

7-17-64 *Converted to Water Inspection Well*

FILE NOTATIONS

Entered in NID File
Entered On S R Sheet
Location Map Pinned
Card Indexed
I W R for State or Fee Land

Checked by Chief
Copy NID to Field Office
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 3-12-58
OW WW TA
GW OS PA

Location Inspected
Bond released
State of Fee Land

LOGS FILED

Driller's Log 4-2-58

Electric Logs (No.) 4

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 Lands
Lease No. 14-20-603-247

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)

~~August 26~~ FEB 6 1958, 19 ~~57~~

North Desert Creek
Well No. 44-13 is located 653 ft. from S line and 659 ft. from E line of sec. 13

13 (1/4 Sec. and Sec. No.) 413 (Twp.) 23E (Range) SLM (Meridian)
North Desert Creek (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the ~~derrick floor above sea level~~ is 4685 ft. (approx. ground)

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)

1. Drill 11" hole to 120'.
2. Cement 8-5/8" casing at 120' with 400 sacks pozzo mix followed by 200 sacks construction cement.
3. Drill 7-7/8" hole to 340'.
4. Cement 5-1/2" casing with 200 sacks construction cement.
5. Clean out to 347 1/2'.
6. Perforate four 1/2" holes/ft. gross interval 3315-50' depending on logs.
7. Wash perforations with 200 gal. mud acid and inject 2000 gal. mud acid.
8. Make production test and kill well with water.
9. Perforate four 1/2" holes/ft. gross interval 3360-5415' (depending on logs).
10. Wash perforations with 500 gal. mud acid.
11. Make production test, establish initial rate.

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

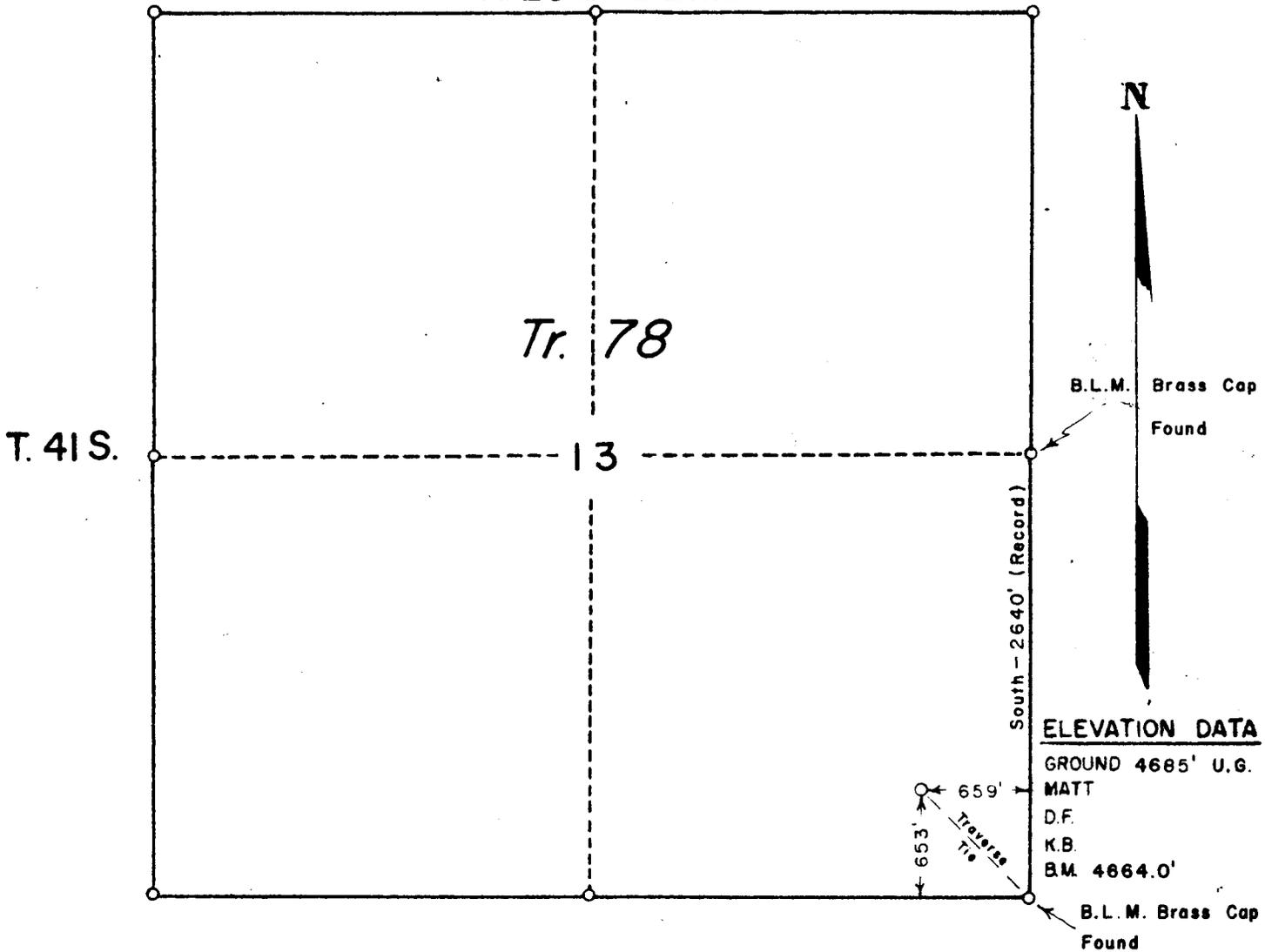
Company Shell Oil Company

Address 101 S. Rebroad

Farrington, N. M.

Original signed by
B. W. SHEPARD
By B. W. Shepard
Title Exploitation Engineer

R. 23 E. S. L. M.



REFERENCE POINT DATUM-

1"x2" STAKES SET AT 10' N.S.E., & W. OF LOC.
 1"x2" stake and 3' flag set at 510' N., 185' S., 165' W., & 200' E. of Loc.
 1"x2" hub & 3' flag bears North 510' from Loc. for B.M.
 1/2"x4' angle iron stake and 10' flag set at Loc. being 659' W. & 653' N.
 of the SE Cor. of Sec. 13, Tr. 78, T. 41 S., R. 23 E., S. L. M.

This is to certify that the above plat was prepared from field notes of an actual survey made under my supervision, and that the same is true and correct to the best of my knowledge and belief.

August 28, 1957

John A. Kroeger
 John A. Kroeger, L.S.
 Utah Reg. No. 1648

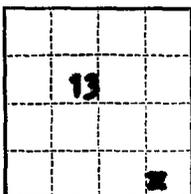


| | | |
|---------------------|--------------------------|------------------|
| Drawn By: Ritter | SHELL OIL COMPANY | Scale 1" = 1000' |
| Checked By: A.C.T. | | 220-634 |
| Date: Aug. 28, 1957 | | |

LOCATION OF N. DESERT CREEK 44 - 13
 SAN JUAN COUNTY, UTAH, TR. 78, SEC. 12, T. 41 S., R. 23 E., S. L. M.

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal lands

Lease No. 14-20-603-247

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)

~~August 26~~ FEB 6 1958, 19 ~~57~~

North Desert Creek
Well No. 44-13 is located 653 ft. from S line and 659 ft. from E line of sec. 13

SE 13 (1/4 Sec. and Sec. No.) 41S (Twp.) 23E (Range) S1E1M (Meridian)
North Desert Creek (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4685 ft. (approx. ground)

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)

1. Drill 11" hole to 1200'±.
2. Cement 8-5/8" casing at 1200'± with 400 sacks pozzo mix followed by 200 sacks construction cement.
3. Drill 7-7/8" hole to 5480'±.
4. Cement 5-1/2" casing with 200 sacks construction cement.
5. Clean out to 5475'±.
6. Perforate four 1/2" holes/ft. gross interval 5315-50' depending on logs.
7. Wash perforations with 200 gal. mud acid and inject 2000 gal. MW acid.
8. Make production test and kill well with water.
9. Perforate four 1/2" holes/ft. gross interval 5360-5415' (depending on logs).
10. Wash perforations with 500 gal. mud acid.
11. Make production test, establish initial rate.

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

Company Shell Oil Company

Address 101 S. Behrend

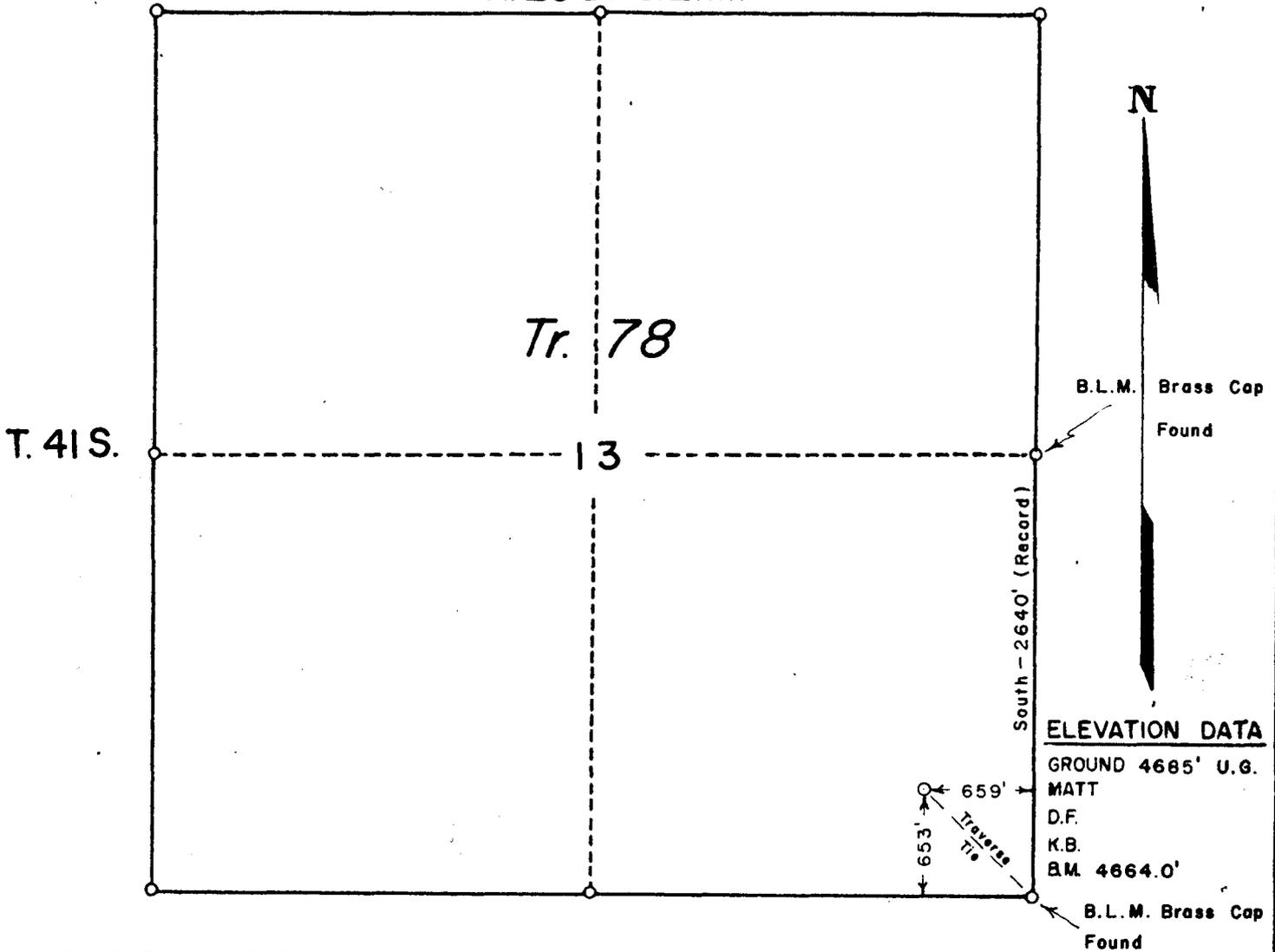
Farmington, N. M.

Original signed by
R. W. SHEPARD

By B. W. Shepard

Title Exploitation Engineer

R. 23 E. S. L. M.



REFERENCE POINT DATUM-

1"x2" STAKES SET AT 10' N.S.E., S.W. OF LOC.
 1"x2" stake and 3' flag set at 510' N., 185' S., 165' W., & 200' E. of Loc.
 1"x2" hub & 3' flag bears North 510' from Loc. for B.M.
 1/2"x4" angle iron stake and 10' flag set at Loc. being 659' W. & 653' N.
 of the SE Cor. of Sec. 13, Tr. 78, T. 41 S., R. 23 E., S. L. M.

This is to certify that the above plat was prepared from field notes of an actual survey made under my supervision, and that the same is true and correct to the best of my knowledge and belief.

August 28, 1957

John A. Kroeger
 John A. Kroeger, L.S.
 Utah Reg. No. 1648



| | | |
|---------------------|--------------------------|------------------|
| Drawn By: Ritter | SHELL OIL COMPANY | Scale 1" = 1000' |
| Checked By: A.C.T. | | |
| Date: Aug. 28, 1957 | | |

LOCATION OF N. DESERT CREEK 44 - 13
 SAN JUAN COUNTY, UTAH, TR. 78, SEC. 12, T. 41 S., R. 23 E., S. L. M.

February 7, 1958

Shell Oil Company
101 South Behrend
Farmington, New Mexico

Attention: B. W. Shepard, Exploitation Engineer

Gentlemen:

With reference to our telephone conversation of February 6, 1958, this letter is to confirm our verbal approval to drill Well No. Ratherford (North Desert Creek) 44-13, 653 feet from the south line and 659 feet from the east line of Section 13, Township 41 South, Range 23 East, S1EM, San Juan County, Utah.

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

It would be greatly appreciated if, in the future, you would state on your notice of intention forms the field in which the well is located in accordance with fields names adopted by this commission on August 20, and September 17, 1957.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

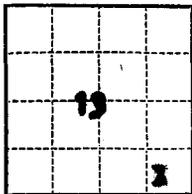
CLYDE B. FEIGHT
SECRETARY

CHF:cn

cc: Phil McGrath
USGS, Farmington,
New Mexico

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-247

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..... | <input checked="" type="checkbox"/> |
| NOTICE OF INTENTION TO ABANDON WELL..... | | | |

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

February 13, 1958

North Desert Creek
Well No. 44-13 is located 653 ft. from 13N line and 659 ft. from 23E line of sec. 13

SE 13 418 23E S1EM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Rutherford San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the Kelly Bushing above sea level is 4696.8 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)

(Spudded 2-9-58)

2-11, 12-58 Ran and cemented 8-5/8" 26#, J-55 casing at 1419' with 700 sacks treated cement. Good returns to surface. Flanged up and waited on casing. Tested UOP and casing with 700 PSI 15 min., OK.

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

Company Shell Oil Company

Address 101 S. Behrend

Farmington, New Mexico

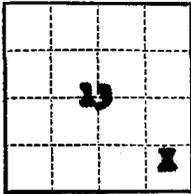
Original signed by
B. W. SHEPARD

By B. W. Shepard

Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands
Lease No. 14-30-603-247

*W-X
3-28*

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..... | <input checked="" type="checkbox"/> |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF..... | SUBSEQUENT REPORT OF ALTERING CASING..... | |
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| 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..... | <u>Subsequent Report of Well Completion</u> | <input checked="" type="checkbox"/> |

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

March 14, 1958

North Desert Creek
Well No. 44-13 is located 653 ft. from KK line and 699 ft. from EE line of sec. 13

SE 13 (1/4 Sec. and Sec. No.) 418 (Twp.) 23E (Range) S12M (Meridian)
Rutherford (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the ~~ground surface~~ Kelly Dushing above sea level is 4696.8 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)

- 3-6-58 Cemented 3-1/2" 14# casing at 5616' with 200 sacks regular cement.
- 3-10-58 Top of plug 5603. Perforated four 1/2" holes/ft. 5426-63, 5530-37, 5552-65, 5573-79, 5581-85'.
- 3-11-58 Acidized with 500 gal. mud acid, 3000 gal. regular and 3000 gal. retarded acid.
- 3-12-58 Initial Production: Flowing (3 hr. test) 2160 B/D oil rate 0.5 out, 1125 Mcf/D gas rate, GOR 520, 48/64" choke, TP 340, GPO.

