

As of 8-8-63 this well was converted to a water injection well

FILE NOTATIONS

Entered in NID File

Checked by Chief

Entered On S R Sheet

Copy NID to Field Office

Location Map Pinned

Approval Letter

Card Indexed

Disapproval Letter

IWR for State or Fee Land

COMPLETION DATA:

Date Well Completed

8-19-59

Location Inspected

CV

VW

TA

Bond released

GW

CS

PA

State of Fee Land

LOGS FILED

Driller's Log

9-30-59

Electric Logs (No. )

3

E

I

E-I

GR

GR-N

Micro

Lat

Mi-L

Sonic

Others

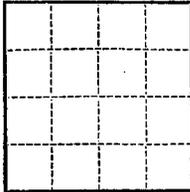
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-1043



SUNDRY NOTICES AND REPORTS ON WELLS

|   |                                     |  |  |
|---|-------------------------------------|--|--|
| NOTICE OF INTENTION TO DRILL                  | <input checked="" type="checkbox"/> | SUBSEQUENT REPORT OF WATER SHUT-OFF        |  |
| NOTICE OF INTENTION TO CHANGE PLANS           |                                     | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |  |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF    |                                     | SUBSEQUENT REPORT OF ALTERING CASING       |  |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL |                                     | SUBSEQUENT REPORT OF REDRILLING OR REPAIR  |  |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE       |                                     | SUBSEQUENT REPORT OF ABANDONMENT           |  |
| NOTICE OF INTENTION TO PULL OR ALTER CASING   |                                     | SUPPLEMENTARY WELL HISTORY                 |  |
| NOTICE OF INTENTION TO ABANDON WELL           |                                     |  |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado

June 9 19 59

Navajo "B"

Well No. No. 6 is located 610 ft. from N line and 1980 ft. from EW line of sec. 10

NE, NW Sec. 10 41S 24E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
White Mesa San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ungraded ground ~~disturbance~~ above sea level is 4508.4.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drill 17-1/2" hole to approximately 160', set 13-3/8" conductor pipe and cement to surface. Drill 11" hole to approximately 1600', set 8-5/8" casing and cement to surface. Drill 7-7/8" hole to total depth of approximately 5700', run 5-1/2" casing and cement with approximately 250 ax. cement. Complete in Paradox formation.

CONFIDENTIAL

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Phillips Petroleum Company

Address P. O. Drawer 1150

Cortez, Colorado

By C. H. Boles

Title District Superintendent

Company PHILLIPS PETROLEUM COMPANY

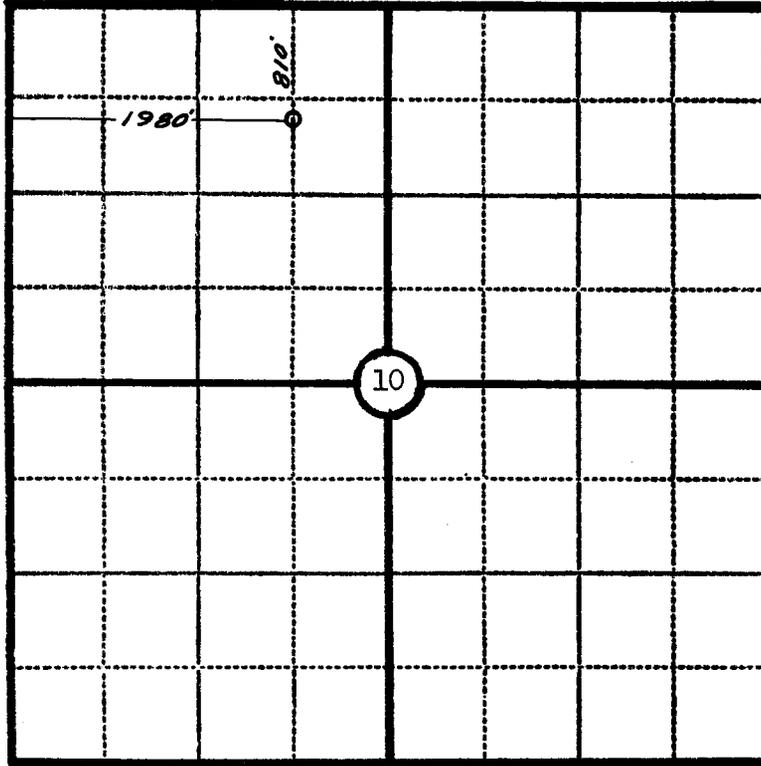
Lease NAVAJO "B" Well No. 6

Sec. 10, T. 41 S., R. 24 E., S. 1. M.

Location 810' FROM THE NORTH LINE AND 1980' FROM THE WEST LINE.

Elevation 4508.4 UNGRADED GROUND.

SAN JUAN COUNTY UTAH



Scale—4 inches equal 1 mile

This is to certify that the above plat was prepared from field note 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.

Seal: *James P. Leese*  
Registered Land Surveyor.  
James P. Leese  
Utah Reg. No. 1472

Surveyed 5 June, 1959

June 12, 1959

Phillips Petroleum Company  
P. O. Drawer 1150  
Cortez, Colorado

Attention: C. M. Boles,  
District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo B-6, which is to be located 810 feet from the north line and 1980 feet from the west line of Section 10, Township 41 South, Range 24 East, S1EM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE SECRETARY

CBF:co

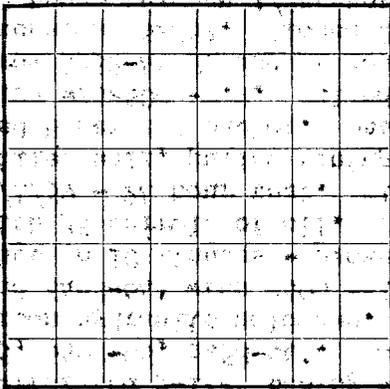
cc: P. T. McGrath, Dist. Eng.  
U. S. Geological Survey  
Farmington, New Mexico

**CONFIDENTIAL**

*Released  
1-30-60  
CO*

Bureau No. 42-R365.4  
Valid expires 12-31-60.

U. S. LAND OFFICE Navajo  
SERIAL NUMBER 14-20-603-4043  
LEASE OR PERMIT TO PROSPECT Tribal



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**LOG OF OIL OR GAS WELL**

LOCATE WELL CORRECTLY

Company Phillips Petroleum Address P.O. Drawer 1150, Cortez, Colorado  
Lessor or Tract Navajo 4B Field White Mesa State Utah  
Well No. 6 Sec. 10 T. 41S R. 24E Meridian SLM County San Juan  
Location 810 ft. XX of N Line and 1980 ft. XX of W Line of Sec. 10 Elevation 4518  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.  
Signed [Signature]

Date September 28, 1959 Title District Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling June 16, 1959 Finished drilling July 10, 1959

**OIL OR GAS SANDS OR ZONES**

*(Denote gas by G)*

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

**IMPORTANT WATER SANDS**

In all sands above 1350 and from 2490 to 2635.  
No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

**CASING RECORD**

| Size casing | Weight per foot | Threads per inch | Make  | Amount | Kind of shoe | Cut and pulled from | Perforated |              | Purpose |
|-------------|-----------------|------------------|-------|--------|--------------|---------------------|------------|--------------|---------|
|             |                 |                  |       |        |              |                     | From—      | To—          |         |
| 13-3/8      | 27.18           | 5 1/2            | Arden | 162    | Howco        | 5382                | 5384       | Unperforated |         |
| 8-5/8       | 20.4            | 6 rd             | J-55  | 1848   | Howco        | 5382                | 5386       | Prod.        |         |
| 5-1/2       | 11.7            | 8 rd             | J-55  | 5495   | Rector       | 5384                | 5395       | " "          |         |
|             |                 |                  |       |        |              | 5402                | 5405       | " "          |         |
|             |                 |                  |       |        |              | 5458                | 5464       | " "          |         |

**MUDDING AND CEMENTING RECORD**

| Size casing | Where set | Number sacks of cement | Method used  | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--|-------------|--------------------|
| 13-3/8      | 178       | 175 - 2% C.C.          | Circulated   |             |                    |
| 8-5/8       | 1350      | 800 cu. ft.            | Circulated (filled annulus w/125 sx, reg. cem, 2%CC) |             |                    |
| 5-1/2       | 5468      | 550 cu ft              | Halliburton  |             |                    |

**PLUGS AND ADAPTERS**

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**SHOOTING RECORD**

FOLD MARK

5-1/2 5468 550 cu ft Halliburton

**PLUGS AND ADAPTERS**

Heaving plug—Material ..... Length ..... Depth set .....  
 Adapters—Material ..... Size .....

**SHOOTING RECORD**

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

**TOOLS USED**

Rotary tools were used from 0 feet to 5468 feet, and from ..... feet to ..... feet  
 Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

**DATES**

September 28, 1959 Put to producing August 19, 1959  
 The production for the first 24 hours was 607 barrels of fluid of which 99.7% was oil; .....%  
 emulsion; 3% water; and .....% sediment. Gravity, °Bé. ....  
 If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....  
 Rock pressure, lbs. per sq. in. 1789 at -800

**EMPLOYEES**

....., Driller ..... Driller  
 Moran Bros., Inc., Driller ..... Driller

**FORMATION RECORD**

| FROM— | TO—  | TOTAL FEET | FORMATION                     |
|-------|------|------------|-------------------------------|
| 2215  | 2295 | 80         | Shinarump                     |
| 2295  | 2405 | 110        | Moenkopi                      |
| 2405  | 2490 | 85         | Cutler - Hoskinson Equivalent |
| 2490  | 2635 | 145        | Cutler - De Chelly Member     |
| 2635  | 4423 | 1788       | Cutler - Organ Rock Member    |
| 4423  | 5212 | 789        | Honaker Trail                 |
| 5212  | 5378 | 166        | Ismay of Paradox              |
| 5378  | 5468 | 90         | Desert Creek of Paradox       |

FORMATION RECORD—CONTINUED

SEP 30 1959

W

**CONFIDENTIAL**  
**HISTORY OF OIL OR GAS WELL**

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded 6:00 P.M. 6-16-59. Drilled 17-1/4" hole to 178'. Set and cemented 4 jts. 13-3/8" OD 27.1# Armco SW SJ casing at 178' with 175 sx. cement, 2% Calcium Chloride. Pumped plug to 165'. Cement circulated. Job completed 12:30 A.M. 6-18-59. W.O.C. 24 hours.

Drilled 21" hole to 1351'. Set and cemented 45 jts. 8-5/8" OD 24# J-35 casing at 1350.44' with 330 sx. cement, 126 sx. Diacel "D", 620# Calcium Chloride, 165# Flocele, 660# Buff Plug, followed with 125 sx. cement around shoe. Cement dropped back, filled annulus with 125 sx. regular cement, 2% Calcium Chloride. Pumped plug to 1321 at 10:40 A.M. 6-20-59. W.O.C. 24 hours. Tested casing 750# 30 minutes - O.K.

Drilled 7-7/8" hole to 5375'. Cored from 5375-5407', recovered 29', from 5407-5464', recovered 57'. Corrected TD from 5464' to 5468' with drill pipe tally. Reamed core hole to 7-7/8". Reached TD at 4:00 A.M. 7-10-59. Ran Schlumberger Induction, Micro and Gamma-Ray Neutron logs to 5467'. Set and cemented 170 jts. 5-1/2" 14# J-55 casing at 5467.83' with 132 sx. cement, 100 sx. Diacel "D", 496# Calcium Chloride. Pumped plug to 5446' at 11:00 A.M. 7-11-59. W.O.C. 24 hours. Tested casing 1000# for 30 minutes. Tested O.K.

Ran 170 jts. 2-1/2" EUS tubing. Tagged bottom at 5446'. Set tubing at 5419.71'. Released rotary 4:00 A.M. 7-12-59. Moved in well service unit 7-30-59, pulled tubing. Ran Gamma Ray Collar Locator log to 5428'. Perforated 5-1/2" casing with 4 jet shots per foot from 5362-64' EL and RL measurements. Ran Baker Model K magnesium retainer and set at 5350' on wire line. Tested tubing 5000#, casing to 2000#, broke formation at 3900#, bled to 2000#. Pumped in 3' at 3600#, mixed 50 sx. regular cement, .3% Diacel "D", 9% Diacel "A". Squeezed perforations 5362-64' with 8 sx. cement at 4400# maximum pressure, 4300# holding pressure. Reversed out 42 sx. cement. Job complete 12:20 P.M. 8-2-59. Pulled tubing. Ran tubing with bit. Drilled plug at 5446'. Drilled retainer at 5350 and cement to 5364. Drilled cement and float collar to 5467'. Perforated 5-1/2" casing with 4 jet shots per foot using EL and RL measurements, 5384-95, 5402-05, 5458-64'. Ran 2-1/2" EUS tubing with Baker HGJ packer (Rockwell) and Guberson hydraulic holddown. Set packer at 5376'. Acidized perforations 5384-95, 5402-05 and 5468-64' with 2500 gallons 15% regular acid. Maximum pressure 4500#, broke to 3200#. Shut in 10 minutes - pressure 1000#. Treating rate 2.8 BPM, flush rate 3 BPM. Flushed with 35 barrels of oil. Tubing on vacuum. GEORGIAN OIL FIELD  
8/1/59 - 24 hour test. Flowed 258 BO, 7 PW, 3/4" choke, 278.9 MCF Gas, TP 85-110#, killed well, pulled tubing and packer. Reran tubing with Baker retrievable bridge plug and Baker HGJ packer. Set bridge plug at 5359'. Packer set at 5290'. Tested bridge plug w/3250# - O.K. Pulled tubing, set wire line junk basket at 5352'. Perforated Ismay from 5332-46 EL and RL measurements. Retrieved junk basket, reran tubing, set at 5355'. Packer at 5225'. Flowed 254 BO, no water in 12 hours, FIP 25# through 2" lips. Flowed 12 hours through 1/2" choke, 166 BO, 0 water, TP 75-100#. GOR 497. 8-13-59.

# CHEMICAL & GEOLOGICAL LABORATORIES

Casper Glendive Farmington Sterling

## FULL DIAMETER CORESTUDY

Operator Phillips Petroleum Co. Field Ratherford, San Juan Co., Formation Paradox  
Utah

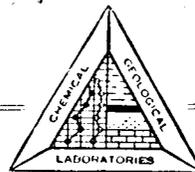
Well No. Navajo No. B-6 Location NE SW 10-41S-24E Depths 5375' - 5407'

Elevation 4508 GL Date July 8, 1959 Lab. No. F-1170

| Sample No. | Representative of Feet | Footage       | Permeability |               | Effective Porosity % | Density |        | Saturation % of Pore Space |       | Description |
|------------|------------------------|---------------|--------------|---------------|----------------------|---------|--------|----------------------------|-------|-------------|
|            |                        |               |              | K-90          |                      | Bulk    | Matrix | Residual Oil               | Water |             |
|            | Core No. 1             | 5375' - 5407' |              | Recovered 29' |                      |         |        |                            |       |             |
| 1          | 5375-76                |               | 0.03         | 0.02          | 0.4                  | 2.68    |        | 0                          | 82.4  | NF          |
| 2          | 5376-77                |               | 0.06         | 0.04          | 0.4                  | 2.67    |        | 0                          | 90.3  | NF          |
| 3          | 5377-78                |               | 0.13         | 0.12          | 0.3                  | 2.67    |        | 0                          | 66.7  | NF          |
| 4          | 5378-79                |               | 1.15         | 1.04          | 7.6                  | 2.72    |        | Trace                      | 23.4  | NF          |
| 5          | 5379-80                |               | 0.94         | 0.61          | 19.3                 | 2.70    |        | 1.0                        | 8.5   | NF          |
| 6          | 5380-81                |               | 3.81         | 3.17          | 24.7                 | 2.68    |        | 1.3                        | 10.9  | NF          |
| 7          | 5381-82                |               | 5.22         | 1.70          | 22.6                 | 2.68    |        | 2.8                        | 9.4   | VF          |
| 8          | 5382-83                |               | 2.50         | 0.85          | 16.6                 | 2.65    |        | 3.1                        | 8.5   | HF          |
| 9          | 5383-84                |               | 1.54         | 1.44          | 18.1                 | 2.69    |        | 3.0                        | 11.2  | NF          |
| 10         | 5384-85                |               | 3.27         | 2.75          | 18.4                 | 2.67    |        | 1.7                        | 10.0  | NF          |
| 11         | 5385-86                |               | 1.10         | 0.91          | 18.6                 | 2.66    |        | 2.7                        | 9.0   | NF          |
| 12         | 5386-87                |               | 3.30         | 1.97          | 10.7                 | 2.69    |        | 1.7                        | 10.5  | NF          |
| 13         | 5387-88                |               | 6.69         | 2.38          | 5.2                  | 2.69    |        | Trace                      | 17.5  | NF, Sty     |
| 14         | 5388-89                |               | 8.30         | 0.27          | 5.8                  | 2.67    |        | 1.6                        | 17.8  | VF          |
| 15         | 5389-90                |               | 0.22         | 0.05          | 2.0                  | 2.69    |        | 0                          | 18.5  | VF          |
| 16         | 5390-91                |               | 0.04         | 0.03          | 1.7                  | 2.70    |        | 0                          | 20.7  | NF          |
| 17         | 5391-92                |               | 2.63         | 0.09          | 0.9                  | 2.68    |        | 0                          | 42.2  | VF          |
| 18         | 5392-93                |               | 6.69         | 6.34          | 1.1                  | 2.69    |        | 0                          | 81.6  | NF, Sty     |
| 19         | 5393-94                |               | 0.78         | 0.23          | 2.4                  | 2.68    |        | 10.8                       | 56.7  | VF          |
| 20         | 5394-95                |               | 0.09         | 0.07          | 2.1                  | 2.63    |        | 14.3                       | 82.9  | NF          |
| 21         | 5395-96                |               | 0.08         | 0.05          | 0.8                  | 2.61    |        | 0                          | 93.9  | NF          |
| 22         | 5396-97                |               | 0.08         | 0.03          | 1.2                  | 2.66    |        | 0                          | 66.7  | NF, Sty     |
| 23         | 5397-98                |               | 1.31         | 0.78          | 8.5                  | 2.66    |        | 6.7                        | 18.6  | NF, SVu     |
| 24         | 5398-99                |               | 0.83         | 0.49          | 10.8                 | 2.65    |        | 6.9                        | 18.1  | NF, Vu      |
| 25         | 5399-5400              |               | 0.97         | 0.74          | 7.3                  | 2.69    |        | 8.4                        | 17.5  | VF, Vu      |

| Sample No. | Representative of Feet | Footage     | Permeability        |      | Effective Porosity % | Density |        | Saturation % of Pore Space |       | Description |
|------------|------------------------|-------------|---------------------|------|----------------------|---------|--------|----------------------------|-------|-------------|
|            |                        |             | K                   | K-90 |                      | Bulk    | Matrix | Residual Oil               | Water |             |
|            | Core No. 1             | (continued) |                     |      |                      |         |        |                            |       |             |
| 26         | 5400-01                |             | 0.84                | 0.63 | 5.4                  | 2.67    |        | 1.9                        | 18.1  | VF, Vu      |
| 27         | 5401-02                |             | 0.07                | 0.04 | 6.3                  | 2.70    |        | 11.4                       | 14.6  | NF, SVu     |
| 28         | 5402-03                |             | 0.04                | 0.03 | 1.0                  | 2.69    |        | 0                          | 75.0  | NF, Sty     |
| 29         | 5403-04                |             | 0.07                | 0.05 | 0.8                  | 2.68    |        | 0                          | 83.4  | NF          |
|            | Legend:                |             |                     |      |                      |         |        |                            |       |             |
|            | NF                     | -           | No fracture         |      |                      |         |        |                            |       |             |
|            | VF                     | -           | Vertical fracture   |      |                      |         |        |                            |       |             |
|            | HF                     | -           | Horizontal fracture |      |                      |         |        |                            |       |             |
|            | SVu                    | -           | Slightly vugular    |      |                      |         |        |                            |       |             |
|            | Vu                     | -           | Vugular             |      |                      |         |        |                            |       |             |
|            | Sty                    | -           | Stylolite           |      |                      |         |        |                            |       |             |

# CHEMICAL & GEOLOGICAL LABORATORIES



CHEMISTS      CORE ANALYSTS      ENGINEERS

P. O. BOX 279  
CASPER, WYOMING

July 31, 1959  
Farmington, New Mexico

Phillips Petroleum Company  
P. O. Box 548  
Cortez, Colorado

Re: Core Analysis Report  
Navajo No. B-6  
Ratherford, Utah

Gentlemen:

On July 8, 1959, Chem Lab was called upon to fly our company plane to White Mesa, Utah to pick up a core from the subject well.

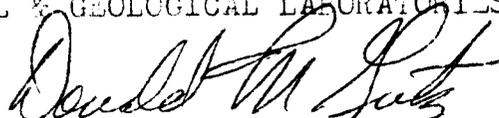
The core was returned to the laboratory, where our Service "C", full diameter core analysis was utilized in testing these samples.

Further testing of subsequent cores from this well was not accomplished in this laboratory, since there was a misunderstanding as to which commercial laboratory was to be used.

Again, Chem Lab extends its thanks for this further opportunity to be of service.

Very truly yours,

CHEMICAL & GEOLOGICAL LABORATORIES

  
Donald M. Gutz, Manager  
Farmington Branch

DMG/en

Phillips Petroleum Company  
Navajo No. B-6  
Ratherford, San Juan Co., Utah

Distribution for Final Report:

|          |  |
|----------|--|
| 5 copies | Phillips Petroleum Company<br>Mr. C. M. Boles<br>P. O. Box 548<br>Cortez, Colorado             |
| 1 copy   | Phillips Petroleum Company<br>Mr. Earl Griffin<br>Phillips Building<br>Bartlesville, Oklahoma  |
| 1 copy   | Phillips Petroleum Company<br>Mr. C. E. Turner<br>Adams Building<br>Bartlesville, Oklahoma     |
| 1 copy   | Phillips Petroleum Company<br>Mr. R. O. Dunbar<br>515 Bank Building<br>Bartlesville, Oklahoma  |
| 1 copy   | Phillips Petroleum Company<br>Mr. Frank Earle<br>1200 Denver Club Building<br>Denver, Colorado |
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| 1 copy   | Aztec Oil & Gas Company<br>Mr. W. L. Patterson<br>P. O. Box 786<br>Farmington, New Mexico      |
| 2 copies | Superior Oil Company<br>Mr. H. Kaine<br>306 Simms Building<br>Albuquerque, New Mexico          |
| 1 copy   | Aztec Oil & Gas Company<br>Mr. E. M. Aderson<br>920 Mercantile Security Bldg.<br>Dallas, Texas |
| 1 copy   | CHEMICAL & GEOLOGICAL LABORATORIES<br>220 West Broadway<br>Farmington, New Mexico              |
| Invoice: | Phillips Petroleum Company<br>P. O. Box 548<br>Cortez, Colorado                                |





PHILLIPS PETROLEUM COMPANY  
P. O. Drawer 1150  
Cortez, Colorado

August 15, 1963

Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City 11, Utah

Attention: Mr. Cleon B. Feight

Dear Sirs:

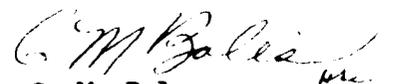
In accordance with Rule E-4 of the Utah General Rules and Regulations, we wish to advise that the following wells located on the Ratherford Unit in San Juan County, Utah, were converted to water injection wells.

| Old Well No. | New Well No. | Date Converted | Length of Test | Injection Rate | Injection Pressure |
|--------------|--------------|----------------|----------------|----------------|--------------------|
| 14-43        | 14W43        | 8-3-63         | 24 hrs         | 914 BW         | 350#               |
| 1-34         | 1W34         | 8-5-63         | 20 hrs         | 81 BW          | 450#               |
| 6-23         | 6W23         | 8-6-63         | 24 hrs         | 2300 BW        | 150#               |
| 10-21        | 10W21        | 8-8-63         | 24 hrs         | 480 BW         | 2300#              |
| 15-21        | 15W21        | 8-12-63        | 24 hrs         | 280 BW         | 2250#              |

Details of the above conversions will be furnished on USGS Form No. 9-331b in the near future.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

  
C. M. Boles  
District Superintendent

bh

(SUBMIT IN TRIPPLICATE)

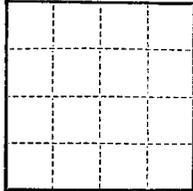
Indian Agency \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Tribal \_\_\_\_\_

Allottee **14-20-603-4043**

Lease No. \_\_\_\_\_



**SUNDRY NOTICES AND REPORTS ON WELLS**

|   |  |                                     |
|---|--|-------------------------------------|
| NOTICE OF INTENTION TO DRILL _____                  | SUBSEQUENT REPORT OF WATER SHUT-OFF _____        | <input checked="" type="checkbox"/> |
| NOTICE OF INTENTION TO CHANGE PLANS _____           | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING _____ | <input type="checkbox"/>            |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF _____    | SUBSEQUENT REPORT OF ALTERING CASING _____       | <input type="checkbox"/>            |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL _____ | SUBSEQUENT REPORT OF REDRILLING OR REPAIR _____  | <input type="checkbox"/>            |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE _____       | SUBSEQUENT REPORT OF ABANDONMENT _____           | <input type="checkbox"/>            |
| NOTICE OF INTENTION TO PULL OR ALTER CASING _____   | SUPPLEMENTARY WELL HISTORY _____                 | <input type="checkbox"/>            |
| NOTICE OF INTENTION TO ABANDON WELL _____           |  | <input type="checkbox"/>            |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Navajo "B"

Cortez, Colorado September 25, 1959

Well No. **6** is located **810** ft. from **N** line and **1980** ft. from **W** line of sec. **10**

**NE, NW, Sec. 10** **41S** **24E** **SLM**

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

\*White Mesa

San Juan

Utah

\*Now known as **Hubbards Field**.

(County or Subdivision)

(State or Territory)

The elevation of the ~~drift~~ <sup>ungraded ground</sup> above sea level is **4508.4** ft.

**CONFIDENTIAL**

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 6:00 P.M. 6-16-59. Drilled 17-1/4" hole to 178'. Set and cemented 4 jts. 13-3/8" OD 27.1# Armeo SW SJ casing at 178' with 175 sx. cement, 2% Calcium Chloride. Pumped plug to 165'. Cement circulated. Job completed 12:30 A.M. 6-18-59. WOC 24 hours.

