

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A, or operations suspended

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As changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

*7-14-64 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 10-6-58  
Disapproval Letter \_\_\_\_\_

COMPLETION DATA: Redrilled or repaired 9-6-60

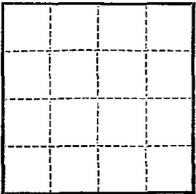
Date Well Completed 11-20-58 Location Inspected \_\_\_\_\_  
OW ✓ WW \_\_\_\_\_ TA \_\_\_\_\_ Bond released \_\_\_\_\_  
GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_ State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log 1-26-59  
Electric Logs (No. ) 3  
E \_\_\_\_\_ I \_\_\_\_\_ E-I 2 GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_  
Lat. \_\_\_\_\_ Mi-L 2 Sonic \_\_\_\_\_ Other Radioactivity

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-353

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Cortez, Colorado October 4, 1958

Desert "A"

Well No. 19 is located 2070 ft. from NS line and 810 ft. from E line of sec. 20

NE SE Sec. 20 41E 24E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

Ungraded ground

The elevation of the ~~ground floor~~ above sea level is 4793.5 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)

Drill 17-1/2" hole to approximately 160', set 160' of 13-3/8" conductor pipe and cement to surface. Drill 11" hole to approximately 1600', set 8-5/8" casing and cement to surface. Drill 7-7/8" hole to total depth of approximately 5950', run 5-1/2" casing and cement with approximately 250 ex. cement. Complete in Paradox formation.

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

Company Phillips Petroleum Company

Address P. O. Box 548

Cortez, Colorado

By C. M. Boies  
C. M. Boies  
District Superintendent

Title

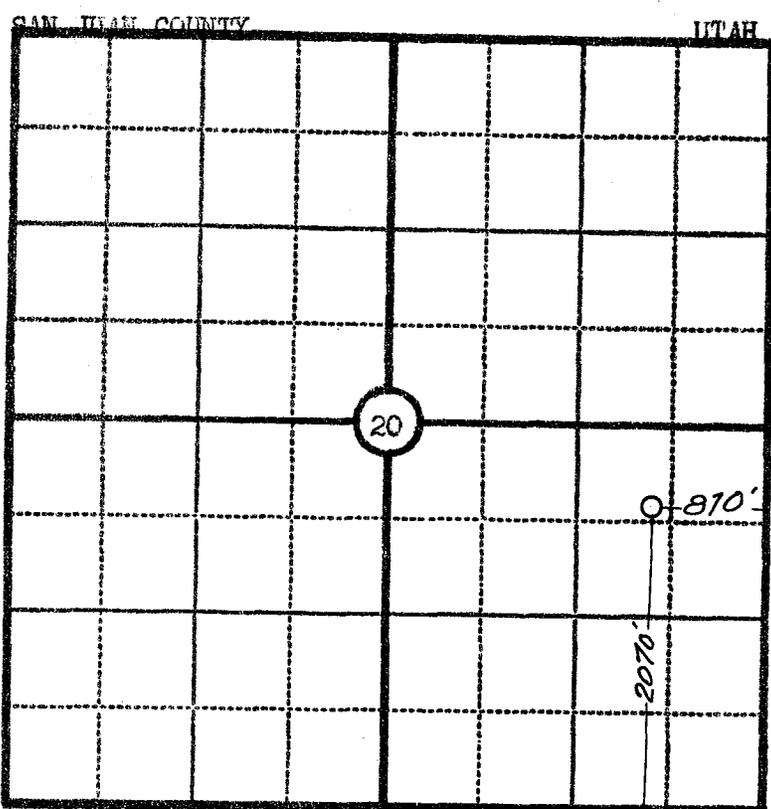
Company PHILLIPS PETROLEUM COMPANY

Lease DESERT "A" Well No. 19

Sec. 20, T. 41 S., R. 24 E., S. L. M.

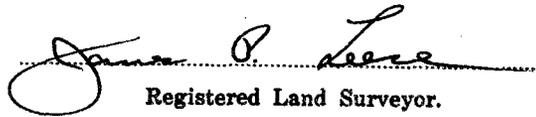
Location 2070' FROM THE SOUTH LINE AND 810' FROM THE EAST LINE.

Elevation 4793.5 UNGRADED GROUND.