Completed 3-12-58

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

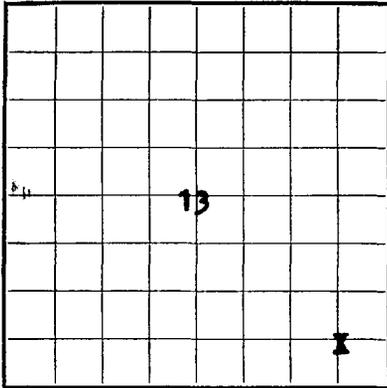
Company Shell Oil Company

Address 101 South Behrend
Farmington, New Mexico

Original signed by
B. W. SHEPARD
By B. W. Shepard
Title Exploitation Engineer

15

U. S. LAND OFFICE Window Rock, Ariz.
SERIAL NUMBER 14-20-603-247
LEASE OR PERMIT TO PROSPECT -----



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 S. Behrend, Farmington, N. Mex.
Lessor or Tract Tribal - North Desert Creek Field Ratherford State Utah
Well No. 44-13 Sec. 13 T. 41S R. 23E Meridian SLBM County San Juan
Location 653 ft. ^{N.}_{S.} of S. Line and 659 ft. ^{E.}_{W.} of E. Line of Sec. 13 Elevation 4697 KB
(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 _____ Original signed by E. W. SHEPARD

Date March 20, 1958 Title Exploitation Engineer

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

Commenced drilling February 9, 1958 Finished drilling March 7, 1958

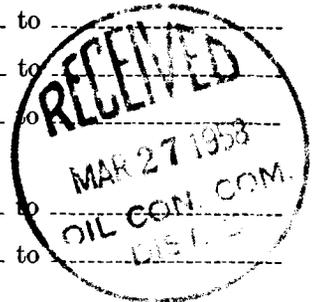
OIL OR GAS SANDS OR ZONES

(Gross) (Denote gas by G)

No. 1, from 5426 to 5585 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

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 | Annulus | Kind of tool joint | Cut and pulled from | Perforated | | Purpose |
|-------------|-----------------|------------------|------|---------|--------------------|---------------------|------------|------|--------------------|
| | | | | | | | From | To | |
| 8-5/8" | 28 | 8 | CF&I | 1406 | Baker | - | 5426 | 5585 | Surface Production |
| 5-1/2" | 14 | 8 | " | 5606 | " | " | | | (gross) |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|--------------|-------------|--------------------|
| 8-5/8" | 1419' | 500 Diamix + 200 | Displacement | " | " |
| 5-1/2" | 5616' | 200 | " | " | " |

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ PETD _____
Adapters—Material _____ Size _____

PETD
5603

FOLD MARK

FOLD MARK

| | | | | | |
|--------|-------|------------------|--------------|---|---|
| 8-5/8" | 1419' | 500 Diamix + 200 | Displacement | - | - |
| 5-1/2" | 5616' | 200 | " | - | - |

PLUGS AND ADAPTERS

PETD

Heaving plug—Material Length ~~Depth~~ **5603**
 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 5618 feet, and from feet to feet
 Cable tools were used from feet to feet, and from feet to feet

DATES

March 20, 19 58 Put to producing March 12, 19 58

The production for the first 24 hours was 2160 barrels of fluid of which 100% was oil;% emulsion;% water; and% sediment. Gravity, ~~XXX~~ **Approx. 41° API**

If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas
 Rock pressure, lbs. per sq. in.

EMPLOYEES Hewit & Gulick

J. R. Mercer , Driller W. J. Troutman , Driller
G. C. Kennedy , Driller

FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|-------|------|------------|---------------|
| 2167 | 2289 | 122 | Shinarump |
| 2289 | 2358 | 69 | Moenkopi |
| 2358 | 4428 | 2070 | Cutler |
| 4428 | 5411 | 983 | Upper Hermosa |
| 5411 | - | - | Paradox |

[OVER]

16-43094-4

APR 2 1958

5

SHELL OIL COMPANY

North Desert Creek

WELL NO. 44-13

Ratherford

DRILLING REPORT

FOR PERIOD ENDING

13

(FIELD)
San Juan, Utah

March 7, 1958

(SECTION OR LEASE)
T41S, R23E
(TOWNSHIP OR RANGE)

(COUNTY)

| DAY | DEPTHS | | REMARKS |
|-------------------|--------|------|---|
| | FROM | TO | |
| | | | <p><u>Location:</u> 653' N and 659' W of SE Corner, Section 13, T41S, R23E, SLBM, San Juan County, Utah.</p> <p><u>Elevations:</u> DF 4695.30' GR 4685.63' KB 4696.83'</p> |
| 2-9 to 2-13 | 0 | 1972 | Spudded 1:30 P.M., 2-9-58, cemented 41' of 16" conductor pipe with 50 sacks. Ran and cemented (1406') 8-5/8", 28#, J-55, CF & I, casing at 1419' with 500 sacks 50/50 Diamix and 200 sacks cement treated with 2% calcium chloride. Cement to surface. Flanged up and waited on cement. Pressure tested BOP and casing with 700 psi for 30 minutes, OK. |
| 2-14 to 3-2 | 1972 | 5421 | <u>Drilled 2449'.</u> |
| 3-3 to 3-5 | 5421 | 5598 | <u>Cored 177'.</u> Cut Core #1, 5421-5470.5, Core #2, 5472-5512, Core #3, 5512-5563.5, Core #4, 5564-5598. |
| 3-6 | 5598 | | Ran Induction - Electrical Survey, Gamma Ray-Neutron Log, Microlog and Sonic Log. |
| 3-7 | 5598 | 5618 | <u>Drilled 20'.</u> Ran and cemented (5606') 5-1/2", 14# casing at 5616' with 200 sacks cement. Located top of cement at 5603'. Released rig 2:00 P.M., 3-7-58. Checked BOP daily. |

Mud Summary

Wt. 9.4 - 10#/gal.
Vis. 36 - 58 sec.
WL 8 - 19 cc
FC 2/32
pH 11 - 12



| CONDITION AT BEGINNING OF PERIOD | | | | |
|----------------------------------|------|----|-------------|-----------|
| HOLE | | | CASING SIZE | DEPTH SET |
| SIZE | FROM | TO | | |
| | | | | |
| DRILL PIPE SIZES | | | | |

Contractor: Hewit & Gulick
Drillers: J. R. Mercer
G. C. Kennedy
W. J. Troutman

DRILLING REPORT

FOR PERIOD ENDING

March 12, 1958

Ratherford

(FIELD)

San Juan, Utah

(COUNTY)

13

(SECTION OR LEASE)

T41S, R23E

(TOWNSHIP OR RANCHO)

| DAY | DEPTHS | | REMARKS |
|------|--------------|------------|---|
| | FROM | TO | |
| 3-10 | 5618 5603 | TD PSTD | Moved in completion rig. Ran Gamma Ray-collar log. Perforated four jet 1/2" holes/ft. 5426-63, 5530-37, 5552-65, 5573-79, 5581-85. |
| 3-11 | | | Ran 2-7/8" tubing to 5595' with packer at 5492'. Washed entire interval (5426-5585) with 500 gal. mud acid (went on vacuum in 30 minutes). Set packer. Injected (lower zone - 5492-5585) 1000 gal. XFW acid and 1000 gal. Jel X-100 acid, overflushed with 24 bbls. oil, maximum pressure 1900 psi, final pressure - vacuum, average rate 4.5 bbl/min. Pulled side door choke. Injected (upper zone - 5426-5492) 2000 gal. XFW acid and 2000 gal. Jel-X-100, overflushed with 48 bbls. oil. Maximum pressure 1800 psi, final pressure 350, average rate, 4.8 bbl./min. (High injection rate indicative of communication.) |
| 3-12 | | | Opened well, flowed to pits. INITIAL PRODUCTION - Flowing, 2160 B/D gross, 2160 B/D clean, cut 0%, Gas 1125 MCF/D, GOR 520, 48/64" bean, TP 340, CP 0. Completed 3-12-58. |

CONDITION AT BEGINNING OF PERIOD

| HOLE | | | CASING SIZE | DEPTH SET |
|------------------|------|------|-------------|-----------|
| SIZE | FROM | TO | | |
| 12-1/4" | 0 | 1420 | 8-5/8" | 1419' |
| 7-7/8" | 1420 | 5618 | 5-1/2" | 5616' |
| DRILL PIPE SIZES | | | | |
| 4-1/2" | | | | |

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM _____ TO _____

CORES EXAMINED BY D. C. Conner

CORE RECORD

AREA OR FIELD North Desert Creek

COMPANY Shell Oil Company

LEASE AND WELL NO. #44-13

| NO. | FROM | TO | RECOVERED | FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE | SYMBOL | OBSERVED DIP | CORE INDICATIONS |
|-----|--------|---------|-----------|--|--------|--------------|------------------------------|
| | | | | | | | OIL-GAS |
| | | | | | | | CORE OR DITCI |
| 1 | 5421 | 5470.5 | 49.5 | <u>Limestone</u> , dense shaly, brecciated on top. | | | See Descript ⁿ |
| | 5421 | 5423 | 2 | <u>Limestone</u> , dolomitic, I/III VFA + BC ₈₋₁₂ , Trace D, stain odor bleed | | | |
| | 5423 | 5442 | 19 | <u>Limestone</u> , dense, styloitic. | | | |
| | 5442 | 5542.5 | .5 | <u>Limestone</u> , dolomitic, stain odor, BC porosity. | | | |
| | 5542.5 | 5544.5 | 3 | <u>Limestone</u> , dense Rare B porosity, styloitic, oil and gas. | | | |
| | 5445 | 55447.5 | 2 | <u>Limestone</u> , dolomitic, 2-3 BC porosity, stain odor. | | | |
| | 5447 | 55450 | 2.5 | <u>Limestone</u> , dolomitic, IVFA, occasional B porosity, oil and gas. | | | |
| | 5450 | 5452 | 2 | <u>Limestone</u> , dolomitic, II-III BC porosity, stain oil. | | | |
| | 5452 | 5458 | 6.5 | <u>Limestone</u> , IVFA, styloitic, shaly.. | | | |
| | 5458 | 55465.5 | 7 | <u>Limestone</u> , as above, bleed oil and gas. | | | |
| | 5465 | 55466.5 | 1 | <u>Limestone</u> , IVFA, dense. | | | |
| | 5466 | 55469.5 | 3 | <u>Dolomite</u> , limy, stain, odor. | | | |
| 2 | 5472 | 5512 | 40 | <u>Limestone</u> , shaly, tight, trace bleeding oil and gas. | | | |
| | 5472 | 5512 | 40 | <u>Limestone</u> , dolomitic, anhydrite inclusion, IVFA, with thin shaly streaks | | | |
| 3 | 5512 | 5563.5 | 51.5 | <u>Limestone</u> , very dolomitic to very limy, trace stain, CB/III VFA/III VFA. | | | |
| | 5512 | 5524 | 12 | <u>Limestone</u> , IVFA styloitic, dense. | | | |
| | 5524 | 5532 | 8 | | | | |
| | 5532 | 5541 | 9 | | | | |

SYMBOLS: C-CLAY OR SHALE (SAND 0-5%). 1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).
NOTE: SHOW FLUID CONTENT AS IN STANDARD LEGEND

SHELL OIL COMPANY

WEEK ENDING _____

CORE FROM _____ TO _____

CORES EXAMINED BY D. C. Conner

CORE RECORD

AREA OR FIELD North Desert Creek

COMPANY Shell Oil Company

LEASE AND WELL NO. #44-13

| NO. | FROM | TO | RECOVERED | FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE | SYMBOL | OBSERVED DIP | CORE INDICATIONS |
|-----|--------|--------|-----------|--|--------|--------------|------------------|
| | | | | | | | OIL-GAS |
| | | | | | | | CORE OR DTCI |
| | 5541 | 5548 | 7 | <u>Dolomite</u> , very limy, staining, II/III, VFA. | | | |
| | 5548 | 5563.5 | 15.5 | <u>Limestone</u> , I/III VFA + C-D ₄₋₈ , Bleeding oil and gas, stain, odor. | | | See description |
| | 5564 | 5598 | 34 | | | | |
| | 5564 | 5565 | 1 | Missing '. | | | |
| | 5565 | 5568 | 3 | <u>Limestone</u> , IVFA, brecciated, anhydritic, poker chip, in chip in chip 5567' - 5568'. | | | |
| | 5568 | 5572 | 4 | <u>Dolomite</u> , brown, II/III, VFA, stained with oil. | | | |
| | 5572 | 5576 | 4 | <u>Dolomite</u> , very limy, brown, brecciated, oil stained. | | | |
| | 5576 | 5579 | 3 | <u>Dolomite</u> , as above, dense, no stain. | | | |
| | 5579 | 5585 | 6 | <u>Limestone</u> , very dolomitic, brecciated, C+D ₃₋₄ , bleeding spotty oil and gas. | | | |
| | 5585 | 5589 | 4 | <u>Dolomite</u> , II, brown, oil stain. | | | |
| | 5589 | 5591 | 2 | <u>Transition Dolomite to Shale</u> . | | | |
| | 5591 | 5597.5 | 6.5 | <u>Shale</u> . | | | |
| | 5597.5 | 5598 | .5 | Missing. | | | |

orig 3 (copy to you)



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

July 20, 1964

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.

| <u>Old Well No.</u> | <u>New Well No.</u> | <u>Date Converted</u> | <u>Injection Rate</u> | <u>Injection Pressure</u> |
|---------------------|---------------------|-----------------------|-----------------------|---------------------------|
| 19-21 | 19W21 | 7-13-64 | 102 BWPD | 350# |
| 20-43 | 20W43 | 7-14-64 | 158 BWPD | 350# |
| <u>13-44</u> | 13W44 | 7-17-64 | 3120 BWPD | Vacuum |

Very truly yours,

PHILLIPS PETROLEUM COMPANY

C. M. Boles
Area Superintendent

bh

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(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.)

| | | |
|---|---|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection | | 5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-247 |
| 2. NAME OF OPERATOR Phillips Petroleum Company | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo |
| 3. ADDRESS OF OPERATOR P. O. Drawer 1150, Cortez, Colorado 81321 | | 7. UNIT AGREEMENT NAME SW I-4192 |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 653' N of South Line, 659' W of East Line Sec. 13 | | 8. FARM OR LEASE NAME Rutherford Unit |
| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4697' KB | 9. WELL NO. 1344 |
| | | 10. FIELD AND POOL, OR WILDCAT Greater Aneth |
| | | 11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 13-41S-23E, 318M |
| | | 12. COUNTY San Juan 13. STATE San Juan Utah |

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

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

(7-15-64 through 7-19-64):

Pulled rods and tubing, reran 2 1/2" tubing with Marelx Driscopipe liner and Model A packer, hooked up for water injection. Started injecting water 7-17-64. Changed well classification from producing oil well to Water Injection Well and changed well number from 13-44 to 1344 effective 7-17-64.

Previous Production: Greater Aneth Field - Paradox Formation, Desert Creek zone:
129 BOPD, 45 MOPGPD, 129 BWPD

Present Injection Rate: Injected 3120 BWPD in 24 hrs on vacuum - Greater Aneth Field, Paradox formation, Desert Creek zone.

