed light tan limestone.

- 1280-1310 Claystone, brown to light gray with minor reddish brown, silty with sandstone as above with loose, marly, light to dark brown "oilshale", silty, dolomitic to limy.
- 1310-1340 \*Siltstone and claystone, light green gray to pink to brown and sandstone, black, fine to very fine, sub-round, loose, saturated with asphalt, dull greenish yellow fluorescence, sticky, asphalt odor, bright yellow fluorescent cut with trace of gilsonite and with "marlstone", dark olive brown, "oilshale", shaly, limy to dolomitic.  
Good show and fair porosity.
- 1340-1370 Decreased asphalt show and claystone, sticky, pink, light green gray, silty.
- 1370-1400 Siltstone, light blue green gray, very fine to fine, some good clay content (60) grading to sandstone, white to black green gray, very fine to fine, sub-round, friable and limestone, light tan to dark, cryptocrystalline.
- 1400-1430 Sandstone<sup>(50)</sup>, brown to black, fine to very fine, sub-round, loose asphalt shale as above and abundance gilsonite with few loose quartz sand grains, and with limestone, tan as above and siltstone and claystone (40), black green gray to pink, very fine.
- 1430-1490 Decreased asphalt (75), predominately pink to blue green gray siltstone and claystone with some admixed sandstone (10), white to light gray, fine to very fine, sub-round, friable to loose and limestone (10) light tan to dark brown, marly with still abundance of gilsonite (5).
- 1490-1550 Siltstone and claystone (45), green gray to dark gray to reddish brown, very fine, sub-round, tight, limy and sandstone (5+), medium gray, fine to very fine, sub-round, loose to friable limestone, tan, cryptocrystalline with minor gilsonite.
- 1550-1580 As above with slightly increased sandstone (10).
- 1580-1640 Sandstone (90), medium to dark medium gray, fine to very fine, sub-round, loose, frosty quartz grains with some slight clay matrix with admixed limestone, light pink tan, cryptocrystalline and siltstone to claystone as above.
- 1640-1680 Sandstone as above (80) with limestone, dark brown, silty, "marlstone" to "oilshale", limy to dolomitic.
- 1680-1710 Sandstone, medium gray to light gray, fine to very fine, sub-round, friable to loose, with some siltstone, claystone and limestone, tan cryptocrystalline.
- Top 1710

- 1710-1740 Sandstone (50) as above and limestone dark brown "marlstone", "oilshale", silty, shaly, limy to dolomitic with dull yellow "oilshale" fluorescence.
- 1740-1770 As above with greatly increased "oil shale marlstone".
- 1770-1830 "Marlstone to oil shale", dark brown, silty, shaly, dolomitic and light tan, cryptocrystalline, limy with very minor sandstone, siltstone and claystone as above.
- 1830-1860 No sample.
- 1860-1920 "Marlstone oil shale" (50), dark brown, silty, shaly, dolomitic to light tan (10), cryptocrystalline, limy and sandstone, medium to light gray, fine to very fine, sub-round, friable to loose, as above.
- 1920-2020 No samples. Sample catcher screwed up badly. Also, going down the road, samples were misnumbered and missing.
- 2020-2050 Sandstone (80), gray to tan, fine to very fine, sub-round, loose and "marlstone" dark brown to light tan, limy to dolomitic, silty.
- 2050-2080 Siltstone to claystone, red to blue green, calcareous to non-calcareous, and limestone, light tan, microcrystalline to cryptocrystalline.
- 2080-2200 "Marlstone", dark brown to light tan, shaly to silty, firm, limy to dolomitic, dull yellow organic fluorescence in most with some very minor admixed gray siltstone.
- 2200-2260 No samples.
- 2260-2300 "Marlstone" dark to light brown as above and sandstone, light tan to gray, very fine to fine, sub-round, loose.
- 2300-2330 "Marlstone" (75), dark brown to light tan, silty to shaly, limy to dolomitic with admixed siltstones, varicolored and claystone, varicolored.
- 2330-2340 Siltstone to sandstone (80), dark gray, very fine to fine, sub-round, firm, limy.
- 2340-2400 Siltstone (50) as above with marlstone (50), dark brown to light tan, silty to shaly, limy to dolomitic with marlstone fluorescence.
- 2400-2420 Predominately "marlstone" (60), dark brown, silty, shaly, dolomitic with admixed light tan to brown, limy, marlstone and some green gray siltstone (15).

- 2420-2450 "Marlstone" as above but predominately dark gray siltstone to sandstone and claystone, very fine, firm, tight, limy (marlstone fluorescence).
- 2450-2470 As above with some siltstone grading to sandstone, very fine to fine.
- 2470-2500 As above with gilsonite fragments.
- 2500-2570 Siltstone to sandstone (80), dark gray, very fine, sub-round, dense and claystone with "marlstone", dark brown to light tan, silty to shaly, dolomitic to limy with marlstone fluorescence.
- 2570-2690 "Marlstone", dark brown to light tan, silty to shaly, limy to dolomitic, marlstone dull yellow organic fluorescence with occasional very rare trace of sandstone, light gray, fine to very fine, sub-round, dense.
- 2700-2800 "Marlstone" (90), dark brown to lighter tan, silty to shaly, limy to dolomitic, fairly sandy with some shaly siltstone, dark gray to green gray, very fine, sub-round, firm, limy and trace of sandstone.
- 2700-2900 Very poor samples.
- 2800-2900 "Marlstone", dark brown gray with some lighter tan, silty to shaly to very sandy in part, limy to dolomitic, good to fair "kerogen" (?) content with some dull yellow marlstone fluorescence and very rare trace of pyrite.
- 2900-2910 Marlstone (80) as above, very sandy and with loose, very fine to fine, sub-round, sand grains (20).
- 2910-2930 "Marlstone" (80), dark brown to light tan, silty to shaly, limy to dolomitic and sandstone, tan gray, fine, sub-round, loose with marlstone fluorescence with slight gold cut fluorescence from sand grains, "marlstone" is sandy in part and it is quite difficult to be sure cut is not obtained from marlstone.
- Good Show  
Fair to good  
Porosity
- 2930-2940 Marlstone (60%) (½ sandy), 40% loose, limy, sand grains, good porosity probably as loose sand grains are present.
- 2940-2950 As above with slightly decreased sand grains.  
Show should probably be classified as coming from a marly sandstone or sandy marlstone.
- 2950-2980 As above with abundance sand grains, sandstone (60), marlstone (40).
- 2980-2990 As above but slightly less sandy (40) and with increased Kerogen (?), rich marlstone (60) with some "marlstone" fluorescence.