Scale—4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

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

Surveyed ..... 13 September ..... 19 58.

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

October 5, 1958

Phillips Petroleum Company  
P. O. Box 348  
Cortez, Colorado

Attention: G. M. Beles, District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Desert A -19, which is to be located 2070 feet from the south line and 810 feet from the east line of Section 20, Township 41 South, Range 24 East, S14E1, San Juan County, Utah.

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

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
SECRETARY

CBF:cc

cc: Phil McGrath  
USGS, Farmington,  
New Mexico

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-353

7-14  
12-31


SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Cortez, Colorado December 3, 1958

Desert "A"

Well No. 19 is located 2070 ft. from SW line and 810 ft. from EW line of sec. 20

NE SE Sec 20

41S

24E

SLM

(¼ Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Ratherford

San Juan County

Utah

(Field)

(County or Subdivision)

(State or Territory)

ungraded ground

The elevation of the derrick floor above sea level is 4793.5 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 12 midnight 10/22/58. Drilled 11" hole and reamed to 17-1/2" hole to 175'. Set and cemented 4 jts 13-3/8" OD Armo SJ 27.1# casing at 175' w/175 sx reg cement, 2% calcium chloride. Pumped plug to 145' at 11:45 AM 10/24/58. Cement circulated. WOC 24 hrs and tested casing to 200# - 30 min. - o.k.

Drilled 11" hole to 1543'. Set and cemented 51 jts 8-5/8" OD 24# J-55 ST&C casing at 1541.87' w/390 sx reg cement, 126 sx Diacel "D", 620# calcium chloride, 165# Flocc, 660# tuff plug, followed w/125 sx cement on bottom. Pumped plug to 1507 at 6:30 PM 10/26/58. Filled annulus w/50 sx reg. cement, WOC 24 hrs. Tested csg to 750# for 30 min. tested o.k.

Drilled 7-7/8" hole to 5802. Ran Schlumberger Electric-Induction & Micro Logs. Set and cemented 143 jts 5-1/2" OD 14# and 15.5# J-55, ST&C casing at 5802.33 w/132 sx cement, 100 sx Diacel D, 496# Calcium chloride. Pumped plug to 5770' at 11:25 PM 11/12/58. WOC 24 hrs. Tested csg to 750# - 30 min. Tested o.k.

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

Company Phillips Petroleum Company

Box 548

Address Cortez, Colorado

By C. N. Bolan

C. N. Bolan

Title District Superintendent

W



**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from 0 feet to 5802 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

January 20, 1959 Put to producing November 20, 1958

The production for the first 24 hours was 1066 barrels of fluid of which 100% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. 220-1954

**EMPLOYEES**

Moran Bros., Inc., Driller \_\_\_\_\_, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
1537	2368	831	Chinle
2368	2456	98	Shinarump
2456	2535	79	Moenkopi
2536	2657	121	Cutler - Haskinini Equivalent
2657	2850	193	Cutler - De Chelly Member
2850	4589	1739	Cutler - Organ Rock Member
4589	5802	1213	Hermosa
5565	5802	237	Desert Creek (Paradox)
5802	5771	31	PBTD Top Cement Plug

(OVER)

*W*

\_\_\_\_\_

5-10-59

RECEIVED

\_\_\_\_\_

PRODUCTION RECORD

APPROVED FOR FILING

HISTORY OF OIL OR GAS WELL

10-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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

Spudded 12 midnight October 22, 1958. Drilled 11" hole and reamed to 17-1/2" hole to 175'. Set and cemented 4 jts 13-3/8" OD Armaco SM SJ 27.1# casing at 175' with 175 sacks regular cement, 2% calcium chloride. Pumped plug to 145' at 11:45 AM 10/24/58. Cement circulated. WOB 24 hours and tested casing to 200# for 30 minutes - tested o.k.

Drilled 11" hole to 1543'. Set and cemented 51 jts 8-5/8" OD 24# J-55 ST&C casing at 1541.87' with 330 sacks regular cement, 126 sacks Diacon "D", 620# calcium chloride, 165# Floccs, 660# tuff plug, followed with 125 sacks cement on bottom. Pumped plug to 1507' at 6:30 PM 10/26/58. Filled annulus with 50 sacks regular cement, waited on cement 24 hours. Tested casing to 750# for 30 minutes - o.k.