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

SIGNED D. M. Boles TITLE Area Supt. DATE 9-16-64
C. H. Boles

(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 _____
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-30-603-247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

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**

7. UNIT AGREEMENT NAME

SW-1-4192

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

8. FARM OR LEASE NAME

Rutherford Unit

3. ADDRESS OF OPERATOR **Drawer 1150, Cortez, Colorado 81321**

9. WELL NO.

13W44

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

653' N of South Line; 659' East of East Line Sec. 13

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

13-418-23E BLM

14. PERMIT NO. _____ 15. ELEVATIONS (Show whether DF, RT, GR, etc.) **4697 KB**

12. COUNTY **SAN JUAN** 18. STATE **UTAH**

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) _____

(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 as follows:

**2500 gallons 15% acid with 2 gallons W-35/1000 gallons
3900 gallons water
1000 gallons salt plug with 3.4% salt/gallon
2500 gallons 15% regular acid with 2 gal W-35/1000 gallons
4900 gallons water.
Total acid - 5000 gallons 15%. Total flush - 200 bbls.
Return well to injection.**

Present Injection Rate: 515 BWPD at 520%.

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

SIGNED **C. M. Boles** _____ TITLE _____

Dist. Supt.

DATE **3-7-67**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

**TED 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.

14-20-603-247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

1344

10. FIELD AND POOL, OR WILDCAT

Greater North

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

13-41E-25E BLM

12. COUNTY OR PARISH 13. STATE

San Juan 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

Drawer 1150, Cortez, Colorado 81321

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

653' N of South Line; 659' West of East Line
Sec. 13

14. PERMIT NO.

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

4697 K.B.

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 March 10, 1967 acidized Desert Creek perforations 5426-5485' GA with 5000 gallons 15% regular acid in two equal stages separated by 1000 gallons salt plug. Resumed injection.

Previous Injection Rate: 515 BWPD at 520#.

Present Injection: 3039 BWPD at 340#.

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

SIGNED

C. N. Boles

TITLE

District Superintendent

DATE

4-21-67

(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**

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Water Injection Well

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P.O. Box 2920 Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 653' FSL, 659' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

5. LEASE
14-20-603-247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Ratherford Unit

9. WELL NO.
13W44

10. FIELD OR WILDCAT NAME
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13-T41S-R23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-16407

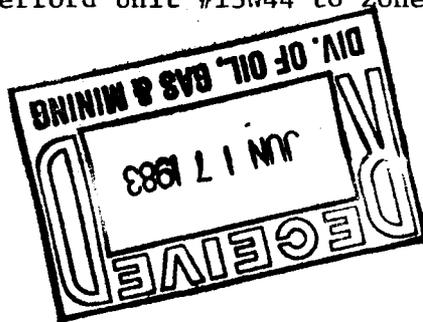
15. ELEVATIONS (SHOW DF, KDB, AND WD)
RKB=4697

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

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

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

Repair casing leaks, squeeze Zone II (5530'-85' O.A.), and acidize Zone I (5426'-63' O.A.) with 5,000 gals 28% HCL. Return Ratherford Unit #13W44 to Zone I water injection.



APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING
DATE: June 13, 1983
BY: [Signature]

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

SIGNED A. E. Stuart TITLE Area Manager DATE June 13, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

- CONDITIONS OF APPROVAL, IF ANY:
- 3- Minerals Management Farmington, NM
 - ✓ 2- Utah O&G CC, Salt Lake City, Utah
 - 1- Superior Oil, The Woodlands, Texas
 - 1- T. M. Isaacs
 - 1- File

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Water Injection Well

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P. O. Box 2920, Casper, Wyoming 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 653' FSL, 659' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*

(other) Repair Casing Leaks

SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-
-
-

DIVISION OF

Oil and Gas Engineering

JUN 22 1983

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

| |
|---|
| 5. LEASE 14-20-603-247 |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo |
| 7. UNIT AGREEMENT NAME SW-I-4192 |
| 8. FARM OR LEASE NAME Ratherford |
| 9. WELL NO. 13W44 |
| 10. FIELD OR WILDCAT NAME Greater Aneth |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13-T41S-R23E |
| 12. COUNTY OR PARISH San Juan |
| 13. STATE Utah |
| 14. API NO. 43-037-16407 |
| 15. ELEVATIONS (SHOW DEPTH, KDB, AND WD) RKB-4697 |

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.)*

Revise previously submitted Sundry Notice (6-13-83).

It is proposed to repair casing leaks on Ratherford Unit #13W44. Squeezing Zone II and acidizing Zone I will be deferred until further notice.

Subsurface Safety Valve: Manu. and Type _____ Ft.

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

SIGNED A. E. Stuart TITLE Area Manager DATE June 20, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

- 3 - MMS - Farmington, NM
- 2 - Utah O&GCC, Salt Lake City, Utah
- 1 - Superior Oil, The Woodlands, TX
- 1 - T. M. Isaacs
- 1 - File

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Water Injection Well

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P.O. Box 2920, Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 653' FSL & 659' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
14-20-603-247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Ratherford Unit

9. WELL NO.
13W44

10. FIELD OR WILDCAT NAME
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13-T41S-R23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
43-037-16407

15. ELEVATIONS (SHOW DF, KDB, AND WD)
RKB 4697'

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

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

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

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

Repaired csg leak in 5-1/2" csg from 76' to 93' w/400 sx Class B cmt & 66 sx Class B Thixotropic cmt. Circ cmt out 8-5/8" csg valve & to surface outside conductor pipe. Set 5-1/2" Baker Model M-1 Drillable BP at 5370' new PBD. Fill 5-1/2" csg w/inhibited salt wtr. Temporarily shut-in pending recompletion.

See Attached for Details.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED A. E. Stuart TITLE Area Manager DATE 7/21/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

- 2 - MMS, Farmington, NM
- 2 - Utah O&GCC, SLC, Utah
- 1 - Superior Oil
- 1 - T.M. Isaacs
- 1 - File

*See Instructions on Reverse Side

FINAL REPORT INDIVIDUAL WELL STATUS

Lease RATHERFORD UNIT Well No. 13W44 Authorization No. P-UC71

Summary of Work Performed: June 21, 1983 thru July 5, 1983
 Repaired csg leak in 5-1/2" csg from 76' to 93' w/400 sx Class B cmt & 66 sx Class B Thixotropic cmt. Circ cmt out 8-5/8" csg valve & to surface outside conductor pipe. Set 5-1/2" Baker Model M-1 Drillable BP at 5370' new PBDT. Fill 5-1/2" csg w/inhibited salt wtr.

AVERAGE DAILY PRODUCTION

| | Field and Formation | Oil | Gas | Water |
|-------------|--|-------------------------------|-----|---------------|
| Before Work | Greater Aneth, Desert Creek Zone I & II | | | Injecting 400 |
| After Work | Greater Aneth, Desert Creek Zone I & II | Temp SI pending recompletion. | | |
| Before Work | | | | |
| After Work | | | | |

DATE 1983 P.T.D.

DAILY REPORT OF WORK PERFORMED

June 21

#13W44 06/21/83 AFE: UC71
 PBDT 5603. INITIAL REPORT. MI & RU BIG A RIG #7 WS UNIT
 6/20/83. HELD SAFETY MEETING. TP 15 PSI, 5-1/2" CP
 15 PSI, 8-5/8" CP 0 PSI. RELEASE PKR. START STRAP
 COH, 36 JTS 2-7/8" TBG LD IN
 SINGLES. PKR DRAGGING BAD
 (1 JT TBG W/HOLE). SDON. PREP TO FIN COOH W/PKR.
 AFE P-UC71 ISSUED TO REPAIR CSG LEAKS
 LOCATION - 653' FSL & 659' FEL, SEC. 13-
 T41S-R23E, GREATER ANETH FIELD, SAN JUAN CO., UTAH.
 RKB ELEV 4697'. SUB AREA CODE 26. API #43-037-16407
 DATE LAST PRODUCED - SHUT-IN 5/27/83 WITH SURFACE
 CSG LEAKS. BEFORE SHUT-IN - INJECTING 400 BHPD AT
 500 PSI..

22

#13W44 06/22/83 AFE: UC71
 PBDT 5603. FIN COOH W/TBG & PKR. WIH W/5-1/2" BAKER MODEL C
 RETRIEVABLE BP, MODEL C FULL BORE CEMENTER & MODEL
 N TBG TESTER ON 2-7/8" TBG WORKSTRING. SET BP AT
 1988' RKB. TSTD TBG TO 2000 PSI. SURFACE LEAKS, NO
 TES. SDON. PREP TO LOCATE CSG LEAK.

23

#13W44 06/23/83 AFE: UC71
 PBDT 39. HELD SAFETY MEETING. NU & TSTD BOP, OK. TSTD ABOVE
 BLIND RAMS TO 3000 PSI, OK. PKR SET AT 1982'. TSTD
 BP TO 2000 PSI, OK. LOCATE 5-1/2" CSG LEAK FROM 76'
 TO 93'. PUMP IN TEST 3/4 BPM AT 1000 PSI. CIRC TO
 SURFACE OUTSIDE CONDUCTOR PIPE AND OUT 8-5/8"
 BRADENHEAD. DUMP 2 SX SAND ON BP. HOWCO MIXED &
 PUMPED 400 SX CLASS B CMT W/2% CaCl2 THROUGH 2-7/8"
 TBG OPEN-ENDED. GOOD RETURNS AT SURFACE OUTSIDE
 CONDUCTOR PIPE AND OUT 8-5/8" BRADENHEAD. SD PUMPS.
 REVERSE 25 SX CMT. MAX RATE 2 BPM AT 1300 PSI.
 FINAL 1300 PSI. ISIP 200 PSI, 5 MIN 100 PSI, 10 MIN
 10 PSI, 15 MIN 100 PSI. RELEASE PRESSURE, NO FLOW
 BACK. RELEASE HOWCO. COOH. CLOSE BLIND RAMS. SDON.
 EST TOC 39' RKB. PREP TO DRILL CMT FROM 39-93',
 54'..

7-21-83
Date Prepared

Original S-
A. E. STUART
District Approval

DAILY REPORT DETAILED

LEASE RATHERFORD UNIT

WELL NO. 13W44

SHEET NO. 2

DATE TOTAL DEPTH NATURE OF WORK PERFORMED

1983

June
24

#13W44 06/24/83 AFE: UC71
~~PBTD 51. HELD SAFETY MEETING. RU REVERSE CIRC EQUIP AND POWER SWIVEL. W/ W/4-3/4" BIT AND 5-1/2" CSG SCRAPER. TAG TOC 41' RKB. DRLD 10' TO 51', VERY SOFT CMT. SDON. WOC. PREP TO DRILL CMT TO 93'..~~

25-27

#13W44 06/27/83 AFE: UC71
~~PBTD 5603. 6/25/83 - TP & CP 0 PSI. HELD SAFETY MEETING. W/ W/4-3/4" BIT, 5-1/2" CSG SCRAPER & 2-7/8" TBG. DRLD MED TO MED HARD CMT PLUG FROM 51' TO 117' RKB. TSTD 5-1/2" CSG TO 1000 PSI. CIRC THROUGH 8-5/8" .2 BPM. COOH W/BIT & SCRAPER. W/ W/2 JTS 2-7/8" TBG OPEN-ENDED. SDON. PREP TO OPEN 5-1/2" LEAK W/ ACID, RE-CMT LEAK IN 5-1/2" CSG. 6/26/83 & 6/27/83 SD SATURDAY & SUNDAY..~~

28

06/28/83 AFE: UC71
~~PBTD 62' RKB. HELD SAFETY MEETING. RU HOWCO. OPENED 5-1/2" CSG LEAK W/3/4" BBL 28% HCL THROUGH 2 JTS 2-7/8" TBG OPEN END. PUMP IN RATE 2 BPM AT 1000 PSI. HOWCO MIX & PUMP 66 SX CLASS B THIXOTROPIC CMT W/2% CACL2 & 10#/SX CLACIUM, 15.6 PPG. CIRC 5 SX OUT 8-5/8" BRADENHEAD. MAX 5 PSI. REVERSE 8 SX. SD PUMP. ISIP 0 PSI. COOH W/2-7/8" TBG. SDON. EST TOC 62'. EST 50 SX CMT BEHIND 5-1/2" CSG. PREP TO DRILL OUT CMT PLUG. TEST 5-1/2" CSG..~~

29

#13W44 06/29/83 AFE: UC71
~~PBTD 5603. W/ W/4-3/4" BIT & 5-1/2" CSG SCRAPER ON 2-7/8" TBG. TAG TOC 71' RKB. DRLD HARD CMT 71-102', 31'. TESTED 5-1/2" CSG, 1000 PSI, LEAK OFF TO 990 PSI IN 15 MIN. MEDIUM DRIP AT 8-5/8" BRADENHEAD VALVE. RELEASE PRESSURE, DRIPPING STOPS. COOH W/BIT & SCRAPER. STRAP IN HOLE W/BP RETRIEVING TOOLS, 2-7/8" TBG. REL BP AT 1988'. W/ TO 3749'. SDON. PREP TO SET BP 5400', TEST 5-1/2" CSG TO SURFACE..~~

30

#13W44 06/30/83 AFE: UC71
~~PBTD 5370. TP - 0 PSI, CP - 0 PSI. FIN GIH. SET BP AT 5365'. FILL HOLE W/38 BBL SALT WTR. TESTED 5-1/2" CSG AT 1000 PSI, 1-1/4 HR. LOST 50 PSI. SLOW DRIP ON 8-5/8" INCH BRADENHEAD VALVE. REL PRESSURE, REL BP. COOH. W/ W/5-1/2" BAKER MODEL M-1 DRILLABLE BP ON 2-7/8" TBG. SET BP AT 5370'. TESTED BP AT 1000 PSI, OK. CIRC, TREATED SALT WTR IN 5-1/2" CSG. SDON. PREP TO COOH W/2-7/8" TBG..~~

July
1

#13W44 07/01/83 AFE: UC71
~~PBTD 5370. TP - 0 PSI, CP - 0 PSI. COOH. LD 2-7/8" TBG WORKSTRING. FILL HOLE W/TREATED SALT WTR. MOVE OFF LOCATION. FINAL REPORT SUMMARY TUESDAY..~~

#13W44 07/05/83 AFE: UC71
~~OLD PBTD 5603, NEW PBTD 5370. FINAL REPORT SUMMARY. REPAIRED CSG LEAK IN 5-1/2" CSG FROM 76' TO 93' W/400 SX CLASS B CMT & 66 SX CLASS B THIXOTROPIC CMT. CIRC CMT OUT 8-5/8" CSG VALVE & TO SURFACE OUTSIDE CONDUCTOR PIPE. SET 5-1/2" BAKER MODEL M-1 DRILLABLE BP AT 5370' NEW PBTD. FILL 5-1/2" CSG W/ INHIBITED SALT WTR. TEMPORARILY SHUT-IN INJECTION WELL, FROM ZONE I & II PERFS 5426-5585', PENDING RECOMPLETION. AFE P-UC71. LOC - SE SE, SEC. 13-T415 R2SE, GREATER ANETH FIELD, SAN JUAN CO., UTAH. SUB AREA CODE 26 API #43-037-16407. FINAL REPORT..~~