Drilled 11" hole to 1351'. Set and cemented 45 jts. 8-5/8" OD 24# J-55 casing at 1350.44' with 330 sx. cement, 126 sx. Diacel "D", 620# Calcium Chloride, 165# Floccs, 660# Tuff Plug, followed with 125 sx. cement around shoe. Cement dropped back, filled annulus with 125 sx. regular cement, 2% Calcium Chloride. Pumped plug to 1321 at 10:30 A.M. 6-20-59. W.O.C. 24 hours. Tested casing 750# 30 minutes - O.K.

Drilled 7-7/8" hole to 5375'. Cored from 5375-5407', recovered 29', from 5407-5464', recovered 57'. Corrected TD from 5464' to 5468' with drill pipe tally. Reamed core hole to 7-7/8". Reached TD at 4:00 A.M. 7-10-59. Ran Schlumberger Induction, Micro & Gamma-Ray Neutron logs to 5467'. (Cont'd on back side)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Phillips Petroleum Company**

Address **P. O. Drawer 1150**

**Cortez, Colorado**

By *G. M. Boles*  
**G. M. Boles**  
District Superintendent

Title \_\_\_\_\_

SEP 5 1959

Set and cemented 170 jts. 5-1/2" 14# J-55 casing at 5467.83' with 132 sx. cement, 100 sx. Diacel "D", 496# Calcium Chloride. Pumped plug to 5446' at 11:00 A.M. 7-11-59. W.O.C. 24 hours. Tested casing 1000# 30 minutes - O.K.

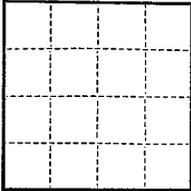
(SUBMIT IN TRIPLICATE)

Indian Agency **Navajo**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee **Tribal**

Lease No. **14-20-603-4043**



**SUNDRY NOTICES AND REPORTS ON WELLS**

|   |  |          |
|---|--|----------|
| NOTICE OF INTENTION TO DRILL                  | SUBSEQUENT REPORT OF WATER SHUT-OFF        |          |
| NOTICE OF INTENTION TO CHANGE PLANS           | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |          |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF    | SUBSEQUENT REPORT OF ALTERING CASING       |          |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL | SUBSEQUENT REPORT OF REDRILLING OR REPAIR  |          |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE       | SUBSEQUENT REPORT OF ABANDONMENT           |          |
| NOTICE OF INTENTION TO PULL OR ALTER CASING   | SUPPLEMENTARY WELL HISTORY                 | <b>X</b> |
| NOTICE OF INTENTION TO ABANDON WELL           |  |          |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**Navajo "B"** **Cortes, Colorado** **September 25**, 19 **59**

Well No. **6** is located **810** ft. from **(N)** line and **1980** ft. from **(E)** line of sec. **10**

**NE, NW, Sec. 10** **41S** **24E** **SLM**

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

**White Pass**

**San Juan**

**Utah**

**\*Now known as Rutherford Field.**

(Field)

(County or Subdivision)

(State or Territory)

**ungraded ground**

The elevation of the derrick floor above sea level is **4508.4** ft.

**CONFIDENTIAL**

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ran 170 jts. 2-1/2" EUE tubing. Tagged bottom at 5446'. Set tubing at 5419.71'. Released rotary 4:00 A.M. 7-12-59. Moved in well service unit 7-30-59, pulled tubing. Ran Gamma Ray collar locator log to 5428'. Perforated 5-1/2" casing with 4 jet shots per foot from 5362-64' RL and RL measurements. Ran Baker Model K magnesium retainer and set at 5350' on wire line. Tested tubing 5000#, casing to 2000#, broke formation at 3900#, bled to 2000#. Pumped in 3 BW at 3600#, mixed 50 sx. regular cement, .3% Diacel L&L, 3% Diacel "A". Squeezed perforations 5362-64' with 8 sx. cement at 4400# maximum pressure, 4300# holding pressure. Reversed out 42 sx. cement. Job complete 12:20 P.M. 8-2-59. Pulled tubing. Ran tubing with bit. Drilled plug at 5446'. Drilled retainer at 5350 and cement to 5364. Drilled cement and float collar to 5467'. Perforated 5-1/2" casing with 4 jet shots per foot using RL and RL measurements, 5384-95, 5402-05, 5458-64'. Ran 2-1/2" EUE tubing with Baker EGJ packer (Hookwall) and Guiberson hydraulic holddown. Set packer at 5376'. (Continued on back side)

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

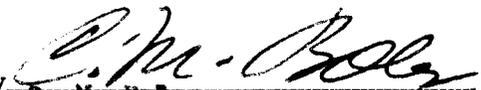
**Phillips Petroleum Company**

Company \_\_\_\_\_

**P. O. Drawer 1150**

Address \_\_\_\_\_

**Cortes, Colorado**

By   
**C. M. Boles**

Title **District Superintendent**

SEP 30 1959

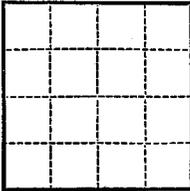
Acidized perforations 5384-95, 5402-05 and 5468-64' with 2500 gallons 15% regular acid. Maximum pressure 4500#, broke to 3200#. Shut in 10 minutes - pressure 1000#. Treating rate 2.8 BPM, flush rate 3 BPM. Flushed with 35 barrels of oil. Tubing on vacuum.

8/1/59 24 hr test. Flowed 258 BO, 7 BW, 3/4" choke, 278.9 MCF Gas, TP 85-110#, killed well, pulled tubing and packer. Reran tubing with Baker retrievable bridge plug and Baker HGI packer. Set bridge plug at 5359'. Packer set at 5290'. Tested bridge plug w/ 3250# - O.K. Pulled tubing, set wire line junk basket at 5352'. Perforated Ismay from 5332-46 EL and RL measurements. Retrieved junk basket, reran tubing, set at 5355'. Packer at 5225'. Flowed 254 BO, no water in 12 hours, FTP 25# through 2" line. Flowed 12 hours ~~XXXXXXXXXX~~ through 1/2" choke, 166 BO, 0 water, TP 75-100#. GOR 497. 8-13-59.

Copy H. L. C.

(SUBMIT IN TRIPLICATE)

Indian Agency Havasupai



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal  
24-20-403-403  
Lease No. \_\_\_\_\_

SUNDRY NOTICES AND REPORTS ON WELLS

|   |          |  |  |
|---|----------|--|--|
| NOTICE OF INTENTION TO DRILL                  |          | SUBSEQUENT REPORT OF WATER SHUT-OFF        |  |
| NOTICE OF INTENTION TO CHANGE PLANS           |          | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING |  |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF    |          | SUBSEQUENT REPORT OF ALTERING CASING       |  |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL |          | SUBSEQUENT REPORT OF REDRILLING OR REPAIR  |  |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE       |          | SUBSEQUENT REPORT OF ABANDONMENT           |  |
| NOTICE OF INTENTION TO PULL OR ALTER CASING   |          | SUPPLEMENTARY WELL HISTORY                 |  |
| NOTICE OF INTENTION TO ABANDON WELL           |          |  |  |
| <b>Notice of intention to squeeze</b>         | <b>X</b> |  |  |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

**Is any perfor-**  
**tions 5332-46 and convert to Desert Creek later injection.**

Cortez, Colorado March 20, 1963

**Rutherford Unit (formerly Phillips Petroleum Co. Navajo E-6)**

Well No. 10-21 is located 820 ft. from N line and 1900 ft. from W line of sec. 10

NE, NW Sec. 10  
(1/4 Sec. and Sec. No.)

41S  
(Twp.)

24E  
(Range)

SLM  
(Meridian)

Greater Aneth  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

**ungraded ground**

The elevation of the ~~drainage~~ above sea level is 4908.4 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**Kill well. Pull rods and tubing, run Halliburton BW bridge plug on bottom of Halliburton RTTS tool. Set plug at 5370'. Pull up above Isany perforations and set RTTS tool at 5317'. Breakdown. Mix 50 sbs common cement and squeeze perforations 5332-46 with holding pressure of 1500# maximum, 1000# minimum. Circulate out. Drill out cement and plug and circulate out to Plugged Back TD of 5467' using gelled water. Displace drilling fluid with clean water. Run 2-1/2" Marlex Plastic lined tubing with Baker Tension Packer at 5361' (15' below squeezed perforations) and convert to Desert Creek zone water injection well.**

**Present Production: 72 BO, 73 MCF gas, & BW in 24 hours pumping.**

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150

Cortez, Colorado

By C. M. Boles  
**C. M. Boles**

Title Dist. Supt.  
**Dist. Supt.**

Copy  
M...

Copy H-2-E

Budget Bureau No. 49-R350.4.  
Approval expires 12-31-60.

Form 9-331 b  
(April 1962)

(SUBMIT IN TRIPLICATE)

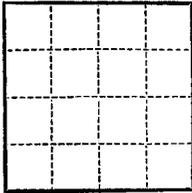
Indian Agency

NAVAJO

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee TRIBAL

Lease No. 14-20-603-4063



SUNDRY NOTICES AND REPORTS ON WELLS

|  |   |
|--|---|
| NOTICE OF INTENTION TO DRILL.....                  | SUBSEQUENT REPORT OF WATER SHUT-OFF.....        |
| NOTICE OF INTENTION TO CHANGE PLANS.....           | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....    | SUBSEQUENT REPORT OF ALTERING CASING.....       |
| NOTICE OF INTENTION TO REDRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....  |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....       | SUBSEQUENT REPORT OF ABANDONMENT.....           |
| NOTICE OF INTENTION TO PULL OR ALTER CASING.....   | SUPPLEMENTARY WELL HISTORY.....                 |
| NOTICE OF INTENTION TO ABANDON WELL.....           |   |

Subsequent report to Squeeze Ismay X perforations 5332-46 & convert to Desert Creek water injection.

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Cortez, Colorado September 23, 1963

Ratherford Unit (Formerly Ratherford Unit 10-21)

Well No. 10#21 is located 810 ft. from <sup>N</sup> line and 1980 ft. from <sup>NE</sup> line of sec. 10

|  |                                     |                              |                   |
|--|-------------------------------------|------------------------------|-------------------|
| NE NW Sec. 10<br>(4 Sec. and Sec. No.) | 41S<br>(Twp.)                       | 24E<br>(Range)               | 31M<br>(Meridian) |
| Greater Aneth<br>(Field)               | San Juan<br>(County or Subdivision) | Utah<br>(State or Territory) |                   |

The elevation of the ~~ground~~ ungraded ground above sea level is 4508.4 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Converted well to Water injection. (6-25-63 through 6-29-63).  
Ran Bridge Plug and Retrievmatic packer, squeezed Ismay perforations 5332-46', drilled out cement to PB 5467'. Shut well down 6-29-63 through 8-7-63.  
On 8-8-63 ran 2-3/8" OD LUE tubing with Marlex Liner and Baker Tension Packer. Hooked well up for water injection and started injecting water 8-8-63. Changed well classification from pumping oil well to Water Injection well and changed well number from 10-21 to 10#21.

Present Injection Rate: Injected 480 PW in 24 hours at 2300#, Greater Aneth Field - Paradox formation, Desert Creek Zone.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150

Cortez, Colorado

By C. M. Soles  
C. M. Soles  
Dist. Supt.

N.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TR. ATE\*  
(Other instruction in re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

11-20-693-1043

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

1021

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

11. SEC., T., E., M., OR BLEK, AND SURVEY OR AREA

Sec 10-41S-24E S1M

12. COUNTY OR PARISH 13. STATE

San Juan Co 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

Water Injection well

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Drawer 1150, Cortez, Colorado

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

NE<sub>1/4</sub> NW  
810' from North line and 1980' from West Line Section  
10-T41S-R24E, San Juan County, Utah

14. PERMIT NO.

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

4508.4 ungraded ground

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

Acidize Water Injection well with 2,000 gallons regular 15% acid, 250 gallons Sol Block, and 2,000 gallons 15% regular acid to increase injection rate.

Present Injection Rate: 341 BWPD at 2650#.

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

SIGNED G. M. Boies

TITLE Area Supt.

DATE 2-7-64

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Copy H-X-4

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN  
(Other instructions  
reverse side)

CATE\*  
on re-

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-4043

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Rutherford Unit

8. FARM OR LEASE NAME

10W21

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT  
KANE Greater Aneth Field

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

See 10-41S-24 E SIM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1.

OIL WELL  GAS WELL  OTHER  Water Injection Well

2. NAME OF OPERATOR

PHILLIPS PETROLEUM COMPANY

3. ADDRESS OF OPERATOR

P. O. Drawer 1150 Cortez, Colo.

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

810' FNL and 1980' FNL Sec 10-T41S-R24E, NE NW Sec. 10  
San Juan County Utah

14. PERMIT NO.

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

4508.4 ungraded ground

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

NOTICE OF INTENTION TO:

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

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

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

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

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

On 2-20-64, acidized Desert Creek with 1000 gallons regular acid, hooked up and started injecting water.

Previous Injection Rate from Greater Aneth - Paradox, Desert Creek Zone:

Injected 316 BW in 24 hours at 2650#.

Present Injection Rate from Greater Aneth - Paradox, Desert Creek Zone:

Injected 739 BW in 24 hours at 2400#.

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

SIGNED C. M. Boles

TITLE C. M. Boles, Area Supt.

DATE 3-6-64

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

W.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPL. .TE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

**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. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <b>Water Injection</b></p> <p>2. NAME OF OPERATOR<br/><b>Phillips Petroleum Co.</b></p> <p>3. ADDRESS OF OPERATOR<br/><b>Box 1150, Cortez, Colorado 81321</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br/>See also space 17 below.)<br/>At surface<br/><b>310' FWL and 1980' FWL Sec. 10</b></p> <p>14. PERMIT NO.</p> | <p>5. LEASE DESIGNATION AND SERIAL NO.<br/><b>11-20-603-1043</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br/><b>Navajo Tribe</b></p> <p>7. UNIT AGREEMENT NAME<br/><b>SW-I-4192</b></p> <p>8. FARM OR LEASE NAME<br/><b>Rutherford Unit</b></p> <p>9. WELL NO.<br/><b>1043</b></p> <p>10. FIELD AND POOL, OR WILDCAT<br/><b>Greater Aneth</b></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br/><b>10-418-24E 31M</b></p> <p>12. COUNTY <b>San Juan</b> 13. STATE <b>Utah</b></p> |
| <p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br/><b>4506.4 ungraded ground</b></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 checked="" 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) _____                                  |  |

(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.)\*

Treat well with 1000 gallons of 15% acid, 200 gallons temporary block, and 1000 gallons of 15% acid in attempt to increase current injection rate.

Current Injection Rate: 395 g/DPD at 2500#.

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

SIGNED C. M. Bolen TITLE District Superintendent DATE 8-6-65  
C. M. Bolen

(This space for Federal or State office use)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN \_\_\_\_\_ DATE\*  
(Other Instruc. on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

11-20-603-10A3

6. IF INDIAN, ALLOTTED OR TRIBE NAME

Navajo Tribe

7. UNIT AGREEMENT NAME

45-I-1192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

11221

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

10-413-242 51N

12. COUNTY OF \_\_\_\_\_

San Juan

13. STATE

NM

**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  **Water Injection**

2. NAME OF OPERATOR **Phillips Petroleum Co.**

3. ADDRESS OF OPERATOR **Box 1150, Cortez, Colorado**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
**810' FWL and 1900' FWL Sec. 10**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4508.4 ungraded ground**

12. COUNTY OF \_\_\_\_\_

San Juan

13. STATE  
**NM**

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) <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 checked="" 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.)\*

**On August 5, 1965 acidized well with 1000 gallons regular acid, 200 gallons Hlock, 1000 gallons regular acid down tubing. Resumed water injection.**

**Previous Injection Rate: 395 BWPD at 2500#.**  
**Present Injection Rate: 1152 BWPD at 2500#.**

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

SIGNED C. M. Salas

TITLE **District Superintendent**

DATE **9-8-65**

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TR. ATE\*  
(Other instruction on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

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 type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection Well</b>                                     |  | 5. LEASE DESIGNATION AND SERIAL NO.<br><b>14-20-603-4043</b>             |
| 2. NAME OF OPERATOR<br><b>Phillips Petroleum</b>   |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br><b>Navajo Tribe</b>              |
| 3. ADDRESS OF OPERATOR<br><b>Drawer 1150, Cortez, Colorado 81321</b>   |  | 7. UNIT AGREEMENT NAME<br><b>SW-I-4192</b>                               |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br>See also space 17 below.)<br>At surface<br><b>810' FNL and 1980' WL, Sec. 10</b> |  | 8. FARM OR LEASE NAME<br><b>Rutherford Unit</b>                          |
| 14. PERMIT NO.   | 15. ELEVATIONS (Show whether DF, RT, GR, etc.)<br><b>4508.4' ungraded ground</b> | 9. WELL NO.<br><b>10421</b>  |
|  |  | 10. FIELD AND POOL, OR WILDCAT<br><b>Greater Anasazi</b>                 |
|  |  | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br><b>10-41S-24E 5M</b> |
|  |  | 12. COUNTY OR TERRITORY<br><b>San Juan</b>                               |
|  |  | 13. STATE<br><b>Utah</b>   |

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

| NOTICE OF INTENTION TO:                              |   | SUBSEQUENT REPORT OF:                          |  |
|--|---|--|--|
| TEST WATER SHUT-OFF <input type="checkbox"/>         | PULL OR ALTER CASING <input type="checkbox"/> | 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 checked="" 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) _____                                  |  |

(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.)\*

In attempt to increase injectivity acidize well with 1000 gallons 15%, 200 gallons Sol Block, and 1000 gallons 15% acid and return to injection service.

Present Injection Rate: 533 BWPD at 2575#.

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

SIGNED *C. H. Balon* TITLE Dist. Supt. DATE 9-9-65

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**14-20-603-4043**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**Navajo**

7. UNIT AGREEMENT NAME

**SM-T-4192**

8. FARM OR LEASE NAME

**Rutherford Unit**

9. WELL NO.

**10421**

10. FIELD AND POOL, OR WILDCAT

**Greater Aneth**

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

**10-410-242 SIX**

12. COUNTY \_\_\_\_\_ SH 13. STATE

**San Juan**

**Utah**

1. OIL WELL  GAS WELL  OTHER  **Water Injection**

2. NAME OF OPERATOR

**Phillips Petroleum Company**

3. ADDRESS OF OPERATOR

**Box 1150, Cortez, Colorado**

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

**210' FNL and 1980' FNL, Sec. 10**

14. PERMIT NO.

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

**4508.4' ungraded ground**

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

**On September 14, 1965 acidized water injection well down tubing with 1000 gallons 1% regular acid with 2 gallons of I-5 additive, 200 gallons block, followed with 1000 gallons 1% regular acid with 2 gallons of I-5 additive.**

**PREVIOUS INJECTION RATES: (Paradox Formation, Desert Creek Zone):**

**500 BWPD at 2775%.**

**PRESENT INJECTION RATES: (Paradox Formation, Desert Creek Zone):**

**50% BWPD at 2500%.**

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

SIGNED **C. H. Dolan**

TITLE **Dist. Supt.**

DATE **9-24-65**

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
ROOM 4241 STATE OFFICE BUILDING  
SALT LAKE CITY, UTAH 84114  
(801) 533-5771  
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1  
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF  
PHILLIPS PETROLEUM COMPANY  
ADDRESS P.O. BOX 2920  
CASPER, WYOMING ZIP 82602  
INDIVIDUAL PARTNERSHIP  CORPORATION             
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
INJECT FLUID INTO THE 10W21 WELL  
SEC. 10 TWP. 41S RANGE 24E  
SAN JUAN COUNTY, UTAH

CAUSE NO. C-3(B)

|                             |                                     |
|-----------------------------|-------------------------------------|
| ENHANCED RECOVERY INJ. WELL | <input checked="" type="checkbox"/> |
| DISPOSAL WELL               | <input type="checkbox"/>            |
| LP GAS STORAGE              | <input type="checkbox"/>            |
| EXISTING WELL (RULE I-4)    | <input checked="" type="checkbox"/> |

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

|   |  |   |                                    |
|---|--|---|------------------------------------|
| Lease Name<br><u>Ratherford Unit</u>  | Well No.<br><u>10W21</u>   | Field<br><u>Greater Aneth</u>   | County<br><u>San Juan</u>          |
| Location of Enhanced Recovery<br>Injection or Disposal Well <u>10W21</u> Sec. <u>10</u> Twp. <u>41S</u> Rge. <u>24E</u>                   |  |   |                                    |
| New Well To Be Drilled<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>   | Old Well To Be Converted<br>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  | Casing Test<br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>5-83</u> |                                    |
| Depth-Base Lowest Known<br>Fresh Water Within 1/2 Mile <u>Wingate 1550'</u>   | Does Injection Zone Contain<br>Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> |   | State What<br><u>Oil &amp; Gas</u> |
| Location of<br>Injection Source(s) <u>Desert Creek Paradox I &amp; II<br/>San Juan River</u>  | Geologic Name(s) <u>Desert Creek (5567')</u><br>and Depth of Source(s) <u>San Juan River (Surface)</u>                                 |   |                                    |
| Geologic Name of<br>Injection Zone <u>Desert Creek I</u>  | Depth of Injection<br>Interval <u>5384</u> to <u>5464</u>  |   |                                    |
| a. Top of the Perforated Interval: <u>5384</u>  | b. Base of Fresh Water: <u>1550'</u>   | c. Intervening Thickness (a minus b)<br><u>3834</u>   |                                    |
| Is the intervening thickness sufficient to show fresh water will be protected<br>without additional data? YES NO <u>See Attachment #4</u> |  |   |                                    |
| Lithology of Intervening Zones <u>See Attachment #1</u>   |  |   |                                    |
| Injection Rates and Pressures<br>Maximum <u>133 (12/82)</u> B/D<br><u>2600</u> PSI  |  |   |                                    |
| The Names and Addresses of Those to Whom Notice of Application Should be Sent.  |  |   |                                    |
| <u>Navajo Tribe, Minerals Dept., P.O. Box 146, Window Rock, AZ 86515</u>  |  |   |                                    |
| <u>Superior Oil, P.O. Box 4530, The Woodlands, TX 77380</u>   |  |   |                                    |
| <u>Texaco Inc., P.O. Box 2100, Denver, CO 80201</u>   |  |   |                                    |
| <u>Southland Royalty, 1000 Fort Worth Club Tower, Fort Worth, TX 76102</u>  |  |   |                                    |

State of Wyoming

PHILLIPS PETROLEUM COMPANY

County of Natrona

Applicant

Before me, the undersigned authority, on this day personally appeared A. E. Stuart  
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on  
oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated  
therein, and that said report is true and correct.

Suscribed and sworn to before me this 21<sup>st</sup> day of Sept, 19 83

SEAL

DONALD L. HUDSON - Notary Public

Donald L. Hudson

My commission expires

Nov 3, 1984  
County of Natrona

State of  
Wyoming

Notary Public in and for Natrona Co., Wyoming

My Commission Expires Nov 3, 1986

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

## CASING AND TUBING DATA

| NAME OF STRING             | SIZE   | SETTING DEPTH                               | SACKS CEMENT   | TOP OF CEMENT | TOP DETERMINED BY |
|----------------------------|--|---|--|---------------|-------------------|
| Surface                    | 13-3/8"  | 162   | 175  | Surface       | Returns           |
| Intermediate               | 8-5/8"   | 1348  | 581  | Surface       | Returns           |
| Production                 | 5-1/2"   | 5468  | 232  | 4767          | CALCULATED        |
| Tubing                     | 2-3/8"   | 5361  | Name - Type - Depth of Tubing Packer<br>Baker Tension Pkr 5361 |               |                   |
| <b>Total Depth</b><br>5468 | <b>Geologic Name - Inj. Zone</b><br>Desert Creek I | <b>Depth - Top of Inj. Interval</b><br>5384 | <b>Depth - Base of Inj. Interval</b><br>5464                   |               |                   |

(To be filed within 30 days after drilling is completed)

14-20-603- 4043

COMPLETION & TEST DATA BY PRODUCING FORMATION

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

LEASE NO.