Drilled 7-7/8" hole to 5802'. Ran Schlumberger Electric-Induction and Micro Logs. Set and cemented 143 jts 5-1/2" OD 14# and 15.5# J-55 ST&C casing at 5802.33' with 132 sacks cement, 180 sacks Diacon "D", 496# calcium chloride. Pumped plug to 5770' at 11:25 PM 11/12/58. Waited on cement 24 hours. Tested casing to 750# for 30 minutes - tested o.k.

Ran Welox Gamma Ray Neutron Caller Locator Log to 5771'. Perforated 5-1/2" casing with 4 - 2" bullet holes per foot from 5570-5618, 5632-35, 5656-62, 5726-34. Ran 2-7/8" OD EUE tubing and set at 5750.60' with Baker EG Packer at 5457.67'. Dowell displaced water with 96 barrels of oil. Spotted acid on formation, set packer and acidized casing perforations with 6500 gallons Dowell regular 15% acid. Flushed with 36 barrels of oil. Maximum pressure 4200#, minimum pressure 3600#. Average treating rate 6.7 barrels per minute, average flush rate 6 BPM. Initial shut in pressure 3100#, 10 minute shut in pressure 2800#.

APPROVED FOR FILING

AWP State

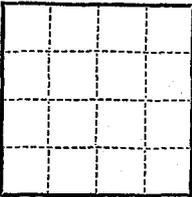
Form 9-331 b  
(April 1952)

Budget Bureau No. 42-R369.4  
Approval expires 12-31-60.

R.S.S.

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-353

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	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

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

Cortez, Colorado August 24, 1960

Desert "A"

Well No. 19 is located 2970 ft. from XI line and 210 ft. from E line of sec. 20

NE, SE, Sec. 20 41E 24E 31W  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

Ungraded ground

The elevation of the ~~water table~~ above sea level is 4793.5 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)

Full rods and tubing. Perforate the Ismay zone from 5545-55 (RA Log). Set retrievable bridge plug at 5565. Acidize with 2000 gallons 15% regular acid. Sumb test, re-run tubing and rods and produce Ismay and Desert Creek zones

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

Company Phillips Petroleum

Address Box 1150

Cortez, Colorado

By G. H. Dales

Title Dist. Supt.

*W. H. ...*

Form 9-331b  
(April 1962)


Budget Bureau No. 42-R359.4  
Approval expires 12-31-60.

*K.L.*

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-333

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	<input checked="" type="checkbox"/>
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)

Desert "A"

Cortez, Colorado September 19, 60

Well No. 19 is located 2070 ft. from NS line and 810 ft. from EW line of sec. 20  
NE, SE Sec. 20 41S 24E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Rutherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~desert floor~~ ungraded ground above sea level is 4793.5 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)

Moved in well service unit on August 29, 1960 and pulled rods and tubing, perforated Ismay zone 5548-58', set bridge plug and packer. On August 30, 1960 acidized Ismay perforations 5548-58' with 2000 gallons 15% regular acid, pulled bridge plug and packer, Reran pumping hookup.  
 Previous Production -- 8-25-60: Pumped 61 BO, 0 water in 24 hours at 9-54" SPH. GOR 897.  
 Present Production -- 9-6-60: Pumped 82 BO, 1 BW in 24 hours at 9-74" SPH. GOR 741. Producing from Ismay and Desert Creek formations, production commingled down hole.

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

Company Phillips Petroleum Company  
 Address P. O. Drawer 1150  
Cortez, Colorado  
 By *[Signature]*  
G. H. Sales  
Dist. Supt.  
 Title \_\_\_\_\_

*N*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*  
(Other instructions on reverse 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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-353</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>
3. ADDRESS OF OPERATOR <b>P. O. Drawer 1150, Cortez, Colorado</b>		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>2070' PSL, 810' FEL, NE NE Sec. 20</b>		8. FARM OR LEASE NAME <b>Rutherford Unit (#20-43)</b> 9. WELL NO. <b>20-43</b> (Formerly Phillips Desert A-19)
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4793.5 ungraded ground</b>	10. FIELD AND POOL, OR WILDCAT <b>Rutherford Field</b>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 20-41S-24E, SIM</b>
		12. COUNTY OR PARISH <b>San Juan Co.</b>
		13. STATE <b>Utah</b>