(3)
2-5

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 X CORPORATION
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE 13W44 WELL
 SEC. 13 TWP. 41S RANGE 23E
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 Ratherford Unit | Well No. 13W44 | Field Greater Aneth | County San Juan |
| Location of Enhanced Recovery Injection or Disposal Well <u>13W44</u> Sec. <u>13</u> Twp. <u>41S</u> Rge. <u>23E</u> | | | |
| New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>5-83</u> | |
| Depth-Base Lowest Known Fresh Water Within 1/2 Mile Wingate 1550' | Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | State What Oil & Gas | |
| Location of Injection Source(s) Desert Creek Paradox I & II San Juan River | Geologic Name(s) and Depth of Source(s) Desert Creek (5567') San Juan River (Surface) | | |
| Geologic Name of Injection Zone Desert Creek I | Depth of Injection Interval <u>5426</u> to <u>5585</u> | | |
| a. Top of the Perforated Interval: <u>5426</u> | b. Base of Fresh Water: <u>1550'</u> | c. Intervening Thickness (a minus b) <u>3876</u> | |
| Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> See Attachment #4 | | | |
| Lithology of Intervening Zones See Attachment #1 | | | |
| Injection Rates and Pressures SD 12-1-82 Maximum _____ B/D PSI | | | |
| The Names and Addresses of Those to Whom Notice of Application Should be Sent. | | | |
| Navajo Tribe, Minerals Dept., P.O. Box 146, Window Rock, AZ 86515 | | | |
| Superior Oil, P.O. Box 4530, The Woodlands, TX 77380 | | | |
| Texaco Inc., P.O. Box 2100, Denver, CO 80201 | | | |
| Southland Royalty, 1000 Fort Worth Club Tower, Fort Worth, TX 76102 | | | |

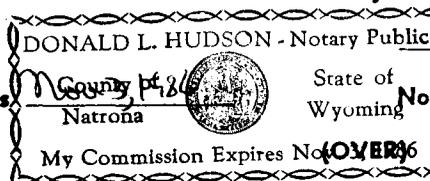
State of Wyoming) PHILLIPS PETROLEUM COMPANY
 County of Natrona) Applicant

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 21st day of Sept, 19 83

SEAL

My commission expires



Donald L. Hudson
 Notary Public in and for Natrona Co., Wyoming

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 leasehole 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 | 16 | 40 | 50 | Surface | Returns |
| Intermediate | 8 5/8 | 1419 | 700 | Surface | Returns |
| Production | 5 1/2 | 5616 | 200 | 5003 | CALCULATED |
| Tubing | 2 7/8 | 5389.32 | Name - Type - Depth of Tubing Packer Baker Model A PKR 5389.32 | | |
| Total Depth PB 5603 | Geologic Name - Inj. Zone Desert Creek I, II | | Depth - Top of Inj. Interval 5426 | | Depth - Base of Inj. Interval 5589 |

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

14-20-603-247

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

API NO. 43-037-16407
640 Acres
N

LEASE NO. _____

COUNTY San Juan SEC. 13 TWP. 41S RGE. 23E

COMPANY OPERATING Phillips Petroleum Company

OFFICE ADDRESS P.O. Box 2920

TOWN Casper STATE ZIP Wyoming 82602

FARM NAME --- WELL NO. 13W44

DRILLING STARTED 2.9.1958 DRILLING FINISHED 3.8.1958

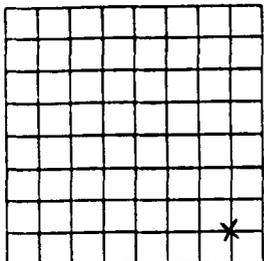
DATE OF FIRST PRODUCTION 3.12.58 COMPLETED 3.11.58

WELL LOCATED SE 1/4 SE 1/4

653 FT. FROM SL OF 1/4 SEC. & 659 FT. FROM ET OF 1/4 SEC.

ELEVATION BERRICK FLOOR 4697 GROUND 468.6

RKB



Locate Well Correctly
and Outline Lease

TYPE COMPLETION

Single Zone _____
Multiple Zone X
Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

| Name | From | To | Name | From | To |
|-----------------|------|------|------|------|----|
| Desert Creek I | 5426 | --- | | | |
| Desert Creek II | --- | 5585 | | | |

CASING & CEMENT

| Casing Set | | | | Csg. Test | Cement | | |
|------------|------|-------|------|-----------|--------|------------|-------------|
| Size | Wgt. | Grade | Feet | Psi | Sax | Fillup | Top |
| 16 | | H-40 | 41 | No test | 50 | | Surface |
| 8 5/8 | 28 | J-55 | 1406 | 700 | 700 | | Surface |
| 5 1/2 | 14 | J-55 | 5606 | No Test | 200 | <u>602</u> | <u>5003</u> |

PBID 5603 TOTAL DEPTH 5618

PACKERS SET
DEPTH Baker Model A Tension PKR at 5389.32

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

| FORMATION | Desert Creek I+II | |
|---|-------------------|---------------|
| SPACING & SPACING ORDER NO. | 40 acre | Cause #C-3(B) |
| CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE) | Enhanced Recovery | |
| PERFORATED | 5426-63 | 5581-89 |
| INTERVALS | 5532-37 | |
| | 5552-65 | |
| | 5573-79 | |
| ACIDIZED? | 3.10.67 | 5000 gal. |
| | 15% reg. acid | |
| FRACTURE TREATED? | No | |

Convert to injector 7.17.64

Converted to Injector

INITIAL TEST DATA

| | | | |
|----------------------------|---------|----|----|
| Date | 7.17.64 | | |
| Oil, bbl./day | -- | | |
| Oil Gravity | -- | | |
| Gas, Cu. Ft./day | -- | CF | CF |
| Gas-Oil Ratio Cu. Ft./Bbl. | -- | | |
| Water-Bbl./day | 3120 | | |
| Pumping or Flowing | flowing | | |
| CHOKE SIZE | 32/64 | | |
| FLOW TUBING PRESSURE | Vacuum | | |

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

SEP 22 1983
Casper

WELL: 13W44
LOCATION: SESE Sec. 13-T41S-R23E
FIELD: GREATER ANGE H
RESERVOIR: Desert Creek I

DATE OF COMPLETION: 7.17.64
PRESENT STATUS: S.I.

RKB 4697'
GL 4685.6'



SURFACE CASING: 16" H-40

INTERMEDIATE CASING: 8 5/8" 28# J-55

PRODUCTION CASING: 5 1/2" 14# J-55

1419'

- PERFORATIONS:
- 5426-63
 - 5532-37
 - 5552-65
 - 5573-79
 - 5581-89

PACKER: Baker model "A"
Pkr @ 5389
Tubing: 2 7/8" @ 5389

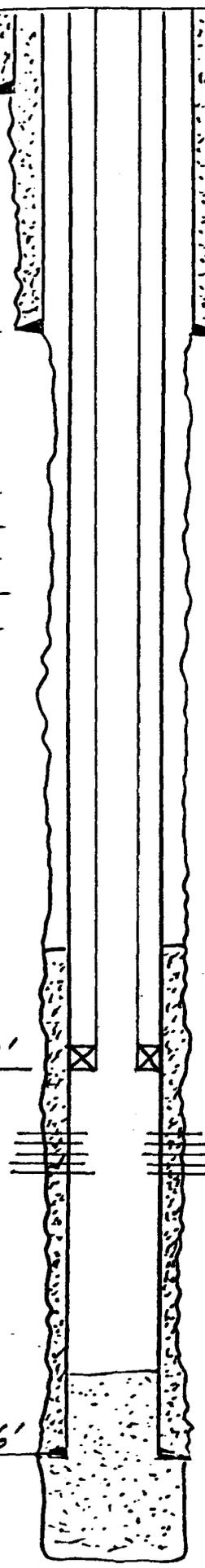
5389'

5426' - 5589'

PBTD: 5603'
OTD: 5618'

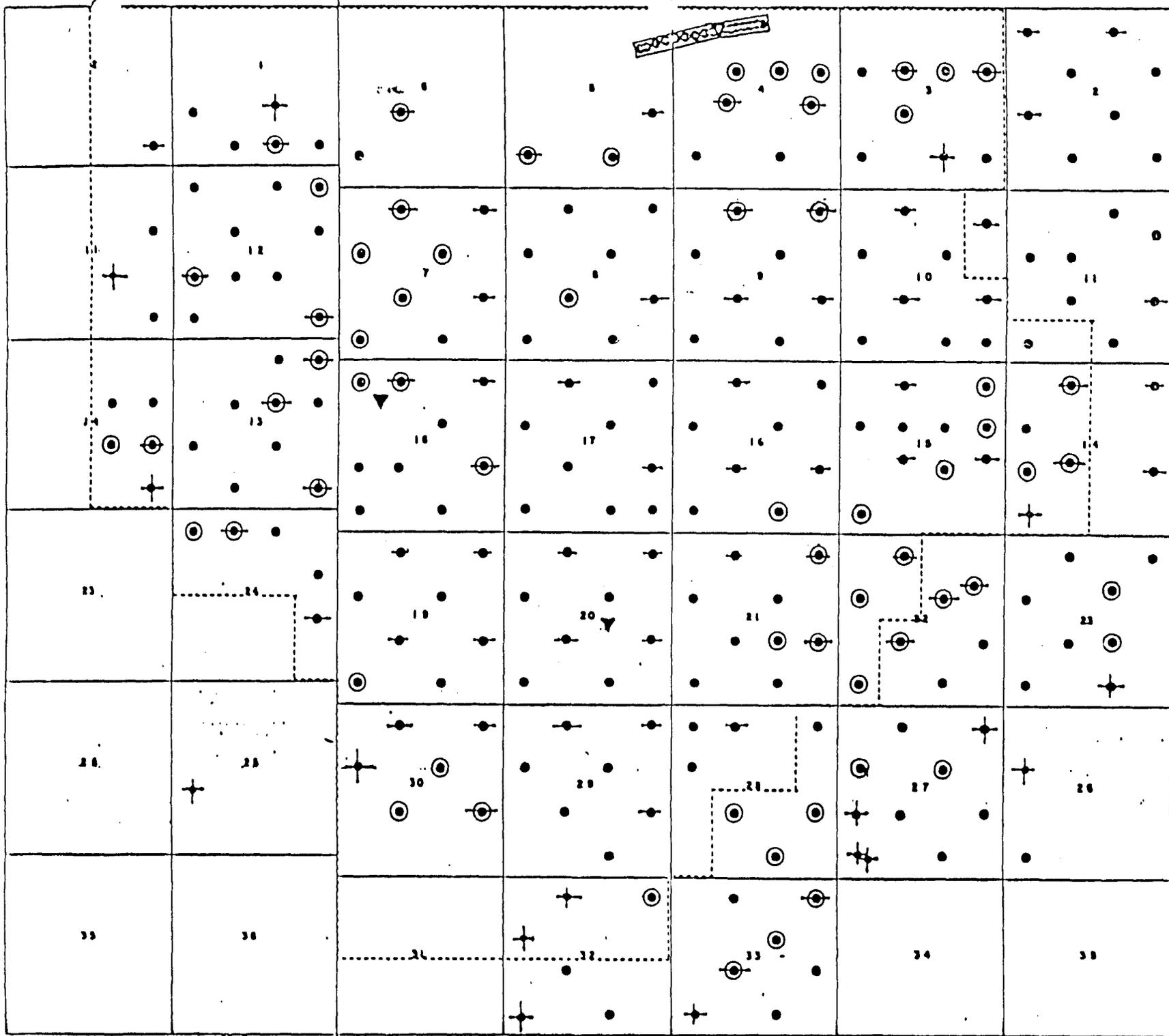
5616'

Phillips Petroleum Company



R-23-E

R-24-E



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

WTE INJECTION WELL

CL1-12A (REV. 1964)

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

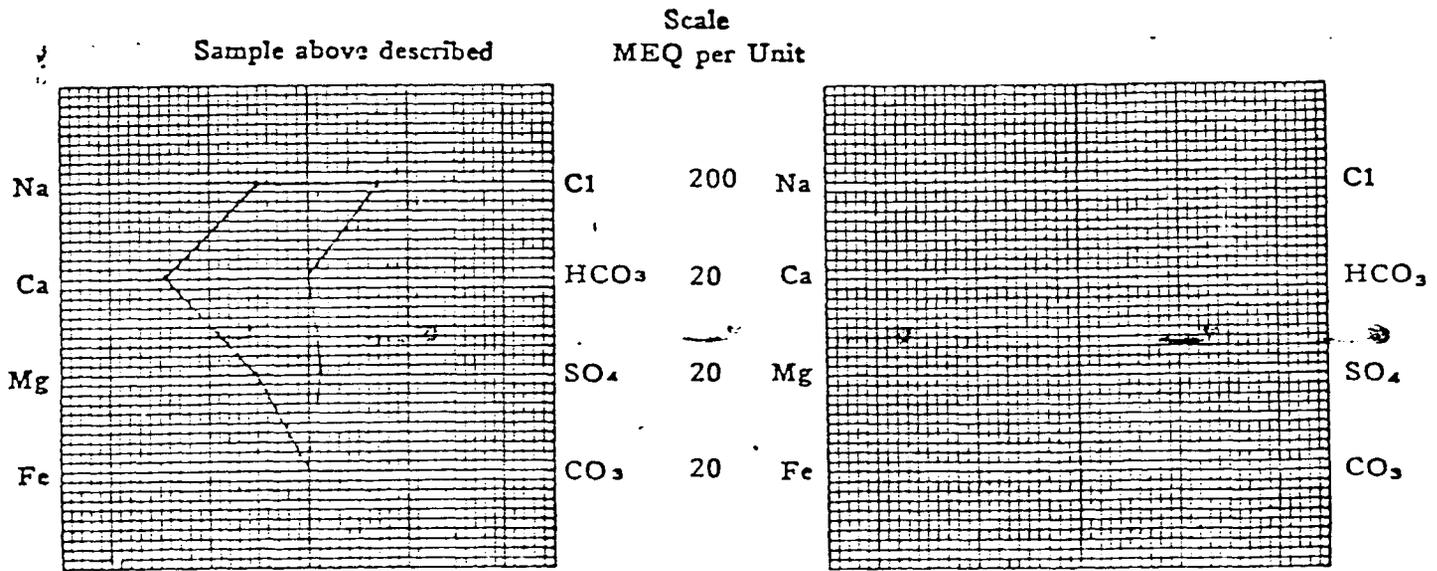
OPERATOR Phillips Petroleum Co. DATE 5-27-83 LAB NO. W30480
 WELL NO. Rutherford Unit LOCATION _____
 FIELD _____ FORMATION _____
 COUNTY San Juan INTERVAL _____
 STATE Utah SAMPLE FROM _____

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 Dunlap & Hawthorne calculation from components

CL1-12A (REV. 1964).