API NO. 43-037-16401

DIVISION OF OIL, GAS, AND MINING  
Room 4241 State Office Building  
Salt Lake City, Utah 84114

640 Acres  
N

COUNTY San Juan SEC. 10 TWP. 41S RGE. 24E

COMPANY OPERATING Phillips Petroleum Company

OFFICE ADDRESS P.O. Box 2920

TOWN Casper STATE WY ZIP 82602

FARM NAME \_\_\_\_\_ WELL NO. 10W21

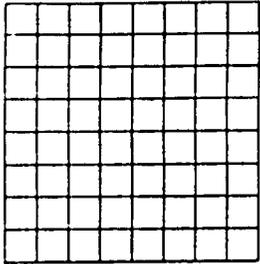
DRILLING STARTED 6-16 19 59 DRILLING FINISHED 7-10 19 59

DATE OF FIRST PRODUCTION 8-19-59 COMPLETED \_\_\_\_\_

WELL LOCATED NE 1/4 NW 1/4

810 FT. FROM N OF 1/4 SEC. & 1980 FT. FROM WL OF 1/4 SEC.

ELEVATION BERRICK FLOOR 4518.4 GROUND 4508.4



Locate Well Correctly  
and Outline Lease

RKB

TYPE COMPLETION

Single Zone X

Multiple Zone \_\_\_\_\_

Comingled \_\_\_\_\_

LOCATION EXCEPTION

OIL OR GAS ZONES

| Name           | From | To   | Name | From | To |
|----------------|------|------|------|------|----|
| Ismay          | 5332 | 5346 |      |      |    |
| Desert Creek I | 5384 | 5464 |      |      |    |

CASING & CEMENT

| Casing Set |       |       |      | Csg. Test | Cement |        |         |
|------------|-------|-------|------|-----------|--------|--------|---------|
| Size       | Wgt.  | Grade | Feet | Psi       | Sax    | Fillup | Top     |
| 13-3/8"    | 27.1# | H-40  | 162  | No Test   | 175    |        | Surface |
| 8-5/8"     | 24#   | J-55  | 1348 | 750       | 518    |        | Surface |
| 5-1/2"     | 14#   | J-55  | 5468 | 1000      | 232    | 700    | 4767    |

TOTAL DEPTH 5468

PACKERS SET Baker Tension Pkr @ 5361

NOTE THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

|   |  |  |  |
|---|--|--|--|
| FORMATION   | <u>Desert Creek I</u>                          |  |  |
| SPACING & SPACING ORDER NO.                                       | <u>40 acre Cause #C-3(B)</u>                   |  |  |
| CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE) | <u>Enhanced Recovery</u>                       |  |  |
| PERFORATED  | <u>5384-95</u>                                 |  |  |
| INTERVALS   | <u>5402-05</u>                                 |  |  |
|   | <u>5458-64</u>                                 |  |  |
| ACIDIZED?   | <u>9/14/65</u><br><u>2000 Gal 15% Reg Acid</u> |  |  |
| FRACTURE TREATED?   | <u>No</u>                                      |  |  |

INITIAL TEST DATA

Squeeze Ismay (5332-46)  
Converted to Injector 6/29/63

|                            |                |           |           |
|----------------------------|----------------|-----------|-----------|
| Date                       | <u>8/8/63</u>  |           |           |
| Oil, bbl./day              | <u>--</u>      |           |           |
| Oil Gravity                | <u>--</u>      |           |           |
| Gas, Cu. Ft./day           | <u>--</u>      | <u>CF</u> | <u>CF</u> |
| Gas-Oil Ratio Cu. Ft./Bbl. | <u>--</u>      |           |           |
| Water-Bbl./day             | <u>480</u>     |           |           |
| Pumping or Flowing         | <u>Pumping</u> |           |           |
| CHOKE SIZE                 | <u>--</u>      |           |           |
| FLOW TUBING PRESSURE       | <u>2300#</u>   |           |           |

A record of the formations drilled through, and pertinent remarks are presented on the reverse.  
(use reverse side)

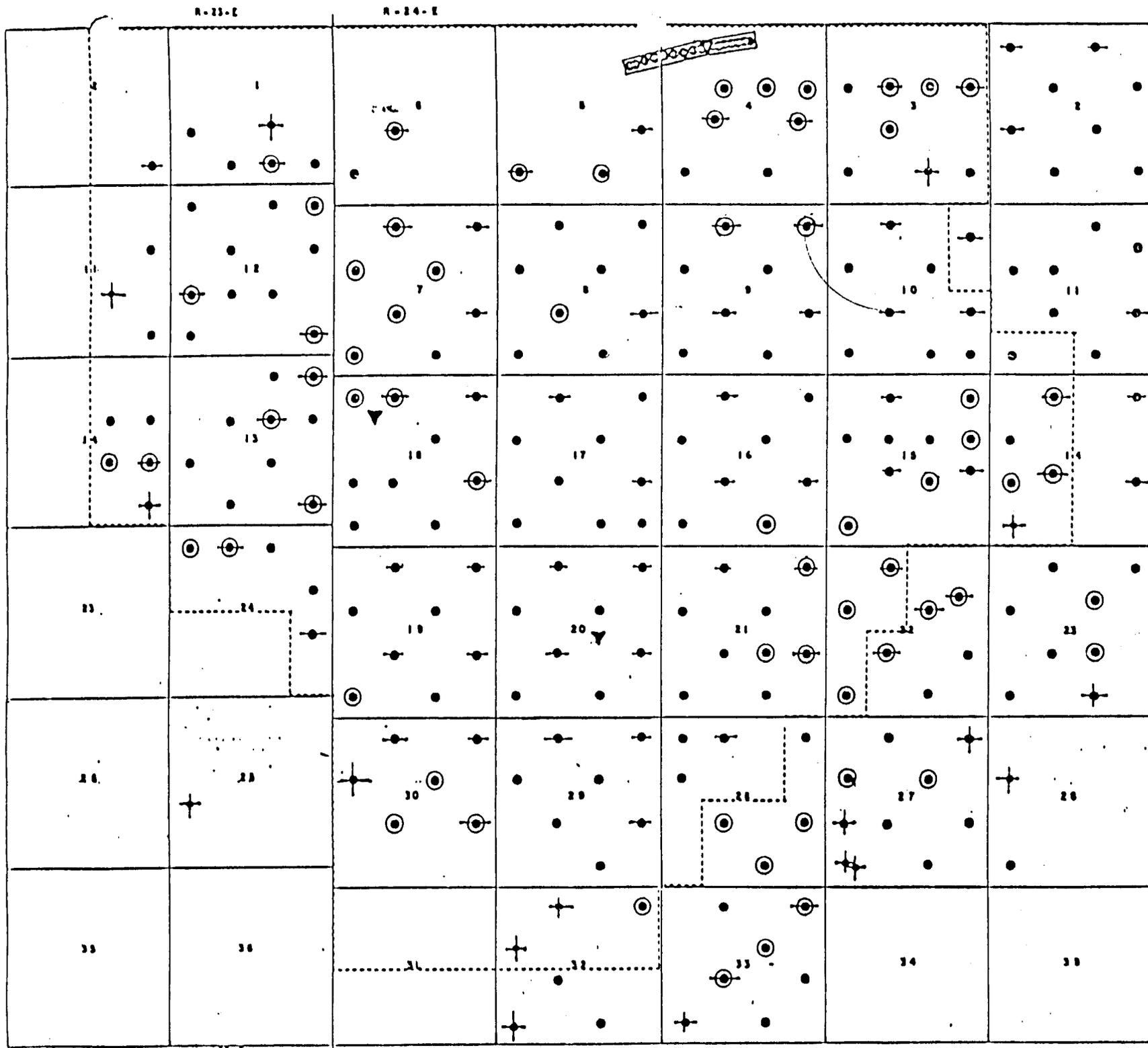
I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone 307-237-3791 A.E. Stuart, Area Manager  
Name and title of representative of company

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_ 1983

Casper





RATHERFORD UNIT  
 SAN JUAN COUNTY, UTAH  
 2" = 1 mile  
 ACT 3-83

- oil producer
- ◄ water injector
- ◻ water supply
- ▼ domestic water
- ⊕ plugged & abandoned
- shut in well
- unit boundary

WATER INJECTION WELL

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

WATER ANALYSIS REPORT

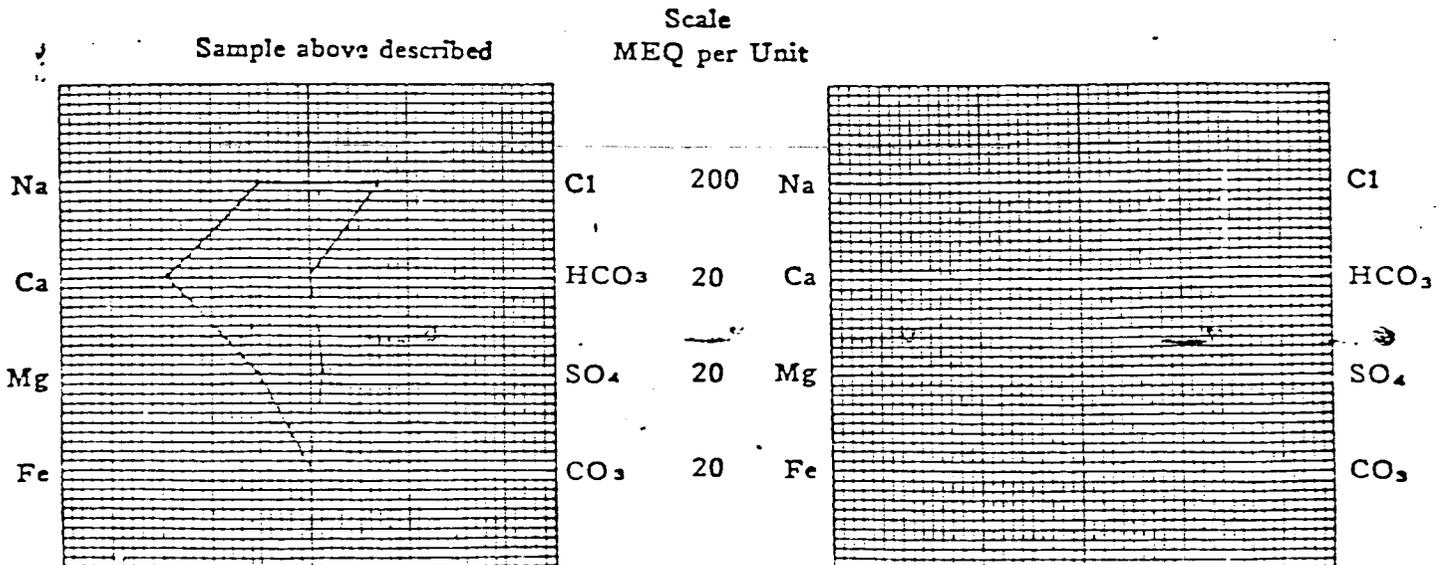
OPERATOR Phillips Petroleum Co. DATE 5-27-83 LAB NO. W30480  
 WELL NO. Rutherford Unit LOCATION \_\_\_\_\_  
 FIELD \_\_\_\_\_ FORMATION \_\_\_\_\_  
 COUNTY San Juan INTERVAL \_\_\_\_\_  
 STATE Utah SAMPLE FROM \_\_\_\_\_

REMARKS & CONCLUSIONS: Specific gravity @68°F ----- 1.0646  
 Oil and grease, mg/l ----- 2.5  
 Aluminum (Al), mg/l ----- 0.90  
 Iron (Fe), mg/l ----- 0.3  
 Total Sulfides, mg/l ----- ND(0.1)

| Cations       |       |         | Anions           |       |         |
|---------------|-------|---------|------------------|-------|---------|
|               | mg/l  | meq/l   |                  | mg/l  | meq/l   |
| Sodium        | 24574 | 1068.99 | Sulfate          | 1190  | 24.75   |
| Potassium     | 396   | 10.14   | Chloride         | 52000 | 1466.40 |
| Lithium       | -     | -       | Carbonate        | 0     | 0.00    |
| Calcium       | 5982  | 298.50  | Bicarbonate      | 190   | 3.12    |
| Magnesium     | 1419  | 116.64  | Hydroxide        | -     | -       |
| Iron          | -     | -       | Hydrogen sulfide | -     | -       |
| Total Cations |       | 1494.27 | Total Anions     |       | 1494.27 |

Total dissolved solids, mg/l ----- 85655  
 NaCl equivalent, mg/l ----- 86344  
 Observed pH ----- 7.4  
 Specific resistance @ 68°F.:  
 Observed ----- 0.095 ohm-meters  
 Calculated ----- 0.086 ohm-meters

WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
 NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter  
 Sodium chloride equivalent = by Dunlop & Hawthorne calculation from components

CL1-12A (REV. 1964).

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

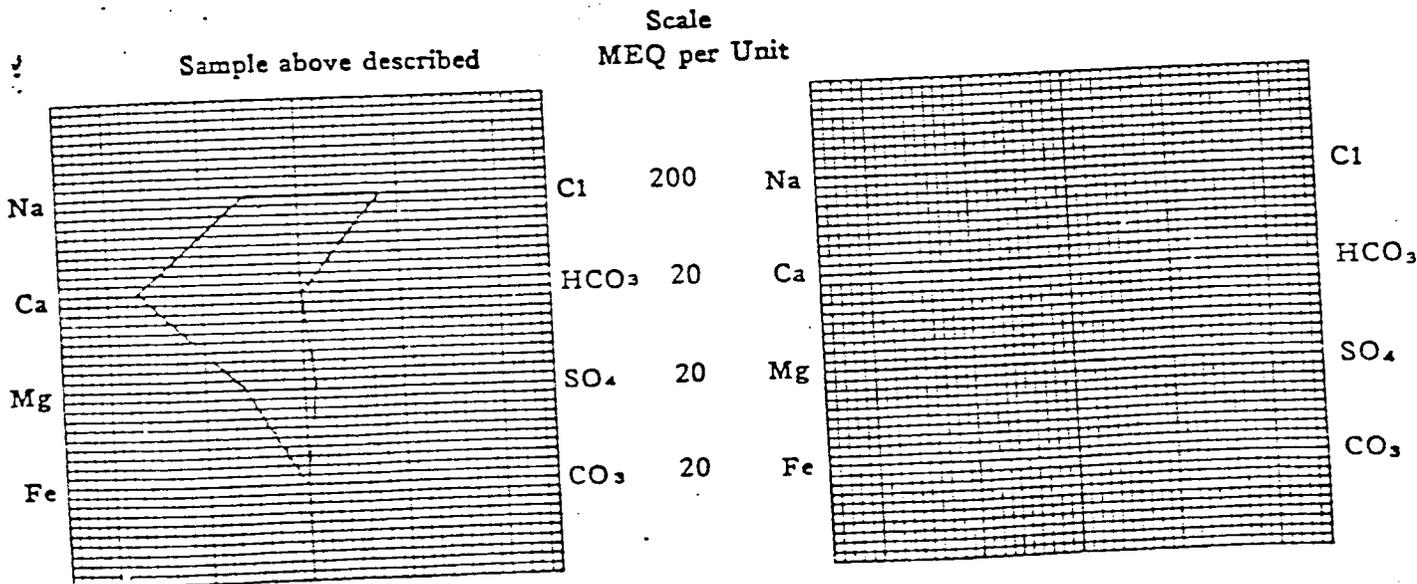
OPERATOR Phillips Petroleum Company DATE 7-22-83 LAB NO. W30636  
 WELL NO. Ratherford Unit LOCATION \_\_\_\_\_  
 FIELD \_\_\_\_\_ FORMATION \_\_\_\_\_  
 COUNTY San Juan INTERVAL \_\_\_\_\_  
 STATE Utah SAMPLE FROM Battery #1 Free water knockout  
(7-5-83) @ 10:35  
S/N 28568

REMARKS & CONCLUSIONS:

| Cations              |       |                | Anions              |       |                |
|----------------------|-------|----------------|---------------------|-------|----------------|
|                      | mg/l  | meq/l          |                     | mg/l  | meq/l          |
| Sodium               | 30147 | 1311.38        | Sulfate             | 1380  | 28.70          |
| Potassium            | 429   | 10.98          | Chloride            | 63000 | 1776.60        |
| Lithium              | --    | --             | Carbonate           | 0     | 0.00           |
| Calcium              | 6865  | 342.56         | Bicarbonate         | 151   | 2.48           |
| Magnesium            | 1738  | 124.86         | Hydroxide           | --    | --             |
| Iron                 | --    | --             | Hydrogen sulfide    | --    | --             |
| <b>Total Cations</b> |       | <b>1807.78</b> | <b>Total Anions</b> |       | <b>1807.78</b> |

|                              |        |                              |                  |
|------------------------------|--------|------------------------------|------------------|
| Total dissolved solids, mg/l | 103633 | Specific resistance @ 68°F.: |                  |
| NaCl equivalent, mg/l        | 104549 | Observed                     | 0.087 ohm-meters |
| Observed pH                  | 7.3    | Calculated                   | 0.078 ohm-meters |

### WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
 NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter  
 Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

ATTACHMENT 1 : Geology, Lithology and Fresh Water

Ratherford Unit Formations and Lithologies: (See attachment 1a)

This chart was obtained by combining the data obtained from a number of wells drilled within the Ratherford Unit. Some variation in formation depth from site to site is common, this is a composite not a site specific lithology.

Geology: (See attachment 1b)

This information was compiled from geologic studies of the Aneth field which includes the units surrounding the Ratherford Unit.

Determination of the base of fresh water:

The base of fresh water was determined from the drillers logs, shows of fresh water, formation tops and logs. The exact measurement changes slightly well to well. The depth recorded on form No. DOGM-UIC-1 (Wingate at 1550 feet) is the deepest and therefore the most liberal estimation of the fresh water zone.

ATTACHMENT 1a: Ratherford Unit Formations and Lithologies

| <u>FORMATION</u>     | <u>APPROX. INTERVAL</u> | <u>LITHOLOGY</u>   |
|----------------------|-------------------------|--|
| <u>Navajo</u>        | 615 - 1005              | White, fine grained sand, fresh water bearing  |
| <u>Kayenta</u>       | 1005 - 1050             | Red shale  |
| <u>Wingate</u>       | 1050 - 1550             | White to amber coarse grained sand - fresh water bearing   |
| <u>Chinle</u>        | 1550 - 2355             | Red-brown shale and siltstone, calcareous  |
| <u>Shinarump</u>     | 2355 - 2440             | Sand, conglomerant containing lime nodules   |
| <u>Moenkopi</u>      | 2440 - 2545             | Shale, grey-green, some maroon, sandy near base  |
| <u>Cutler</u>        |                         |  |
| Hoskinini            | 2545 - 2650             | White, fine grain sand, interbedded shale  |
| De Chelly            | 2650 - 2840             | Sand, white to green, medium to coarse grained, angular, calcareous  |
| Organ Rock           | 2840 - 4575             | Orange to red, fine to medium sand, siltstone and shale.   |
| <u>Honaker Trail</u> | 4575 - 5410             | Limestone, grey, hard, dense, microcrystalline, some siltstone and shale   |
| <u>Paradox</u>       |                         |  |
| Ismay                | 5410 - 5560             | Limestone, light-dark grey, fossiliferous, oolitic, fine to coarse crystalline, vuggy porosity, good oil shows, stringers often dolomite & black sooty shale |
| Desert Creek I       | 5560 - 5740             |  |
| Desert Creek II      | 5740 - 5780             |  |

ATTACHMENT 1b:

GEOLOGY

The Ratherford Unit produces from the Aneth Field, sometime called the Greater Aneth Area, in San Juan County in Southeastern Utah. The Aneth reservoir is located on the southwestern shelf of the Paradox Basin. The producing formation is the Hermosa formation, which is Pennsylvanian in age. It is a highly fossiliferous carbonate reservoir and is probably a reef complex surrounded by reworked clastic carbonates and dense limestone. The porosity development is a result of fossiliferous deposition with some mineral solution and a highly variable fracture system. The dense limestone is known as "county rock" and has a permeability less than 0.1 millidarcy which effectively separates the producing zones. The structure of the reservoir is essentially anticlinal, although it is referred to as a stratigraphic trap because oil accumulation is affected more by porosity and permeability development than by structural position.

Most production is from the Desert Creek Zone at 5500 ft. depth. It is a limestone and dolomite reservoir with vuggy, intercrystalline, and colite porosity. The Desert Creek Zone has two main productive subzones at the Ratherford Unit, Subzones I and II. A third Subzone III is present but not productive at the Ratherford Unit. About one-fourth of the producers are perforated above the Desert Creek in the the Lower Ismay formation, but production from the Ismay has not been significant. Subzone I is defined at the top by the Paradox shale and there is effective separation between Subzones I and II by the dense limestone sections. The separation is verified by the lack of communication between zones at water injection wells. Because of the tight sections above and below, and the location of the perforated intervals, the injected water should be fairly well confined to the Desert Creek.

ATTACHMENT 3:

Water Injection Water: (See attachment 3a) This water was sampled just prior to injection, after mixing of produced water and makeup water. The sample was obtained at the water injection plant and is representative of the water being injected at all wells.

Formation Water: (See attachment 3b) This water was sampled from the Free Water Knock Out at Tank Battery #1 prior to being piped to the water injection plant. This sample is representative of water produced with oil from the Desert Creek Zones I and II of the Paradox formation 5,400 to 5,800 feet.

ATTACHMENT 4:

Fracture pressure gradient of 1.10 psig per 1.0 ft. depth

The intervening thickness of 3500 ft. from the Desert Creek I Zone to the Wingate is sufficient to protect fresh water.

The following data were used to calculate the frac. gradient, data was obtained from two well stimulations performed at the Rutherford Unit 1960 and 1961.

(1) June 1960

ISIP = 3,900 psig  
Fluid density 66.8 lb/ft.<sup>3</sup>  
Formation at 5,724 ft.

$$\frac{3,900 \text{ psig} + \frac{(66.8 \text{ lb/ft.}^3 \times 5724 \text{ ft.})}{144 \text{ in.}^2/\text{ft.}^2}}{5,724 \text{ ft.}} = \frac{6,555 \text{ psig}}{5,724 \text{ ft.}} = \frac{1.15 \text{ psig}}{1 \text{ ft. depth}}$$

(2) May 1961

ISIP = 3,400 psig  
Fluid density 68.0 lb/ft.<sup>3</sup>  
Formation at 5,581 ft.  
Using the above formula =  $\frac{1.08 \text{ psig}}{1 \text{ ft. depth}}$

Average frac. gradient = 1.12 psig/1 ft. depth  
Assume 1.10 psig/1 ft. depth

## ATTACHMENT 5: Mechanical Well Control

### Pressure Control and Shut-off Devices:

A Choke for controlling the injection rate and a valve for shut-in exist at each individual injection well.

The high pressure injection system, operating at 2500 psi, and the low pressure injection system, operating at 1500 psi, are both controlled at the water injection station. The following pressure controls and shut-off devices exist at the water injection station.

- (1) Pressure relief for the low pressure line.
- (2) Pressure relief for the high pressure line.
- (3) Pressure relief from the high pressure line to the low pressure line.
- (4) High pressure shut-down for all (3) engines.

### Mechanical Integrity Requirements:

Phillips Petroleum is currently pressure testing all the Rutherford Unit to be assured of their mechanical integrity; the appropriate valves and connections are being installed to allow the state of Utah to pressure test these wells. Each active well will be pressure tested every five years as required and monthly injection pressures and volumes reported (See attachment 5a).

# Mobil Oil Corporation

P.O. BOX 5444  
DENVER, COLORADO 80217-5444

May 14, 1986

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

Attn: R. J. Firth  
Associate Director

RECEIVED  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



R. D. Baker  
Environmental Regulatory Manager

CNE/rd  
CNE8661

UTAH DIVISION OF OIL, GAS AND MINING  
CASING-BRADENHEAD TEST

OPERATOR: Phillips Petroleum Company

FIELD: Greater Aneth LEASE: Ratherford Unit

WELL # 10W21 SEC. 10 TOWNSHIP 41S RANGE 24E

STATE (FED.) FEE DEPTH 5468 TYPE WELL INJW MAX. INJ. PRESS. 2600 psi

TEST DATE 6/17/86

| CASING STRING                    | SIZE          | SET AT      | CMT        | PRESSURE READINGS | REMARKS       | FUTURE |
|----------------------------------|---------------|-------------|------------|-------------------|---------------|--------|
| <u>SURFACE</u>                   | <u>13 3/8</u> | <u>162</u>  | <u>175</u> |                   | <del>ST</del> |        |
| <u>INTERMEDIATE</u>              | <u>8 5/8</u>  | <u>1348</u> | <u>581</u> |                   |               |        |
| <u>PRODUCTION</u>                | <u>5 1/2</u>  | <u>5468</u> | <u>232</u> |                   |               |        |
| <u>TUBING</u>                    | <u>2 3/8</u>  | <u>5361</u> |            |                   |               |        |
| <u>Baker Tension Pkr at 5361</u> |               |             |            |                   |               |        |

| CASING STRING       | SIZE | SET AT | CMT | PRESSURE READINGS | REMARKS | FUTURE |
|---------------------|------|--------|-----|-------------------|---------|--------|
| <u>SURFACE</u>      |      |        |     |                   |         |        |
| <u>INTERMEDIATE</u> |      |        |     |                   |         |        |
| <u>PRODUCTION</u>   |      |        |     |                   |         |        |
| <u>TUBING</u>       |      |        |     |                   |         |        |

| CASING STRING       | SIZE | SET AT | CMT | PRESSURE READINGS | REMARKS | FUTURE |
|---------------------|------|--------|-----|-------------------|---------|--------|
| <u>SURFACE</u>      |      |        |     |                   |         |        |
| <u>INTERMEDIATE</u> |      |        |     |                   |         |        |
| <u>PRODUCTION</u>   |      |        |     |                   |         |        |
| <u>TUBING</u>       |      |        |     |                   |         |        |

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips Well No. Rutherford Unit 10W21  
 County: San Juan T 41S R 24E Sec. 10 API# 43-034-10401  
 New Well  Conversion  Disposal Well  Enhanced Recovery Well

|  | YES                                 | NO                       |
|--|-------------------------------------|--------------------------|
| UIC Forms Completed  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Plat including Surface Owners, Leaseholders, and wells of available record | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Schematic Diagram  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Fracture Information   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Pressure and Rate Control  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Adequate Geologic Information  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Fluid Source Desert Creek

|  |   |  |                   |
|--|---|--|-------------------|
| Analysis of Injection Fluid                        | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | TDS <u>85455</u>  |
| Analysis of Water in Formation to be injected into | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | TDS <u>153632</u> |
| Known USDW in area                                 | <u>Wingate</u>                          | Depth <u>1550</u>                      |                   |
| Number of wells in area of review                  | <u>6</u>                                | Prd. <u>3</u>                          | P&A <u>1</u>      |
|  |   | Water <u>0</u>                         | Inj. <u>2</u>     |
| Aquifer Exemption                                  | Yes <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |                   |
| Mechanical Integrity Test                          | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |                   |
|  | Date _____                              | Type _____                             |                   |

Comments: T0C 4767

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Reviewed by: 

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

SUBMIT IN TRIPPLICATE  
(Other instructions on reverse side)

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

|   |   |   |
|---|---|---|
| <p>1. <input type="checkbox"/> OIL WELL    <input type="checkbox"/> GAS WELL    <input type="checkbox"/> OTHER    WATER INJECTION &amp; WATER SUPPLY WELLS</p> <p>2. NAME OF OPERATOR<br/>PHILLIPS PETROLEUM COMPANY</p> <p>3. ADDRESS OF OPERATOR<br/>152 N. DURBIN, 2ND FLOOR, CASPER, WYOMING-82601</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*<br/>See also space 17 below.)<br/>At surface<br/><u>SEE ATTACHED</u></p> |   | <p>5. LEASE DESIGNATION AND SERIAL NO.<br/><br/>SW-I-4192</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME<br/>RATHERFORD UNIT #7960041920</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO.<br/>VARIOUS (see attached)</p> <p>10. FIELD AND POOL, OR WILDCAT<br/>GREATER ANETH</p> <p>11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA<br/>Sections 1 thru 30<br/>T41S - R23E &amp; 24E</p> <p>12. COUNTY OR PARISH    13. STATE<br/>San Juan                      Utah</p> |
| <p>14. PERMIT NO.</p>   | <p>15. ELEVATIONS (Show whether DF, ST, OR, etc.)<br/>OIL, GAS &amp; MINING</p> |   |

**RECEIVED**  
 MAR 20 1989  
 OIL, GAS & MINING

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

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

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

This is to advise all Water Injection and Water Supply Wells on the Ratherford Unit, listed on the attached sheet, were sold to Phillips Petroleum Company, effective August 1, 1985.