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

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

Kill well, pull rods and tubing. Run tubing work string with Baker Magnesium Bridge Plug and Retrievmatic Packer. Set Bridge Plug at 5564' and Packer at 5510'. Breakdown - mix 50 sacks cement and squeeze Ismay perforations at 5548-58 with holding pressure of 1500# maximum, 1000# minimum. Circulate out. Drill cement and bridge plug - circulate out to PBD 5771' using gelled water. Displace drilling fluid with clean water. Jet perforate Desert Creek 4 holes/ft. from 5694-5700', 5703-09', 5713-18'. Rerun work string with packer, set packer at 5563'. (5 ft. above squeezed perforations) and tail pipe at 5720'. Spot acid over new perforations and acidize with 2000 gallons regular 15% acid, 300 gallons Sol Block and 3000 gallons regular acid. Run 2-1/2" tubing with Marlex Liner and Baker Tension Packer at 5530' and convert to Water Injection Well.

Present Production. Test 2/9/64. 24 hrs PM. 45 BO, 39 MCF Gas, 1 BW.

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

SIGNED C. M. Boles TITLE C. M. Boles, Area Supt. DATE 3-6-64

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY: APPROVED BY UTAH OIL AND GAS CONSERVATION COMMISSION

\*See Instructions on Reverse Side DATE 5/9/64 by Paul M. Burchell

June 23, 1964

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

Attention: Mr. C. M. Boles, Area Superintendent

Re: Well No. Ratherford 19-21  
Sec. 19, T. 41 S., R. 24 E.,  
San Juan County, Utah

Well No. Ratherford 20-43  
Sec. 20, T. 41 S., R. 24 E.,  
San Juan County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report to Convert to Water Injection Well on the above mentioned wells are due and have not been filed with this Commission. We are enclosing forms for your convenience.

Thank you for your cooperation with respect to this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER  
RECORDS CLERK

KGW:bc

Enclosures - Forms



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

June 25, 1964

Utah Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah 84111

Attention: Kathy G. Warner, Records Clerk

Gentlemen:

Please refer to your letters of June 23rd and 24th in which you ask us to submit Subsequent Report to Convert to Water Injection on each of our Ratherford Unit Wells Nos. 19-21, 20-43, 9-23, and 10-23.

This is to advise that these wells have not as yet been completed, and are now in the process of workover. They should be completed as Water Injection wells within the next thirty days, and at that time we will file the Subsequent Reports on them and submit the necessary copies to your office.

Yours very truly,

PHILLIPS PETROLEUM COMPANY

C. M. Boles  
Area Superintendent

bh

orig 3 (opis Agw)



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 Ratherfore 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	<u>20W43</u>	7-14-64	158 BWPD	350#
13-44	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 TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-353

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 I-4192

2. NAME OF OPERATOR

Phillips Petroleum Company

8. FARM OR LEASE NAME

Rutherford Unit

3. ADDRESS OF OPERATOR

P. O. Drawer 1150, Cortez, Colorado 81321

9. WELL NO.

20W43

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

At surface

2070' FSL, 810' FEL, NE 3E Sec. 20

10. FIELD AND POOL, OR WILDCAT

Greater ANETH Aneth

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

Sec. 20-41S-24E, SIM

14. PERMIT NO.

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

4793.5 ungraded ground

12. COUNTY ~~DESERT~~ 13. STATE

San Juan Utah

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)

See below

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.)\*

Subsequent Report of Squeeze Ismay perfs from 5548-58', /perf. Desert Creek & convert to Wtr. Inj.

6-9-64 through 7-20-64: Set magnesium Bridge Plug at 5566', retrievmatic packer at 5510'. Squeezed Ismay perforations 5548-58'. Drilled cement and plug and cleaned out to PB 5771'. Could not pump into formation with 1200#. Perforated Desert Creek from 5570-5618, 5632-35 and 5656-62 with 2 jet shoes/foot. Acidized with 2000 gallons regular acid, 250 gallons Block, 2500 gallons regular acid. Ran 2 1/2" tubing with Driscopipe liner and Model A Packer, hooked well up for water injection. Started injecting water at 6:30 P.M. 7-14-64. Changed well classification from producing oil well to Water Injection Well and Well Number from 20-43 to 20W43 effective 7-14-64.