- 2990-3000 Sandstone to sandy marlstone, dark brown, fine to very fine, sub-round, loose to friable, good porosity as above in show.
- 3000-3020 Siltstone (80) to claystone, varicolored, firm, dense, very fine, limy and marlstone, light tan, limy, cryptocrystalline with marlstone fluorescence, predominately green gray.
- 3020-3030 Sandy marlstone (80) and sandstone, dark to medium brown, fine to very fine, sub-round, mostly loose and porous.
- 3030-3050 Slightly less sandy with some "Kerogen" (?) noticeable.
- 3050-3080 Marly sandstone (90) or sandy marlstone, dark to medium brown, loose to friable with some scattered platy "Kerogen?" rich marlstone.
- 3080-3130 Sandstone as above (25), and marlstone (25) as above with siltstone to claystone (50), dark green gray, very fine, sub-round, firm. limy.
- 3130-3140 Sandy marlstone and sandstone, dark brown to tan, fine to very fine, sub-round, loose to friable.
- 3140-3160 Siltstone (60), dark green gray, very fine, sub-round, firm, dense, limy and sandstone (40), dark gray, fine to very fine, sub-round, firm, friable in part, not much visible porosity, tight, NOSCOF.
- 3160-3170 Sandstone, has yellow fluorescence, minor oil stain scattered and minor white cut.
- 3170-3190 Marlstone, black to dark brown to light brown, silty to shaly, limy to dolomitic, firm with abundance "Kerogen" (?) and trace of gilsonite.
- 3190-3200 As above, sandier.
- 3200-3240 Predominately "Marlstone", dark brown, to tan, shaly to silty, limy to dolomitic, dense with very minor green gray siltstone and trace of white, very fine quartzitic sandstone and siltstone.
- 3240-3250 As above with increased green gray siltstone.
- 3250-3260 As above, siltstone (50), marlstone (50).
- 3260-3270 Marlstone, black to dark brown, silty to shaly, limy to dolomitic, firm, Kerogen (?) rich.
- 3270-3300 Siltstone (60), green gray, very fine, shaly, firm, slightly limy and light tan, clayey marlstone (15) with good fluorescence (marlstone) and white to light gray, siltstone (25) and sandstone, very fine, sub-round, dense.

- 3300-3320 Marlstone (20), light tan, limy, shaly, firm and shaly siltstone (50), green gray to gray, very fine, firm, limy and siltstone (30) to sandstone, gray to white, frosted, fine to very fine, sub-round, firm with some loose grains, tight with dull yellow marlstone fluorescence.
- 3320-3330 As above, sandstone to siltstone (60) increased, shaly siltstone (35), marlstone, (5).
- 3330-3400 As above with increased marlstone but still very sandy (40) and with gray to green gray, shaly siltstone, very firm with trace of pyrite with noticeable dull yellow marlstone fluorescence.
- 3400-3420 Shaly siltstone (50), green gray to dark gray, very fine, sub-round, shaly, firm, limy and marlstone (50), dark brown to light tan, limy to dolomitic, silty to shaly, firm, good marlstone dull yellow fluorescence.
- 3420-3430 As above with marlstone (80), siltstone (20).
- 3430-3450 As above, marlstone (20), siltstone (80).
- 3450-3470 As above, marlstone (30), siltstone (70) with trace of sandstone and trace of gilsonite.
- 3470-3500 As above but with siltstone grading slightly toward fine to very fine sandstone, sub-round and very shaly.
- 3500-3510 Shaly siltstone (50), dark gray to green gray, very fine, sub-round, firm, limy in part and marlstone (50), mostly light tan, shaly, limy and with marlstone fluorescence but decreased in amount.
- 3510-3520 As above with shaly siltstone (80) becoming increased and sandy in part with marlstone decreased, (20).
- 3520-3550 With  $\pm$  5% of sample shaly sandstone and sandy siltstone.
- 3550-3570 Shaly siltstone (50), marlstone (40), sandy siltstone (10).
- 3570-3580 With increased dark gray shaly siltstone and marlstone. Marlstone becoming more shaly.
- 3590-3600 As above with very minor sandstone.
- 3600-3610 Marlstone (50), dark brown to light tan, limy to dolomitic, silty to shaly, dense with marlstone fluorescence and shaly to siltstone (50), green gray to gray, very fine, sub-round, firm, limy.
- 3610-3620 Shaly siltstone (60) as above with admixed sandy siltstone and with some marlstone (40).

- 3620-3660 As above with increased marlstone.
- 3660-3690 As above, very sandy.
- 3690-3700 Shaly siltstone (50), green gray to dark gray, very fine, sub-round, firm, limy and marlstone, light tan to dark brown, shaly to silty, limy to dolomitic, dense with abundant dull yellow marlstone fluorescence.
- 3700-3750 As above with noticeably increased dark gray to black shaly siltstone.
- 3750-3760 As above becoming very sandy.
- 3760-3780 Marlstone (60), dark brown to light tan, shaly to silty, limy to dolomitic, dense with marlstone fluorescence and shaly siltstone (35), green gray to dark gray, very fine, sub-round, firm to limy and sandstone white to light gray, very fine to fine, sub-round, dense, tight, quartzitic, NOSCOF.
- 3780-3800 As above with increased siltstone (60) and sandstone (20) with increased marlstone (20).
- 3800-3810 Shaly siltstone (60), dark gray to green gray, very fine, sub-round, dense, limy, grades to sandstone (25), dark gray to frosty, fine to very fine, sub-round, dense, tight, and marlstone (25), dark brown to light tan, shaly to silty, limy to dolomitic, dense.
- 3810-3820 No sample.
- 3829-3850 As above with increased marlstone and decreased siltstone with very minor sandstone.
- 3850-3900 Predominately marlstone, dark brown to black to tan, silty to shaly, limy to dolomitic, dense with minor shaly siltstone, green gray to dark gray, very fine, sub-round, limy.
- 3900-3910 "Marlstone", dark gray brown (40), and light tan (30), limy to dolomitic (30), silty to shaly to sandy, marlstone, dull yellow fluorescence and sandstone to siltstone, gray to green gray, very fine, sub-round, dense, tight, with some gilsonite.
- 3910-3930 As above, dark brown (80), light tan (20).
- 3930-3940 Increased sandstone (30), sandier, "marlstone" (80).
- 3940-3960 Mostly lost circulation, with siltstone to sandstone (60), green gray to gray, very fine, sub-round, firm, dense, tight and "marlstone", light tan, limy, bentonite.
- 3960-3980 Sandier siltstones and increased siltstone (80) with some dark brown "marlstones".
- 3980-3990 Becoming more dark gray.
- 3990-4000 "Marlstone", dark brown to light tan, shaly to silty, limy to dolomitic, dense.