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

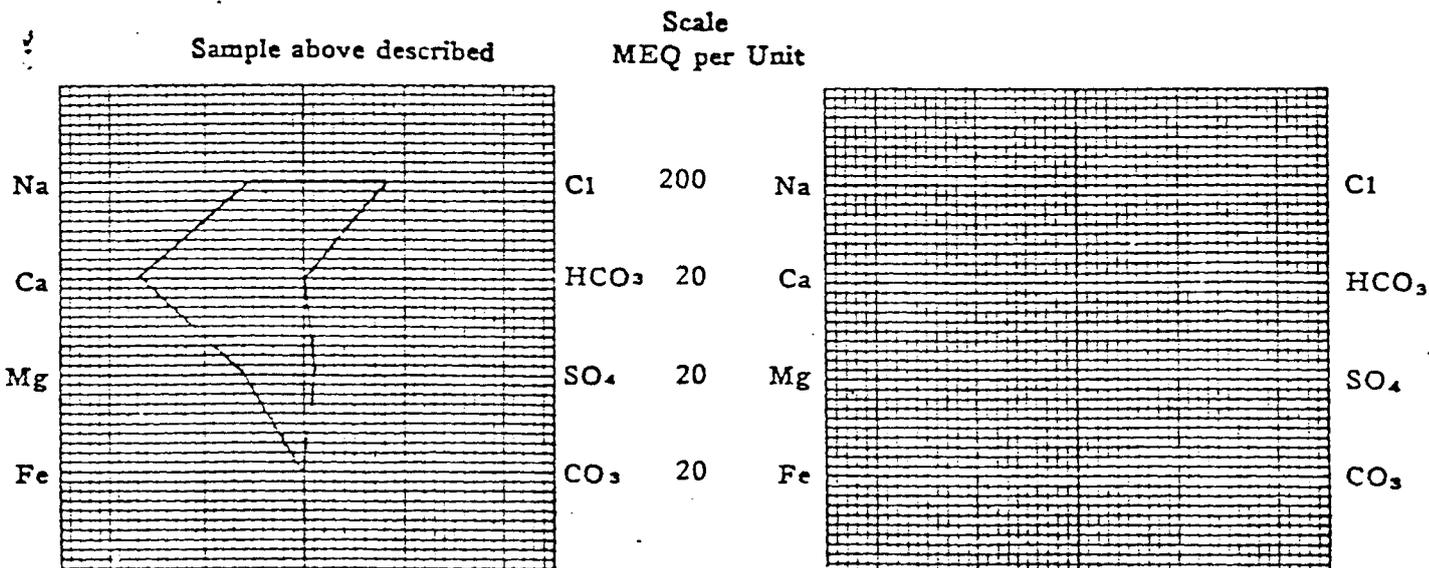
OPERATOR Phillips Petroleum Company DATE 7-22-83 LAB NO. W30636
 WELL NO. Ratherford Unit LOCATION _____
 FIELD _____ FORMATION _____
 COUNTY San Juan INTERVAL _____
 STATE Utah SAMPLE FROM Battery #1 Free water knockout
(7-5-83) @ 10:35
S/N 28568

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 | -- | -- |
| Total Cations 1807.78 | | | Total Anions 1807.78 | | |

| | | | |
|------------------------------|--------|------------------------------|------------------|
| 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

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips Well No. Rutherford Unit 13W44
 County: San Juan T 41S R 23E Sec. 13 API# 43-037-16407
 New Well Conversion Disposal Well Enhanced Recovery Well

| | <u>YES</u> | <u>NO</u> |
|---|-------------------------------------|--------------------------|
| UIC Forms Completed | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Plat including Surface Owners, Leaseholders, and wells of available records | <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 No TDS 85655

Analysis of Water in Formation to be injected into Yes No TDS 103632

Known USDW in area Wingate Depth 1550

Number of wells in area of review 7 Prod. 7 P&A 0
 Water 0 Inj. 0

Aquifer Exemption Yes NA

Mechanical Integrity Test Yes No

Date _____ Type _____

Comments: TOC 5003

Reviewed by: 

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other Inscr. 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.)

6. LEASE OPERATOR AND SERIAL NO.
14-20-603-247

7. UNIT OR TRACT NAME
Navajo

8. WELL NO.
SW-I-4192

9. FIELD OR LEASE NAME
Ratherford Unit

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

11. SEC., T., R., N., OR S.E., AND
SUBST. OR AREA
Sec. 13-T41S-R23E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

1. OIL WELL GAS WELL OTHER Water Injection Well

2. NAME OF OPERATOR
Phillips Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 2920, Casper, WY 82602

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

653' FSL, 659' FEL SESE

14. PERMIT NO.
43-037-16407

15. ELEVATIONS (Show whether SP, ST, OR, etc.)
4697' RKB

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"/> | PLUG 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) <input type="checkbox"/> | |

(Other) Plug back to Zone I

(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.)

It is proposed to convert Ratherford Unit #13W44 from Zone 1 & 2 to Zone 1 water injection. After plugging back to Zone 1, the well will be acidized with 6000 gallons of 28% HCL and returned to injection.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 6/12/85
BY: [Signature]

A 10' x 8' x 6' fenced pit will be constructed on location in a previously disturbed area. Upon completion of the workover, the pit will be dried and recovered.

- 5-~~BLM~~, Farmington, NM
- 2-Utah O&G CC, Salt Lake City, Utah
- 1-P. J. Adamson
- 1-B. Conner, 318B-TRW
- 1-J. R. Weichbrodt
- 1-C. M. Anderson
- 1-File RC

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

SIGNED [Signature] TITLE Area Manager DATE June 3, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

OPERATOR: Phillips Petroleum Company

FIELD: Greater Aneth LEASE: Rutherford Unit

WELL # 13 W 44 SEC. 13 TOWNSHIP 41S RANGE 23E

STATE (FED.) FEE DEPTH 5603 TYPE WELL INJ W MAX. INJ. PRESS. _____

SD 12/1/82

TEST DATE 6/17/84

| CASING STRING | SIZE | SET AT | CMT | PRESSURE READINGS | REMARKS | FUTURE |
|---------------------|--------------------------------------|-----------------|------------|-------------------|--------------------------------------|--------|
| <u>SURFACE</u> | <u>16"</u> | <u>40'</u> | <u>50</u> | | <u>SI</u> <u>Recent work over</u> | |
| <u>INTERMEDIATE</u> | <u>8 5/8"</u> | <u>1419'</u> | <u>700</u> | | | |
| <u>PRODUCTION</u> | <u>5 1/2"</u> | <u>5616'</u> | <u>200</u> | | | |
| <u>TUBING</u> | <u>2 7/8"</u> | <u>5389.32'</u> | | | | |
| | <u>Baker Model A pkr at 5389.32'</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> | | | | | | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(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.)

| | | |
|---|--|--|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injector | | 3. LEASE DESIGNATION AND SERIAL NO. 14-20-603-247 |
| 2. NAME OF OPERATOR Phillips Petroleum Company | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo |
| 3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, Wyoming 82602 | | 7. UNIT ASSIGNMENT NAME SW-I-4192 |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any field position map. See also space 17 below.) At surface 653' FSL & 659' FEL, SE SE API #43-037-16407 | | 8. FARM OR LEASE NAME Ratherford Unit |
| 14. PERMIT NO. | | 9. WELL NO. 13W44 |
| 15. ELEVATIONS (Show whether DF, ST, GR, etc.) RKB 4697' | | 10. FIELD AND POOL, OR WILDCAT Greater Aneth |
| | | 11. SEC. T. R. M., OR BLM, AND SURVEY OR AREA Sec. 13-T41S-R23E |
| | | 12. COUNTY OR PARISH San Juan |
| | | 13. STATE Utah |

RECEIVED
AUG 18 1986

DIVISION OF
OIL, GAS & MINING

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

PLUG OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANE

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) Plugback to Zone I & Acidize

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.)
May 9, 1986 through June 1, 1986

Old PBSD 5603, New PBSD 5510. MI WS 5/9/86. Cleaned out to 5559'. Tested for Zone I & II communication, Zone I & II communicated. Set pkr at 5379'. Pmpd 250 sx Class B Cmt. WOC. Found csg leak at 4296-4327'. Set cmt retainer at 4228'. Pmpd 200 sx Class B Cmt. WOC. Drld out to 5510'. Test Zone II squeeze, did not hold. Drld out to 5538'. Spotted acid. Set retainer at 5414'. Pmpd 200 sx Class B Cmt. WOC. Drld out to 5510', New PBSD. Test Zone II squeeze, held OK. Perforated 5426-5463', 2 SPF. Acidized Zone I Perfs 5426-5463' w/3465 gal 28% HCL w/additives. Pmpd 1000 gal of diverter. Pmpd 1995 gal 28% HCL. Displaced to perfs w/formation wtr. Additives as follows: 2 gal/1000 HAI-60 inhibitor, 3 gal/1000 Losurf-259 non-emulsifier, 1 gal/1000 HC-2 fines suspender & 14#/1000 FE-2 iron sequestering agent. Diverter Mixture as follows: 1000 gal salt saturated formation wtr, 30#/1000 WG-6 gelling agent and 2000# rock salt (1/2 coarse & 1/2 medium). Ran injection pkr & Rice Duoline Tbg. RD WS 5/30/86 and Returned to Injection 6/1/86 from Zone I Perfs 5426-5463' OA.

Injection Before (Zones I & II) - Shut-in 5/27/83
Injection After (Zone I) - 81 BWPD at 2300 psi

4-BLM, Farmington, NM 1-Chieftain
2-Utah O&G CC, SLC, UT 1-Mobil Oil
1-M. Williams, B'Ville 1-Texaco, Inc.
1-J. Landrum, Denver 1-Chevron USA
1-J. Reno, Cortez 1-File RC

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

SIGNED D. C. Gill TITLE Area Manager DATE August 15, 1986

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instruction 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 & WATER SUPPLY WELLS</p> | | <p>5. LEASE DESIGNATION AND SERIAL NO. 6. IF INDIAN, ALLOTTEE OR TRIBE NAME SW-I-4192</p> | | | | | | | | | | | | | | | | | | | | |
| <p>2. NAME OF OPERATOR PHILLIPS PETROLEUM COMPANY</p> | | <p>7. UNIT AGREEMENT NAME RATHERFORD UNIT #7960041920</p> | | | | | | | | | | | | | | | | | | | | |
| <p>3. ADDRESS OF OPERATOR 152 N. DURBIN, 2ND FLOOR, CASPER, WYOMING 82601</p> | | <p>8. FARM OR LEASE NAME</p> | | | | | | | | | | | | | | | | | | | | |
| <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>SEE ATTACHED</u></p> | | <p>9. WELL NO. VARIOUS (see attached)</p> | | | | | | | | | | | | | | | | | | | | |
| <p>14. PERMIT NO.</p> | | <p>10. FIELD AND POOL, OR WILDCAT GREATER ANETH</p> | | | | | | | | | | | | | | | | | | | | |
| <p>15. ELEVATIONS (Show whether DF, ST, OR, etc.) OIL, GAS & MINING</p> | | <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sections 1 thru 30 T41S - R23E & 24E</p> | | | | | | | | | | | | | | | | | | | | |
| <p>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <p align="center">NOTICE OF INTENTION TO:</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width:50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANE <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table> </td> <td style="width:50%; vertical-align: top;"> <p align="center">SUBSEQUENT REPORT OF:</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width:50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>(Other) CHANGE OF OWNERSHIP <input checked="" type="checkbox"/></td> <td></td> </tr> </table> <p align="center"><small>(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small></p> </td> </tr> </table> | | <p align="center">NOTICE OF INTENTION TO:</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width:50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANE <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table> | 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 PLANE <input type="checkbox"/> | (Other) <input type="checkbox"/> | | <p align="center">SUBSEQUENT REPORT OF:</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width:50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>(Other) CHANGE OF OWNERSHIP <input checked="" type="checkbox"/></td> <td></td> </tr> </table> <p align="center"><small>(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small></p> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> | (Other) CHANGE OF OWNERSHIP <input checked="" type="checkbox"/> | | <p>12. COUNTY OR PARISH 13. STATE San Juan Utah</p> |
| <p align="center">NOTICE OF INTENTION TO:</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width:50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANE <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table> | 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 PLANE <input type="checkbox"/> | (Other) <input type="checkbox"/> | | <p align="center">SUBSEQUENT REPORT OF:</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width:50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>(Other) CHANGE OF OWNERSHIP <input checked="" type="checkbox"/></td> <td></td> </tr> </table> <p align="center"><small>(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small></p> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> | (Other) CHANGE OF OWNERSHIP <input checked="" type="checkbox"/> | | | | |
| 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 PLANE <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | |
| (Other) <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |
| WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | |
| FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | |
| (Other) CHANGE OF OWNERSHIP <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | |

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

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DOWNHOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 13W44

LOCATION SE SE sec. 13
T415-R23E

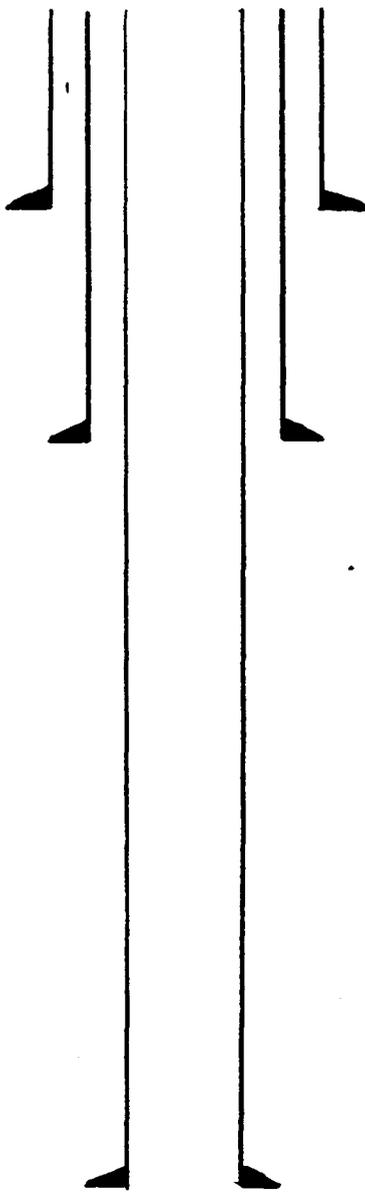
RKB Elev. 4697'

Well Drld 3/7/58

GL Elev. 4686'

Well converted
to injector 7/17/64

RKB Above GL' 11'



CONDUCTOR CSG. @ '

SURFACE CSG. 8 5/8 @ 1419'

TOC 4890' case

Tubing 2 7/8 @ 5,390' Duoline HT2

PACKER OTIS INTER-LOK PKR
@ 5390'

| | | | |
|-------|------------------|--------------|--------------|
| PERFS | <u>5426 - 63</u> | <u>_____</u> | <u>_____</u> |
| | <u>_____</u> | <u>_____</u> | <u>_____</u> |
| | <u>_____</u> | <u>_____</u> | <u>_____</u> |
| | <u>_____</u> | <u>_____</u> | <u>_____</u> |

PBTD 5510'

PRODUCTION CSG. 5 1/2 @ 5616'
2-55, 14"

All Perfs Zone I unless noted

42 181 50 SHEETS 5 SQUARE
42 182 100 SHEETS 5 SQUARE
42 183 200 SHEETS 5 SQUARE
42 184 300 SHEETS 5 SQUARE
NATIONAL

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

RECEIVED

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

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

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 | |

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 Konkkel* Telephone Number: 505 599-3452

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

L B Sheffield
~~BRIAN BERRY~~
~~M E P N A 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)

**931000 updated.
 Jc*

| 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: Lwell B Sheffield

Telephone Number: 303 565 2212
241 58 2528

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

| | | | |
|--|--|---|-------------------|
| SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small> | | 3. LEASE DESIGNATION & SERIAL NO. | |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL | |
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 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. | |
| 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 | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA | |
| 14. API NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) | 12. COUNTY SAN JUAN | 13. STATE UTAH |

RECEIVED

SEP 15 1993

DIVISION OF
OIL, GAS & MINING

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

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

(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.)

* 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.