Previous Production from Greater Aneth - Paradox formation, Desert Creek and Ismay zones:

44 BOPD, 51 MCFOPD, 0 BHPD.

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

Injected 158 BW in 24 hours at 350#.

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

SIGNED

*C. M. Holes*  
C. M. Holes

TITLE

Area Superintendent

DATE

9-16-64

(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 TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection Well*</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-353</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>
3. ADDRESS OF OPERATOR <b>Drawer 1150, Cortez, Colorado 81321</b>		7. UNIT AGREEMENT NAME <b>SW-I-4192</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>2070' FBL, S10' FEL, NE, SE Sec. 20</b>		8. FARM OR LEASE NAME <b>Rutherford Unit</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4793.5' ungraded ground</b>	9. WELL NO. <b>20743</b>
		10. FIELD AND POOL, OR WILDCAT <b>Greater Anoth</b>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>20-413-24E, S.L.M.</b>
		12. COUNTY <del>ORANGE</del> <b>San Juan</b>
		13. STATE <b>Utah</b>

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

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

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

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

**Acidize Zone I with 8000 gallons 15% acid in two stages and return to water injection.**

**Previous Injection Rate: 86 BWPD at 1590'.**

18. I hereby certify that the foregoing is true and correct  
SIGNED C. M. Boles TITLE District Superintendent DATE 2-27-68  
(This space for Federal or State office use)

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

**Distribution:**  
Orig. & 2 cc: USGS, Box 959, Farmington, N.M.  
2 cc: Utah O&GCC, SLC, Utah \*See Instructions on Reverse Side  
1 cc: Bville  
1 cc: Denver  
1 cc: File

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN  
(Other instructions on reverse side)

Form approved  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SM-1-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

20143

10. FIELD AND POOL, OR WILDCAT

Greater Anoth

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

20-418-248, S.L.M.

12. COUNTY OF ~~Utah~~

San Juan

13. STATE

Utah

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

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

3. ADDRESS OF OPERATOR  
**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

**2070' FSL; 810' FSL; NE, SE Sec. 20**

14. PERMIT NO.

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

**4793.5' ungraded ground**

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

On April 26, 1968 pulled tubing and Marlex liner, cleaned out to 5771' TD, reran tubing with Baker Model AD packer, set at 5522', resumed injection. On June 20, 1968 acidized well with 6000 gallons 15% acid, 8000 gallons water flush and 500 gallons salt plug in two stages. Hooked back up and resumed injection.

Previous Injection Rate: 86 BWPD at 1590#.

Present Injection Rate: 300 BWPD at 1575#.

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

SIGNED G. H. Bolen

TITLE Dist. Supt.

DATE 7-5-68

(This space for Federal or State office use)

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

Orig. & 2 cc: USGS, Box 959, Farmington, N.M.

2 cc: Utah O&GCO, Salt Lake City

1 cc: Bville

1 cc: Denver

\*See Instructions on Reverse Side

1 cc: Superior; 1 cc - file

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  
Box 2920, Casper, Wyoming 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 2070' FSL & 810' 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:		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)

5. LEASE  
14-20-603-353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo

7. UNIT AGREEMENT NAME  
SW-1-4192

8. FARM OR LEASE NAME  
Ratherford Unit

9. WELL NO.  
20W43

10. FIELD OR WILDCAT NAME  
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 20-41S-24E

12. COUNTY OR PARISH | 13. STATE  
San Juan | Utah

14. API NO.  
43-037-16424

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4814' RKB

(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.)\*

Acidize R.U. Well #20W43 with 9,000 gals. 28% HCL to increase injection.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: 7-29-80

BY: M. J. Fisher

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

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

SIGNED M. J. Fisher TITLE Operations Supt. DATE July 17, 1980

(This space for Federal or State office use)

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

- 3 - USGS, Farmington, NM
- 2 - Utah O&G CC, Salt Lake City, UT
- 1 - Southland Royalty, Farmington, NM
- 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 Injector**

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: **2070' FSL & 810' FEL, NE SE**  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input checked="" 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) <input type="checkbox"/>	<input type="checkbox"/>