- 4000-4030 "Marlstone" (60), dark brown to light tan, limy to dolomitic, silty to shaly, dense, some dull yellow marlstone fluorescence and siltstone (40), green gray to gray, firm, slightly limy, sub-round, firm with minor white to gray sandstone and white clay.
- 4030-4050 As above but mostly lost circulation materials.
- 4050-4090 "Marlstones", dark brown to light tan, silty to sandy, limy to dolomitic, dense.
- 4090-4100 More sandy. Recirculated sands?
- 4100-4110 Siltstone, green gray to gray, very fine to fine, sub-round, dense, grades to siltstone and marlstone, dark brown to light tan, limy to dolomitic, silty to shaly, dense with a trace of pyrite.
- 4110-4150 More sandy with abundance of loose sand. (80).
- 4150-4210 Marlstone (40), dark brown to light tan, limy to dolomitic, silty to shaly, dense and siltstone (40), gray to green gray, very fine, sub-round, dense and sandstone (20), frosted to white, sub-round, fine to very fine, loose mostly.
- 4210-4220 Siltstone (70), gray to green gray, very fine, sub-round, firm, dense, grades to sandstone (20), gray to white to frosted, fine to very fine, sub-round, moderately loose sand grains and "marlstone" (10), dark brown to light tan, limy to dolomitic, silty to shaly, dense.
- 4220-4230 As above with increased marlstone (50) and siltstone (50) decreased.
- 4230-4240 Siltstone (70), gray to green gray, fine to very fine, sub-round, firm grades to sandstone, frosted to gray, fine to very fine, sub-round, loose sand grains to firm, tight sandstone and marlstone, dark brown (10) to light tan, silty to shaly, limy to dolomitic, dense with a trace of pyrite and some white clay.
- 4240-4250 Siltstone (40), sandstone (20) and marlstone (40) as above. Recirculated sands?
- 4250-4260 As above, siltstone (40), sandstone (10), marlstone (50).
- 4260-4280 As above but sandier with more sandstone (35) and siltstone (35), and siltstone (35), rest marlstone (30).
- 4280-4300 Siltstone green gray to gray (30), very fine, sub-round, grading to sandstone (30), gray to frosty, very fine to fine, sub-round, loose to firm and marlstone (40), dark brown to light tan, silty to shaly, limy to dolomitic, dense with some siltstone, gray, dense, limy, more shaly with some white clay.
- 4300-4310 As above with increased sandstone (40) and siltstone (30).

- 4310-4340 Shale (40), gray, firm, dense, silty and sandstone (30), frosty to gray, fine to very fine, sub-round, loose to firm and siltstone (20), green to gray, very fine, sub-round, dense and marlstone (10), dark brown to light tan, silty to shaly, limy to dolomitic.
- 4340-4380 Shale (40), gray, firm, silty, dense, slightly limy and sandstone (50), light gray to frosty, fine to very fine, sub-round, dense, firm to loose, tight mostly with some minor green gray siltstone (10), as above.
- 4380-4420 Poor samples---all lost circulation materials contaminated. Not much valve.
- 4420-4440 Shale (60), gray to gray green, silty, limy and siltstone, shaly, dark gray to black, grades to marlstone (30), frosty gray, fine to very fine, sub-round, dense, tight, no porosity or permeability, with admixed marlstone (10).
- 4440-4460 Silty marlstone (40), rich in Kerogen ?, as above and marlstone (20) as above with sandstone decreased and shale (40), gray green.
- 4460-4470 Siltstone, green gray, very fine, sub-round, dense, tight and sandstone, gray to frosty, fine to very fine, sub-round, dense, tight, no porosity or permeability, NOSCOF, grades to siltstone with rare carbonaceous fragments.
- 4470-4480 As above with siltstone, gold fluorescence in sandstone but with no cut. Sandstone (30) decreased.
- 4480-4490 Sandstone (30), frosty to gray white, fine to very fine, sub-round, firm, tight, dense, very rare trace of gold fluorescence; no COS with some white clay and shaly siltstone (55), gray to green gray, very fine, sub-round, dense, firm, limy and marlstone (15) dark brown to light tan, shaly to silty, dolomitic to limy, hard.
- 4490-4500 As above, sandstone (10), marlstone (40), shaly siltstone (40) with rare sandstone fluorescence.
- 4500-4520 As above with some tan sandstone (50), marlstone (45), shaly siltstone (5) with rare sandstone fluorescence.
- 4520-4530 As above, sandstone (40), marlstone (20), shaly siltstone (30).
- 4530-4540 As above, sandstone (20), marlstone (40), shaly siltstone (40).
- Trip @ 4583 Mistake in tally---back to when Geol. line broken; corrected tally at 4583.
- 4580-4590 Mostly trip slough.
- 4590-4600 Marlstone as above, shaly siltstone as above and sandstone as above.

- 4600-4610 Sandstone (90, light tan to gray, frosty, sub-round, loose to friable with moderate yellow fluorescence, slight gold cut, some stain (?), porous.
- 4610-4620 Siltstone, marlstone and sandstone, as above.
- 4520-4630 Sandstone as above at 4600-4510 with show and porosity. steel line measurement cut for drill stem test #2.
- 4630 Geolograph = 4645' steel line measurement.
- 4530-4660 Slough.
- 4660-4700 Shale (30), medium gray, silty, firm, limy and shale (20), slightly green gray, silty, sandy, limy, grades to sandstone (40), white to frosty to gray, fine to very fine, sub-round, hard, quartzitic with minor, loose, friable with trace of show as above and some very minor, black, silty shale and marlstone (10) as above.
- 4700-4720 Shaly siltstone (70), light to medium gray to green gray, silty, limy with sandstone (15), as above and marlstone (25) as above with abundance of black, sticky oil from DST #2 in sample, medium yellow fluorescence.
- 4720-4730 Marlstone (20), mostly light tan, limy and shaly siltstone (60), dark gray to green gray, very fine, sub-round, firm, limy and sandstone (20), white to frosty, fine to very fine, sub-round to sub-angular, hard, dense, tight, NOSCOF.
- 4630-4750 As above with shaly siltstone (80), sandstone (20), marlstone (minor).
- 4750-4760 As above with minor marlstone (40), sandstone (20), shale (40).
- 4760-4780 Sandstone, gray, fine to very fine, sub-round, dense, tight, NOSCOF, and shaly siltstones, dark gray to medium gray to green gray, firm, limy.
- 4780-4810 Shale, gray to green gray, silty, limy, firm and sandstone, white to gray, fine to very fine, sub-round, dense, tight.
- 4810-4830 Oil from drill stem test #2 abundant in samples; shales, (85), dark gray to dark green gray, silty to sandy, limy and some tan, marlstone shales and sandstone (15), gray to frosty, fine to very fine, sub-round, dense, quartzitic, tight with dark accessories, NOSCOF, sandstone (but drill stem test fluorescent) with some carbonaceous fragments.
- 4830-4840 No Sample.
- 4840-4870 Shales and sandstone as above 4810-4830.
- 4872 Sample at show.  
Shales, dark brown to black, silty, marly, dolomitic and with carbonaceous interlaminated in part and "kerogen?"