18. 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 _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

| | | | | |
|-------------------|-------------------------|---------------------------|--------------------------------|---------------------------------------|
| ✓ 12W-44 | 43-037-16405 | 14-20-603-246A | SEC. 12, T41S, R23E | SE/SE 660 FSL; 660 FEL |
| ✓ 12W-44A | 43-037-31543 | 14-20-603-246A | SEC. 12, T41S, R23E | SE/SE 807 FSL; 772 FSL |
| ✓ 13-11W | 43-037-31152 | 14-20-603-247A | SEC. 13, T41S, R23E | NW/NW 500 FNL; 660 FWL |
| ✓ 13-12 | 43-037-31127 | 14-20-603-247A | SEC. 13, T41S, R23E | SW/NW 1705 FNL; 640 FWL |
| ✓ 13W-13 | 43-037-15851 | 14-20-603-247A | SEC. 13, T41S, R23E | NW/SW 1980 FSL; 4620 FEL |
| ✓ 13-14 | 43-037-31589 | 14-20-603-247A | SEC. 13, T41S, R23E | 660 FSL; 660 FWL |
| ✓ 13-21 | 43-037-31128 | 14-20-603-247A | SEC. 13, T41S, R23E | NE/NW 660 FNL; 1920 FWL |
| ✓ 13W-22 | 43-037-15852 | 14-20-603-247A | SEC. 13, T41S, R23E | SE/NW 1988 FNL; 3300 FEL |
| ✓ 13-23 | 43-037-31129 | 14-20-603-247A | SEC. 13, T41S, R23E | NE/SW 1980 FSL; 1930 FWL |
| 13W-44 | 43-037-15853 | 14-20-603-247 | SEC. 13, T41S, R23E | 600 FSL; 3300 FEL |
| ✓ 13W-32 | 43-037-16406 | 14-20-603-247A | SEC. 13, T41S, R23E | 1881 FNL; 1979 FEL |
| ✓ 13W-33 | 43-037-15855 | 14-20-603-247A | SEC. 13, T41S, R23E | NW/SE 1970 FSL; 1979 FEL |
| ✓ 13W-34 | 43-037-31130 | 14-20-603-247A | SEC. 13, T41S, R23E | SW/SE 660 FSL; 1980 FEL |
| ✓ 13-41 | 43-037-15856 | 14-20-603-247A | SEC. 13, T41S, R23E | NE/NE 660 FNL; 660 FEL |
| ✓ 13W-42 | 43-037-15857 | 14-20-603-247A | SEC. 13, T41S, R23E | SE/NE 2139; 585 FEL |
| ✓ 13-43 | 43-037-31131 | 14-20-603-247A | SEC. 13, T41S, R23E | NE/SE 1700 FSL; 960 FEL |
| * 13W-44 | 43-037-16407 | 14-20-603-247A | SEC. 13, T41S, R23E | SE/SE 635 FSL; 659 FEL |
| 14-02 | NA | 14-20-603-4037 | SEC. 11, T41S, R23E | SW/SW 660 FSL; 660 FEL |
| ✓ 14-32 | 43-037-15858 | 14-20-603-247A | SEC. 14, T41S, R23E | 2130 FNL; 1830 FEL |
| ✓ 14-41 | 43-037-31623 | 14-20-603-247A | SEC. 14, T41S, R23E | NE/NE 521 FEL; 810 FNL |
| ✓ 14W-42 | 43-037-15860 | 14-20-603-247A | SEC. 14, T41S, R23E | SE/NE 1976 FNL; 653 FEL |
| ✓ 14W-43 | 43-037-16410 | 14-20-603-247A | SEC. 14, T41S, R23E | 3300 FSL; 4770 FEL |
| ✓ 14-33 | 43-037-15859 | 14-20-603-247 | SEC. 14, T41S, R23E | 2130 FSL; 1830 FEL |
| ✓ 15-12 | 43-037-15715 | 14-20-603-355 | SEC. 15, T41S, R24E | 1820 FNL; 500 FWL |
| ✓ 15W-21 | 43-037-16411 | 14-20-603-355 | SEC. 15, T41S, R24E | 660 FNL; 1820 FWL |
| ✓ 15-22 | 43-037-30449 | 14-20-603-355 | SEC. 15, T41S, R24E | SE/NW, 1980 FNL; 2050 FWL |
| ✓ 15-32 | 43-037-15717 | 14-20-603-355A | SEC. 15, T41S, R24E | 1980 FNL; 1980 FEL |
| ✓ 15-33 | 43-037-15718 | 14-20-603-355 | SEC. 15, T41S, R24E | NW/SE 1650 FSL; 1980 FEL |
| ✓ 15-41 | 43-037-15719 | 14-20-603-355 | SEC. 15, T41S, R24E | 660 FNL; 660' FEL |
| ✓ 15-42 | 43-037-30448 | 14-20-603-355 | SEC. 15, T41S, R24E | SE/NE 2020 FNL; 820 FEL |
| ✓ 16W-12 | 43-037-15720 | 14-20-603-355 | SEC. 16, T41S, R24E | SW/NW 1880 FNL; 660 FWL |
| ✓ 16-13 | 43-037-31168 | 14-20-603-355 | SEC. 16, T41S, R24E | 1980 FSL; 660 FWL |
| ✓ 16W-14 | 43-037-15721 | 14-20-603-355 | SEC. 16, T41S, R24E | SW/SW 660 FSL; 660 FWL |
| ✓ 16W-21 | 43-037-16414 | 14-20-603-355 | SEC. 16, T41S, R24E | NE/NW 660 FNL; 1880 FWL |
| ✓ 16W-23 | 43-037-15722 | 14-20-603-355 | SEC. 16, T41S, R24E | NE/SW 1980 FSL; 1980 FWL |
| ✓ 16-32 | 43-037-15723 | 14-20-603-355 | SEC. 16, T41S, R24E | 1980 FNL; 1980' FEL |
| ✓ 16-34 | 43-037-15724 | 14-20-603-355 | SEC. 16, T41S, R24E | 660 FNL; 1980' FEL |
| ✓ 16-41 | 43-037-15725 | 14-20-603-355 | SEC. 16, T41S, R24E | 660 FNL; 660 FEL |
| ✓ 16W-43 | 43-037-16415 | 14-20-603-355 | SEC. 16, T41S, R24E | NE/SE 2140 FSL; 820 FEL |
| ✓ 17-11 | 43-037-31169 | 14-20-603-353 | SEC. 17, T41S, R24E | NW/NW 1075' FNL; 800' FWL |
| ✓ 17W-12 | 43-037-15726 | 14-20-603-353 | SEC. 17, T41S, R24E | SW/NW 1980' FNL; 510' FWL |
| ✓ 17-13 | 43-037-31133 | 14-20-603-353 | SEC. 17, T41S, R24E | NW/SW 2100' FSL; 660' FWL |
| ✓ 17W-14 | 43-037-15727 | 14-20-603-353 | SEC. 17, T41S, R24E | SW/SW 660' FSL; 660' FWL |
| ✓ 17W-21 | 43-037-16416 | 14-20-603-353 | SEC. 17, T41S, R24E | 510' FNL; 1830' FWL |
| ✓ 17-22 | 43-037-31170 | 14-20-603-353 | SEC. 17, T41S, R24E | 1980' FNL; 1980' FWL |
| ✓ 17W-23 | 43-037-15728 | 14-20-603-353 | SEC. 17, T41S, R24E | NE/SW 1980' FWL; 1880' FSL |
| ✓ 17-31 | 43-037-31178 | 14-20-603-353 | SEC. 17, T41S, R24E | NW/NE 500' FNL; 1980' FEL |
| ✓ 17-32W | 43-037-15729 | 14-20-603-353 | SEC. 17, T41S, R24E | SW/NE 1830' FNL; 2030' FEL |
| ✓ 17-33 | 43-037-31134 | 14-20-603-353 | SEC. 17, T41S, R24E | NW/SE 1980' FSL; 1845' FEL |
| ✓ 17-34W | 43-037-15730 | 14-20-603-353 | SEC. 17, T41S, R24E | SW/SE 560' FSL; 1880' FEL |
| ✓ 17W-41 | 43-037-15731 | 14-20-603-353 | SEC. 17, T41S, R24E | 610' FNL; 510' FEL |
| ✓ 17-42 | 43-037-31177 | 14-20-603-353 | SEC. 17, T41S, R24E | SE/NE 1980; FNL, 660' FEL |
| ✓ 17-44 | 43-037-15732 | 14-20-603-353 | SEC. 17, T41S, R24E | 660 FSL; 660' FEL |
| ✓ 17W-43 | 43-037-16417 | 14-20-603-353 | SEC. 17, T41S, R24E | NE/SE 1980' FSL; 660' FEL |
| ✓ 18-11 | 43-037-15733 | 14-20-603-353 | SEC. 18, T41S, R24E | NW/NW 720' FNL; 730' FWL |
| ✓ 18-12W | 43-037-31153 | 14-20-603-353 | SEC. 18, T41S, R24E | SW/NW 1980' FNL; 560' FWL |
| ✓ 18W-21 | 43-037-16418 | 14-20-603-353 | SEC. 18, T41S, R24E | NE/NW 660' FNL; 1882' FWL |
| ✓ 18-22 | 43-037-31236 | 14-20-603-353 | SEC. 18, T41S, R24E | SW/NW 2200' FNL; 2210' FWL |
| ✓ 18W-23 | 43-037-30244 | 14-20-603-353 | SEC. 18, T41S, R24E | NE/SW 2385' FSL; 2040' FWL |
| ✓ 18W-14 | 43-037-15735 | 14-20-603-353 | SEC. 18, T41S, R24E | SW/SW 810' FSL; 600' FWL |
| ✓ 18-24 | 43-037-31079 | 14-20-603-353 | SEC. 18, T41S, R24E | SE/SW 760' FSL; 1980' FWL |
| ✓ 18-31 | 43-037-31181 | 14-20-603-353 | SEC. 18, T41S, R24E | NW/NE 795' FNL; 2090; FEL |
| 18W-32 | 43-037-15736 | 14-20-603-353 | SEC. 18, T41S, R24E | SW/NE 2140' FNL; 1830' FEL |
| ✓ 18-33 | 43-037-31135 | 14-20-603-353 | SEC. 18, T41S, R24E | NW/SE 1870' FSL; 1980' FEL |
| ✓ 18-34W | 43-037-15737 | 14-20-603-353 | SEC. 18, T41S, R24E | SW/SE 780' FSL; 1860 FEL |
| ✓ 18W-41 | 43-037-15738 | 14-20-603-353 | SEC. 18, T41S, R24E | NE/NE 660' FNL; 660' FEL |
| ✓ 18-42 | 43-037-31182 | 14-20-603-353 | SEC. 18, T41S, R24E | SE/NE 2120' FNL; 745' FEL |
| ✓ 18W-43 | 43-037-16419 | 14-20-603-353 | SEC. 18, T41S, R24E | NE/SE 1980' FSL; 660' FEL |
| ✓ 18-44 | 43-037-31045 | 14-20-603-353 | SEC. 18, T41S, R24E | SE/SE 660' FSL; 660' FEL |
| ✓ 19-11 | 43-037-31080 | 14-20-603-353 | SEC. 19, T41S, R24E | NW/NW 660' FNL; 660' FWL |
| ✓ 19-12 | 43-037-15739 | 14-20-603-353 | SEC. 19, T41S, R24E | 600' FWL; 1980' FNL |
| ✓ 19-14 | 43-037-15740 | 14-20-603-353 | SEC. 19, T41S, R24E | 600' FSL; 660' FEL |

PA'd

PA'd

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - VIC 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 Area 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 | |
| Section 4: | S/2 | through 21: | All |
| Sections 5 through 9: | All | Section 22: | NE/4 and |
| Section 10: | S/2 and NE/4 | | E/2 of the |
| | and W/2 of NE/4 | | SW/4 |
| Section 11: | S/2 of SW/4 | Section 23: | NE/4 and |
| | | | E/2 of NE/4 |
| Section 14: | S/2 | | and W/2 of SW/4 |
| | | Section 29 and 30: | All |
| | | Section 31: | S/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.

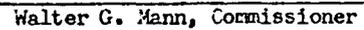
THE OIL AND GAS CONSERVATION
COMMISSION OF THE STATE OF UTAH


Edward W. Clyde, Commissioner, presiding


C. R. Henderson, Chairman


H. V. Hatch, Commissioner


C. S. Thomson, Commissioner


Walter G. Mann, Commissioner

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 Ratherford Unit (GC)

RECEIVED
BLM

JUL 27 AM 11:44

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

070 FARMINGTON, NM

ARES/543

JUL 26 1993

| | |
|---------|------|
| MINERAL | 1992 |
| NO. | |
| DATE | |
| BY | |
| REMARKS | |
| FILED | |

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

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 Ratherford 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,

62 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. [Signature]
Attorney-in-Fact B.D. MARTINY

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

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 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 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 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 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 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 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 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 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 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 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 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 Oct. 27, 1953 | 14.2819339 |
| 13 | W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah | 14-20-603-370 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 Dec. 10, 1953 | 6.9924969 |
| 15 | NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah | 14-20-603-409 Dec. 10, 1953 | .9416393 |
| 16 | SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah | 14-20-0603-6504 July 11, 1961 | .5750254 |
| 17 | NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah | 14-20-0603-6505 July 11, 1961 | .5449292 |
| 18 | NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah | 14-20-0603-6506 July 11, 1961 | .5482788 |
| 19 | NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah | 14-20-0603-7171 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 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).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

| |
|---------------|
| Routing: |
| 1-VLC/17-54 |
| 2-DTS/58-2114 |
| 3-VLC |
| 4-RJN |
| 5-JE |
| 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> |

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

| | | | | | | |
|-------------------------------|-------------------------|---------------|-----------|-----------|-----------|-------------------|
| Name: **SEE ATTACHED** | API: <u>43037-16407</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

- Sec 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)
- Sec 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: _____.
- Sec 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.
- Sec 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)
- Sec 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (wiw's 10-26-93)
- Sec 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (wiw's 10-26-93)
- Sec 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)
- Sec 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/B/m Approved 7-9-93.

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
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).

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,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

| | |
|-------|------|
| 1-LEC | 7-PL |
| 2-LWP | 8-SJ |
| 3-DEO | 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: ** SEE ATTACHED ** | API: <u>037-16407</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.
- lec 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. 8-31-95
- lwp 7. Well file labels have been updated for each well listed above. 9-28-95
- lec 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)
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 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) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19__.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated _____ 19__, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *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 reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

14-20-603-247A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 13-W-44

9. API Well No.

43-037-16407

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. 13, T41S, R23E
(SE/SE) 635' FSL & 659' FEL

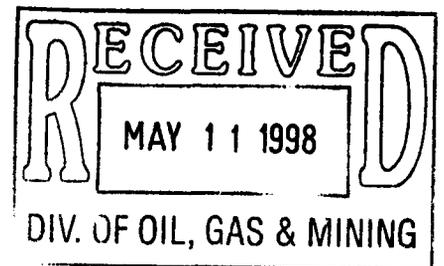
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION |
|---|--|
| <input type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> Other MIT TESTS |
| | <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.)*

SEE ATTACHED MIT AND CHART.



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

Signed *Shirley Houchins* for 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:

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.

ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator Mobil E. & P., Inc Date of Test 7-29-97
 Well Name RU # 13W-44 EPA Permit No. _____
 Location Sec. 13, T41S-R23E Tribal Lease No. 14-10-603-247A
 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>11:20</u> | <u>1100</u> | <u>0</u> |
| <u>11:25</u> | <u>1100</u> | / |
| <u>11:30</u> | <u>1100</u> | |
| <u>11:40</u> | <u>1095</u> | |
| <u>11:50</u> | <u>1090</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)).

WELL WAS S.I. PRIOR TO M.I.T.
PASSED M.I.T.

RICK AUTHOR *Rick Author* 7-29-97
 COMPANY REPRESENTATIVE: (Print and Sign) DATE
Melvin Capitan Jr. *Melvin Capitan Jr.* 7-29-97
 INSPECTOR: (Print and Sign) DATE

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF INSPECTION

| | | |
|---|---|--|
| Address (EPA Regional Office) Region 9 Environmental Inspection Agency 215 Fremont Street (W-6-2) San Francisco, CA 94105 | Inspection Contractor Navajo EPA THE CALUMIS GROUP, INC. CORPORATE OFFICE 1035 RIVER STREET WALTHAM, MA 02154 (617) 254-9800 | Firm To Be Inspected Mobil E.&P., Inc. P.O. Box Dawer G Cortez, Co 81321 |
|---|---|--|

| | |
|---------------------|--|
| Date <i>7-29-97</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>8:50 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.