5. LEASE  
**14-20-603-353**

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

7. UNIT AGREEMENT NAME  
**SW-1-4192**

8. FARM OR LEASE NAME  
**Ratherford Unit**

9. WELL NO.  
**2070,3**

10. FIELD OR WILDCAT NAME  
**Greater Aneth**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 20-2418-R248**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

14. API NO.  
**43-037-1642**

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
**4814' RKB**

(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.)\*

**September 24 through October 21, 1980 -**

**Attempted acid job, developed communication between tbg and oag. Attempted to pull tbg, tbg parted. Successfully recovered parted tbg. Replaced tbg string. Acidized w/6000 gal 28% HCL and Returned to Injection 10/7/80 from Desert Creek Zone I Perfs 5570-5662' OA.**

**Injection Before - 20 BWPD at 2475 psi**  
**Injection After - 318 BWPD at 2,000 psi**

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

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

SIGNED D. J. Fisher TITLE Operations Supt. DATE January 22, 1981

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:  
3-USGS, Farmington, NM  
2-Head O&G CC, Salt Lake City, UT  
1-Superior Oil Company  
1-File

\*See Instructions on Reverse Side

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

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

IN THE MATTER OF THE APPLICATION OF  
PHILLIPS PETROLEUM COMPANY  
ADDRESS P.O. BOX 2920  
CASPER, WYOMING ZIP 82602  
INDIVIDUAL PARTNERSHIP  CORPORATION   
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
INJECT FLUID INTO THE 20W43 WELL  
SEC. 20 TWP. 41S RANGE 24E  
SAN JUAN COUNTY, UTAH

CAUSE NO. C-3(B)

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

APPLICATION

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

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

Lease Name <u>Ratherford Unit</u>	Well No. <u>20W43</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>20W43</u> Sec. <u>20</u> Twp. <u>41S</u> Rge. <u>24E</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 <u>Wingate 1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	State What <u>Oil &amp; Gas</u>	
Location of Injection Source(s) <u>Desert Creek Paradox I &amp; II San Juan River</u>	Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5567') San Juan River (Surface)</u>		
Geologic Name of Injection Zone <u>Desert Creek I</u>	Depth of Injection Interval <u>5570</u> to <u>5662</u>		
a. Top of the Perforated Interval: <u>5570</u>	b. Base of Fresh Water: <u>1550'</u>	c. Intervening Thickness (a minus b) <u>4020</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 <u>See Attachment #1</u>			
Injection Rates and Pressures Maximum <u>165 (12-82)</u> B/D <u>2500</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			
<u>Navajo Tribe, Minerals Dept., P.O. Box 146, Window Rock, AZ 86515</u>			
<u>Superior Oil, P.O. Box 4530, The Woodlands, TX 77380</u>			
<u>Texaco Inc., P.O. Box 2100, Denver, CO 80201</u>			
<u>Southland Royalty, 1000 Fort Worth Club Tower, Fort Worth, TX 76102</u>			

State of Wyoming

PHILLIPS PETROLEUM COMPANY

County of Natrona

Applicant

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

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

SEAL

My commission expires

DONALD L. HUDSON - Notary Public

County of Natrona

State of Wyoming

My Commission Expires Nov. 3, 1986

Notary Public in and for Natrona Co., Wyoming

(OVER)

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

**CASING AND TUBING DATA**

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	13-3/8	175	175	Surface	Returns
Intermediate	8-5/8	1542	800 cu ft	Surface	Returns
Production	5-1/2	5802	550 cu ft	4229	CALCULATED
Tubing	2-7/8	5428	Name - Type - Depth of Tubing Packer Baker Loc Set Pkr @ 5415		
PB Total Depth 5675		Geologic Name - Inj. Zone Desert Creek I		Depth - Top of Inj. Interval 5570	
				Depth - Base of Inj. Interval 5662	

(To be filed within 30 days after drilling is completed) 14-20-603-353

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

LEASE NO.

API NO. 43-037-16424

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

COUNTY San Juan SEC. 20 TWP. 41S RGE. 24E

COMPANY OPERATING Phillips Petroleum Company

OFFICE ADDRESS P.O. Box 2920

TOWN Casper STATE ZIP Wyoming 82602

FARM NAME \_\_\_\_\_ WELL NO. 20W43

DRILLING STARTED 10/23/58 DRILLING FINISHED 11/12/58

DATE OF FIRST PRODUCTION 11/20/58 COMPLETED 11/20/58

WELL LOCATED NE 1/4 SE 1/4  
2070 FT. FROM SW OF 1/4 SEC. & 810 FT. FROM NW OF 1/4 SEC.