- 4870-4890 As above at 4872 with some coal (?) or gilsonite (?) fragments and with less "kerogen" (?).
- 4890-4900 Shales siltstone (80), dark gray to green gray, very fine, sub-round, firm, limy and sandstone (20), gray, very fine to fine, sub-round, mostly quartzitic, dense and tight but trace of stain, very slight fluorescence, very slight cut.
- 4906 While drilling ahead and getting gas detector show from drilling book.  
Shales (40) as above and sandstone (60), oil stained brown, fine, sub-angular to sub-round, firm to slightly friable, fair to poor porosity, good greenish yellow fluorescence and fair gold white cut, no odor.  
Gas Detector - 180 with 4 units.  
Good Gas Detector Anomaly for 24".
- 4908 23" after initial gas detector kick.  
As above 90% sandstone.
- 4909 35", as above 90% sandstone.
- 4909-4920 Shales and marlstone (80), dark brown, dolomitic, dense, pyritic and sandstone (5), very decreased as above mostly slough (?).
- 4920-4930 Shaly siltstone (50), dark gray to gray, very fine, sub-round, firm, dense, limy and sandstone, gray, fine to very fine, sub-round, tight, dense, quartzitic, pyritic.  
NOSCOF: nothing on detector yet.
- 4930-4950 As above with sandstone decreasing to 20.
- 4950-4960 Shales (70), dark gray to green gray, very silty, sandy in part, firm dense, limy in part and sandstone (30), white to gray, fine to very fine, sub-round, dense, quartzitic, tight, NOSCOF.
- 4960-4970 As above with decreased sandstone.
- 4970-5030 As above with sandstone (45) increased and shales, very silty, with sandstone slightly porous in part with silty shale (55) as above but not nearly as good.
- 5030-5060 As above with sandstone (20).
- 5060-5070 As above with tight sandstone (40).
- 5070-5080 Shale, green gray, sub-waxy, firm and sandstone (30), white to frosty, fine to very fine, sub-round, hard, quartzitic, tight, and sandstone (10), brown stained, fine to very fine, sub-angular to sub-round, friable, some fairly porous with greenish yellow fluorescence in stain, no odor, light gold cut.
- 5080-5090 As above with some gray shale with brownish sandstone (25) increased, and gray sandstone (15) and shales (60) decreased.

- 5090-5100 As above with good brown stained sandstone with porosity in estimated 5 to 10%.
- 5100-5120 Shale (95), dark gray to dark brown, platy, fisile, slightly silty, very decreased sandstone (5) and show.
- 5120-5130 As above, silty sandstone (20) increased and shale (80) decreased and with shale increasing.
- 5130-5140 As above, sandstone (5) with shales (95).
- 5140-5160 As above, sandstone (20), shales (80).
- 5160-5170 Sandstone (20), brown oil stained, fine to very fine, sub-round, firm to friable to good fluorescence and cut and shales, dark gray to dark brown gray, silty and some gilsonite (10).
- 5170-5190 Slough
- 5190-5210 Shales (95), dark to medium gray, silty, slightly limy, grades to siltstone in part, very limy, sub-round with minor gray sandstone, fine to very fine, sub-round, dense, tight.
- 5210-5220 As above with light gray to medium gray, frosty, very fine to fine, dense, sub-round, quartzitic sandstone (15) and decreased shale (85).
- 5220-5250 As above with sandstone becoming brown to gray, fine to very fine, slightly friable to dense, slightly porous with slight greenish yellow fluorescence and slight gold cut; some fresh show but not as good as DST #3.
- 5250-5256 As above with some dark gray carbonaceous silty shale.
- 5250-5270 Shale, dark gray to medium gray with some dark brownish gray shale, silty and sandy in part, tight.
- 5270-5310 As above with some admixed sandstone<sup>10</sup>, light gray to medium gray, very fine to fine, dense, quartzitic, tight, slight trace of fluorescence only, pyrite grades to siltstones.
- 5310-5320 Shales (90), dark gray to medium gray to brownish gray with some minor green gray waxy to silty to very silty, carbonaceous in part, limy in part, and sandstone (10), white to gray, very fine to fine, sub-round, dense, tight, quartzitic grades to siltstones with trace of pyrite.
- 5320-5340 As above with less sandstone (less than 5%).
- 5340-5360 As above with very increased sandstone (15) with noticeable pyrite. Engine trouble; only pumping around 50 SPM.
- 5360-5370 Sandstone (60) and loose sand grains, brown to gray, fine to very fine, sub-round and shales, gray to green gray to brown, waxy to silty, firm.

- 5370-5380 Loose sand and sandstone, dark brown, fine to very fine, sub-round, oil stained, specks brown, sticky T gr. oil with a trace of spotty fluorescent dead oil? Recirculated sand? Getting very limited cuttings--very fine cuttings--keeping hole clean? Poor samples 5380.
- 5380-5450 Shales, grays to green gray, silty to waxy, some sand.
- 5450-5510 Shales becoming mostly, dark gray to black, very silty and sandy in part.
- 5510-5550 Shale (60), medium gray to dark gray to black, silty to waxy, carbonaceous in part and sandstone, white to gray, fine to very fine, sub-round, friable to firm, not much porosity but a trace. NOSCOF.
- 5550-5555 Shales, medium gray to dark gray to black, silty to waxy, limy in part, very carbonaceous in part with some admixed light tan limy shale and green gray, sub-waxy shale and sandstone, light gray to dark gray, very fine to fine, sub-round, dense, tight, quartzitic in part, grades to siltstone, very rare fluorescence but no other visible show. Small gas detector anomaly.
- 5555-5610 As above with abundant black, silty, very carbonaceous, silty to very sandy shale (75), gray shale (20), and minor sandstone (5) as above.
- 5610-5640 As above but becoming more sandy and with dark grayish brown very fine to fine silty, tight sandstone (30) grades to siltstone.
- 5640-5650 As above with predominately loose sand (80) and sandstone, gray to brown, fine to very fine, sub-round, trace of oil solution, trace cut, no odor, slightly porous only.
- 5650-5670 Sandstone (50), brown to gray, fine to very fine, sub-round, loose to firm, silty, porosity in part, greenish yellow fluorescence in part, slight gold cut, no odor and shale (50), medium gray to black, silty to waxy, limy in part, gilsonitic in part.
- 5670-5690 Gilsonite (90), black, silty, good gold cut, floating all over flow-line hopper, on pit and on shaker screen with suspended loose sand grains as above. Some greenish yellow fluorescence and good gold cut.
- 5690-5770 Shales (80), dark gray to black, silty with some medium gray, waxy, limy in part, gilsonitic in part and some lighter tan limy shale and sandstone, brown to gray, fine to very fine, sub-round, mostly loose to friable, trace of porosity only.
- 5770-5790 As above with abundance of loose sandgrains (60) increasing with trace of oil stain, no fluorescence but slight cut to very poor returns to lost 100 barrels of mud at 5748 and samples poor.