RU # 24W-42, WATER INJECTION WELL, M.I.T. - PASSED

RU # 24W-31, WATER INJECTION WELL, M.I.T. - PASSED

RU # 13W-44, WATER INJECTION WELL, M.I.T. - PASSED

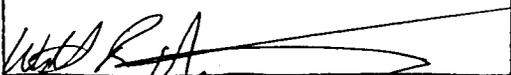
RU # 13W-24, WATER INJECTION WELL, M.I.T. - PASSED

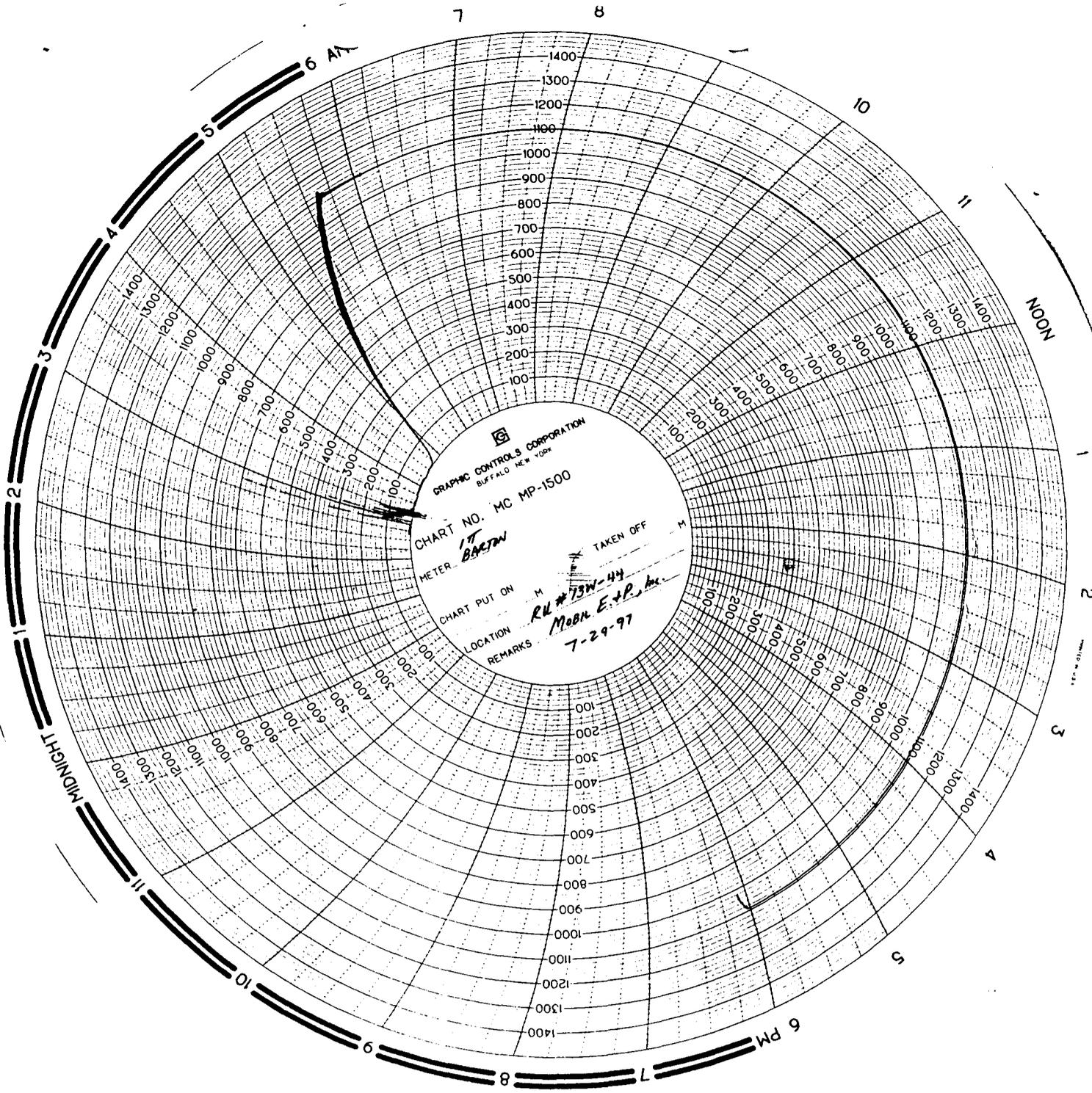
RU # 13W-31, WATER INJECTION WELL, M.I.T. - PASSED

RU # 13W-42, 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.

| | | |
|---|------------------------|--|
| Firm Representative  | Date <i>7-29-97</i> | Inspector  |
|---|------------------------|--|



GRAPHIC CONTROLS CORPORATION
BUFFALO, N. Y.

CHART NO. MC MP-1500
METER *17 BACIN*

CHART PUT ON M

TAKEN OFF M

LOCATION

*RU # 79W-44
MOON E.P., N.Y.*

REMARKS

7-29-97

ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator EXXON-MOBIL E.+P., INC. Date of Test 1-19-2000

Well Name RATHERFORD UNIT WELL #13W-44 EPA Permit No. _____

Location SESE SEC 13, T41S, R23E Tribal Lease No. 1420603 247A

State and County SAN JUAN COUNTY, WY

Continuous Recorder? YES NO Pressure Gauge? YES NO

Bradenhead Opened? YES NO Fluid Flow? YES NO

| TIME | ANNULUS PRESSURE, psi | | TUBING PRESSURE, psi |
|---------|-----------------------|---------------------|----------------------|
| | 0-2000 psi gauge | 0-1500 psi recorder | |
| 3:52 pm | 1080 | 1080 | 2949 |
| 3:57 pm | 1080 | 1080 | 2949 |
| 4:02 pm | 1070 | 1070 | 2949 |
| 4:07 pm | 1065 | 1060 | 2949 |
| 4:12 pm | 1065 | 1060 | 2949 |
| 4:17 pm | 1065 | 1060 | 2949 |
| 4:22 pm | 1065 | 1060 | 2949 |

MAX. INJECTION PRESSURE: 3000 PSI
MAX. ALLOWABLE PRESSURE CHANGE: 54.0 PSI (TEST PRESSURE X 0.05)

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

Active, Injecting
Passed MIT

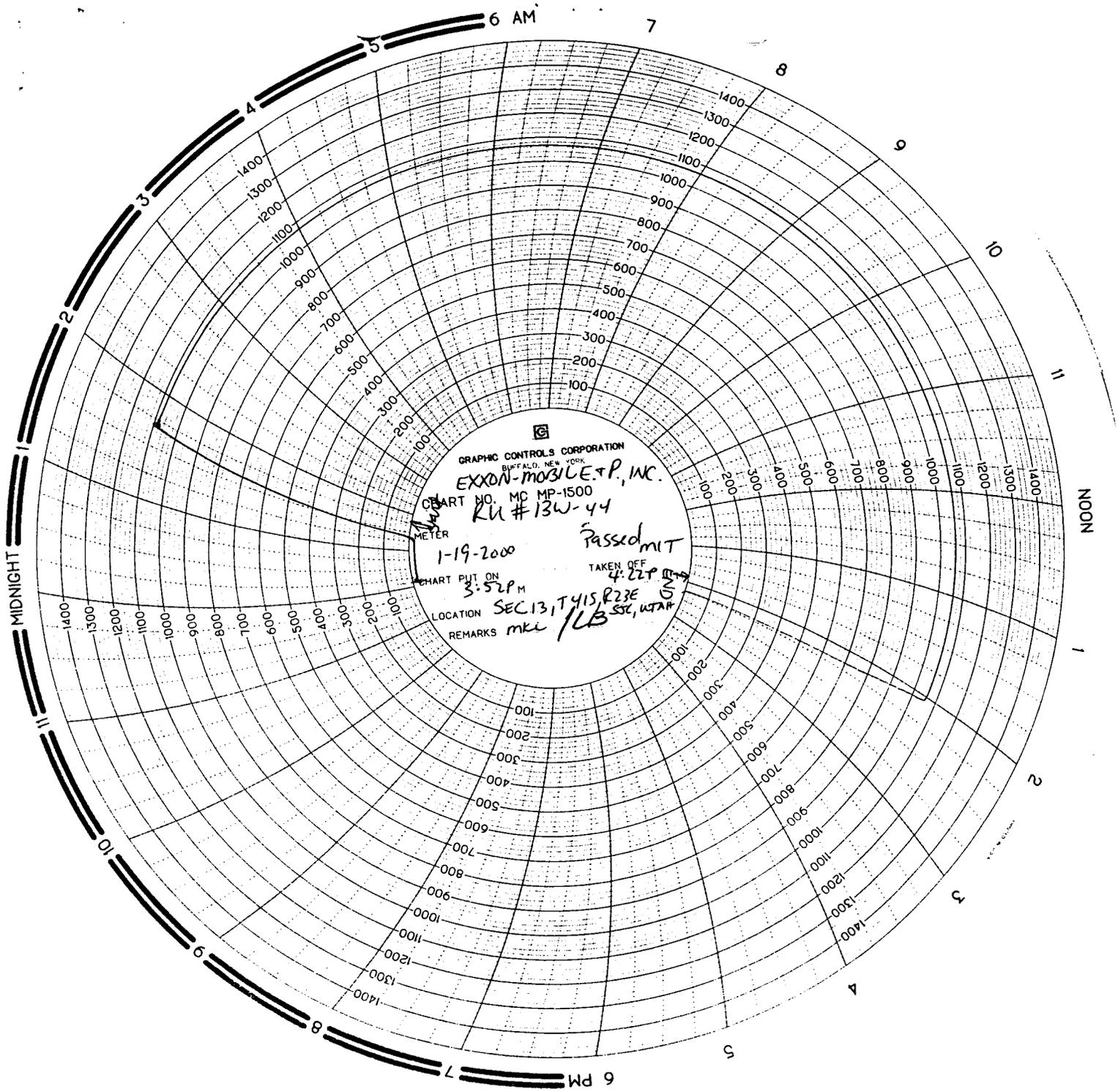
DATE
OIL, GAS & MINERAL

Carson Blackgait
COMPANY REPRESENTATIVE: (Print and Sign)

1/19/00
DATE

Melvina K. Clah
INSPECTOR: (Print and Sign)

1-19-2000
DATE



GRAPHIC CONTROLS CORPORATION
 BUFFALO, NEW YORK
EXXON-MOBILE T.P., INC.
 CHART NO. MC MP-1500
 RU # 13W-44
 METER
 1-19-2000
 CHART PUT ON 3:52 PM
 LOCATION SEC 13, T 41S, R 23E S
 REMARKS mku / LB SEC, WTAH
 Passed mit
 TAKEN OFF 4:22 PM

FORM 100

DIVISION OF
 OIL, GAS AND
 CONSERVATION

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 <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other | | 5. Lease Serial No. See Attached Listing |
| 2. Name of Operator Mobil Producing TX & NM Inc* *Mobil Exploration & Producing US Inc as agent for MPTM | | 6. If Indian, Allottee or Tribe Name NAVAJO TRIBAL |
| 3a. Address P.O. Box 4358, Houston, TX 77210-4358 | 3b. Phone No. (include area code) 713-431-1022 | 7. If Unit or CA/Agreement, Name and/or No. Ratherford Unit |
| 4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) See Attached Listing | | 8. Well Name and No. See Attached Listing |
| | | 9. API Well No. See Attached Listing |
| | | 10. Field and Pool, or Exploratory Area Greater Aneth |
| | | 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 |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | Wellhead |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | Changeout |

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 authorization to pull the injection equipment, change out the wellheads and return the wells to injection. We plan to replace the 2,000 psi wellheads with 5,000 psi wellheads.

See Attached Listing of Wells.

RECEIVED

SEP 12 2000

DIVISION OF
OIL, GAS AND MINING

COPY SENT TO OPERATOR
Date: 9-15-00
Initials: CHD

| | |
|---|---------------------------------------|
| 14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Mark Del Pico | Title Regulatory Sepcialist |
| Signature <i>Mark Del Pico</i> | Date 9/7/00 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|--------|---|
| Approved By | Title | ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING |
| 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 | |
| | | DATE: <u>9-15-00</u> |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**Federal Approval Of This
Action Is Necessary**

Attached Listing of Ratherford Wells

| Well Name Number | API Number | Federal Lease # | Sec T R | Location |
|---------------------|---------------|--------------------|------------------|---------------------|
| Ratherford 1-W-24 | 43-037-15839 | 14-20-603-246 | 01 - T41S - R23E | 651 FSL / 3300 FEL |
| Ratherford 2-W-44 | 43-037-16386 | 142-0-603-246A | 02 - T41S - R23E | 810 FNL / 5119 FWL |
| Ratherford 7-W-12 | 43-037-15985 | 14-20-6-3-368 | 07 - T41S - R24E | 2140 FNL / 585 FWL |
| Ratherford 12-W-31 | 43-037-15847 | 14-20-603-246A | 12 - T41S - R23E | 661 FNL / 1981 FEL |
| Ratherford 12-W-33 | 43-037-15848 | 14-20-603-246A | 12 - T41S - R23E | 1957 FSL / 1981 FEL |
| Ratherford 13-W-24 | 43-037-15853 | 14-20-603-247 | 13 - T41S - R23E | 600 FSL / 3300 FEL |
| Ratherford 13-W-42 | 43-037-15857 | 14-20-6-3-247A | 13 - T41S - R23E | 2139 FNL / 585 FEL |
| Ratherford 13-W-44 | 43-037-16407 | 14-20-603-247A | 13 - T41S - R23E | 635 FSL / 659 FEL |
| Ratherford 19-W-41 | 43-037-15745 | 14-20-603-353 | 19 - T41S - R24E | 660 FNL / 660 FEL |
| Ratherford 20-W-41 | 43-037-15751 | 14-20-603-353 | 20 - T41S - R24E | 660 FNL / 660 FEL |
| Ratherford 28-W-21 | 43-037-16431 | 14-20-603-409 | 29 - T41S - R24E | 660 FNL / 2022 FWL |

RepWellList1.doc

RECEIVED

SEP 12 2000

DIVISION OF
OIL, GAS AND MINING

SUB SURFACE MAINTENANCE PROGRAM

WELL NO : Ratherford 13-W-44 / API # 43-037-16407

SEC 13-T41S-R23E

San Juan County, Utah

To pull injection equipment, change out wellhead, and return well to injection.

This well work is being done because there has been a process step change in injection pressure. It appears that over the injection life of this well the injection pressure has increased from 2000psi to 3000psi. For this reason, the wellhead needs to be upgraded to handle the additional pressure increase and reduce the possibility of a pressure release (SHE hazard) at the surface

GENERAL PROCEDURES

- (1) Prior to MIRU PU, MIRU perf company and perforate tbg at approximately 5345'. Circ calculated kill fluid down the casing and up the tbg to establish well control.
Note – The well may already have been killed with calculated KWM prior to step 1.
- (2) MIRU PU. Pick up on tbg and LD 1st joint. PU compression set pkr (storm valve) and RIH and set in compression. Monitor the well for pressure for a least one hour.
- (3) Once well control has been re-confirmed, proceed to spear production csg hanger and relieve tension.
- (4) Proceed to cut off lower csg head and weld on the 5000psi replacement wellhead.
- (5) NU BOP/Hydril. Pick up pkr setting joint and left-handed thread and retrieve pkr (storm valve).
- (6) MIRU Campbell's tbg testers.
- (7) Release pkr and POOH hydrotesting each joint and LD first joint and SB remaining 160 2 3/8" Duoline tbg and LD all joints that fail 3500psi test.
- (8) LD 5 1/2" x 2 3/8" Otis NL pkr @5390'.
- (9) RDMO Campbell tbg testers.
- (10) PU redressed profile w/ pump out plug, 5 1/2" x 2 3/8" pkr, and 5 1/2" x 2 3/8" on/off tool. RIH on 2 3/8" Duolined tbg.
- (11) Set pkr @5390' +/- 10' and test to 1000psi.
- (12) Release on/off tool, circ. Pkr. Fluid (145bbls of freshwater w/ 61gal of Baker Petrolite CRW 132F) latch on to pkr.
Note – Volume based on a pkr setting depth of 5390' + 10 % of total volume.