(former Operator - Phillips Oil Company)

3 - BLM, Farmington, NM  
2 - ~~Utah~~ O&G CC, SLC, UT  
1 - File

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

SIGNED S. H. Oden                      TITLE District Superintendent                      DATE March 17, 1989  
S. H. Oden

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
14-20-603-4043

6. If Indian, Allottee or Tribe Name  
Navajo Tribal

7. If Unit or CA, Agreement Designation  
Ratherford Unit  
SW-I-4192

8. Well Name and No.  
Ratherford Unit #10W21

9. API Well No.  
43-037-16401

10. Field and Pool, or Exploratory Area  
Greater Aneth

11. County or Parish, State  
San Juan, Utah

SUBMIT IN TRIPLICATE

RECEIVED  
SEP 23 1992  
DIVISION OF  
OIL GAS & MINING

1. Type of Well  
 Oil Well     Gas Well     Other    Water Injection

2. Name of Operator  
Phillips Petroleum Company

3. Address and Telephone No.  
5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
810' FNL & 1980' FWL  
Section 10, T41S, R24E

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

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

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

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

9-3-92 thru 9-10-92  
MIRU Montezuma Well Service Rig #31. ND WH & NU BOP's. COOH w/injection tbg. Drill out and clean out iron sulfide fill from 5360'-5468'. Tight spot @ 5453'. RIH w/RBP & set @ 5315'. Tested csg to 1000 psi for 30 minutes - okay. WOC Retainer. TIH and attempt to set cmt retainer @ 5440' NG. Would not set. POOH and set down cmt retainer. Blue Jet ran MTT-Caliper log 5450'-1300'. Top of bad pipe @ 5344'. PU 5-1/2" CIBP & TIH. Set CIBP @ 5315. Pressure test CIBP & csg to 1000 psi for 30 min, okay. TIH w/2-7/8" tbg to 5315. Circ w/pkr fluid. Laid down tbg. Fill csg w/pkr fluid. ND BOP's and NU WH. RD and TA well.

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

Signed *Y. E. Robinson* Title Sr. Drlg. & Prod. Engr. Date 9-11-92  
(This space for Federal or State office use)

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

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

\*See Instruction on Reverse Side

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

P J KONKEL  
PHILLIPS PETROLEUM COMPANY  
5525 HWY 64 NBU 3004  
FARMINGTON NM 87401

**RECEIVED**

AUG 16 1993

REPORT PERIOD (MONTH/YEAR): 6 / 93

DIVISION OF  
OIL, GAS & MINING

AMENDED REPORT  (Highlight Changes)

| Well Name  |        |            | Producing Zone | Well Status | Days Oper | Production Volumes |          |            |
|------------|--------|------------|----------------|-------------|-----------|--------------------|----------|------------|
| API Number | Entity | Location   |                |             |           | OIL(BBL)           | GAS(MCF) | WATER(BBL) |
| #21-23     |        |            |                |             |           |                    |          |            |
| 4303713754 | 06280  | 41S 24E 21 | DSCR           | POW         | 29        | 1374               | 883      | 58         |
| #3-44      |        |            |                |             |           |                    |          |            |
| 4303715031 | 06280  | 41S 24E 3  | DSCR           | POW         | 30        | 111                | 94       | 2905       |
| #3-14      |        |            |                |             |           |                    |          |            |
| 4303715124 | 06280  | 41S 24E 3  | DSCR           | POW         | 30        | 67                 | 23       | 302        |
| #9-12      |        |            |                |             |           |                    |          |            |
| 4303715126 | 06280  | 41S 24E 9  | DSCR           | POW         | 30        | 112                | 654      | 17363      |
| #9-14      |        |            |                |             |           |                    |          |            |
| 4303715127 | 06280  | 41S 24E 9  | DSCR           | POW         | 30        | 201                | 315      | 423        |
| #28-12     |        |            |                |             |           |                    |          |            |
| 4303715336 | 06280  | 41S 24E 28 | PRDX           | POW         | 29        | 112                | 47       | 2428       |
| #29-12     |        |            |                |             |           |                    |          |            |
| 4303715337 | 06280  | 41S 24E 29 | PRDX           | POW         | 29        | 56                 | 0        | 672        |
| #29-32     |        |            |                |             |           |                    |          |            |
| 4303715339 | 06280  | 41S 24E 29 | DSCR           | POW         | 29        | 1402               | 287      | 2224       |
| #29-34     |        |            |                |             |           |                    |          |            |
| 4303715340 | 06280  | 41S 24E 29 | DSCR           | POW         | 29        | 757                | 48       | 0          |
| #30-32     |        |            |                |             |           |                    |          |            |
| 4303715342 | 06280  | 41S 24E 30 | DSCR           | POW         | 29        | 588                | 1049     | 3744       |
| #3-12      |        |            |                |             |           |                    |          |            |
| 4303715620 | 06280  | 41S 24E 3  | DSCR           | POW         | 30        | 268                | 11       | 363        |
| #9-34      |        |            |                |             |           |                    |          |            |
| 4303715711 | 06280  | 41S 24E 9  | DSCR           | POW         | 30        | 45                 | 46       | 9800       |
| #10-12     |        |            |                |             |           |                    |          |            |
| 4303715712 | 06280  | 41S 24E 10 | DSCR           | POW         | 30        | 45                 | 23       | 1088       |
| TOTALS     |        |            |                |             |           | 5138               | 3480     | 41370      |

*USCA*  
*5-18-93*

COMMENTS: Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box 633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

I hereby certify that this report is true and complete to the best of my knowledge. Date: 8/11/93

Name and Signature: PAT KONKEL *Pat Konkell* Telephone Number: 505 599-3452

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

3. LEASE DESIGNATION & SERIAL NO.

**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

NAVAJO TRIBAL

1. OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME

RATHERFORD UNIT

2. NAME OF OPERATOR

MOBIL OIL CORPORATION

8. FARM OR LEASE NAME

3. ADDRESS OF OPERATOR

P. O. BOX 633 MIDLAND, TX 79702

9. WELL NO.

SEP 15 1993

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  
GREATER ANETH

At proposed prod. zone

DIVISION OF  
OIL, GAS & MINING

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

14. API NO.

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

12. COUNTY  
SAN JUAN

13. STATE  
UTAH

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

APPROX. DATE WORK WILL START \_\_\_\_\_

DATE OF COMPLETION \_\_\_\_\_

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.)

\* Must be accompanied by a cement verification report.

AS OF JULY 1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT. ATTACHED ARE THE INDIVIDUAL WELLS.

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

SIGNED Shirley Todd

TITLE ENV. & REG TECHNICIAN

DATE 9-8-93

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

| WELL #  | API#         | LEASE #        | SEC., T, R          | LOCATION OF WELL         |
|---------|--------------|----------------|---------------------|--------------------------|
| ✓01W-13 | 43-037-15838 | 14-20-603-246A | SEC. 1, T41S, R23E  | NW/SW 1980 FSL; 660 FWL  |
| ✓01-14  | 43-037-31162 | 14-20-603-246A | SEC. 1, T41S, R23E  | SW/SW 660 FSL; 660 FWL   |
| ✓01W-24 | 43-037-15939 | 14-20-603-246  | SEC. 1, T41S, R23E  | SE/SW 651 FSL; 3300 FEL  |
| ✓01-34  | 43-037-16385 | 14-20-603-246A | SEC. 1, T41S, R23E  | SW/SE 4147 FNL; 1980 FEL |
| ✓01W-44 | 43-037-15840 | 14-20-603-246A | SEC. 1, T41S, R23E  | 660 FSL; 661 FEL         |
| ✓02W-44 | 43-037-16386 | 14-20-603-246A | SEC. 2, T41S, R23E  | SE/SE 810 FNL; 5110' FWL |
| ✓03-14  | 43-037-15124 | 14-20-603-5445 | SEC. 3, T41S, R24E  | 660 FSL; 660 FEL         |
| ✓03-12  | 43-037-15620 | 14-20-603-6506 | SEC. 3, T41S, R24E  | SW/NW 2140 FNL; 660 FWL  |
| ✓03W-42 | 43-037-16388 | 14-20-603-6505 | SEC. 3, T41S, R24E  | SW/NE 1980 FNL; 660 FEL  |
| ✓03-44  | 43-037-15031 | 14-20-603-6504 | SEC. 3, T41S, R24E  | 520 FSL; 820 FEL         |
| ✓04-14  | 43-037-16163 | 14-20-603-5446 | SEC. 4, T41S, R24E  | 500 FSL; 600 FEL         |
| ✓04-34  | 43-037-16164 | 14-20-603-4035 | SEC. 4, T41S, R24E  | 660 FSL; 1980 FEL        |
| ✓05-34  | 43-037-15983 | 14-20-603-368  | SEC. 5, T41S, R24E  | SW/SE 612 FSL; 1990 FEL  |
| ✓05W-43 | 43-037-16392 | 14-20-603-368  | SEC. 5, T41S, R24E  | 1400 FSL; 990 FEL        |
| ✓06W-14 | 43-037-15984 | 14-20-603-368  | SEC. 6, T41S, R24E  | SW/SW 660; FSL; 660 FWL  |
| ✓06W-23 | 43-037-16393 | 14-20-603-368  | SEC. 6, T41S, R24E  | 1830 FSL; 1895 FWL       |
| ✓07-11  | 43-037-31163 | 14-20-603-368  | SEC. 7, T41S, R24E  | NW/NW 660 FNL; 710 FWL   |
| ✓07W-12 | 43-037-15985 | 14-20-603-368  | SEC. 7, T41S, R24E  | SW/NW 2140 FNL; 585 FWL  |
| ✓07-13  | 43-037-31164 | 14-20-603-368  | SEC. 7, T41S, R24E  | NW/SW 2110 FSL; 740 FWL  |
| ✓07W-14 | 43-037-15986 | 14-20-603-368  | SEC. 7, T41S, R24E  | SW/SW 1065 FSL; 660 FWL  |
| ✓07W-21 | 43-037-16394 | 14-20-603-368  | SEC. 7, T41S, R24E  | 710 FNL; 1820 FWL        |
| ✓07-22  | 43-037-31165 | 14-20-603-368  | SEC. 7, T41S, R24E  | SE/NW 1980 FNL; 1980 FWL |
| ✓07W-23 | 43-037-15987 | 14-20-603-368  | SEC. 7, T41S, R24E  | NE/SW 1980 FSL 1980 FWL  |
| ✓07-24  | 43-037-31166 | 14-20-603-368  | SEC. 7, T41S, R24E  | SE/SW 880 FSL; 2414 FWL  |
| ✓07W-32 | 43-037-15988 | 14-20-603-368  | SEC. 7, T41S, R23E  | SW/NE 1980 FNL; 1980 FEL |
| ✓07-33  | 43-037-31167 | 14-20-603-368  | SEC. 7, T41S, R24E  | NW/SE 2105 FSL; 1876 FEL |
| ✓07W-34 | 43-037-15989 | 14-20-603-368  | SEC. 7, T41S, R24E  | 710 FSL; 2003 FEL        |
| ✓07W-41 | 43-037-15990 | 14-20-603-368  | SEC. 7, T41S, R24E  | NE/NE 585 FNL; 770 FEL   |
| ✓07W43  | 43-037-16395 | 14-20-603-368  | SEC. 7, T41S, R24E  | 2110 FSL; 660 FEL        |
| ✓07-44  | 43-037-31189 | 14-20-603-368  | SEC. 7, T41S, R24E  | SE/SE 737 FSL; 555 FEL   |
| ✓08-12  | 43-037-15991 | 14-20-603-368  | SEC. 8, T41S, R24E  | SW/NW 1909 FNL; 520 FWL  |
| ✓08W-14 | 43-037-15992 | 14-20-603-368  | SEC. 8, T41S, R24E  | 745 FSL; 575 FWL         |
| ✓08-21  | 43-037-15993 | 14-20-603-368  | SEC. 8, T41S, R24E  | 616 FNL; 1911 FWL        |
| ✓08-23  | 43-037-15994 | 14-20-603-368  | SEC. 8, T41S, R24E  | NE/NW 1920 FSL; 2055 FWL |
| ✓08-32  | 43-037-15995 | 14-20-603-368  | SEC. 8, T41S, R24E  | SW/NE 1980 FNL; 1980 FEL |
| ✓08-34  | 43-037-15996 | 14-20-603-368  | SEC. 8, T41S, R24E  | SW/SE 660 FSL; 1980 FEL  |
| ✓08-41  | 43-037-15997 | 14-20-603-368  | SEC. 8, T41S, R24E  | NE/NE 660 FNL; 660 FEL   |
| ✓08W-43 | 43-037-16396 | 14-20-603-368  | SEC. 8, T41S, R24E  | 1980 FSL; 660 FEL        |
| ✓09W-23 | 43-037-16398 | 14-20-603-5046 | SEC. 9, T41S, R24E  | NW/SE 1980 FSL; 1980 FWL |
| ✓09-12  | 43-037-15126 | 14-20-603-5045 | SEC. 9, T41S, R24E  | 1865 FNL; 780 FWL        |
| ✓09W-21 | 43-037-16397 | 14-20-603-5045 | SEC. 9, T41S, R24E  | 660 FNL; 2080 FWL        |
| ✓09-14A | 43-037-15127 | 14-20-603-5046 | SEC. 9, T41S, R24E  | 710 FSL; 660 FWL         |
| ✓09-32  | 43-037-16165 | 14-20-603-4035 | SEC. 9, T41S, R24E  | 1980 FNL; 1980 FEL       |
| ✓09W-41 | 43-037-16399 | 14-20-603-4035 | SEC. 9, T41S, R24E  | 660 FNL; 660 FEL         |
| ✓09W-43 | 43-037-16400 | 14-20-603-4043 | SEC. 9, T41S, R24E  | 1980 FSL; 660 FEL        |
| ✓10W-23 | 43-037-16402 | 14-20-603-4043 | SEC. 10, T41S, R24E | 1980 FSL; 1980 FWL       |
| ✓10-14  | 43-037-15713 | 14-20-603-4043 | SEC. 10, T41S, R24E | 510 FSL; 710 FWL         |
| ✓10-12  | 43-037-15712 | 14-20-603-4043 | SEC. 10, T41S, R24E | 660 FWL; 1980 FNL        |
| ✓10W-21 | 43-037-16401 | 14-20-603-4043 | SEC. 10, T41S, R24E | 810 FNL; 1980 FWL        |
| ✓10-34  | 43-037-16166 | 14-20-603-4037 | SEC. 10, T41S, R24E | 620 FSL; 1860 FEL        |
| ✓10W-43 | 43-037-16403 | 14-20-603-4037 | SEC. 10, T41S, R24E | 1980 FSL; 550 FEL        |
| ✓11-41  | 43-037-31544 | 14-20-603-246A | SEC. 11, T41S, R23E | NE/NE 860 FNL; 350 FEL   |
| ✓11-42W | 43-037-15841 | 14-20-603-246  | SEC. 11, T41S, R23E | 3290 FNL; 4617 FEL       |
| ✓11-43  | 43-037-31622 | 14-20-603-246A | SEC. 11, T41S, R23E | 1980 FSL; 660 FEL        |
| ✓11W-44 | 43-037-15842 | 14-20-603-246A | SEC. 11, T41S, R23E | SE/SE 660 FSL; 558 FEL   |
| ✓12W-11 | 43-037-15843 | 14-20-603-246A | SEC. 12, T41S, R23E | NW/NW 678 FNL; 4620 FEL  |
| ✓12-12  | 43-037-31190 | 14-20-603-246A | SEC. 12, T41S, R23E | SW/NW 1850 FNL; 660 FWL  |
| ✓12W-13 | 43-037-16404 | 14-20-603-246A | SEC. 12, T41S, R23E | 1980 FSL; 4620 FEL       |
| ✓12-14  | 43-037-15844 | NA             | SEC. 12, T41S, R23E | 660 FNL; 4622 FWL        |
| ✓12-21  | 43-037-31201 | 14-20-603-246A | SEC. 12, T41S, R23E | NE/NW 660 FNL; 1980 FWL  |
| ✓12W-22 | 43-037-15845 | 14-20-603-246  | SEC. 12, T41S, R23E | NA                       |
| ✓12-23  | 43-037-15846 | 14-20-603-246A | SEC. 12, T41S, R23E | 1958 FNL; 3300 FWL       |
| ✓12W-24 | 43-037-31151 | 14-20-603-246A | SEC. 12, T41S, R23E | 775 FSL; 1980            |
| ✓12-32  | 43-037-31203 | 14-20-603-246A | SEC. 12, T41S, R23E | SW/NE 1820 FNL; 1820 FEL |
| ✓12W-33 | 43-037-15848 | 14-20-603-246A | SEC. 12, T41S, R23E | NW/SE 1957 FSL; 1981 FEL |
| ✓12-34  | 43-037-31126 | 14-20-603-246A | SEC. 12, T41S, R23E | SW/SE 675 FSL; 1905 FEL  |
| ✓12-41  | 43-037-15849 | 14-20-603-246A | SEC. 12, T41S, R23E | 656 FNL; 660 FEL         |
| ✓12W-42 | 43-037-15850 | 14-20-603-246A | SEC. 12, T41S, R23E | 3275 FSL; 662 FEL        |

PAID  
KINGSTON

SEP 15 1993

DIVISION OF  
OIL, GAS & MINING

PAID

PAID  
PAID

14-20-603-246

SE NW 1920 FNL 2080 FWL

\*

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*L.S. Sheffield*  
~~BRIAN BERRY~~  
~~MEPNA MOBIL~~  
~~POB 219031 1807A RENTWY~~ *P.O. DRAWER G*  
 DALLAS TX 75221-9031 *CORTEZ, Co. 81321*

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT  (Highlight Changes)

*\*931006 updated. jrc*

| ENTITY NUMBER | PRODUCT | GRAVITY | BEGINNING INVENTORY | VOLUME PRODUCED | DISPOSITIONS |              |               |       | ENDING INVENTORY |
|---------------|---------|---------|---------------------|-----------------|--------------|--------------|---------------|-------|------------------|
|               |         | BTU     |                     |                 | TRANSPORTED  | USED ON SITE | FLARED/VENTED | OTHER |                  |
| 05980         | OIL     |         |                     | 177609          | 177609       | 0            |               |       |                  |
|               | GAS     |         |                     | 72101           | 66216        | 5885         |               |       |                  |
| 11174         | OIL     |         |                     |                 |              |              |               |       |                  |
|               | GAS     |         |                     |                 |              |              |               |       |                  |
|               | OIL     |         |                     |                 |              |              |               |       |                  |
|               | GAS     |         |                     |                 |              |              |               |       |                  |
|               | OIL     |         |                     |                 |              |              |               |       |                  |
|               | GAS     |         |                     |                 |              |              |               |       |                  |
|               | OIL     |         |                     |                 |              |              |               |       |                  |
|               | GAS     |         |                     |                 |              |              |               |       |                  |
|               | OIL     |         |                     |                 |              |              |               |       |                  |
|               | GAS     |         |                     |                 |              |              |               |       |                  |
|               | OIL     |         |                     |                 |              |              |               |       |                  |
|               | GAS     |         |                     |                 |              |              |               |       |                  |
| TOTALS        |         |         |                     | 249710          | 243825       | 5885         |               |       |                  |

**RECEIVED**

SEP 13 1993

DIVISION OF OIL, GAS & MINING

COMMENTS: *PLEASE NOTE ADDRESS change. All in ~~ASU~~ production reports will be compiled and sent from the Cortez, Co. office IN THE FUTURE.*

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

Date: 9/5/93

Name and Signature: L. S. Sheffield

Telephone Number: 303 565 2212  
~~246 58 2528~~

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

FROM: Janice Easley  
BLM Farmington, NM  
505 599-6355

Here is copy of Rutherford Unit  
Successor Operator,

4 pages including this one.

*File: Rutherford Unit (GC)*

RECEIVED  
BLM

SEP 27 11:44

070 FARMINGTON, NM

Navajo Area Office  
P. O. Box 1060  
Gallup, New Mexico 87305-1060

ARES/543

JUL 26 1993

Mr. G. D. Cox  
Mobil Exploration and  
Producing North America, Inc.  
P. O. Box 633  
Midland, Texas 79702

|                 |
|-----------------|
| MINERAL SERVICE |
| NOV 1 1993      |
| SEARCHED        |
| SERIALIZED      |
| INDEXED         |
| FILED           |
| ALL SUPPLY      |
| FILED           |

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Rutherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,

ACTING Area Director

Enclosure

cc: Bureau of Land Management, Farmington District Office w/enc.  
TNN, Director, Minerals Department w/enc.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

RECEIVED  
BLM

DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Rutherford Unit, JUN 27 11:44

AREA OFFICE: Window Rock, Arizona  
LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Rutherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Rutherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702  
Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Rutherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

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

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

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Rutherford Unit.

Phillips Petroleum Company

June 17, 1993

By: M. B. [Signature]  
Attorney-in-Fact

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

By: B. D. Martiny  
Attorney-in-Fact B.D. MARTINY

[Signature] ACTING AREA DIRECTOR 7/9/93  
APPROVED BY TITLE DATE

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992  
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

| <u>Tract Number</u> | <u>Description of Land</u>   | <u>Serial Number and Effective Date of Lease</u> | <u>Tract Percentage Participation</u> |
|---------------------|--|--|---------------------------------------|
| 1                   | S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M. San Juan County, Utah                                       | 14-20-603-246-A<br>Oct. 5, 1953                  | 11.0652565                            |
| 2                   | SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah                              | 14-20-603-368<br>Oct. 26, 1953                   | 14.4159942                            |
| 3                   | SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah  | 14-20-603-5446<br>Sept. 1, 1959                  | .5763826                              |
| 4                   | SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah  | 14-20-603-4035<br>March 3, 1958                  | 1.2587779                             |
| 5                   | SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah  | 14-20-603-5445<br>Sept. 3, 1959                  | .4667669                              |
| 6                   | NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah  | 14-20-603-5045<br>Feb. 4, 1959                   | 1.0187043                             |
| 7                   | NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah   | 14-20-603-4043<br>Feb. 18, 1958                  | 3.5097575                             |
| 8                   | SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah  | 14-20-603-5046<br>Feb. 4, 1959                   | 1.1141679                             |
| 9                   | SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah  | 14-20-603-4037<br>Feb. 14, 1958                  | 2.6186804                             |
| 10                  | All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah   | 14-20-603-247-A<br>Oct. 5, 1953                  | 10.3108861                            |
| 11                  | Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah   | 14-20-603-353<br>Oct. 27, 1953                   | 27.3389265                            |
| 12                  | Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah   | 14-20-603-355<br>Oct. 27, 1953                   | 14.2819339                            |
| 13                  | W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah  | 14-20-603-370<br>Oct. 26, 1953                   | 1.8500847                             |
| 14                  | N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah | 14-20-603-407<br>Dec. 10, 1953                   | 6.9924969                             |
| 15                  | NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah  | 14-20-603-409<br>Dec. 10, 1953                   | .9416393                              |
| 16                  | SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah  | 14-20-0603-6504<br>July 11, 1961                 | .5750254                              |
| 17                  | NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah  | 14-20-0603-6505<br>July 11, 1961                 | .5449292                              |
| 18                  | NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah  | 14-20-0603-6506<br>July 11, 1961                 | .5482788                              |
| 19                  | NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah   | 14-20-0603-7171<br>June 11, 1962                 | .4720628                              |
| 20                  | E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah  | 14-20-0603-7172<br>June 11, 1962                 | .0992482                              |

100% Indian Lands

TOTAL 12,909.74

100.0000000

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File \_\_\_\_\_  
\_\_\_\_\_  
(Location) Sec \_\_\_ Twp \_\_\_ Rng \_\_\_  
(API No.) \_\_\_\_\_

Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

Other  
OPERATOR CHANGE

1. Date of Phone Call: 10-6-93 : Time: 9:30

2. DOGM Employee (name) L. CORDOVA (Initiated Call   
Talked to:

Name GLEN COX (Initiated Call  - Phone No. (915) 688-2114

of (Company/Organization) MOBIL

3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".

(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL

OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: \_\_\_\_\_

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS  
PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW  
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

\*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY  
REPORTED OUT OF DALLAS (MCELMO CREEK).

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: \_\_\_\_\_  
 Field or Unit name: RATHERFORD UNIT API no. \_\_\_\_\_  
 Well location: QQ \_\_\_\_\_ section \_\_\_\_\_ township \_\_\_\_\_ range \_\_\_\_\_ county \_\_\_\_\_  
 Effective Date of Transfer: July 1, 1993

CURRENT OPERATOR

Transfer approved by:

Name Ed Hasely Company Phillips Petroleum Company  
 Signature Ed Hasely Address 5525 HWY. 64  
 Title Environmental Engineer Farmington, NM 87401  
 Date October 22, 1993 Phone ( 505 ) 599-3460

Comments:

NEW OPERATOR

Transfer approved by:

Name Shirley Todd Company Mobil Exploration & Producing North America  
 Signature Shirley Todd Address P O Box 633  
 Title Env. & Reg. Technician Midland, TX 79702  
 Date October 7, 1993 Phone ( 915 ) 688-2585

Comments:

(State use only)

Transfer approved by [Signature] Title UIC Manager  
 Approval Date 10-27-93

BEFORE THE OIL AND GAS CONSERVATION COMMISSION OF THE STATE OF UTAH

APPLICATION OF PHILLIPS PETROLEUM )  
 COMPANY FOR THE APPROVAL OF THE )  
 UNIT OPERATIONS AND PRESSURE MAIN- ) CAUSE NO. 63  
 TENANCE PROGRAM FOR THE RATHERFORD )  
 UNIT IN THE GREATER ANETH AREA, )  
 SAN JUAN COUNTY, UTAH )

ORDER

This Cause came on for hearing before the Oil and Gas Conservation Commission of the State of Utah at 10 o'clock a. m. on Wednesday, September 13, 1961, in the Crystal Room, Hotel Newhouse, Fourth South at Main Street, Salt Lake City, Utah, pursuant to notice duly and regularly given. The entire Commission, except Walter G. Mann, was present, Edward W. Clyde presiding. Appearances were made as follows: Cecil C. Hamilton, attorney, on behalf of Phillips Petroleum Company; Clair M. Senior, attorney, on behalf of Texaco, Inc.; Gordon Mayberry, attorney, on behalf of Continental Oil Company; R. R. Robison on behalf of Shell Oil Company. Others present included Carl Trawick, on behalf of United States Geological Survey; and J. R. White, on behalf of Texaco, Inc.