- 5790-5800 Shales, black to medium gray, very silty, carbonaceous, firm, very pyritic with abundance pyrite and shale, medium gray, firm, sub-waxy with trace of sandstone only.
- 5800-5860 As above with much recirculated sand; poor samples. From 5748 to 6200'; lost circulation problems.
- 5860-5870 Predominately loose sand, white to gray, fine to very fine, sub-round; recirculated?
- 5870-5880 As above with black silty shale.
- 5880-5890 As above with abundant black, silty, carbonaceous shale (50) and decreased sandstone (50).
- 5890-5910 Shale (60), black to dark gray, silty, carbonaceous and sandstone (40), white to gray with some brown, fine to very fine, sub-round, fairly tight, NOSCOF, grades to siltstone.
- 5910-5920 As above, sandstone (50) increased and some white clay matrix in sandstone with dark accessories.
- 5920-5960 Sandstone (50), as above and shales (50), black, silty, carbonaceous and medium gray, silty to waxy, limy in part with quite a bit of white clay matrix in sandstone.
- 5960-5970 Shales (70), black, silty, carbonaceous and gray to medium gray, slightly waxy to silty, limy in part and sandstone (40), white to frosty, fine to very fine, sub-round, loose to friable, mostly tight, NOSCOF.
- 5970-5990 As above with rare trace of greenish yellow fluorescence in increased sandstone (60).
- 5990-6000 Sandstone and sand (95), forsty to white, fine to very fine, sub-round, some medium porosity with spotty (5%) light brown oil stain and light yellow fluorescence, very very silty gold cut (poor cut). No odor and some shale, black to medium gray, silty to waxy to slightly carbonaceous, slightly limy in part.
- 6000-6030 As above with increased shales (50) and decreased sandstone (50) with some trace of pyrite.
- 6030-6050 As above with increased black shales (85) and very decreased sandstone (15).
- 6050-6080 Shales (90), black, silty to sandy, carbonaceous and some medium gray, waxy, firm with some sandstone (19), as above.
- 6080-6090 As above with slightly increased sandstone (15).
- 6090-6100 No Samples.

- 6100-6110 Shales (95), black, silty to sandy, carbonaceous with some medium gray firm, waxy shales and very minor sandstone (05).
- 6110-6145 As above with increased sandstone (20).
- 6145-6170 As above, predominately loose sandstone (90); looks recirculated.
- 6150 Getting very little cuttings--working on improving sample quality.
- 6190-6200 As above but almost no samples at all.
- 6200-6270 Got samples finally lined out. Shales, black, silty, carbonaceous,  
6300 very sandy in part with some gray shales and minor sandstone.
- 6270 Shales as above and sandstone, brownish gray, very fine to fine, sub-round, firm to slightly friable, NOSCOF.
- 6300-6360 Shales, black, very silty to very sandy, carbonaceous, tight with moderate admixed brown silty shale and with very minor trace of sandstone only with pyrite.
- 6360-6370 As above with 1 grain organic siltstone.
- 6370-6380 Shales (90), black, silty to very sandy, very abundant pyrite with good pyrite cubes and some twinned pyrite with noticeable iron mineral cutting on some shales, carbonaceous and sandstone (10), light gray to white, fine to very fine, sub-round, grades to siltstone, firm, tight with rare scattered trace of light gold fluorescence; unable to obtain cut, no odor.
- 6380-6390 As above with sandstone decreased; still no red shales but a trace of organic silt.
- 6390-6410 As above with sandstone (40) very increased. NOSCOF with some green waxy shales and a trace of pink mud in samples.
- 6410-6430 Shales (90), green, waxy to medium gray, silty to waxy to black, silty, firm with some minor sandstone as above.
- 6430-6460 Shales (40) as above and sandstone (60) white to gray, fine, sub-round, friable to firm, NOSCOF.
- 6460-6490 As above; more shaly.
- 6490 Circulated one hour before trip.  
As above with trace of pinkish shales.
- 6490-6500 Trip slough.
- 6500-6530 Shales (95%), varicolored, silty to waxy, limy in part, carbonaceous in part and with minor sandstone as above, white to gray, fine, sub-round, friable to firm, NOSCOF.
- 6530-6570 As above with abundant sticky pink clay in samples.