Continued

(13) ND BOP/Hydril, NU WH.

Note – Call ahead (at least 48hrs prior to testing) to the Navajo EPA and BLM so that they have time to find a witness for the MIT test if needed once the injection string is run back in. The backside should be tested to 1000psi with no more than a 5% loss in 30minutes if a successful test is to be obtained. The test should be charted and an original copy sent to Ellen Carroll (713-431-1197) in Houston, Tx.

(14) Test tbg to 1200 psi and pump-out plug.

(15) Clean out location RDMO PU

**Ratherford 13W44
WELL ID
API # 43-037-16407
SEC 13-T41S-R23E**

OVERALL OBJECTIVE:
 (1) Kill we
 (2) Pull equipment & switch out wellhead
 (3) RIH w/ on/off tool, profile, return well to injection

Surface csg - 8 5/8", 24#, J55. 1419' w/ 700sx cmt

Sqz'd csg leak @ 76'-117' up annulus to surface

2 3/8" Duolined Tbg

Surface Csg Shoe @1419'

MUD WEIGHT:
MUD VISCOSITY:

COMPLETION DATE: _____
TOTAL COST: _____

EXISTING EQUIPMENT
 Run time - 5/31/86
 - 2 3/8" Duolined tbg
 - 5 1/2" on/off tool
 - DH shutoff valve
 - 5 1/2" Otis NL inj pkr @5390'

NEW EQUIPMENT INFO
 - New 5000psi wellhead
 - 2 3/8" Duolined tbg
 - 5 1/2" on/off tool
 - DH shutoff valve
 - 5 1/2" Otis NL inj pkr @5390'

TOC - 4270'

Sqz'd csg leak 4296'-4337'

5 1/2" Otis NL pkr 5390', DH shutoff valve, on/off tool

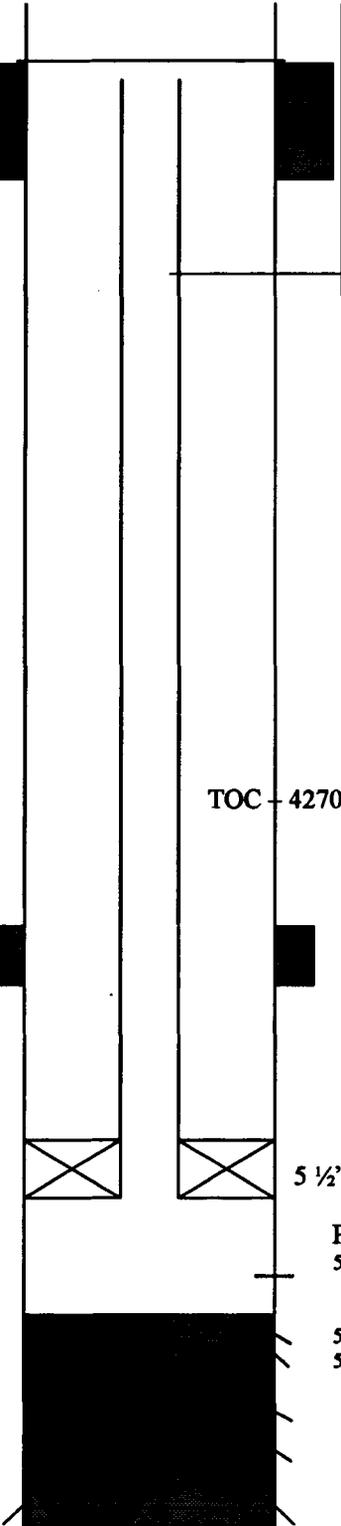
Drilled out cmt to 5510'

Csg size - 5 1/2", 14#, 15.5#. 5616' w/ 200sx

Perfs
5426'-5463' Zone I

5530' - 5537' Zone I Sqz'd off
5552'-5565' Zone II Sqz'd off

5573'-5579' Zone II
5581' - 5585' Zone III



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.

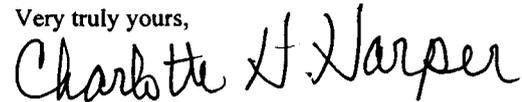
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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 27 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
~~XXXXXXXXXXXX~~
Navajo Area Office

NAVAJO REGION

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

AUG 30 2001

SEP 11 11:15
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,

GENNI 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 1 | <i>DB/MC</i> |
| NATV AM MIN COORD | _____ |
| SOLID MIN TEAM | _____ |
| PETRO MIN 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

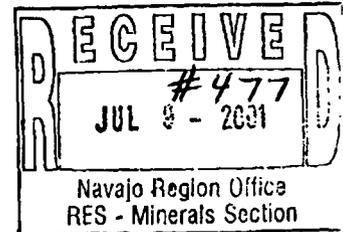
MS 7/12/2001
GN
543
File

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.

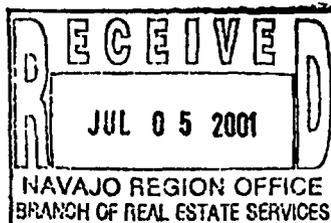
If you have any questions , please contact Alex Correa at (713) 431-1012.

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 true 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

SAL

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

World Center One South, Suite 1400, Houston, Texas 77027-3501
Telephone: (713) 297-4600 • Facsimile: (713) 297-4750

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 12th 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, Assistant Secretary

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 that the signature of **Kenneth C. Wendel** subscribed to said Power of Attorney is in the genuine handwriting of **Kenneth C. Wendel** and was subscribed by authority of said **Kenneth C. Wendel** in his presence.



Notary Public State of New Jersey
No. 2231647
Commission Expires **Oct 28, 2004**

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, 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.

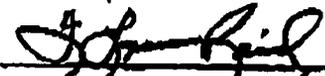
IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



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.



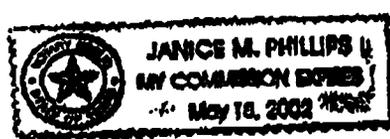
F. L. REID, Secretary

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. 132 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

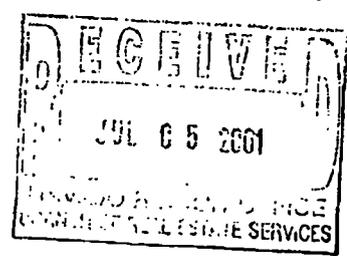
6949 Las Colinas Blvd.
(Mailing address)

TAX \$ _____
BY: *SAC*

Irving, TX 75039-2298
(City, State and Zip code)

ny Albany

Cost Ref # 165578 MPJ



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. ...", written over a horizontal line.

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: | | 06-01-2001 |
| FROM: (Old Operator): | | TO: (New Operator): |
| 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

| WELL(S) | | | | | | |
|---------------------------|----------------|--------------|--------------|---------------|--------------|----------------|
| NAME | SEC TWN RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
| 1-24 | 01-41S-23E | 43-037-15839 | 6280 | INDIAN | WI | A |
| N DESERT CR 44-2 (2-44) | 02-41S-23E | 43-037-16386 | 99990 | INDIAN | WI | A |
| 11-42 | 11-41S-23E | 43-037-15841 | 6280 | INDIAN | WI | A |
| 11-44 | 11-41S-23E | 43-037-15842 | 6280 | INDIAN | WI | A |
| 12-11 | 12-41S-23E | 43-037-15843 | 6280 | INDIAN | WI | A |
| RATHERFORD 12-W-22 | 12-41S-23E | 43-037-15845 | 6280 | INDIAN | WI | A |
| 12-31 | 12-41S-23E | 43-037-15847 | 6280 | INDIAN | WI | A |
| RATHERFORD 12-W-33 | 12-41S-23E | 43-037-15848 | 6280 | INDIAN | WI | A |
| 12-42 | 12-41S-23E | 43-037-15850 | 6280 | INDIAN | WI | A |
| N DESERT CR 13-12 (12-13) | 12-41S-23E | 43-037-16404 | 99990 | INDIAN | WI | A |
| RATHERFORD U 12-24 | 12-41S-23E | 43-037-31151 | 6280 | INDIAN | WI | A |
| RATHERFORD U 12-W-44A | 12-41S-23E | 43-037-31543 | 6280 | INDIAN | WI | A |
| 13-W-13 | 13-41S-23E | 43-037-15851 | 6280 | INDIAN | WI | A |
| 13-22 | 13-41S-23E | 43-037-15852 | 6280 | INDIAN | WI | A |
| 13-24 | 13-41S-23E | 43-037-15853 | 6280 | INDIAN | WI | A |
| 13-31 | 13-41S-23E | 43-037-15854 | 6280 | INDIAN | WI | A |
| RATHERFORD 13-W-33 | 13-41S-23E | 43-037-15855 | 6280 | INDIAN | WI | A |
| 13-42 | 13-41S-23E | 43-037-15857 | 6280 | INDIAN | WI | A |
| N DESERT CR 44-13 (13W44) | 13-41S-23E | 43-037-16407 | 99990 | INDIAN | WI | A |
| RATHERFORD U 13-W-11 | 13-41S-23E | 43-037-31152 | 6280 | INDIAN | WI | A |

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
5. 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 Communization 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: 04/09/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/9/2002

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:

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)

5. Lease Serial No.

14-20-603-247A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

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

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD UNIT 13W44

9. API Well No.

43-037-16407

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 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 checked="" type="checkbox"/> Other Replace Wellhead |
| | <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 a summary of work performed on Ratherford Unit #13W44 from 5/30/01 to 6/14/01. The wellhead was replaced on this well.

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

Kim Lynch

Title

Sr. Staff Office Assistant

Signature

Kim Lynch

Date

07/18/2001

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)

Ratherford Unit 13W44
San Juan County, Utah
43-037-16407

- 5/30/01 MIRU WSU #14. SITP = 2450 psi. SICP = 0 psi. RU steel line and FB 166 BPW to RU pit. SD, SI & SWON.
- 5/31/01 SITP = 2450 psi. SICP = 0 psi. RU line and check manifold. FB, SD, SI & SWON. FSITP = 1450 psi.
- 6/1/01 WSU stby. SITP = 2100 psi. SICP = 0 psi.
- 6/4/01 SITP = 2000 psi. SICP = 0 psi. FB 200 BPW, RU & T WWSL. RIH with 1-3/8" SB to perf, could only get to 1650'. RD WWSL, SD, SI & SWON.
- 6/5/01 SITP = 1800 psi. SICP = 0 psi. OUW & FB 150 BPW. RU WWLS and RIH with 1" SB. Could only get to 1680'. RD WWSL, RU & P 20 BBL 16# mud, well dead. ND WH & W/O correct comp flange. NU & T BOPE. Found tubing in tension. Could not release from on/off tool. SD, SI & SWON.
- 6/6/01 SITP/CP = 0 psi. OUW, ND BOP, Remove landing donut & NU & T BOPE. Attempted to release on/off tool, release packer & PUH 42 jts. 2-8' subs, 2 jts. & 20' until packer stuck. SD, SI & SWON.
- 6/7/01 SITP/CP = 0 psi. OUW & worked to stuck packer. RU & T WWLS. RIH, shot, back off & W/O mud to kill BS, 1300# on csg. Circulate with 100 BBLs 16# mud. POH with 67 stds & single. Backed off at sub on top of on/off tool. PU & SB 6 - 3-1/2 DC, RIH with 24 stds prod tbg. SD, SI & SWON.
- 6/8/01 SITP/CP = 0 psi. OUW & POH with KS. PU X-O, BS, 6 - 3-1/2 DC, Jars & 1 jt. W/O WS & MI WS. PU 118 jts. WS, RIH, screw into on/off tool, & POH. LD fish, LD tools, & PU 6' sub with pump out plug, packer, on/off tool, ported sub & RIH with 62 jts. SD, SI & SWON.
- 6/11/01 SITP/CP = 0 psi. OUW & RIH. Set packer at 5377'. RU & P 16# mud OOH with 140 BFW. POH. LD WS & ported sub. RIH with 25 stds prod tbg. SD, SI & SWON.
- 6/12/01 SITP/CP = 0 psi. OUW & POH with 25 stds. RU CT & RIH, TT. 2 bad jts. Non-duoline & bad threads. RD CT, LD 3 jts. PU & RIH with storm valve. Set storm valve, SD, SI & SWON.
- 6/13/01 SITP/CP = 0 psi. BO & POH with jt tbg. RD floor & ND, set out BOP. PU, RIH & spear 5-1/2 csg., ground moving, 5-1/2 cmt to surface. Hold 10K# on spear, complete HWP, dig around conductor & C/O conductor. Cut & remove 8-5/8 collar, break off cmt, knock 8-5/8 WH loose & BO 5-1/2 WH. MI backhoe, dig down 3', cut off cond & C/O 8-5/8 csg. Weld on new 8-5/8 WH, cut & bevel 5-1/2 csg., set SLIPD & NU & T TH 2000#. NU BOP, PU jt. & retrieve storm valve. LD storm valve, SD, SI & SWON.
- 6/14/01 SIP = 0 psi. PU 6' sub & LJ, donut & latch onto on/off tool. Space out OK, 15K# comp. W/O & circulate 120 BBL pkr fluid. J on & land. ND BOP & NU Tree. Test BS 1000#. GT. RU hard line & blow plug at 2200#. RDMO to RU 13-22. Well ready to return to injection.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

| |
|--------|
| 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: | | 6/1/2006 |
| FROM: (Old Operator): N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936 | TO: (New Operator): N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600 | |
| CA No. | Unit: | RATHERFORD (UIC) |

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:

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

| | |
|--|---|
| Well Name and Number See attached list | API Number Attached |
| Location of Well Footage: See attached list County: San Juan | Field or Unit Name Rutherford Unit |
| QQ, Section, Township, Range: State: UTAH | Lease Designation and Number 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:

RECEIVED
APR 24 2006

DIV. OF OIL, GAS & MINING

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

FORM 9

| | | |
|--|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS | | 5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 7. UNIT or CA AGREEMENT NAME: Ratherford Unit |
| | | 8. WELL NAME and NUMBER: See attached list |
| 1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u> | | 9. API NUMBER: Attached |
| 2. NAME OF OPERATOR: Resolute Natural Resources Company <u>N2700</u> | | 10. FIELD AND POOL, OR WILDCAT: Greater Aneth |
| 3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202 | | PHONE NUMBER: (303) 534-4600 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u> | | COUNTY: <u>San Juan</u> |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ | | STATE: <u>UTAH</u> |

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

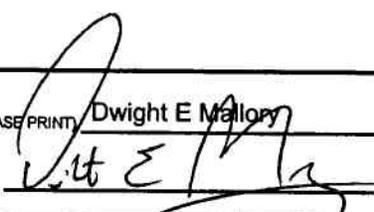
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|--|
| <input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARILY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____ | <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
Earlene Russell, Engineering Technician

RECEIVED
APR 24 2006

DIV. OF OIL, GAS & MINING

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

FORM 9

| | | |
|--|---|---|
| SUNDRY NOTICES AND REPORTS ON WELLS | | 5. LEASE DESIGNATION AND SERIAL NUMBER: |
| 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: Ship Rock |
| | | 7. UNIT or CA AGREEMENT NAME: UTU68931A |
| 1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u> | 8. WELL NAME and NUMBER: Ratherford | |
| 2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i> | | 9. API NUMBER: attached |
| 3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358 | PHONE NUMBER: (281) 654-1936 | 10. FIELD AND POOL, OR WILDCAT: Aneth |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: | | COUNTY: San Juan |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: | | STATE: UTAH |

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 (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u> | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) 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) Laurie Kilbride TITLE Permitting Supervisor

SIGNATURE *Laurie S. Kilbride* DATE 4/19/2006

(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)

RECEIVED
APR 21 2006

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 |