Evidence in support of the application was introduced by Phillips Petroleum Company, the applicant and Unit Operator of the Ratherford Unit, which embraces as the unit area the following described land in San Juan County, State of Utah, to wit:

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SLPM

|             |     |                     |     |
|-------------|-----|---------------------|-----|
| Section 1:  | All | Sections 12 and 13: | All |
| Section 2:  | S/2 | Section 14:         | S/2 |
| Section 11: | S/2 | Section 24:         | All |

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SLPM

|                       |                              |                    |                                      |
|-----------------------|------------------------------|--------------------|--------------------------------------|
| Section 3:            | SW/4                         | Sections 15        | All                                  |
| Section 4:            | S/2                          | through 21:        | All                                  |
| Sections 5 through 9: | All                          | Section 22:        | NW/4 and S/2 of the SW/4             |
| Section 10:           | S/2 and NE/4 and W/2 of NE/4 | Section 23:        | NE/4 and W/2 of NE/4 and W/2 of SW/4 |
| Section 11:           | S/2 of SW/4                  | Section 29 and 30: | All                                  |
| Section 14:           | W/2                          | Section 31:        | W/2                                  |
|                       |                              | Section 32:        | S/2                                  |

R. R. Robison on behalf of Shell Oil Company stated that (as contemplated by paragraph No. 5 of the Commission's order of February 24, 1959, in Cause No. 17 authorizing the drilling of certain test wells) Shell would submit to the Commission, as arbiter, the question as between Shell and Superior Oil Company

of the monetary value, if any, to be attributed to three test wells drilled within the Rutherford Unit area pursuant to said order of February 24, 1959.

No objection to the granting of the application was filed or expressed. The Shell Oil Company, Texaco, Inc. and Continental Oil Company expressed their support of the application of Phillips Petroleum Company.

#### FINDINGS OF FACT

The Commission finds that:

1. The unitized operation of the Rutherford Unit Area will enable pressure maintenance operations to be initiated and permit such Area to be operated in a manner which will prevent waste, protect correlative rights and result in greater ultimate recovery of oil and gas.
2. The Rutherford Unit Agreement has been approved by the various signatory parties as fair, reasonable and acceptable.
3. The water injection pressure maintenance program proposed by the applicant appears to be proper and designed to result in the greatest economic recovery of oil and gas to the end that all concerned, including the general public, may realize and enjoy the greatest good from the oil and gas resources of the unitized lands.

#### ORDER

THEREFORE, IT IS ORDERED BY THE COMMISSION, and subject to its continuing jurisdiction, that:

1. Unit operation of the Rutherford Unit Area under the Rutherford Unit Agreement is approved.
2. The plan and program of water injection pressure maintenance operations proposed by applicant in its application filed herein should be and the same is hereby approved and the unit operator is authorized to proceed with and under such plan and program as soon as the Rutherford Unit Agreement becomes effective and operative.
3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

Dated this 13th day of September, 1961.

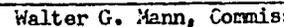
THE OIL AND GAS CONSERVATION  
COMMISSION OF THE STATE OF UTAH

  
Edward W. Clyde, Commissioner presiding

  
C. R. Henderson, Chairman

  
H. V. Hatch, Commissioner

  
C. S. Thomson, Commissioner

  
Walter G. Mann, Commissioner

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

Routing:

|   |                      |
|---|----------------------|
| 1 | <del>VLC/17-93</del> |
| 2 | <del>DES 58-93</del> |
| 3 | VLC                  |
| 4 | RJF                  |
| 5 | JL                   |
| 6 | PL                   |

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-93)

|                   |                               |                        |                                   |
|-------------------|-------------------------------|------------------------|-----------------------------------|
| TO (new operator) | <u>M E P N A</u>              | FROM (former operator) | <u>PHILLIPS PETROLEUM COMPANY</u> |
| (address)         | <u>PO DRAWER G</u>            | (address)              | <u>5525 HWY 64 NBU 3004</u>       |
|                   | <u>CORTEZ, CO 81321</u>       |                        | <u>FARMINGTON, NM 87401</u>       |
|                   | <u>GLEN COX (915)688-2114</u> |                        | <u>PAT KONKEL</u>                 |
|                   | phone <u>(303)565-2212</u>    |                        | phone <u>(505)599-3452</u>        |
|                   | account no. <u>N7370</u>      |                        | account no. <u>N0772(A)</u>       |

Well(s) (attach additional page if needed):      **\*RATHERFORD UNIT (NAVAJO)**

|                               |                         |               |           |           |           |                   |
|-------------------------------|-------------------------|---------------|-----------|-----------|-----------|-------------------|
| Name: <b>**SEE ATTACHED**</b> | API: <u>43037-16401</u> | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                   | API: _____              | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                   | API: _____              | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                   | API: _____              | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                   | API: _____              | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                   | API: _____              | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                   | API: _____              | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator. (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- See 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- See 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (Wiw's 10-26-93)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (10-6-93)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date \_\_\_\_\_ 1993. If yes, division response was made by letter dated \_\_\_\_\_ 1993.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 1993, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- 1. All attachments to this form have been microfilmed. Date: 11.17 1993.

FILING

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

COMMENTS

931006 BIA/BM Approved 7-9-93.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.  
14-20-603-4043

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
RATHERFORD UNIT

8. Well Name and No.  
10W21

9. API Well No.  
43-037-16401

10. Field and Pool, or Exploratory Area  
GREATER ANETH

11. County or Parish, State

SAN JUAN

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other INJECTION WELL

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No.

P O BOX 633 MIDLAND, TX 79702 (915) 688-2585

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

810' FNL, 1980 FWL SEC. 10, T41S R24E

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)  
MOBIL IS REQUESTING AN EXTENSION FOR TA'D STATUS. THIS WELL IS WAITING FOR UP GRADE PIPELINE FACILITY.

RECEIVED

NOV 15 1993

DIVISION OF  
OIL, GAS & MINING

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

Signed Shirley Todd SHIRLEY TODD

Title ENV. & REG TECHNICIAN

Date 11-8-93

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

11/16/93

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

\*See Instruction on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

14-20-603-4043

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

Ratherford Unit

8. Well Name and No.

10 W 21

9. API Well No.

43-037-16401

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

SAN JUAN, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other Injector

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No.

P.O. BOX 633, MIDLAND, TX 79702

(915)688-2585

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

810' FWL, 1980' FWL  
Sec. 10, T41S, R24E

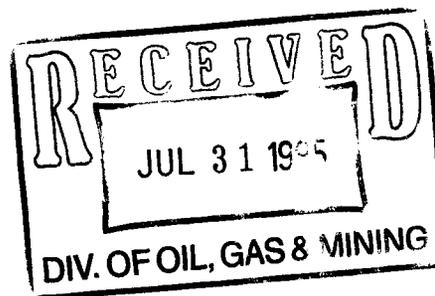
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

MIT Failure due to mechanical or casing failure.  
A procedure will be submitted if the failure is determined as a casing failure.



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

Signed Shirley Robertson

Title Env. & Reg. Technician

Date 7-26-95

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:



PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File \_\_\_\_\_  
(Location) Sec \_\_\_ Twp \_\_\_ Rng \_\_\_  
(API No.) \_\_\_\_\_

Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

Other  
OPER NM CHG \_\_\_\_\_  
\_\_\_\_\_

1. Date of Phone Call: 8-3-95 Time: \_\_\_\_\_

2. DOGM Employee (name) L. CORDOVA (Initiated Call )  
Talked to:

Name R. J. FIRTH (Initiated Call ) - Phone No. ( \_\_\_\_\_ )  
of (Company/Organization) \_\_\_\_\_

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: \_\_\_\_\_

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.

\*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

| OPERATOR      | API NO.      | WELL         | TNS | RGE | SE | WELLTYPE | INDIAN COUNT |
|---------------|--------------|--------------|-----|-----|----|----------|--------------|
| *****         | *****        | *****        | *** | *** | ** | *****    | *****        |
| ✓MEPNA (MOBIL | 43-037-15506 | L-21         | 41S | 25E | 18 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16358 | K-24         | 41S | 25E | 18 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-30400 | K-22X        | 41S | 25E | 18 | INJI     | Y            |
| ✓MEPNA (MOBIL | 43-037-15499 | J-21         | 41S | 25E | 18 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15508 | L-25         | 41S | 25E | 19 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15839 | 1W24         | 41S | 23E | 1  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15838 | 1W13         | 41S | 23E | 1  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16386 | 2W44         | 41S | 23E | 2  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15842 | 11W44        | 41S | 23E | 11 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15841 | 11W42        | 41S | 23E | 11 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15848 | 12W33        | 41S | 23E | 12 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15850 | 12W42        | 41S | 23E | 12 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15847 | 12W31        | 41S | 23E | 12 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16404 | 12W13        | 41S | 23E | 12 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15845 | 12W22        | 41S | 23E | 12 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15843 | 12W11        | 41S | 23E | 12 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-31151 | 12W24        | 41S | 23E | 12 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-31543 | RATERFORD 12 | 41S | 23E | 12 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15854 | 13W31        | 41S | 23E | 13 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15851 | 13W13        | 41S | 23E | 13 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15857 | 13W42        | 41S | 23E | 13 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16407 | 13W44        | 41S | 23E | 13 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15855 | 13W33        | 41S | 23E | 13 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-31152 | 13W11        | 41S | 23E | 13 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15852 | 13W22        | 41S | 23E | 13 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15853 | 13W24        | 41S | 23E | 13 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16410 | 14W43        | 41S | 23E | 14 | INJI     | Y            |
| ✓MEPNA (MOBIL | 43-037-15860 | 14W43        | 41S | 23E | 14 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15863 | 24W42        | 41S | 23E | 24 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15862 | 24W31        | 41S | 23E | 24 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15984 | 6W14         | 41S | 24E | 6  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15988 | 7W32         | 41S | 24E | 7  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15990 | 7W41         | 41S | 24E | 7  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16394 | 7W21         | 41S | 24E | 7  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15985 | 7W12         | 41S | 24E | 7  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15989 | 7W34         | 41S | 24E | 7  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15986 | 7W14         | 41S | 24E | 7  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15987 | 7W23         | 41S | 24E | 7  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16395 | 7W43         | 41S | 24E | 7  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16396 | 8W43         | 41S | 24E | 8  | INJI     | Y            |
| ✓MEPNA (MOBIL | 43-037-15992 | 8W14         | 41S | 24E | 8  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16398 | 9W23         | 41S | 24E | 9  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16400 | 9W43         | 41S | 24E | 9  | INJI     | Y            |
| ✓MEPNA (MOBIL | 43-037-16397 | 9W21         | 41S | 24E | 9  | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16402 | 10W23        | 41S | 24E | 10 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16401 | 10W21        | 41S | 24E | 10 | INJI     | Y            |
| ✓MEPNA (MOBIL | 43-037-16403 | 10W43        | 41S | 24E | 10 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16413 | 15W43        | 41S | 24E | 15 | INJI     | Y            |
| ✓MEPNA (MOBIL | 43-037-16411 | 15W21        | 41S | 24E | 15 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-16412 | 15W23        | 41S | 24E | 15 | INJI     | Y            |
| ✓MEPNA (MOBIL | 43-037-16415 | 16W43        | 41S | 24E | 16 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15720 | 16W12        | 41S | 24E | 16 | INJW     | Y            |
| ✓MEPNA (MOBIL | 43-037-15721 | 16W14        | 41S | 24E | 16 | INJW     | Y            |

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

|       |        |
|-------|--------|
| 1-LEC | 7-PL   |
| 2-LWP | 8-SJ   |
| 3-DE  | 9-FILE |
| 4-VLC |        |
| 5-RJF |        |
| 6-LWP |        |

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) MOBIL EXPLOR & PROD  
 (address) C/O MOBIL OIL CORP  
PO DRAWER G  
CORTEZ CO 81321  
 phone (303) 564-5212  
 account no. N7370

FROM (former operator) M E P N A  
 (address) C/O MOBIL OIL CORP  
PO DRAWER G  
CORTEZ CO 81321  
 phone (303) 564-5212  
 account no. N7370

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

|                                 |                       |               |           |           |           |                   |
|---------------------------------|-----------------------|---------------|-----------|-----------|-----------|-------------------|
| Name: <b>** SEE ATTACHED **</b> | API: <u>037-16401</u> | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                     | API: _____            | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                     | API: _____            | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                     | API: _____            | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                     | API: _____            | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____                     | API: _____            | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

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

**BOND VERIFICATION (Fee wells only)** *\* No Fee Lease Wells at this time!*

- N/A/ Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date                      1995. If yes, division response was made by letter dated                      1995.

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      1995, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *UTS 8/5/95*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

**FILMING**

1. All attachments to this form have been microfilmed. Date: October 4 1995.

**FILING**

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

**COMMENTS**

*950803 UIC F5/Not necessary!*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

14-20-603-4043

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 10 W 21

9. API Well No.

43-037-16401

10. Field and Pool, or exploratory Area

GREATER ANETJ

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other INJECTION

2. Name of Operator Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.  
P.O. Box 633, Midland, TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
810' FNL, 1980' FWL,  
SEC. 10, T41S, R24E

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

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

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

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

MOBIL IS REQUESTING AN EXTENSION FOR TA'D. MOBIL HAS RE-EVALUATED THE FIELD FOR HORIZONTAL POTENTIAL. THIS WELL IS BEING CONSIDERED FOR THE PROGRAM.

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

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

Signed Shirley Robertson Title ENV. & REG. TECHNICIAN Date 10-6-95

(This space for Federal or State office use)

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 31 1995

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**14-20-603-4043**

6. If Indian, Allottee or Tribe Name  
**NAVAJO TRIBAL**

7. If Unit or CA, Agreement Designation  
**RATHERFORD UNIT**

8. Well Name and No.  
**RATHERFORD 10 W 21**

9. API Well No.  
**43-037-16401**

10. Field and Pool, or exploratory Area  
**GREATER ANETJ**

11. County or Parish, State  
**SAN JUAN UT**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other **INJECTION**

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.**

3. Address and Telephone No.  
**P.O. Box 633, Midland, TX 79702                      (915) 688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**810' FNL, 1980' FWL,  
SEC. 10, T41S, R24E**

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

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

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

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

Attached is the MIT Inspection completed 8-11-95 showing RU# 10-21 passing the MIT. In reference to your letter written on September 18, 1995, this well did not require repairs.

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

Signed Shuley Robertson Title ENV. & REG. TECHNICIAN Date 10-26-95

(This space for Federal or State office use)

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

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

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF INSPECTION

RECEIVED  
OCT 31 1995

|   |  |  |
|---|--|--|
| Address (EPA Regional Office)<br>Region 9<br>Environmental Inspection Agency<br>215 Fremont Street (W-6-2)<br>San Francisco, CA 94105 | Inspection Contractor<br>NAVAJO EPA<br><b>THE CADMUS GROUP, INC.</b><br>CORPORATE OFFICE<br>135 Beaver Street<br>Waltham, MA 02154<br>(617) 894-9830 | Firm To Be Inspected<br>Mobil E. & P., U.S.<br>P.O. BOX Drawer G<br>Cortez, CO 81321 |
|---|--|--|

|                     |  |
|---------------------|--|
| Date <i>8-11-95</i> | Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300 f et seg.). |
| Hour <i>8:40 AM</i> |  |

Reason For Inspection

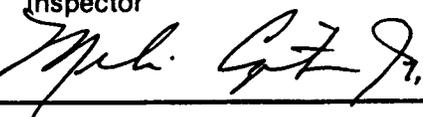
For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable permit or rule.

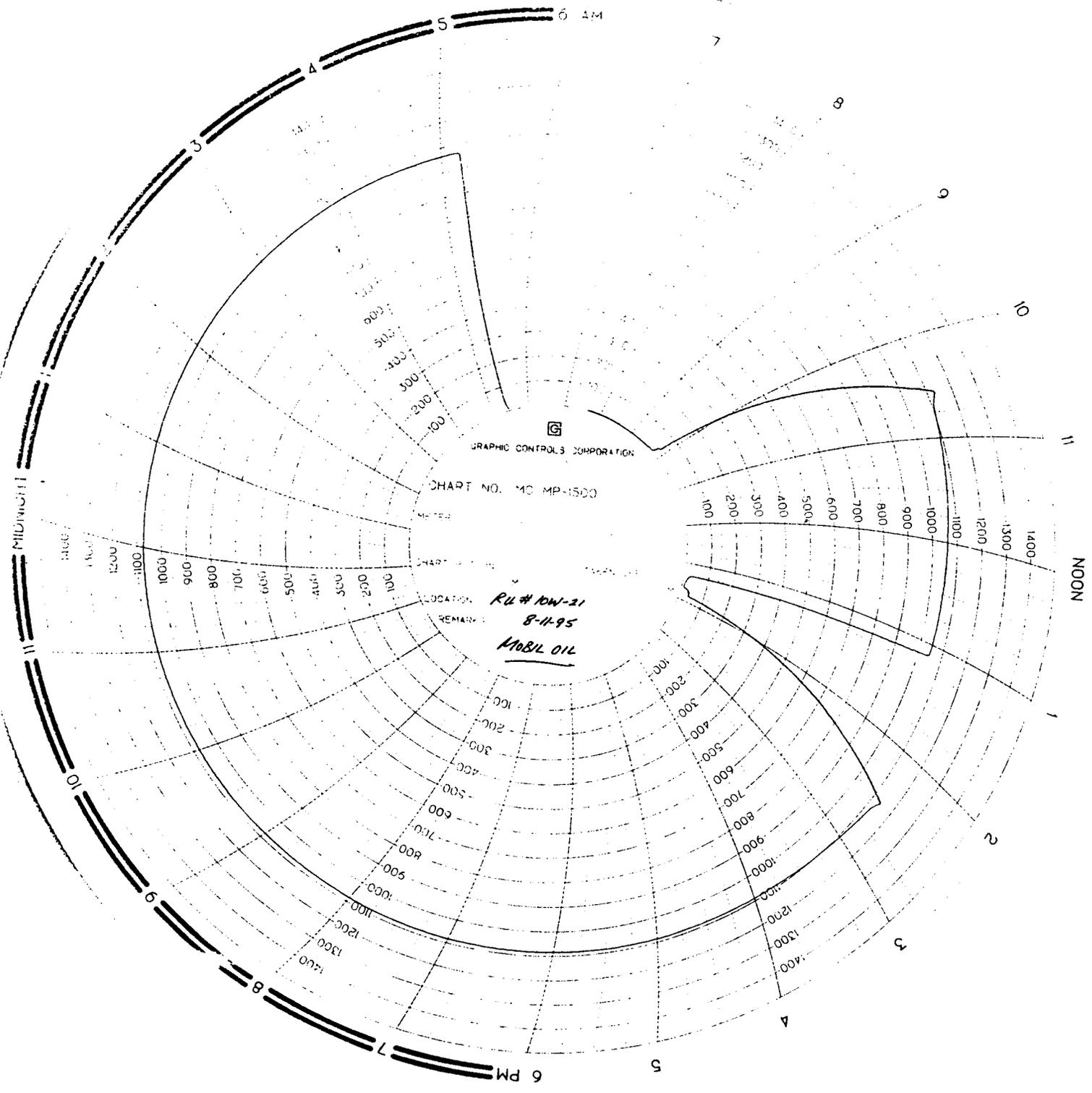
*R.U. #10W21 WATER INJECTION WELL, M.I.T.*

*PASSED M.I.T.*

Section 1445(b) of the SDWA (42 U.S.C. §300 j-4 (b) is quoted on the reverse of this form.

Receipt of this Notice of Inspection is hereby acknowledged.

|   |                        |  |
|---|------------------------|--|
| Firm Representative<br> | Date<br><i>8-11-95</i> | Inspector<br> |
|---|------------------------|--|



GRAPHIC CONTROLS CORPORATION

CHART NO. MC MP-1500

LOCATION: *RU # 10W-31*

REMARKS: *8-11-95*

*MOBILE OIL*

MIDNIGHT

NOON

6 PM

6 AM

# ANNULAR PRESSURE TEST

OPERATOR MOBIL E+P, INC. STATE PERMIT NO. \_\_\_\_\_  
 ADDRESS P.O. BOX DRAWER G EPA PERMIT NO. \_\_\_\_\_  
CORTEZ, CO DATE OF TEST 8-11-95  
 WELL NAME RU# 10W-21 TYPE WATER INJECTION  
 LOCATION \_\_\_\_\_ QUARTER OF THE \_\_\_\_\_ QUARTER OF THE \_\_\_\_\_ QUARTER.  
 SECTION 10 TOWNSHIP T41S RANGE R24E  
 TOWNSHIP NAME WHITE MESA COUNTY NAME SAN JUAN  
 COMPANY REPRESENTATIVE CALVIN NORTON FIELD INSPECTOR MELVIN CAPITAN JR.  
 TYPE PRESSURE GAUGE PMC INCH FACE, \_\_\_\_\_ PSI FULL SCALE, \_\_\_\_\_ PSI INCREMENTS  
 NEW GAUGE YES  NO  IF NO, DATE OF TEST CALIBRATION 7-12-95  
 CALIBRATION CERTIFICATION SUBMITTED: YES  NO

**RESULTS:**

| TIME | PRESSURE (PSIG) |             | CASING _____         |
|------|-----------------|-------------|----------------------|
|      | ANNULUS         | TUBING      |                      |
| 8:40 | 1090            | / NO TUBING | TUBING _____         |
| 8:45 | 1085            |             | PACKER _____         |
| 8:50 | 1080            |             | PACKER @ _____       |
| 9:00 | 1075            |             | FLUID RETURN @ _____ |
| 9:10 | 1065            |             |                      |
|      |                 |             |                      |
|      |                 |             |                      |
|      |                 |             |                      |
|      |                 |             |                      |
|      |                 |             |                      |

COMMENTS: BRADEN HEAD;  
LOW PRESSURE GAS BLEW OUT  
FOR FEW SECONDS.

TEST PRESSURE: \_\_\_\_\_  
 MAX. ALLOWABLE PRESSURE CHANGE: \_\_\_\_\_ TEST PRESSURE X 05 \_\_\_\_\_ PSI  
 HALF HOUR PRESSURE CHANGE \_\_\_\_\_ PSI

TEST PASSED  TEST FAILED  (CHECK ONE)  
 IF FAILED, NO INJECTION MAY OCCUR UNTIL CORRECTIONS HAVE BEEN MADE AND WELL PASSES.

Calvin Norton SIGNATURE OF COMPANY REPRESENTATIVE \_\_\_\_\_ DATE 8-11-95  
Melvin Capitan Jr. SIGNATURE OF INSPECTOR \_\_\_\_\_ DATE 8-11-95

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

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

5. Lease Designation and Serial No.  
**14-20-603-4043**

6. If Indian, Allottee or Tribe Name  
**NAVAJO TRIBAL**

7. If Unit or CA, Agreement Designation  
**RATHERFORD UNIT**

8. Well Name and No.  
**RATHERFORD 10-W-21**

9. API Well No.  
**43-037-16401**

10. Field and Pool, or exploratory Area  
**GREATER ANETH**

11. County or Parish, State  
**SAN JUAN UT**

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other **INJECTOR / SIDETRACK**

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.**

3. Address and Telephone No.  
**P.O. Box 633, Midland, TX 79702 915-688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**810' FNL & 1980' FWL  
SEC.10, T41S, R24E**

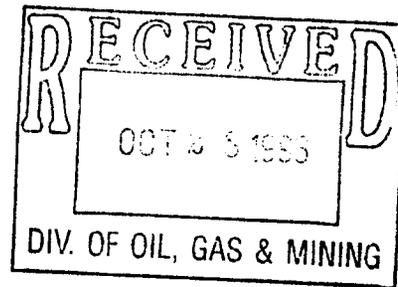
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

**MOBIL IS REQUESTING AN EXTENSION FOR TA'D STATUS. THIS WELL IS BEING EVALUATED FOR THE HORIZONTAL DRILLING PROGRAM.**



14. I hereby certify that the foregoing is true and correct  
Signed Shirley Houchins Title ENV. & REG. TECHNICIAN Date 10-22-96

(This space for Federal or State office use)

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

Conditions of approval, if any:

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

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

**FOR RECORD ONLY**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

14-20-603-4043

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 10-W-21

9. API Well No.

037-16401

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator MOBIL PRODUCING TX & NM INC.\*  
\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.  
P.O. Box 633, Midland TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SEC. 10, T41S, R24E  
810' FNL & 1980' FWL

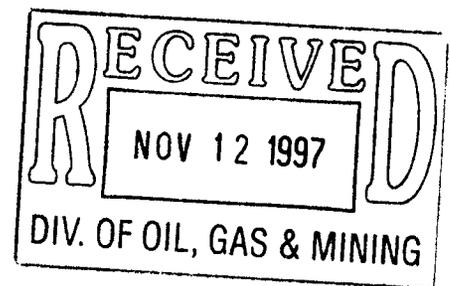
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| TYPE OF SUBMISSION                                    | TYPE OF ACTION  |
|---|---|
| <input checked="" type="checkbox"/> Notice of Intent  | <input type="checkbox"/> Abandonment                            |
| <input checked="" type="checkbox"/>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

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

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

MOBIL REQUEST AN EXTENTION OF SHUT IN STATUS FOR THIS WELLBORE, IT IS BEING CONSIDERED FOR THE HORIZONTAL PROGRAM.



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

Signed Shirley Houchins for Title SHIRLEY HOUCHINS/ENV & REG TECH Date 11-07-97

(This space for Federal or State office use)

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.

14-20-603-4043

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 10-W-21

9. API Well No.

43-037-16401

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator MOBIL PRODUCING TX & NM INC.\*  
\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702 (915) 688-2585

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

SEC. 10, T41S, R24E  
810' FNL & 1980' FWL

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

TYPE OF SUBMISSION

- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

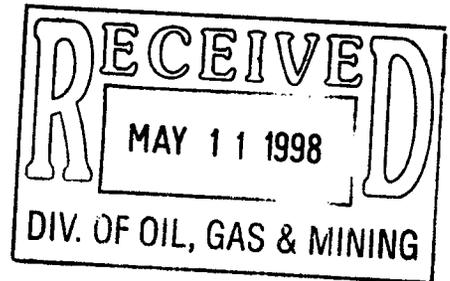
TYPE OF ACTION

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

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

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

SEE ATTACHED MIT AND CHART.