PTS  
STATE 44-36  
DUCHESNE CO., UTAH

- 6570-6480 Shales (80), varicolored, predominately red brown with green, silty to waxy, limy in part with abundant white clay and sandstone (20), white to gray, fine to very fine, sub-round, quartzitic ? with some clay matrix, tight most, no porosity or permeability and NOSCOF, pyritic.
- 6580-6590 As above with decreased sandstone (10).
- 6590-6610 As above with predominately varicolored shales and some sticky red shales.
- 6610-6650 Shales, varicolored, silty to waxy, limy in part, firm, sandy in part with minor admixed sandstone (5), as above.
- 6650-6670 Shales (50), varicolored, silty to waxy to limy in part, slightly carbonaceous in part, pyritic, firm, sandy in part and sandstone (50) white to gray, fine to very fine, sub-round, firm to friable, varicolored accessories, tight, white clay matrix in some, NOSCOF, dirty sandstone with slightly pinkish tint in part.
- 6670-6680 As above with decreased sandstone (10).
- 6680-6700 As above with sandstone (less than 5%) minimal with trace of gray Chert.
- 6700-6720 As above with silty sandstone (10) increased.
- 6720-6740 Shales (90), varicolored, sandy to silty to waxy, limy in part, carbonaceous in part, pyritic, firm and minor sandstone (10), gray to pinkish gray, fine to very fine, sub-round, firm to friable, mostly clay matrix, varicolored accessories, tight, dirty, NOSCOF.
- 6740-6760 As above with slight sandstone (20) increased.
- 6760-6790 As above but predominately sandstone (80), NOSCOF, mostly tight.
- 6790-6800 As above, sandstone (15) decreased.
- 6800-6820 Shales (80), varicolored, silty to sandy in part to waxy, slightly carbonaceous in part and sandstone (20), gray to pinkish gray, fine to very fine, sub-round, tight, quartzitic in part and white clay matrix in part, varicolored accessory, no porosity or permeability, NOSCOF, very pyritic.
- 6820-6900 As above with sandstone (less than 5%) minimal.
- 6900-6930 Shales, varicolored, predominately red, silty to sandy, slightly limy in part, firm.
- 6930-6950 As above and with sandstone (15), pinkish gray, very fine to fine, sub-round, silty, dirty, tight, NOSCOF.
- 6950-6960 Shales, varicolored, red to green with some admixed dark gray to black very pyritic shale and sandstone (5) as above but decreased.

- 6960-6970 No samples. Sample bucket got knocked over.
- 6970-6090 Shales, <sup>75</sup> varicolored, silty to sandy to waxy, limy in part, carbonaceous and pyritic in part and sandstone (25), pinkish gray to gray, fine to very fine, sub-round, shaly, dirty, tight, NOSCOF.
- 6090-7000 Recirculated sand. New sample catcher on tour.
- 7000-7050 Shales (90), varicolored, silty to sandy to waxy, limy in part, carbonaceous and pyritic in part and sandstone, pinkish gray to gray, fine to very fine, sub-round, shaly, dirty, tight NOSCOF.
- 7050-7070 As above with sandstone (15), silt increased.
- 7070-7100 As above with minimal sandstone (less than 5%) and with some mottled shales.
- 7100-7130 Shales (85), varicolored, silty to sandy to waxy, mottled in part, limy in part and sandstone (15), pinkish gray, very fine to fine, sub-round, shaly, silty, dirty, tight, slightly "arkosic" look, NOSCOF.
- 7130-7140 As above with decreased sandstone (15).
- 7140-7165 Shales (90), varicolored, silty to sandy to waxy, mottled in part, limy in part and sandstone (10), pinkish gray, very fine to fine, sub-round, shaly, silty, dirty, tight, slightly "arkosic" look, NOSCOF.
- 7165 Geolograph T.D.
- 7165 90" circulated sample.

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

5. LEASE DESIGNATION AND SERIAL NO.

ML-21835

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

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR  
Natural Gas Corporation of California

8. FARM OR LEASE NAME

State

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

9. WELL NO.

44-36

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

10. FIELD AND POOL, OR WILDCAT

Wildcat

784' FSL and 784' FEL SE $\frac{1}{4}$  SE $\frac{1}{4}$

11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA

Sec. 36, T.8S., R.15E.

16. PERMIT NO.  
43-013-30451

15. ELEVATIONS (Show whether OF, NT, OR, etc.)  
5834' GL

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

FULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

(Other) Request Temporary Surface Pit

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

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

Operator requests an 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

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

DIVISION OF  
OIL, GAS & MINING

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

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

SIGNED William M. Ryan

TITLE Petroleum Engineer

DATE Nov. 15, 1984

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

*Natural Gas  
Corporation of  
California*

NGC NGC

December 13, 1984

RECEIVED  
DEC 17 1984

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

DIVISION OF  
OIL, GAS & MINING

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

Re: NGC #44-36 State  
SE SE Section 36, T.8S., R.15E.  
Duchesne County, Utah

Gentlemen:

Attached are copies of Form OGC-1b, Sundry Notices and Reports on Wells, Notice of Intention to Abandon the subject well.

Sincerely,



Eric F. Hadsell  
Lead Engineer

/kh

Attachment

cc: H. Myers  
Land Dept.  
L. Jorgensen  
S. Furtado

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator N.G.C. Representative Eric Hadsell

Treaty Boundary State  
Well No. 44-36 Location 1/4 1/4 Section 36 Township T8 Range R15E

County Duchesne Field \_\_\_\_\_ State \_\_\_\_\_

Unit Name and Required Depth \_\_\_\_\_ Base of fresh water sands \_\_\_\_\_

T.D. 5000 Size hole and Fill per sack \_\_\_\_\_ " \_\_\_\_\_ Mud Weight and Top \_\_\_\_\_ #/gal. \_\_\_\_\_

| Casing Size  | Set At      | Top of Cement | To Be Pulled | Plugging Requirements            |             |              |
|--------------|-------------|---------------|--------------|----------------------------------|-------------|--------------|
|              |             |               |              | From                             | To          | Sacks Cement |
| <u>5 1/2</u> | <u>5729</u> | _____         | _____        | <u>① 2850</u>                    | <u>3050</u> | <u>50 SX</u> |
| <u>8 5/8</u> | <u>300</u>  | _____         | _____        | <u>② surf.</u>                   | <u>176</u>  | <u>20 SX</u> |
| Formation    | Top         | Base          | Shows        | <u>③ 5 1/2" - 8 5/8" annulus</u> |             | <u>35 SX</u> |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |
|              |             |               |              |                                  |             |              |

REMARKS

DST's, lost circulation zones, water zones, etc., \_\_\_\_\_  
Perfs @ 2942-48, 2958-68

Approved by JRB Date \_\_\_\_\_ Time \_\_\_\_\_ a.m. p.m.

*- Will not plug until spring.*

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

|   |  |   |                   |
|---|--|---|-------------------|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>ML-21835                       |                   |
| 2. NAME OF OPERATOR<br>Natural Gas Corporation of California  |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME                                  |                   |
| 3. ADDRESS OF OPERATOR<br>85 South 200 East, Vernal, Utah 84078   |  | 7. UNIT AGREEMENT NAME  |                   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)<br>At surface<br>784' FSL & 784' FEL, SE/SE |  | 8. FARM OR LEASE NAME<br>State  |                   |
| 14. PERMIT NO.<br>43-013-30451  |  | 9. WELL NO.<br>44-36  |                   |
| 15. ELEVATIONS (Show whether DF, RT, OR, etc.)<br>5834' NGC   |  | 10. FIELD AND POOL, OR WILDCAT<br>Treaty Boundry                      |                   |
|   |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec 36, T8S, R15E |                   |
|   |  | 12. COUNTY OR PARISH<br>Duchesne                                      | 13. STATE<br>Utah |

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

NOTICE OF INTENTION TO:

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

This well has been placed in a temporarily abandoned status. All production equipment has been removed from the site, only the casing and casing head remain. This status is effective as of January 1, 1985.