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

Signed Shirley Houchins Title SHIRLEY HOUCHINS/ENV & REG TECH Date 5-13-98

(This space for Federal or State office use)

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

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator Mobil E. & P., Inc

Date of Test 10-31-97

Well Name RU # 10W-21

EPA Permit No. \_\_\_\_\_

Location Sec. 10, T41S-R24E

Tribal Lease No. 14-20-603-4043

State and County San Juan County, UT

Continuous Recorder? YES  NO

Pressure Gauge? YES  NO

Bradenhead Opened? YES  NO

Fluid Flow? YES  NO

| <u>TIME</u>  | <u>ANNULUS PRESSURE, psi</u> | <u>TUBING PRESSURE, psi</u> |
|--------------|------------------------------|-----------------------------|
| <u>12:50</u> |                              | <u>0</u>                    |
| <u>12:55</u> |                              |                             |
| <u>1:00</u>  |                              |                             |
| <u>1:10</u>  |                              |                             |
| <u>1:20</u>  |                              |                             |
|              |                              |                             |
|              |                              |                             |
|              |                              |                             |

MAX. INJECTION PRESSURE: \_\_\_\_\_ PSI

MAX. ALLOWABLE PRESSURE CHANGE: \_\_\_\_\_ PSI (TEST PRESSURE X 0.05)

REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

*TA STATUS WELL  
WELL WILL NOT PRESSURE UP, AFTER 20 BBLs PUMPED IN.  
FAILED M.I.T.*

Fritz Johnson  
COMPANY REPRESENTATIVE: (Print and Sign)

10-31-97  
DATE

Melvin Capitan Jr.  
INSPECTOR: (Print and Sign)

10-31-97  
DATE

# U.S. ENVIRONMENTAL PROTECTION AGENCY

## NOTICE OF INSPECTION

|  |  |   |
|--|--|---|
| <b>Address (EPA Regional Office)</b><br>Region 9<br>Environmental Inspection Agency<br>215 Fremont Street (W-6-2)<br>San Francisco, CA 94105 | <b>Inspection Contractor</b><br>NAVAJO EPA - GPCP<br>Groundwater Pollution Control<br>P.O. Box 1979<br>Shiprock, NM 87420-1979 | <b>Firm To Be Inspected</b><br>Mobil E. & P., Inc.<br>P.O. Box Drawer G<br>Cortez, CO 81321 |
|--|--|---|

|   |  |
|---|--|
| <b>Date</b> 10-30-97<br><b>Hour</b> 9:00 AM | Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300 f et seq.). |
|---|--|

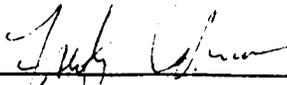
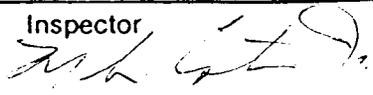
**Reason For Inspection**

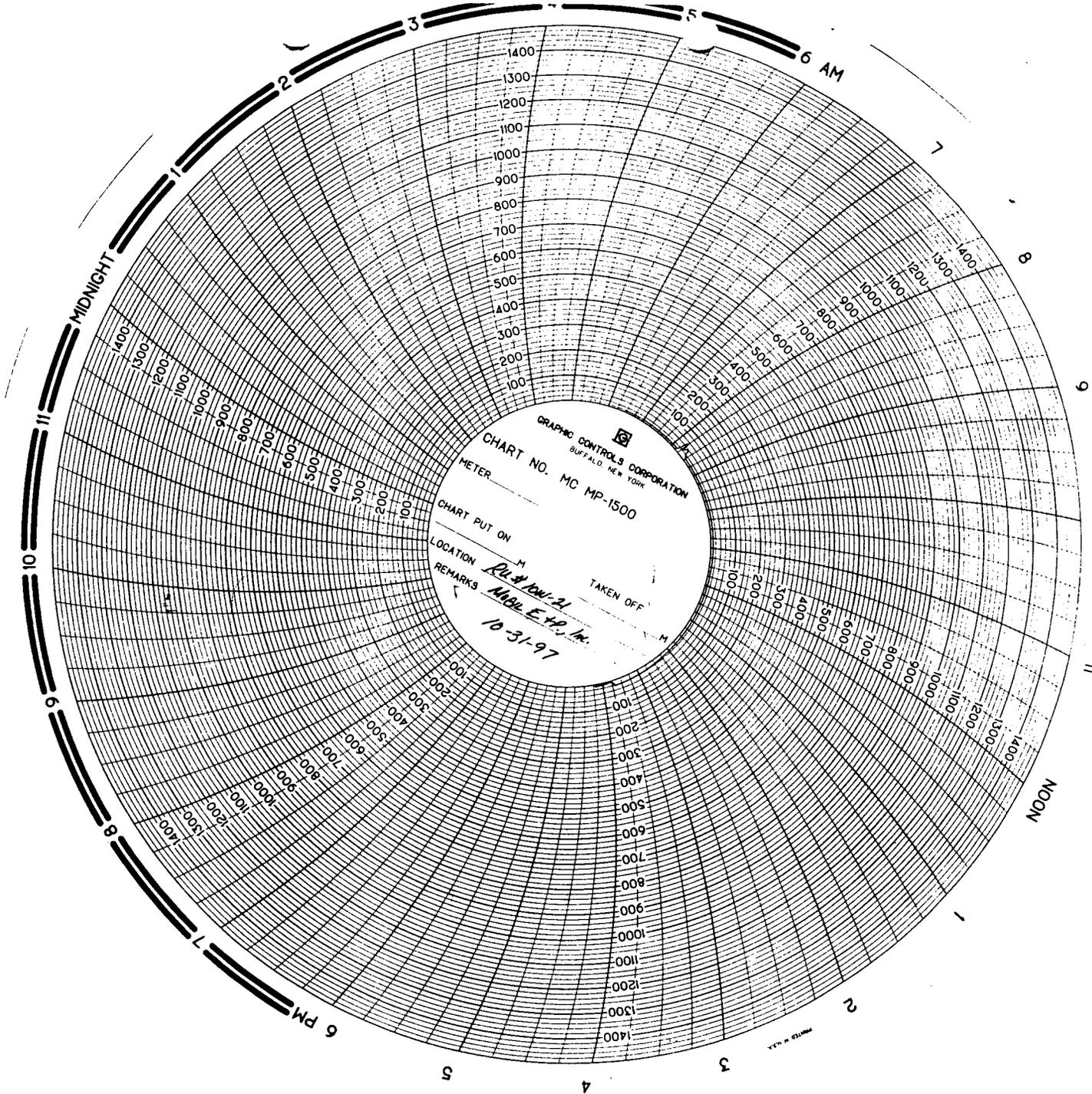
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- MCU # N-23, WATER INJECTION WELL, M.I.T. - PASSED
- MCU # P-23A, WATER INJECTION WELL, M.I.T. - PASSED
- MCU # R-19, WATER INJECTION WELL, M.I.T. - PASSED
- MCU # R-11A, WATER INJECTION WELL, M.I.T. - PASSED
- MCU # R-09, WATER INJECTION WELL, M.I.T. - PASSED
- RU # 17W-43, WATER INJECTION WELL, M.I.T. - PASSED
- MCU # A-17, WATER INJECTION WELL, M.I.T. - PASSED
- MCU # E-19, WATER INJECTION WELL, M.I.T. - PASSED
- RU # 10W-21, WATER INJECTION WELL, M.I.T. - FAILED
- RU # 10W-23, WATER INJECTION WELL, M.I.T. - PASSED

Section 1445(b) of the SDWA (42 U.S.C. §300 j-4 (b)) is quoted on the reverse of this form.

Receipt of this Notice of Inspection is hereby acknowledged.

|   |                         |   |
|---|-------------------------|---|
| <b>Firm Representative</b><br> | <b>Date</b><br>10-30-97 | <b>Inspector</b><br> |
|---|-------------------------|---|



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC MP-1500

METER \_\_\_\_\_

CHART PUT ON \_\_\_\_\_

LOCATION PLANT 21

REMARKS MR. E. P. H.

TAKEN OFF \_\_\_\_\_

10-31-97

PRINTED IN U.S.A.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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11. County or Parish, State

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Oil Well  Gas Well  Other

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\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

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810' FNL & 1980' FWL

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 Subsequent Report  
 Final Abandonment Notice

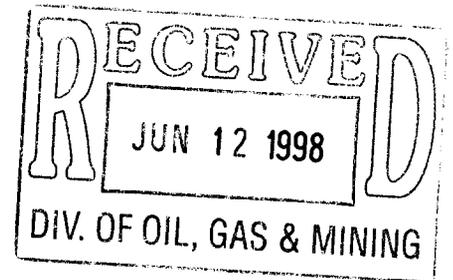
TYPE OF ACTION

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

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

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

SEE ATTACHED PROCEDURE.



COPY SENT TO OPERATOR

Date: 11-22-98  
Initials: DSK

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

Signed

*Shirley Houchins*

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 6-9-98

(This space for Federal or State office use)

Accepted by the  
Utah Division of

Approved by

Oil, Gas and Mining

Title

Date

Conditions of approval

FOR RECORD ONLY

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

\* See Instruction on Reverse Side

## **Ratherford Unit #10-21**

### **Well Evaluation Procedure**

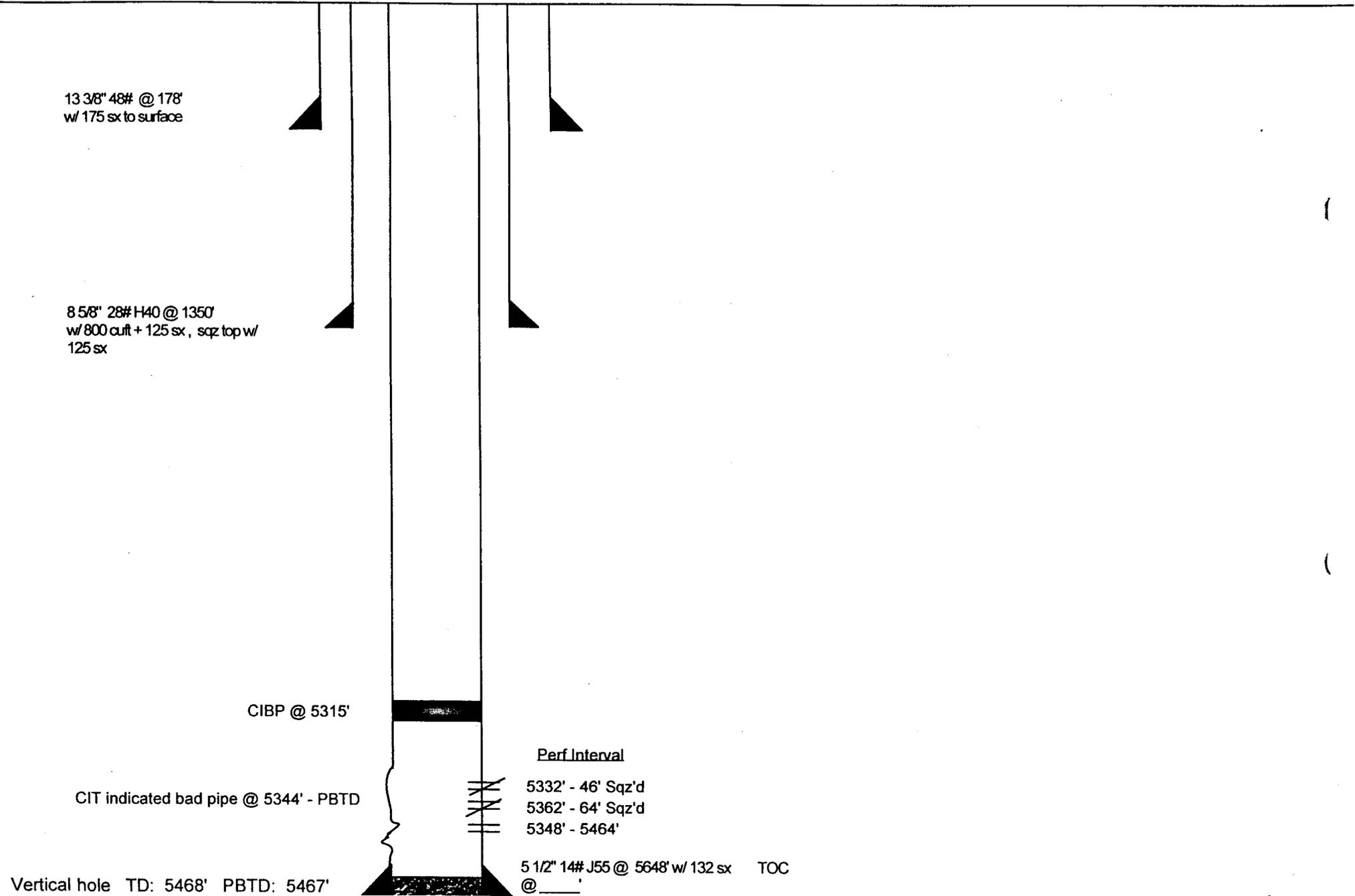
The objective of this operation is to evaluate the #10-21 wellbore. Upon acquisition of information, a decision will be made as to plugging or saving the wellbore.

1. Notify BLM and Navajo EPA 48 hours prior to plugging.
2. MIRU PU. ND wellhead. NU BOP. Pressure test BOPs.
3. RIH w/ pkr + ws to CIBP @ 5315'. Test csg from CIBP to surface.
4. Following are possible scenarios based on findings:
  - a) If csg holds (indication CIBP leaking), set new CIBP @ 5310' and keep well ta'd for future horizontal usage.
  - b) If csg does not hold, attempt to isolate leak.
    - 1) If small leak, squeeze leak and keep well ta'd for future horizontal usage.
    - 2) If large leak, review possibility of polybore liner vs. P&A.
5. Upon completion of operational decision, RDMO.

1810' FNL  
1980' FWL  
S-10  
T41S  
R24E  
San Juan Co., Utah

Ratherford Unit  
10-21  
Current Wellbore

YPO: 6/09/98  
KB: 4518'  
GL: 4507'



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

14-20-603-4043

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 10-W-21

9. API Well No.

43-037-16401

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

MOBIL PRODUCING TX & NM INC.\*  
\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702 (915) 688-2585

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

SEC. 10, T41S, R24E  
810' FNL & 1980' FWL

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

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

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

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

MOBIL REQUEST AN EXTENSION OF TA STATUS FOR THIS WELLBORE. IT IS BEING CONSIDERED FOR THE HORIZONTAL PROGRAM.

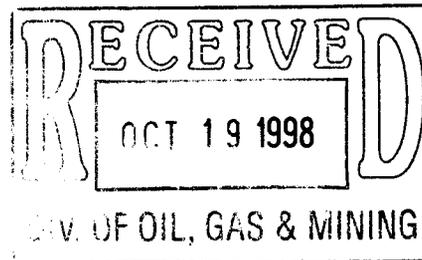
APPROVED SUNDRY FOR CASING REPAIR 6/98 SUBSEQUENT REPORT WILL BE FILED AS SOON AS WORK IS COMPLETE.

COPY SENT TO OPERATOR

Date: 11-2-98  
Initials: CHD

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 11/2/98  
By: [Signature]



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

Signed [Signature] for Title SHIRLEY HOUCHINS/ENV & REG TECH Date 10-14-98

(This space for Federal or State office use)

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

14-20-603-4043

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 10-W-21

9. API Well No.

43-037-16401

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator MOBIL PRODUCING TX & NM INC.\*

\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702 (915) 688-2585

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

SEC. 10, T41S, R24E  
810' FNL & 1980' FWL

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other CASING REPAIR

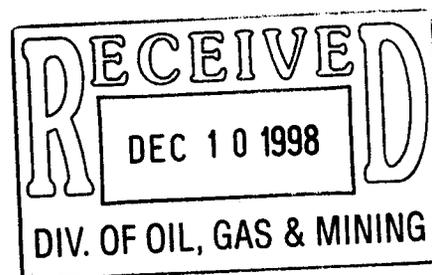
Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

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

SEE ATTACHED PROCEDURE. (11-17-98 -- 11-19-98)

PASSED MIT, CHART & MIT WILL BE SENT UPON RECEIPT FROM NAVAJO EPA.



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

Signed Shirley Houchins

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 12-07-98

(This space for Federal or State office use)

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

Conditions of approval, if any:

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

**ATTACHMENT - FORM 3160-5**  
**RATHERFORD UNIT - WELL #10-21**  
**14-20-603-4043**  
**NAVAJO TRIBAL**  
**SAN JUAN, UTAH**

11-17-98 MIRU MONTEZUMA RIG #36. CP ON VAC ND WH & NU BOP. RIH W/ RPB, & PKR. NOTIFIED JIM LOVATO W/BLM IN FARMINGTON, ATTEMPT CONTACT TO NAVAJO EPA, DID NOT GET AN ANSWER & DID NOT GET AN ANSWERING MACHINE.

11-18-98 NOTIFIED CHARMAIN HESTEEN W/NAVAJO EPA @ 2:45 PM 11-18-98, ALSO NOTIFIED NAVAJO EPA @ 3:45 PM TO SET MIT TEST FOR 1:00 PM 11-19-98. FIN RIH & SET RBP @ 5302'. RU LINES TO REVERSE PIT, PUMP & WH PT CSG AGAINST RBP TO 1000# FLANGE LEAK, TIGHTEN UP RETEST TO 1025#. BLED DN TO 950# HUNT DRIP, RETEST TO 1000#, LOST 10# IN 45 MIN. BLED DN RLSE RBP & RETEST AGAINST CIBIP @ 5315' PRESSURE UP TO 1000# LOST 5# IN 45 MIN. POOH W/2 7/8 TBG. LD SI & SDFN.

11-19-98 FIN LD 2 7/8" TBG. ND BOP NU WH & LOAD CASING FOR MIT TEST. RD FOR REPAIR ON BREAKS. RUN MIT TEST W/MELVINA CLAH NAVAJO EPA FIELD TECH ON LOCATION. WELL PASSED MIT, MELVINA CLAH TOOK CHART WITH HER, COPY TO BE MAILED TO MOBIL. RD MONTEZUMA RIG #36 . WELL TURNED TO PRODUCTION.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

5. Lease Designation and Serial No.

**14-20-603-4043**

6. If Indian, Allottee or Tribe Name

**NAVAJO TRIBAL**

7. If Unit or CA, Agreement Designation  
**RATHERFORD UNIT**

8. Well Name and No.

**RATHERFORD 10-W-21**

9. API Well No.

**43-037-16401**

10. Field and Pool, or exploratory Area

**GREATER ANETH**

11. County or Parish, State

**SAN JUAN UT**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator **MOBIL PRODUCING TX & NM INC.\***  
**\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM**

3. Address and Telephone No.  
**P.O. Box 633, Midland TX 79702 (915) 688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEC. 10, T41S, R24E**  
**810' FNL & 1980' FWL**

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

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

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

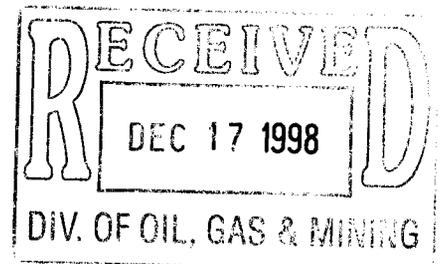
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

MOBIL REQUEST AN EXTENSION OF TA STATUS FOR THIS WELLBORE.

THIS WELLBORE IS TO BE UTILIZED FOR ZONE 2 CO2.

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

COPY SENT TO OPERATOR  
Date: 12-21-98  
Initials: CHD



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

Signed Shirley Houchins Title **SHIRLEY HOUCHINS/ENV & REG TECH** Date **12-15-98**

(This space for Federal or State office use)

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

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

14-20-603-4043

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 10-W-21

9. API Well No.

43-037-16401

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

MOBIL PRODUCING TX & NM INC.\*  
\*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702 (915) 688-2585

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

SEC. 10, T41S, R24E  
810' FNL & 1980' FWL

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

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

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

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

ATTACHED COPY OF PASSED MIT CHART (11-19-98)

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

Signed Shirley Houchins

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 2-05-99

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

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

\* See instruction on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an Abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
14-20-603-4043

6. If Indian, Allottee or Tribe Name  
NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.  
Ratherford Unit

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
Ratherford 10-W-21

2. Name of Operator  
Mobil Producing TX & NM Inc\*  
\*Mobil Exploration & Producing US Inc as agent for MPTM

9. API Well No.  
43-037-16401

3a. Address  
P.O. Box 4358, Houston, TX 77210-4358

3b. Phone No. (include area code)  
713-431-1022

10. Field and Pool, or Exploratory Area  
Greater Aneth

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
810' FNL & 1980 FWL Sec. 10-T41S-R242E

11. County or Parish, State  
San Juan, UTAH

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

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |   |  |   |
|--|---|---|--|---|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                           |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                           |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <u>Extend TA Status</u> |
|  | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
|  | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Mobil Exploration & Producing US Inc. as agent for Mobil Producing Texas & New Mexico Inc. & Mobil Exploration & Producing North America Inc requests extension of the TA Status of the subject well.

Future plans for this well are to hold the wellbore for potential use in a Zone II CO2 flood. Based on current CO2 flood design, this well will be brought back on-line as a producing well when CO2 injection begins in the RU 10-23 and RU 10-43. The Zone II CO2 flood will be one of the last phases of the Ratherford CO2 project.

The well has been nonactive or nonproductive for 8 years 2 months. In accordance with R649-3-36, the well may remain shut-in or temporarily abandoned until December, 2001, at which time either the well shall be plugged or good cause shall be demonstrated to the Division as to why the well should not be plugged.

APPROVED BY: [Signature] 21-November-2000  
Utah Division of Oil, Gas & Mining

COPY SENT TO OPERATOR  
DATE: 11-21-00  
BY: [Signature] DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)  
Mark Del Pico Title **Regulatory Specialist**

Signature [Signature] Date **11/15/00**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

Oil Well  Gas Well  Other **INJECTION WELL**

2. Name of Operator

**Exxon Mobil Corporation**

3a. Address **P.O. Box 4358  
Houston TX 77210-4358**

3b. Phone No. (include area code)  
**(713) 431-1197**

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

**810' FNL & 1980' FWL  
Sec 10 T-41-S R-24-E**

5. Lease Serial No.  
**14-20-603-4043**

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

7. If Unit or CA/Agreement, Name and/or No.  
**SW-I-4192**

8. Well Name and No.  
**Rutherford Unit 10W21**

9. API Well No.  
**43-037-16401**

10. Field and Pool, or Exploratory Area  
**GREATER ANETH**

11. County or Parish, State  
**SAN JUAN UT**

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

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |   |  |  |
|--|---|---|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off  |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity  |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <b>MIT Results -<br/>Failed Test</b> |
|  | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |  |
|  | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |  |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If proposal is to deepen directionally or complete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including recompletion, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached is the MIT chart and summary of results for the test performed on 02/20/2001. This is a failed MIT.

**RECEIVED**

MAR 08 2001

DIVISION OF  
OIL, GAS AND MINING

|  |  |
|--|--|
| 14. I hereby certify that the foregoing is true and correct<br>Name (Printed/Typed)<br><b>Ellen M. Carroll</b> | Title<br><b>Sr. Staff Office Assistant</b> |
| Signature<br><i>Ellen M. Carroll</i>   | Date<br><b>03/07/2001</b>                  |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

|             |       |      |
|-------------|-------|------|
| Approved by | Title | Date |
|-------------|-------|------|

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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

MAR 02 2001

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator Exxon Mobil NS West Date of Test 2/20/01  
 Well Name Rutherford Unit Well #10W21 EPA Permit No. \_\_\_\_\_  
 Location NENW Sec 10, T41S, R24E Tribal Lease No. 14206034043  
 State and County SAN JUAN COUNTY, UTAH  
 Continuous Recorder? YES  NO  Pressure Gauge? YES  NO   
 Bradenhead Opened? YES  NO  Fluid Flow? YES  NO

| TIME            | ANNULUS PRESSURE, psi  |                           | TUBING PRESSURE, psi   |
|-----------------|------------------------|---------------------------|------------------------|
|                 | <u>0-1500psi gauge</u> | <u>0-1500psi recorder</u> | <u>0-5000psi gauge</u> |
| <u>12:28 pm</u> | <u>1030</u>            | <u>1045</u>               | <u>1005</u>            |
|                 |                        |                           |                        |
|                 |                        |                           |                        |
|                 |                        |                           |                        |
|                 |                        |                           |                        |
|                 |                        |                           |                        |
|                 |                        |                           |                        |
|                 |                        |                           |                        |

MAX. INJECTION PRESSURE: 3000 PSI  
 MAX. ALLOWABLE PRESSURE CHANGE: 51.50 PSI (TEST PRESSURE X 0.05)  
 REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

TA, for three years.  
 Tubing + annulus psi equalized, communication.  
 Failed MIT

## RECEIVED

MAR 08 2001

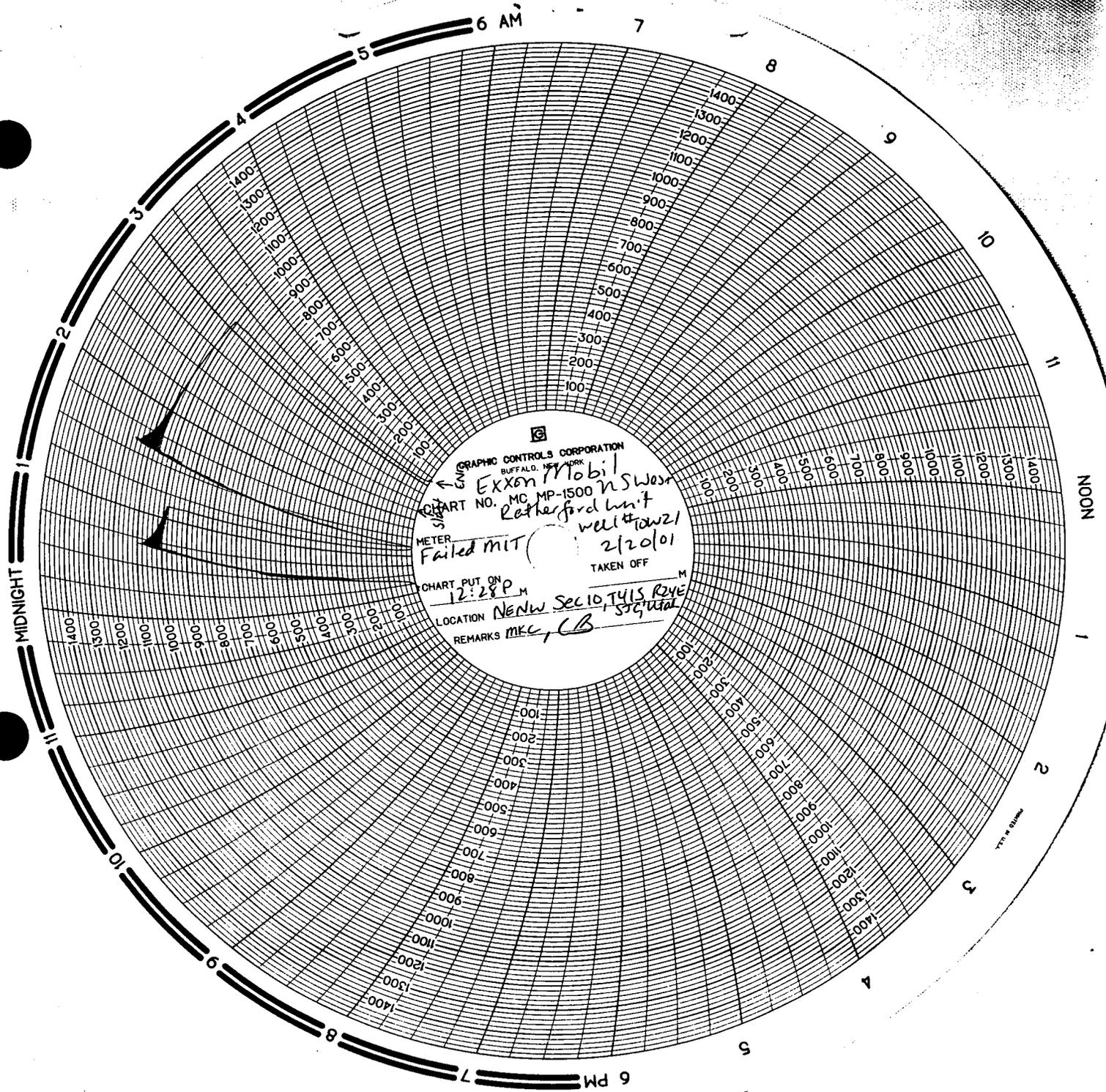
DIVISION OF OIL, GAS AND MINING

Carly Blum CB  
 COMPANY REPRESENTATIVE: (Print and Sign)

2/20/01  
 DATE

MELVINA K. CLAH Melvin K. Clah  
 INSPECTOR: (Print and Sign)

2/20/01  
 DATE



**RECEIVED**

MAR 08 2001

DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.