SI status pending receipt of additional information.  
JRB

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

SIGNED Kathy Kruteon TITLE Technical Assistant DATE 4-17-85

(This space for Federal or State office use)

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

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

|  |                        |
|--|------------------------|
| 5. LEASE DESIGNATION AND SERIAL NO.              | ML-21835               |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME             |                        |
| 7. UNIT AGREEMENT NAME                           |                        |
| 8. FARM OR LEASE NAME                            | State                  |
| 9. WELL NO.                                      | 44-36                  |
| 10. FIELD AND POOL, OR WILDCAT                   | Wildcat                |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR ABBA | Sec. 36, T.8S., R.15E. |
| 12. COUNTY OR PARISH                             | Duchesne               |
| 13. STATE  | Utah                   |

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
784' FSL and 784' FEL, SE $\frac{1}{4}$  SE $\frac{1}{4}$  Sec. 36, T.8S., R.15E.

14. PERMIT NO. \_\_\_\_\_ 15. ELEVATIONS (Show whether OF, RT, OR, etc.) \_\_\_\_\_

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"/> | FULL 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 checked="" type="checkbox"/>  | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) _____                                  | (Other) _____                            |

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

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

Natural Gas Corporation of California proposes to plug the Treaty Boundary 44-36. The 5 $\frac{1}{2}$ " casing set at 5729' has a C.I.B.P. at 5000' with two sx Class G above it. 300' of 8-5/8" was used as surface pipe. Perforations are at 2942 to 2948 and 2958 to 2968.

We plan to set a 200' (25 sx) plug from 2850 to 3050, a 175' (70 sx) plug from 176' to surface and a 300' (50 sx) plug between surface casing and production casing. We will perform these operations as weather allows. This plan was approved verbally by John Baza (Utah OG&M) on 12/13/84.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 12/13/84  
BY: John R. Baza

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

SIGNED Eric E. Hadsell TITLE Lead Engineer DATE Dec. 13, 1984

(This space for Federal or State office use)

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

*Natural Gas  
Corporation of  
California*

RECEIVED

April 17, 1985

APR 19 1985

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

DIVISION OF OIL  
GAS & MINING

Attn: Pam Kenna, Well Records Specialist

SUBJECT: CURRENT WELL STATUS  
State 44-36 Lease #ML-21835  
Federal 32-14 Lease #U-18404

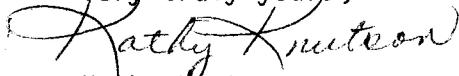
This letter is in response to yours of April 11, 1985 requesting subsequent abandonment reports on the above two subject wells. Neither of these two wells have been plugged.

Attached is a Sundry Notice placing the 44-36 well in a temporary abandonment status. This well was proposed for abandonment in December of 1984 put as of this date actual abandonment has not commenced. This well should be listed as TA on all reports since January, 1985. Sorry it was overlooked to send out official notification of change in status.

Notice of Temporary Abandonment was sent on February 21, 1985 for the NGC 32-14 well. This status is as per Rule C-22 (4) of Rules of Practice and Procedure. All production equipment has been removed from this site and only the casing and wellhead remain.

Any further questions regarding this matter should be directed to my attention at the address shown below.

Very truly yours,



Kathy Knutson  
Technical Assistant

/kk  
files

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)

2  
16

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Natural Gas Corporation of California

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
784' FSL & 784' FEL, SE/SE

14. PERMIT NO.  
43-013-30451

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
5834' NGL

5. LEASE DESIGNATION AND SERIAL NO.  
ML-21835

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
State

9. WELL NO.  
44-36

10. FIELD AND POOL, OR WILDCAT  
Treaty Boundry

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec 36, T8S, R15E

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 checked="" type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/>         | CHANGE PLANS <input type="checkbox"/>         | (Other) <input type="checkbox"/>               |  |

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

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

Prairie Gold Well Service moved on location and rigged up to plug and abandon the above well on July 25, 1985. Blow down tbg, csg & surface casing, fill well with water. TIH w/2 3/8" tbg to 3050', set 1st plug from 3050' to 2720' with 25 sacks "G" cement. POH & LD. TIH w/9 jts tbg to 283', pump 20+ sacks "G" cement until good returns. POH & LD. Pump 20 bbls water down surface csg annulus, pumped 90 sacks "G" cement down 9 5/8" and 4 1/2" annulus. No pressure encountered. Install dry hole marker. RD and release Prairie Gold.

Well location will be recontoured and seeded when weather permits.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 8/1/85  
BY: [Signature]

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

SIGNED Kathy Knutson TITLE Technical Assistant DATE 7/26/85

(This space for Federal or State office use)

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

*Natural Gas  
Corporation of  
California*

RECEIVED

JUL 29 1985

DIVISION OF OIL  
GAS & MINING

July 26, 1985

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

SUBJECT: Treaty Boundry 44-36  
Section 36, T8S, R15E  
Duchesne County, Utah  
Lease ML-21835

Gentlemen:

Attached is Form OGCC-1b, Sundry Notices and Reports on Wells, advising you that the above subject well has been plugged and abandoned as per the plan submitted to your office and approved in December 1984. This location will be recontoured and seeded when the weather permits.

Very truly yours,

*Kathy Knutson*

Kathy Knutson  
Technical Assistant

/kk  
attachments

cc: Chevron Resources  
A.G. Andrikopoulos  
Ralph E. Davis Assoc, Inc.  
L. Jorgensen  
S. Furtado  
Land Department  
File

*Natural Gas  
Corporation of  
California*

RECEIVED

OCT 21 1985

DIVISION OF OIL  
GAS & MINING

October 18, 1985

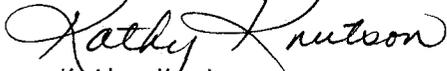
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

SUBJECT: Rehabilitation Status  
44-36 Treaty Boundry  
13-16 River Bend

Gentlemen,

Attached are Sundry Notices advising that rehabilitation work has been completed at the above two abandoned wellsites.