**14-20-603-4043**

6. If Indian, Allottee or Tribe Name

**Navajo Tribal**

7. If Unit or CA/Agreement, Name and/or No.

**SW-I-4192**

8. Well Name and No.

**Ratherford Unit 10W21**

9. API Well No.

**43-037-16401**

10. Field and Pool, or Exploratory Area

**GREATER ANETH**

11. County or Parish, State

**SAN JUAN UT**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well

Oil Well  Gas Well  Other **INJECTION WELL**

2. Name of Operator

**Exxon Mobil Corporation**

3a. Address **P.O. Box 4358**

**Houston**

**TX 77210-4358**

3b. Phone No. (include area code)

**(713) 431-1197**

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

**810' FNL & 1980' FWL**

**Sec 10 T-41-S R-24-E**

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

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |   |  |  |
|--|---|---|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                                    |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                                    |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <b>MIT Results - Failed Test</b> |
|  | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |  |
|  | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |  |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including recalculation, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached is the MIT chart and summary of results for the test performed on 03/28/2001. This is a failed MIT.

**RECEIVED**

APR 10 2001

DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Ellen M. Carroll**

Title

**Sr. Staff Office Assistant**

Signature

*Kim Hinch for Ellen Carroll*

Date

**04/09/2001**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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

(Instructions on Reverse)

APR 02 2001

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator Exxon-Mobil E+P USA, Inc Date of Test 3/28/01  
 Well Name #10W-21 Rafterford Unit EPA Permit No. \_\_\_\_\_  
 Location ne/nw Sec 10, T41S-R24E Tribal Lease No. 14-20-603-4043  
 State and County San Juan Co., Utah

Continuous Recorder? YES  NO  Pressure Gauge? YES  NO   
 Bradenhead Opened? YES  NO  Fluid Flow? YES  NO   
 Closed bradenhead due to fluid flow.

| TIME     | ANNULUS PRESSURE, psi |          | TUBING PRESSURE, psi |
|----------|-----------------------|----------|----------------------|
|          | 1500 psi gauge        | RECORDER |                      |
| 11:55 AM | 1010                  | 1020     | N/A                  |
| Noon     | 955                   | 990      |                      |
| 12:05 PM | 935                   | 970      |                      |
| 12:10 PM | 920                   | 960      |                      |
| 12:15 PM | 905                   | 950      |                      |
| 12:20 PM | 900                   | 940      |                      |
| 12:25 PM | 895                   | 930      |                      |

MAX. INJECTION PRESSURE: 2850 PSI  
 MAX. ALLOWABLE PRESSURE CHANGE: 50.5 PSI (TEST PRESSURE X 0.05)

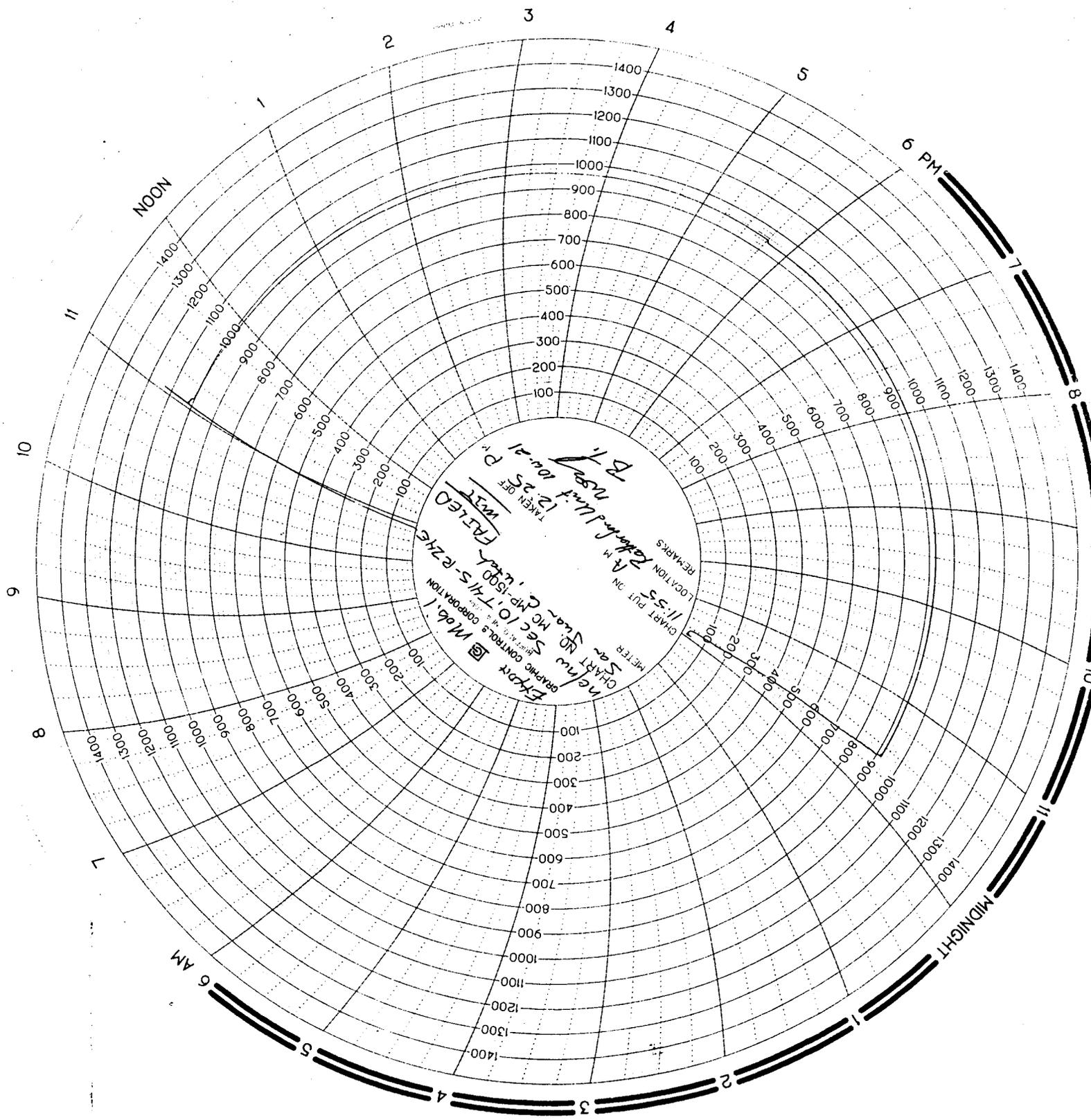
REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).  
 SI injection well. Only one joint of tubing in hole; cast iron bridge plug set @ depth. FAILED MIT.

Bryan Jimmis  
 COMPANY REPRESENTATIVE: (Print and Sign)

3/28/01  
 DATE

Wm. E. Freeman  
 INSPECTOR: (Print and Sign)

3/28/01  
 DATE



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well     Gas Well     Other **INJECTION WELL**

2. Name of Operator  
**Exxon Mobil Corporation**

3a. Address **P.O. Box 4358**  
**Houston TX 77210-4358**

3b. Phone No. (include area code)  
**(713) 431-1197**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**810' FNL & 1980' FWL**  
**Sec 10 T-41-S R-24-E**

5. Lease Serial No.  
**14-20-603-4043**

6. If Indian, Allottee or Tribe Name  
**Navajo Tribal**

7. If Unit or CA/Agreement, Name and/or No.  
**SW-I-4192**

8. Well Name and No.  
**Ratherford Unit 10W21**

9. API Well No.  
**43-037-16401**

**GREATER ANETH**

11. County or Parish, State  
**SAN JUAN UT**

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

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |   |  |  |
|--|---|---|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off                                |
| <input type="checkbox"/> Subsequent Report           | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                                |
| <input type="checkbox"/> Final Abandonment Notice    | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <b>Request for Exception</b> |
|  | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |  |
|  | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |  |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including recalculation, have been completed, and the operator has determined that the site is ready for final inspection.)

As per our telephone conversations with Jim Walker (5/18) and Steve Mason (6/1), we request an exception to the 5% (MIT bleed off) rule for the Ratherford Unit 10W21. This well is Temporarily Abandoned. Prior to performing the MIT there was a 0 pressure on the well. The well failed the MIT with a pressure bleed off of approximately 8.5% versus the 5% allowable. Because the bleed off is so small, we can not determine if the problem is: (a) a small leak around the CIBP, (b) a small casing leak, or (c) a leak in the wellhead equipment.

We are proposing to check and record the wellbore pressure on a monthly basis and if the well begins to build pressure a procedure will be submitted to either plug or repair the well. We will perform the MIT on an annual basis versus the current 3 year cycle. If the bleed off exceeds 10% a procedure will be submitted to either plug or repair the well.

Renewal of TA status is also requested. Well will be retained for potential future injection. Please reference Steve Mason's (BLM) letter attached.

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

|  |  |
|--|--|
| Name (Printed/Typed)<br><b>Kim Lynch</b> | Title<br><b>Sr. Staff Office Assistant</b> |
| Signature<br><i>Kim Lynch</i>            | Date<br><b>06/04/2001</b>                  |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

|   |        |      |
|---|--------|------|
| Approved by   | Title  | Date |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office |      |

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

(Instructions on Reverse)

U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
OIL, GAS AND MINING

MAY 25 2001



## United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington Field Office  
1235 La Plata Highway  
Farmington, New Mexico 87401

IN REPLY REFER TO:

MAY 21 2001

14-20-603-4043 (WC)  
3162.3-4 (7100)

Mr Alex M. Correa  
Mobil Oil Corp.  
%Exxon-Mobil  
PO Box 4358  
Houston, TX 77210-4358

Dear Mr Correa:

Reference is made to your well No. 10W21 Ratherford Unit located 810' FNL & 1980' FWL sec. 10, T. 41 S., R. 24 E., San Juan County, Utah, Lease 14-20-603-4043. Also referenced is your Sundry Notices dated March 7 and April 9, 2001, which stated Mechanical Integrity Tests (MIT) failed. Since the well has a suspected casing leak, you were required to complete your evaluation and submit a procedure to either repair the casing leak or to plug and abandon the well by May 15, 2001 which as of this date has not been received. Therefore, you are required to submit a procedure to either repair the casing leak or to plug and abandon the well by June 10, 2001.

Failure to comply within the time above may result in an assessment in accordance with 43 CFR 3163.1.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the orders described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management (NM-93000), P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such requests shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 et seq.

If you have any questions please contact Stephen Mason with this office at (505) 599-6364.

Sincerely,

Stephen Mason  
Petroleum Engineer, Petroleum Management Team

cc:

BIA, Window Rock: Navajo Nation Minerals Dept.; EPA

**ExxonMobil Production Comp**

U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

June 27, 2001

**ExxonMobil**  
*Production*

Mr. Jim Thompson  
State of Utah, Division of Oil, Gas and Mining  
1549 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

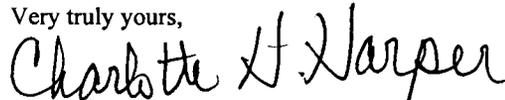
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

XXXXXXXXXXXXXXXXXXXX  
Navajo Area Office  
NAVAJO REGION

P.O. Box 1060  
Gallup, New Mexico 87305-1060

**AUG 30 2001**

IN REPLY REFER TO:

RRES/543

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

Charlotte H. Harper, Permitting Supervisor  
Exxon Mobil Production Company  
U. S. West  
P. O. Box 4358  
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

CEMMI DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓  
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

|                    |           |
|--------------------|-----------|
| MINERAL RESOURCES  |           |
| ADM                | <i>DM</i> |
| NATV AM MIN COORD  |           |
| SOLID MIN TEAM     |           |
| PETRO MENT TEAM    | <i>2</i>  |
| O & G INSPECT TEAM |           |
| ALL TEAM LEADERS   |           |
| LAND RESOURCES     |           |
| ENVIRONMENT        |           |
| FILES              |           |

**ExxonMobil Production Company**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

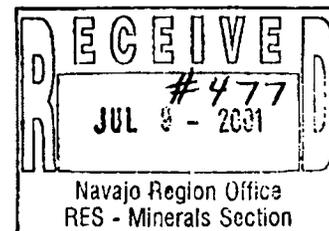
*By 7/12/2001*  
*SH*  
*593*  
*File*

June 27, 2001

**ExxonMobil**  
*Production*

Certified Mail  
Return Receipt Requested

Ms. Genni Denetsone  
United States Department of the Interior  
Bureau of Indian Affairs, Navajo Region  
Real Estate Services  
P. O. Box 1060  
Gallup, New Mexico 87305-1060  
Mail Code 543



Change of Name -  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

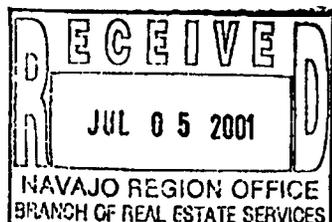
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

*NOTE: Check forwarded to Ella Issac*

Bureau of Indian Affairs  
Navajo Region Office  
Attn: RRES - Mineral and Mining Section  
P.O. Box 1060  
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

|                |                    |  |
|----------------|--------------------|--|
| President      | <u>F.A. Risch</u>  | Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u> |
| Vice President | <u>K.T. Koonce</u> | Address <u>800 Bell Street Houston, TX 77002</u>       |
| Secretary      | <u>F.L. Reid</u>   | Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u> |
| Treasure       | <u>B.A. Maher</u>  | Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u> |

DIRECTORS

|      |                       |  |
|------|-----------------------|--|
| Name | <u>D.D. Humphreys</u> | Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u> |
| Name | <u>P.A. Hanson</u>    | Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u> |
| Name | <u>T.P. Townsend</u>  | Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u> |
| Name | <u>B.A. Maher</u>     | Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u> |
| Name | <u>F.A. Risch</u>     | Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u> |

Sincerely,

Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is trust and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800 whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



Signature

AGENT AND ATTORNEY IN FACT

Title

**CERTIFICATION**

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

**CHANGE OF COMPANY NAME**

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,  
ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

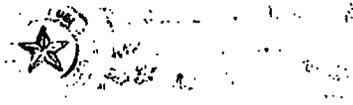
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Sullivan  
Assistant Secretary

COUNTY OF DALLAS )  
STATE OF TEXAS )  
UNITED STATES OF AMERICA )

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

Janice M. Phillips  
Notary Public



**LISTING OF LEASES OF MOBIL OIL CORPORATION****Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

# CHUBB GROUP OF INSURANCE COMPANIES

One Chubb Plaza, Suite 1400, Houston, Texas 77027-3307  
Houston, TX 77027-4600 • Cincinnati, OH 45222-4750

*NW Bond*

**FEDERAL INSURANCE COMPANY RIDER**  
to be attached to and form a part of

**BOND NO 8027 31 97**

wherein

**Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is**  
named as Principal and

**FEDERAL INSURANCE COMPANY AS SURETY,**

**in favor of United States of America, Department of the Interior**  
**Bureau of Indian Affairs**

**in the amount of \$150,000.00**  
**bond date: 11/01/65**

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001  
the name of the Principal is changed

**FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.**

**TO : ExxonMobil Oil Corporation**

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12<sup>th</sup> of June, 2001.

**ExxonMobil Oil Corporation**

By :



**FEDERAL INSURANCE COMPANY**

By:

*Mary Pierson*  
**Mary Pierson, Attorney-in-fact**



POWER OF ATTORNEY

Federal Insurance Company  
Vigilant Insurance Company  
Pacific Indemnity Company

Attn.: Surety Department  
15 Mountain View Road  
Warren, NJ 07059

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint R.F. Bobo, Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

*Kenneth C. Wendel*  
Kenneth C. Wendel, Assistant Secretary

*Frank E. Robertson*  
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.  
County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in the presence of me, the Notary Public.



Notary Public State of New Jersey  
No. 2231647  
Commission Expires Oct 29, 2004

*Karen A. Price*  
Notary Public

Extract from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:  
"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



*Kenneth C. Wendel*  
Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

**FIRST:** That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

**SECOND:** That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

**THIRD:** That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st: The corporate name of said Company shall be,  
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC  
CSC

5184334741

06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:06 NO.133 03/04

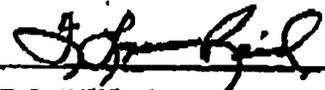
FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.

  
\_\_\_\_\_  
F. A. Risch, President 

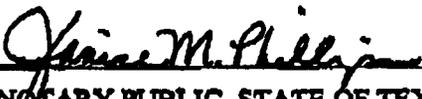
STATE OF TEXAS       )  
COUNTY OF DALLAS    )

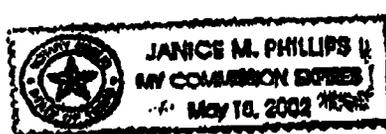
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
\_\_\_\_\_  
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]

  
\_\_\_\_\_  
NOTARY PUBLIC, STATE OF TEXAS



CSC  
CSC

5184334741

06/01 '01 09:01 NO. 411 02/02  
06/01 '01 09:06 NO. 133 04/04  
**F010601000187**

**CSC 45**

**CERTIFICATE OF AMENDMENT**

**OF**

**MOBIL OIL CORPORATION**

Under Section 805 of the Business Corporation Law

*SAC*

**STATE OF NEW YORK  
DEPARTMENT OF STATE**

*100 cc*

Filed by: EXXONMOBIL CORPORATION  
(Name)

FILED JUN 01 2001

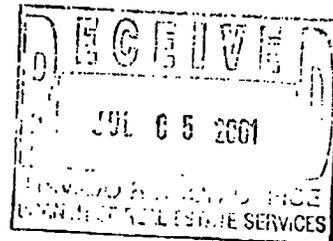
5959 Las Colinas Blvd.  
(Mailing address)

TAX \$ \_\_\_\_\_  
BY: *SAC*

Irving, TX 75039-2298  
(City, State and Zip code)

*ny Albany*

*Cust Ref # 1655781MPJ*



**010601000195**

State of New York }  
Department of State } ss:

*I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.*

Witness my hand and seal of the Department of State on **JUN 01 2001**



A handwritten signature in black ink, appearing to read "J. H. ...", followed by a long horizontal line extending to the right.

*Special Deputy Secretary of State*

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

|         |
|---------|
| 1. GLH  |
| 2. CDW  |
| 3. FILE |

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

|  |                                |
|--|--------------------------------|
| The operator of the well(s) listed below has changed, effective: <b>06-01-2001</b> |                                |
| <b>FROM: (Old Operator):</b>   | <b>TO: ( New Operator):</b>    |
| MOBIL EXPLORATION & PRODUCTION   | EXXONMOBIL OIL CORPORATION     |
| Address: P O BOX DRAWER "G"  | Address: U S WEST P O BOX 4358 |
| CORTEZ, CO 81321   | HOUSTON, TX 77210-4358         |
| Phone: 1-(970)-564-5212  | Phone: 1-(713)-431-1010        |
| Account No. N7370  | Account No. N1855              |

**CA No. Unit: RATHERFORD**

| <b>WELL(S)</b>                 |                |              |              |               |              |                |
|--------------------------------|----------------|--------------|--------------|---------------|--------------|----------------|
| NAME                           | SEC TWN<br>RNG | API NO       | ENTITY<br>NO | LEASE<br>TYPE | WELL<br>TYPE | WELL<br>STATUS |
| RATHERFORD 14-W-42             | 14-41S-23E     | 43-037-15860 | 6280         | INDIAN        | WI           | A              |
| RATHERFORD UNIT 14-31          | 14-41S-23E     | 43-037-31717 | 6280         | INDIAN        | WI           | A              |
| 24-31                          | 24-41S-23E     | 43-037-15862 | 6280         | INDIAN        | WI           | A              |
| 24-42                          | 24-41S-23E     | 43-037-15863 | 6280         | INDIAN        | WI           | A              |
| 6-14                           | 06-41S-24E     | 43-037-15984 | 6280         | INDIAN        | WI           | A              |
| 7-12                           | 07-41S-24E     | 43-037-15985 | 6280         | INDIAN        | WI           | A              |
| 7-14                           | 07-41S-24E     | 43-037-15986 | 6280         | INDIAN        | WI           | A              |
| 7-34                           | 07-41S-24E     | 43-037-15989 | 6280         | INDIAN        | WI           | A              |
| NAVAJO B41-7 (RATHERFORD 7-41) | 07-41S-24E     | 43-037-15990 | 99990        | INDIAN        | WI           | A              |
| 8-14                           | 08-41S-24E     | 43-037-15992 | 6280         | INDIAN        | WI           | A              |
| RATHERFORD 8W43                | 08-41S-24E     | 43-037-16396 | 99996        | INDIAN        | WI           | A              |
| NAVAJO B-5 (RATHERFORD 9-43)   | 09-41S-24E     | 43-037-16400 | 99990        | INDIAN        | WI           | I              |
| NAVAJO B-6 (RATHERFORD 10W21)  | 10-41S-24E     | 43-037-16401 | 99990        | INDIAN        | WI           | I              |
| NAVAJO B-2 (RATHERFORD 10W23)  | 10-41S-24E     | 43-037-16402 | 99990        | INDIAN        | WI           | I              |
| NAVAJO W-2 (RATHERFORD 10W43)  | 10-41S-24E     | 43-037-16403 | 99990        | INDIAN        | WI           | I              |
| NAVAJO A-11 (RATHERFORD 15W21) | 15-41S-24E     | 43-037-16411 | 99990        | INDIAN        | WI           | I              |
| NAVAJO A-19 (RATHERFORD 15W23) | 15-41S-24E     | 43-037-16412 | 99990        | INDIAN        | WI           | I              |
| NAVAJO A-24 (RATHERFORD 15W43) | 15-41S-24E     | 43-037-16413 | 99990        | INDIAN        | WI           | I              |
| 16-12                          | 16-41S-24E     | 43-037-15720 | 6280         | INDIAN        | WI           | A              |
| 16-14                          | 16-41S-24E     | 43-037-15721 | 6280         | INDIAN        | WI           | A              |

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
- Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
- If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communitization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

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

**NOTE: EPA ISSUES UIC PERMIT**

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/10/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/10/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

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

1. State well(s) covered by Bond Number: N/A

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

1. Federal well(s) covered by Bond Number: N/A

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

1. Indian well(s) covered by Bond Number: 80273197

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
**14-20-603-4043**

6. If Indian, Allottee or Tribe Name  
**Navajo Tribal**

7. If Unit or CA/Agreement, Name and/or No.  
**SW-I-4192**

8. Well Name and No.  
**Ratherford Unit 10W21**

9. API Well No.  
**43-037-16401**

**GREATER ANETH**

11. County or Parish, State  
**SAN JUAN UT**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

1. Type of Well  
 Oil Well     Gas Well     Other **Injection Well**

2. Name of Operator  
**Exxon Mobil Corporation**

3a. Address **P.O. Box 4358**  
**Houston TX 77210-4358**

3b. Phone No. (include area code)  
**(713) 431-1828**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**810' FNL & 1980' FWL**  
**Sec 10 T-41-S R-24-E**

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

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |  |  |   |
|---|---|--|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen                      | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat              | <input checked="" type="checkbox"/> Reclamation    | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction            | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other _____    |
|   | <input type="checkbox"/> Change Plans         | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       |   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back                   | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including recalculation, have been completed, and the operator has determined that the site is ready for final inspection.)

**SEE ATTACHED PROCEDURE.**

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

|  |  |
|--|--|
| Name (Printed/Typed)<br><b>Cathy W. Higginbotham</b> | Title<br><b>Staff Office Assistant</b> |
| Signature<br><i>Cathy Higginbotham</i>               | Date<br><b>05/09/2002</b>              |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |        |      |
|---|--------|------|
| Approved by   | Title  | Date |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office |      |

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**JUL 0 1 2002**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.  
**14-20-603-4043**

6. If Indian, Allottee or Tribe Name  
**Navajo Tribal**

7. If Unit or CA/Agreement, Name and/or No.  
**SW-I-4192**

8. Well Name and No.  
**Ratherford Unit 10W21**

9. API Well No.  
**43-037-16401**

**GREATER ANETH**  
11. County or Parish, State  
**SAN JUAN UT**

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side**

Type of Well  
 Oil Well  Gas Well  Other **Injection Well**

Name of Operator  
**Exxon Mobil Corporation**  
1a. Address **P.O. Box 4358 Houston TX 77210-4358**

3b. Phone No. (include area code)  
**(713) 431-1828**

Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**810' FNL & 1980' FWL Sec 10 T-41-S R-24-E**

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

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |  |  |   |
|---|---|--|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen                      | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat              | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction            | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other _____    |
|   | <input type="checkbox"/> Change Plans         | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | _____                                   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back                   | <input type="checkbox"/> Water Disposal            | _____                                   |

3. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including recalculation, have been completed, and the operator has determined that the site is ready for final inspection.)