Very truly yours,



Kathy Knutson  
Technical Assistant

/kk  
attachments

cc: S. Furtado  
Operations  
File

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

RECEIVED  
DIVISION OF OIL, GAS & MINING  
(Other instructions on reverse side)

OCT 21 1985

16

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

(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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>ABANDONED</u>  |  | 5. LEASE DESIGNATION AND SERIAL NO.<br>ML-21835                       |
| 2. NAME OF OPERATOR<br>Natural Gas Corporation of California  |  | 6. IF INDIAN, ALLOTTED OR TRIBE NAME                                  |
| 3. ADDRESS OF OPERATOR<br>85 South 200 East, Vernal, Utah 84078   |  | 7. UNIT AGREEMENT NAME  |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)<br>At surface<br>SE/SE 784' FSL & 784' FEL |  | 8. FARM OR LEASE NAME<br>STATE  |
| 14. PERMIT NO.<br>43-013-30451  |  | 9. WELL NO.<br>44-36  |
| 15. ELEVATIONS (Show whether OF, RT, GR, etc.)<br>5834' NGL   |  | 10. FIELD AND POOL, OR WILDCAT<br>Treaty Boundry                      |
|   |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR ABNA<br>Sec 36, T8S, R15E |
|   |  | 12. COUNTY OR PARISH<br>Duchesne                                      |
|   |  | 13. STATE<br>Utah   |

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

| NOTICE OF INTENTION TO:                                       |   | SUBSEQUENT REPORT OF:   |  |
|---|---|---|--|
| TEST WATER SHUT-OFF <input type="checkbox"/>                  | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/>   | REPAIRING WELL <input type="checkbox"/>  |
| FRACTURE TREAT <input type="checkbox"/>                       | MULTIPLE COMPLETE <input type="checkbox"/>    | FRACTURE TREATMENT <input type="checkbox"/>   | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/>                     | ABANDON* <input type="checkbox"/>             | SHOOTING OR ACIDIZING <input type="checkbox"/>  | ABANDONMENT* <input type="checkbox"/>    |
| REPAIR WELL <input type="checkbox"/>                          | CHANGE PLANS <input type="checkbox"/>         | (Other) _____ <input type="checkbox"/>  |  |
| (Other) REHABILITATION WORK COMPLETE <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 rehabilitation of the above subject wellsite has been completed. The entire disturbed area was recontoured and seeded with an approved seed mixture.

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

SIGNED Kathy Knutson TITLE Technical Assistant DATE 10-19-85

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

DM

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

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 state requirements. See also space 17 below.)  
At surface  
784' FSL and 784' FEL SE $\frac{1}{4}$  SE $\frac{1}{4}$

14. PERMIT NO.  
43-013-30451

15. ELEVATIONS (Show whether OF, RT, OR, etc.)  
5834' GL

5. LEASE DESIGNATION AND SERIAL NO.  
ML-21835

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
State

9. WELL NO.  
44-36

10. FIELD AND POOL, OR WILDCAT  
Wildcat No Unit, or Com.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
State Surface & Minerals  
Sec. 36, T.8S., R.15E.

12. COUNTY OR PARISH  
Duchesne

13. STATE  
Utah

RECEIVED  
FEB 05 1986

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 PLANN <input type="checkbox"/>         | (Other) <input type="checkbox"/>               |  |

(Other) Request Temporary Surface Pit

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

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

Operator requests an 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  
FEB 05 1986

DIVISION OF  
OIL, GAS & MINING

VERNAL DIST.  
ENG. RM  
GEOL. α-AB  
E.S. Att 12-5-84  
PET. Mark WDD  
A.M. \_\_\_\_\_

607891011213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364656667686970717273747576777879808182838485868788899091929394959697989900

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

SIGNED William M. Ryan TITLE Petroleum Engineer DATE Nov. 15, 1984

(This space for Federal or State office use)

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

COORDINATORS OF APPROVAL, IF ANY:  
11-85-304  
BLM



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

IN REPLY  
REFER TO:  
3162.5  
(U-8010)

**RECEIVED**  
FEB 05 1986

January 31, 1986

**DIVISION OF  
OIL, GAS & MINING**

Mr. John Baza  
Utah State Department of Natural Resources and Energy  
Division of Oil, Gas, and Mining  
3 Triad Center, Suite 360  
355 West North Temple  
Salt Lake City, Utah 84180-1203

Re: Natural Gas Corp. of California  
State No. 44-36 Well  
Sec. 36, T.8S., R.15E., S1M  
API No. 43-013-30451

Dear Mr. Baza:

On August 22, 1985, we were advised by our State Director that we should no longer exercise regulatory authority over wells drilled on state surface and mineral estate with regard to methods of disposal of produced water. Consequently, we are forwarding the referenced application to you for disposition.

If you have any questions concerning this matter, please contact Alvin Burch at (801) 789-1362.

Sincerely,

Alvin L. Burch  
Acting Area Manager  
Diamond Mountain Resource Area

Encl: 1 Sundry Notice

cc: Natural Gas Corp of California



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

February 13, 1986

Mr. Alvin L. Burch  
United States Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

Dear Mr. Burch:

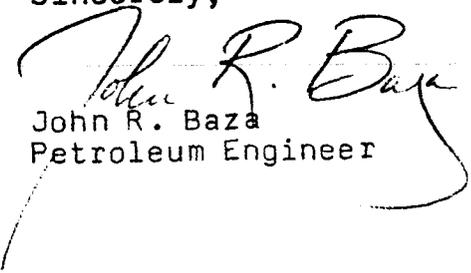
RE: Wells Operated by Natural Gas Corporation of California in  
Duchesne and Uintah Counties

In reference to the wells listed on the attached sheet, several letters from your office were recently received by the Division of Oil, Gas and Mining. The letters advise the Division that the Bureau of Land Management could not exercise regulatory authority over these wells as it pertains to approval of temporary disposal pits at each site. The Division appreciates your consideration of this matter.

For your information, the proposed surface pits requested by the operator were approved by this office on December 20, 1984. In fact, two of the wells have subsequently been plugged and abandoned as indicated on the attached sheet.

Please do not hesitate to contact us again in future matters of this type.

Sincerely,

  
John R. Baza  
Petroleum Engineer

sb  
Attachment  
cc: D.R. Nielson  
R.J. Firth  
Well Files  
0155T-105-106

Attachment 1

Well No. NGC 11-16  
Sec.16, T.9S, R.17E,  
Duchesne County

Well No. 44-36 (P&A 7-25-85)  
Sec.36, T.8S, R.15E,  
Duchesne County

Well No. NGC 33-32 State  
Sec.32, T.8S, R.18E,  
Uintah County

Well No. NGC 33-2-H State  
Sec.2, T.9S, R.17E,  
Uintah County

Well No. NGC 13-16 State (P&A 7-26-85)  
Sec.16, T.9S, R.19E,  
Uintah County