See attached procedure.

**Approved as to plugging of the well bore.  
Liability under bond is retained until  
surface restoration is completed.**

2002 JUN 17 11:11:20  
DIV. OF OIL, GAS & MINING

**RECEIVED  
APR 24 2006**

4. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed) **Cathy W. Higginbotham**

Title **Staff Office Assistant**

Signature **Cathy Higginbotham**

Date **06/13/2002**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by \_\_\_\_\_

Title \_\_\_\_\_ Date **ACCEPTED FOR RECORD**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office \_\_\_\_\_ **JUN 26 2002**

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

**FARMINGTON FIELD OFFICE**  
BY **Java**

(Instructions on Reverse)

**OPERATOR**

**Ratherford Unit #10W21  
San Juan County, Utah  
14-20-603-4043**

2002/05/16 (Thursday)

REPORT CREATED BY J W SIMONS. MIRU WSU. SPOT RIG AND EQUIPMENT. SION.

2002/05/17 (Friday)

RU AND NDWH, NU AND TEST BOPE. PU AND RIH W/ BIT ON WORKSTRING. TAG UP AT 5290'. RU AND POWER SWIVEL AND SION.

2002/05/20 (Monday)

SITP/CP = 0. PU SWIVEL AND BEGIN DRILLING. TAG CIBP AT 5320'. DRILLOUT AND CIRCULATE CLEAN. POOH AND LD BIT. MU AND RIH W/ CEMENT RETAINER AND SET AT 5365'. SION.

2002/05/21 (Tuesday)

OPEN WELL. 0 PSI TBG AND CSG. STING IN AND OUT OF RETAINER. PRESSURE TEST CSG TO 1000 PSI FOR 30 MIN. GOOD TEST. RU AND ESTABLISH INJECTION RATE AT .75 BPM AT 500 PSI. PREP TO PUMP CEMENT AND SION.

2002/05/22 (Wednesday)

OPEN WELL AND RU SCHLUMBERGER. HELD PRE-JOB MEETING AND PREPARED TO PUMP CEMENT. PUMPED 60 SACKS OF CLASS 'G' CEMENT. PRESSURE TO 1000 PSI. SHUT DOWN AND STING OUT OF RETAINER. SPOT ~140 SACKS ON TOP OF RETAINER. TOC AT ~4145'. PULL ABOVE TAC AND REVERSE CLEAN WITH 10 PPG KWF. FINISH POOH AND RU WIRELINE. RIH AND PERFORATE FROM 1400'-1402' WITH 4 SPF. POOH AND RD WIRELINE. PRESSURE UP ON CSG TO 1200 PSI. WOULD NOT CIRC UP ANNULUS. LEFT PRESSURE ON WELL WHILE PREPPING TO RE-PERFORATE. FINALLY BROKE DOWN. CIRC CLEAN AND RIH W/ RETAINER AND SET AT ~1316'. PUMP 200 SACKS OF 65/35 POZ 12.7 PPG CEMENT UNTIL GOOD RETURNS AT SURFACE. STING OUT OF RETAINER AND BEGIN PUMPING CLASS 'G' TO FILL CASING. GOOD CEMENT IN RETURNS. POOH LAYING DOWN AND SION. JOB WITNESSED BY BILL FREEMAN WITH NNEPA AND WALLACE ASHLEY WITH NN MINERALS.

2002/05/23 (Thursday)

OPEN WELL. CEMENT TOO HIGH TO REMOVE WELLHEAD. PU BIT AND DRILL OUT ~6'-8' BELOW GROUND LEVEL. POOH AND RIH W/ INSIDE CSG CUTTER. CUT OFF 6' BELOW GL. POOH. ND BOPE AND RD REMAINING EQUIPMENT. RDWSU MO.

2002/05/31 (Friday)

CUT AND CAP WELLHEAD. JOB COMPLETE.

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

|                |
|----------------|
| <b>ROUTING</b> |
| 1. DJJ         |
| 2. CDW         |

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

|  |   |                         |
|--|---|-------------------------|
| The operator of the well(s) listed below has changed, effective:   |   | <b>6/1/2006</b>         |
| <b>FROM:</b> (Old Operator):<br>N1855-ExxonMobil Oil Corporation<br>PO Box 4358<br>Houston, TX 77210-4358<br>Phone: 1 (281) 654-1936 | <b>TO:</b> ( New Operator):<br>N2700-Resolute Natural Resources Company<br>1675 Broadway, Suite 1950<br>Denver, CO 80202<br>Phone: 1 (303) 534-4600 |                         |
| <b>CA No.</b>  | <b>Unit:</b>  | <b>RATHERFORD (UIC)</b> |

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2)Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

|  |   |
|--|---|
| Well Name and Number<br>See attached list                          | API Number<br>Attached                            |
| Location of Well<br>Footage: See attached list<br>County: San Juan | Field or Unit Name<br>Rutherford Unit             |
| QQ, Section, Township, Range:<br>State: UTAH                       | Lease Designation and Number<br>See attached list |

EFFECTIVE DATE OF TRANSFER: 6/1/2006

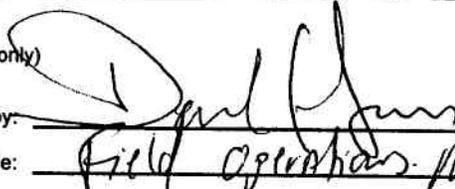
CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation Name: \_\_\_\_\_  
Address: PO Box 4358 Signature: \_\_\_\_\_  
city Houston state TX zip 77210-4358 Title: \_\_\_\_\_  
Phone: (281) 654-1936 Date: \_\_\_\_\_  
Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company Name: Dwight E Mallory  
Address: 1675 Broadway, Suite 1950 Signature:   
city Denver state CO zip 80202 Title: Regulatory Coordinator  
Phone: (303) 534-4600 Date: 4/20/2006  
Comments: A list of affected UIC wells is attached.  
New bond numbers for these wells are:  
BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by:   
Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

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DIV. OF OIL, GAS & MINING

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

FORM 9

|  |  |  |
|--|--|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>   |  | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>See attached list |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br>Navajo Tribe        |
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>   |  | 7. UNIT or CA AGREEMENT NAME:<br>Ratherford Unit             |
| 2. NAME OF OPERATOR:<br>Resolute Natural Resources Company <u>N2700</u>  |  | 8. WELL NAME and NUMBER:<br>See attached list                |
| 3. ADDRESS OF OPERATOR:<br>1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202  |  | 9. API NUMBER:<br>Attached                                   |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: <u>See attached list</u> COUNTY: <u>San Juan</u>   |  | 10. FIELD AND POOL, OR WILDCAT:<br>Greater Aneth             |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: <u>UTAH</u>  |  |  |

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

| TYPE OF SUBMISSION   | TYPE OF ACTION  |   |  |
|--|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start: _____          | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion: _____ | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL      |
|  | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON           |
|  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input checked="" type="checkbox"/> OPERATOR CHANGE       | <input type="checkbox"/> TUBING REPAIR                 |
|  | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                 |
|  | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                |
|  | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                |
|  | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input type="checkbox"/> OTHER: _____                  |
|  | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |  |

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

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

|  |                                     |
|--|-------------------------------------|
| NAME (PLEASE PRINT) <u>Dwight E Malloy</u> | TITLE <u>Regulatory Coordinator</u> |
| SIGNATURE                                  | DATE <u>4/20/2006</u>               |

(This space for State use only)

**APPROVED** 6127106  
*Earlene Russell*  
Division of Oil, Gas and Mining (See Instructions on Reverse Side)  
Earlene Russell, Engineering Technician

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**APR 24 2006**  
DIV. OF OIL, GAS & MINING

(5/2000)

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

FORM 9

|  |   |   |
|--|---|---|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>   |   | 5. LEASE DESIGNATION AND SERIAL NUMBER:                   |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |   | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:<br><b>Ship Rock</b> |
|  |   | 7. UNIT or CA AGREEMENT NAME:<br><b>UTU68931A</b>         |
| 1. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>  | 8. WELL NAME and NUMBER:<br><b>Ratherford</b> |   |
| 2. NAME OF OPERATOR:<br><b>ExxonMobil Oil Corporation</b> <i>N1855</i>   |   | 9. API NUMBER:<br><b>attached</b>                         |
| 3. ADDRESS OF OPERATOR:<br><b>P.O. Box 4358</b> CITY <b>Houston</b> STATE <b>TX</b> ZIP <b>77210-4358</b>  | PHONE NUMBER:<br><b>(281) 654-1936</b>        | 10. FIELD AND POOL, OR WILDCAT:<br><b>Aneth</b>           |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:  |   | COUNTY: <b>San Juan</b>                                   |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:   |   | STATE: <b>UTAH</b>  |

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

| TYPE OF SUBMISSION  | TYPE OF ACTION  |   |  |
|---|---|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>(Submit in Duplicate)<br>Approximate date work will start:<br><u>6/1/2006</u> | <input type="checkbox"/> ACIDIZE                        | <input type="checkbox"/> DEEPEN                           | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>(Submit Original Form Only)<br>Date of work completion:                                 | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> FRACTURE TREAT                   | <input type="checkbox"/> SIDETRACK TO REPAIR WELL      |
|   | <input type="checkbox"/> CASING REPAIR                  | <input type="checkbox"/> NEW CONSTRUCTION                 | <input type="checkbox"/> TEMPORARILY ABANDON           |
|   | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS       | <input checked="" type="checkbox"/> OPERATOR CHANGE       | <input type="checkbox"/> TUBING REPAIR                 |
|   | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> PLUG AND ABANDON                 | <input type="checkbox"/> VENT OR FLARE                 |
|   | <input type="checkbox"/> CHANGE WELL NAME               | <input type="checkbox"/> PLUG BACK                        | <input type="checkbox"/> WATER DISPOSAL                |
|   | <input type="checkbox"/> CHANGE WELL STATUS             | <input type="checkbox"/> PRODUCTION (START/RESUME)        | <input type="checkbox"/> WATER SHUT-OFF                |
|   | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE         | <input type="checkbox"/> OTHER: _____                  |
|   | <input type="checkbox"/> CONVERT WELL TYPE              | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION |  |

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

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

|  |                                    |
|--|------------------------------------|
| NAME (PLEASE PRINT) <u>Laurie Kilbride</u> | TITLE <u>Permitting Supervisor</u> |
| SIGNATURE <i>Laurie S. Kilbride</i>        | DATE <u>4/19/2006</u>              |

(This space for State use only) **APPROVED** 6/27/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician  
(See Instructions on Reverse Side)

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**GREATER ANETH FIELD UIC WELL LIST**  
**Ratherford lease, San Juan County, Utah**

| Reg Lease Name  | Well ID | API Num        | Status  | Reg Lease #    | Surface Location |       |     |     |     |         |         |
|-----------------|---------|----------------|---------|----------------|------------------|-------|-----|-----|-----|---------|---------|
|                 |         |                |         |                | Qtr 1            | Qtr 2 | Sec | TN  | RNG | NS Foot | EW Foot |
| RATHERFORD UNIT | 1W24    | 430371583900S1 | Shut-in | 14-20-603-246A | NE               | SE    | 1   | 41S | 23E | 0651FSL | 3300FEL |
| RATHERFORD UNIT | 2W44    | 430371638600S1 | Active  | 14-20-603-246A | SE               | SE    | 2   | 41S | 23E | 0810FSL | 0510FEL |
| RATHERFORD UNIT | 11W42   | 430371584100S1 | Active  | 14-20-603-246A | SE               | NE    | 11  | 41S | 23E | 3290FSL | 4617FWL |
| RATHERFORD UNIT | 11W44   | 430371584200S1 | Shut-in | 14-20-603-246A | SE               | SE    | 11  | 41S | 23E | 0660FSL | 0558FEL |
| RATHERFORD UNIT | 12W11   | 430371584300S1 | Active  | 14-20-603-246A | NW               | NW    | 12  | 41S | 23E | 0678FNL | 4620FEL |
| RATHERFORD UNIT | 12W13   | 430371640400S1 | Active  | 14-20-603-246A | NW               | SW    | 12  | 41S | 23E | 1980FSL | 4620FEL |
| RATHERFORD UNIT | 12W22   | 430371584501S1 | Active  | 14-20-603-246A | SE               | NW    | 12  | 41S | 23E | 1920FNL | 2080FWL |
| RATHERFORD UNIT | 12W24   | 430373115101S1 | Active  | 14-20-603-246A | SE               | SW    | 12  | 41S | 23E | 0775FSL | 1980FWL |
| RATHERFORD UNIT | 12W31   | 430371584700S1 | Active  | 14-20-603-246A | NW               | NE    | 12  | 41S | 23E | 0661FNL | 1981FEL |
| RATHERFORD UNIT | 12W33   | 430371584800S1 | Active  | 14-20-603-246A | NW               | SE    | 12  | 41S | 23E | 1958FSL | 3300FEL |
| RATHERFORD UNIT | 12W42   | 430371585000S1 | Active  | 14-20-603-246A | SE               | NE    | 12  | 41S | 23E | 3275FSL | 0662FEL |
| RATHERFORD UNIT | 12W44A  | 430373154300S1 | Shut-in | 14-20-603-246A | SE               | SE    | 12  | 41S | 23E | 0772FSL | 0807FEL |
|                 |         |                |         |                |                  |       |     |     |     |         |         |
| RATHERFORD UNIT | 13W11   | 430373115201S1 | Active  | 14-20-603-247A | NW               | NW    | 13  | 41S | 23E | 0500FNL | 0660FWL |
| RATHERFORD UNIT | 13W13   | 430371585100S1 | Active  | 14-20-603-247A | NW               | SW    | 13  | 41S | 23E | 1980FSL | 4620FEL |
| RATHERFORD UNIT | 13W22   | 430371585200S1 | Active  | 14-20-603-247A | SE               | NW    | 13  | 41S | 23E | 1988FNL | 3300FEL |
| RATHERFORD UNIT | 13W24   | 430371585300S1 | Active  | 14-20-603-247A | SE               | SW    | 13  | 41S | 23E | 0660FSL | 3300FEL |
| RATHERFORD UNIT | 13W33   | 430371585501S1 | Active  | 14-20-603-247A | NW               | SE    | 13  | 41S | 23E | 1970FSL | 1979FEL |
| RATHERFORD UNIT | 13W42   | 430371585700S1 | Shut-in | 14-20-603-247A | SE               | NE    | 13  | 41S | 23E | 2139FNL | 0585FEL |
| RATHERFORD UNIT | 13W44   | 430371640700S1 | Active  | 14-20-603-247A | SE               | SE    | 13  | 41S | 23E | 0653FSL | 0659FEL |
| RATHERFORD UNIT | 14-31   | 430373171700S1 | Active  | 14-20-603-247A | NW               | NE    | 14  | 41S | 23E | 0754FNL | 1604FEL |
| RATHERFORD UNIT | 14W42   | 430371586001S1 | Active  | 14-20-603-247A | SE               | NE    | 14  | 41S | 23E | 1976FNL | 653FEL  |
| RATHERFORD UNIT | 24W31   | 430371586200S1 | Shut-in | 14-20-603-247A | NW               | NE    | 24  | 41S | 24E | 0560FNL | 1830FEL |
| RATHERFORD UNIT | 24W42   | 430371586300S1 | Shut-in | 14-20-603-247A | SE               | NE    | 24  | 41S | 24E | 1980FNL | 0660FEL |
|                 |         |                |         |                |                  |       |     |     |     |         |         |
| RATHERFORD UNIT | 17W12   | 430371572601S1 | Active  | 14-20-603-353  | SW               | NW    | 17  | 41S | 24E | 1980FNL | 510FWL  |
| RATHERFORD UNIT | 17W14   | 430371572700S1 | Active  | 14-20-603-353  | SW               | SW    | 17  | 41S | 24E | 0610FSL | 0510FWL |
| RATHERFORD UNIT | 17W21   | 430371641601S1 | Active  | 14-20-603-353  | NE               | NW    | 17  | 41S | 24E | 0510FNL | 1830FWL |
| RATHERFORD UNIT | 17W23   | 430371572801S1 | Active  | 14-20-603-353  | NE               | SW    | 17  | 41S | 24E | 1880FSL | 1980FWL |
| RATHERFORD UNIT | 17W32   | 430371572900S1 | TA'd    | 14-20-603-353  | SW               | NE    | 17  | 41S | 24E | 1830FNL | 2030FEL |
| RATHERFORD UNIT | 17W34   | 430371573000S1 | Active  | 14-20-603-353  | SW               | SE    | 17  | 41S | 24E | 0560FSL | 1880FEL |
| RATHERFORD UNIT | 17W41   | 430371573100S1 | Shut-in | 14-20-603-353  | NE               | NE    | 17  | 41S | 24E | 0610FNL | 0510FEL |
| RATHERFORD UNIT | 17W43   | 430371641701S1 | Active  | 14-20-603-353  | NE               | SE    | 17  | 41S | 24E | 1980FSL | 0660FEL |
| RATHERFORD UNIT | 18-43B  | 430373171801S1 | Active  | 14-20-603-353  | NE               | SE    | 18  | 41S | 24E | 2023FSL | 0651FEL |
| RATHERFORD UNIT | 18W12   | 430373115301S1 | Active  | 14-20-603-353  | SW               | NW    | 18  | 41S | 24E | 1980FNL | 560FWL  |
| RATHERFORD UNIT | 18W14   | 430371573501S1 | Active  | 14-20-603-353  | SW               | SW    | 18  | 41S | 24E | 0810FSL | 0600FWL |
| RATHERFORD UNIT | 18W21   | 430371641801S1 | Active  | 14-20-603-353  | NE               | NW    | 18  | 41S | 24E | 660FNL  | 1882FWL |
| RATHERFORD UNIT | 18W23   | 430373024400S1 | Shut-in | 14-20-603-353  | NE               | SW    | 18  | 41S | 24E | 2385FSL | 2040FWL |
| RATHERFORD UNIT | 18W32   | 430371573601S1 | Active  | 14-20-603-353  | SW               | NE    | 18  | 41S | 24E | 2140FNL | 1830FEL |
| RATHERFORD UNIT | 18W34   | 430371573701S1 | Active  | 14-20-603-353  | SW               | SE    | 18  | 41S | 24E | 780FSL  | 1860FEL |
| RATHERFORD UNIT | 18W41   | 430371573800S1 | TA'd    | 14-20-603-353  | NE               | NE    | 18  | 41S | 24E | 0660FNL | 0660FEL |
| RATHERFORD UNIT | 19-12   | 430371573901S1 | Active  | 14-20-603-353  | SW               | NW    | 19  | 41S | 24E | 1980FNL | 0600FWL |
| RATHERFORD UNIT | 19-32   | 430371574301S1 | Active  | 14-20-603-353  | SW               | NE    | 19  | 41S | 24E | 2717FNL | 2802FEL |
| RATHERFORD UNIT | 19-34   | 430371574401S1 | Active  | 14-20-603-353  | SW               | SE    | 19  | 41S | 24E | 0660FSL | 1980FEL |
| RATHERFORD UNIT | 19W21   | 430371574100S1 | Shut-in | 14-20-603-353  | NE               | NW    | 19  | 41S | 24E | 0660FNL | 1860FWL |
| RATHERFORD UNIT | 19W23   | 430371574200S1 | Shut-in | 14-20-603-353  | NE               | SW    | 19  | 41S | 24E | 2080FSL | 1860FWL |
| RATHERFORD UNIT | 19W43   | 430371642000S1 | Shut-in | 14-20-603-353  | NE               | SE    | 19  | 41S | 24E | 1980FSL | 0760FEL |
| RATHERFORD UNIT | 20-12   | 430371574601S1 | Active  | 14-20-603-353  | SW               | NW    | 20  | 41S | 24E | 0709FNL | 0748FEL |
| RATHERFORD UNIT | 20-14   | 430371574701S1 | Active  | 14-20-603-353  | SW               | SW    | 20  | 41S | 24E | 0660FSL | 0660FWL |
| RATHERFORD UNIT | 20-32   | 430371574901S1 | Active  | 14-20-603-353  | SW               | NE    | 20  | 41S | 24E | 0037FNL | 0035FWL |
| RATHERFORD UNIT | 20-34   | 430371575001S1 | Active  | 14-20-603-353  | SW               | SE    | 20  | 41S | 24E | 0774FNL | 0617FWL |
| RATHERFORD UNIT | 20-67   | 430373159000S1 | Active  | 14-20-603-353  | NE               | SW    | 20  | 41S | 24E | 2629FSL | 1412FWL |
| RATHERFORD UNIT | 20W21   | 430371642300S1 | Active  | 14-20-603-353  | NE               | NW    | 20  | 41S | 24E | 0660FNL | 1880FWL |
| RATHERFORD UNIT | 20W23   | 430371574800S1 | Active  | 14-20-603-353  | NW               | SW    | 20  | 41S | 24E | 2080FSL | 2120FWL |
| RATHERFORD UNIT | 20W41   | 430371575100S1 | Active  | 14-20-603-353  | NE               | NE    | 20  | 41S | 24E | 0660FNL | 0660FEL |
| RATHERFORD UNIT | 20W43   | 430371642400S1 | TA'd    | 14-20-603-353  | NE               | SE    | 20  | 41S | 24E | 2070FSL | 0810FEL |
|                 |         |                |         |                |                  |       |     |     |     |         |         |
| RATHERFORD UNIT | 16W12   | 430371572000S1 | Active  | 14-20-603-355  | SW               | NW    | 16  | 41S | 24E | 1880FNL | 0660FWL |

**GREATER ANETH FIELD UIC WELL LIST**  
**Ratherford lease, San Juan County, Utah**

| Reg Lease Name  | Well ID | API Num        | Status  | Reg Lease #    | Surface Location |       |     |     |     |         |         |
|-----------------|---------|----------------|---------|----------------|------------------|-------|-----|-----|-----|---------|---------|
|                 |         |                |         |                | Qtr 1            | Qtr 2 | Sec | TN  | RNG | NS Foot | EW Foot |
| RATHERFORD UNIT | 16W14   | 430371572100S1 | Shut-in | 14-20-603-355  | SW               | SW    | 16  | 41S | 24E | 0660FSL | 0660FWL |
| RATHERFORD UNIT | 16W21   | 430371641400S1 | Active  | 14-20-603-355  | NE               | NW    | 16  | 41S | 24E | 0660FNL | 1880FWL |
| RATHERFORD UNIT | 16W23   | 430371572201S1 | Active  | 14-20-603-355  | NE               | SW    | 16  | 41S | 24E | 1980FSL | 1980FWL |
| RATHERFORD UNIT | 16W43   | 430371641501S1 | Active  | 14-20-603-355  | NE               | SE    | 16  | 41S | 24E | 2140FSL | 0820FEL |
| RATHERFORD UNIT | 21-14   | 430371575301S1 | Active  | 14-20-603-355  | SW               | SW    | 21  | 41S | 24E | 0660FSL | 0460FWL |
| RATHERFORD UNIT | 21-67   | 430373175301S1 | Active  | 14-20-603-355  | NE               | SW    | 21  | 41S | 24E | 2560FSL | 1325FWL |
| RATHERFORD UNIT | 21W21   | 430371642501S1 | Active  | 14-20-603-355  | NE               | NW    | 21  | 41S | 24E | 0660FNL | 2030FWL |
| RATHERFORD UNIT | 6W14    | 430371598400S1 | Active  | 14-20-603-368  | NE               | SE    | 6   | 41S | 24E | 0660FSL | 0660FWL |
| RATHERFORD UNIT | 7W12    | 430371598500S1 | Active  | 14-20-603-368  | NE               | SE    | 7   | 41S | 24E | 2140FNL | 0585FWL |
| RATHERFORD UNIT | 7W14    | 430371598600S1 | Active  | 14-20-603-368  | NE               | SE    | 7   | 41S | 24E | 1065FSL | 0660FWL |
| RATHERFORD UNIT | 7W21    | 430371639400S1 | Active  | 14-20-603-368  | NE               | NW    | 7   | 41S | 24E | 0710FNL | 1820FWL |
| RATHERFORD UNIT | 7W34    | 430371598900S1 | Active  | 14-20-603-368  | SW               | SE    | 7   | 41S | 24E | 0710FSL | 2003FEL |
| RATHERFORD UNIT | 7W43    | 430371639500S1 | Active  | 14-20-603-368  | NE               | SE    | 7   | 41S | 24E | 2110FSL | 0660FEL |
| RATHERFORD UNIT | 8W14    | 430371599200S1 | Active  | 14-20-603-368  | SW               | NE    | 8   | 41S | 24E | 0745FSL | 0575FWL |
| RATHERFORD UNIT | 10W43   | 430371640300S1 | TA'd    | 14-20-603-4037 | NE               | SE    | 10  | 41S | 24E | 1980FSL | 0550FEL |
| RATHERFORD UNIT | 29-12   | 430371533701S1 | Active  | 14-20-603-407  | SW               | NW    | 29  | 41S | 24E | 2870FNL | 1422FWL |
| RATHERFORD UNIT | 29-32   | 430371533901S1 | Active  | 14-20-603-407  | SW               | NE    | 29  | 41S | 24E | 0694FNL | 0685FWL |
| RATHERFORD UNIT | 29W21   | 430371643200S1 | Active  | 14-20-603-407  | NE               | NW    | 29  | 41S | 24E | 0667FNL | 2122FWL |
| RATHERFORD UNIT | 29W41   | 430371643300S1 | Active  | 14-20-603-407  | NE               | NE    | 29  | 41S | 24E | 0557FNL | 0591FEL |
| RATHERFORD UNIT | 29W43   | 430371643400S1 | Shut-in | 14-20-603-407  | NE               | SE    | 29  | 41S | 24E | 1980FSL | 0660FEL |
| RATHERFORD UNIT | 30W41   | 430371534300S1 | Shut-in | 14-20-603-407  | NE               | NE    | 30  | 41S | 24E | 0660FNL | 0660FEL |
| RATHERFORD UNIT | 28-12   | 430371533601S1 | Active  | 14-20-603-409  | SW               | SE    | 28  | 41S | 24E | 2121FNL | 0623FWL |
| RATHERFORD UNIT | 28W21   | 430371643100S1 | Shut-in | 14-20-603-409  | NE               | NW    | 28  | 41S | 24E | 0660FNL | 2022FWL |
| RATHERFORD UNIT | 9W23    | 430371639800S1 | Active  | 14-20-603-5046 | NW               | SE    | 9   | 41S | 24E | 1980FSL | 1980FWL |