ELEVATION BERRICK FLOOR 4814 GROUND 4802


Locate Well Correctly and Outline Lease

RKB

TYPE COMPLETION

Single Zone X

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

Comingled \_\_\_\_\_

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Desert Creek I	5570	5662			
Ismay	5548	5558	(squeezed)		

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
13-3/8	27.1	H-40	162	200	175		Surface
8-5/8	24	J-55	1540	750	800	cu ft	Surface
5-1/2	15.5	J-55	176				
	14	J-55	5647	750	550	cu ft.	4229

PBTD 5675 Baker Pkr (Loc Set) @ 5415

TOTAL DEPTH 5802

DEPTH

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	1	2	3
Desert Creek I			
SPACING & SPACING ORDER NO.	40 acre Cause #C-3(B)		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	5570-5618 5632-35		
INTERVALS	5656-62		
ACIDIZED?	10-21-80 6000 gal 28% HCl acid		
FRACTURE TREATED?	No		

INITIAL TEST DATA

Converted to Injector 7-14-64

Date	7-14-64		
Oil, bbl./day	--		
Oil Gravity	--		
Gas, Cu. Ft./day	--	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	--		
Water-Bbl./day	158		
Pumping or Flowing	Pumping		
CHOKE SIZE	--		
FLOW TUBING PRESSURE	350		

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 \_\_\_\_\_ 19 83

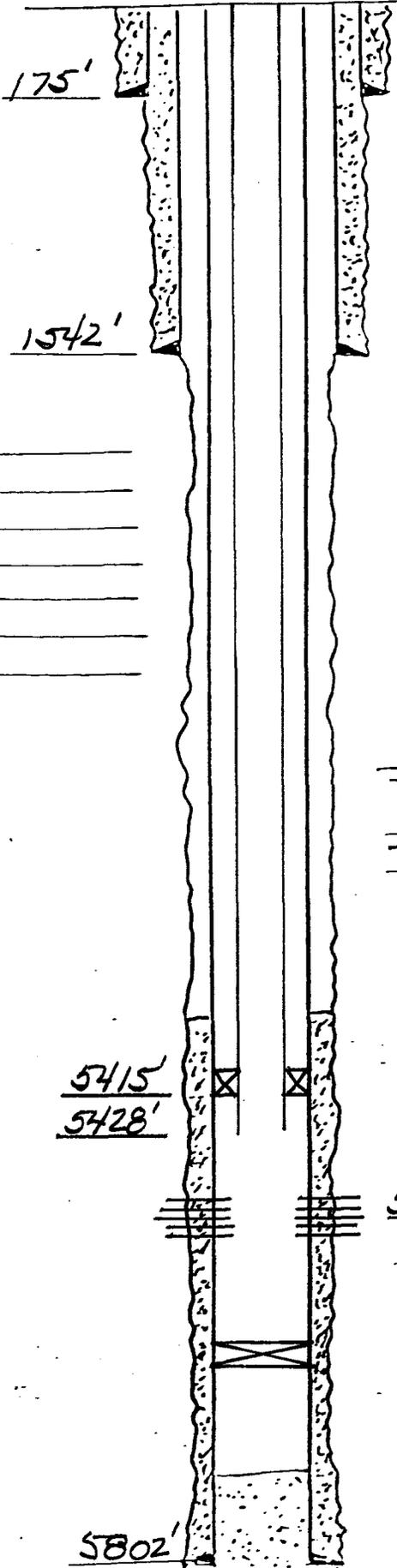
SEP 22 '83

Casper

WELL: 20W43  
LOCATION: NESE Sec 20-T41S-R24E  
FIELD: GREATER ANETH  
RESERVOIR: Desert Creek I

COMPLETION: 7.14.64  
PRESENT STATUS: W.I.

RKB 4814'  
GL 4802'



SURFACE CASING: 1 3/8" 27.1#  
H-40

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

PRODUCTION CASING: 5 1/2" : 15.5#  
J-55 176', 14# J-55 5647'

PERFORATIONS:  
5570-5618  
5632-35  
5656-62

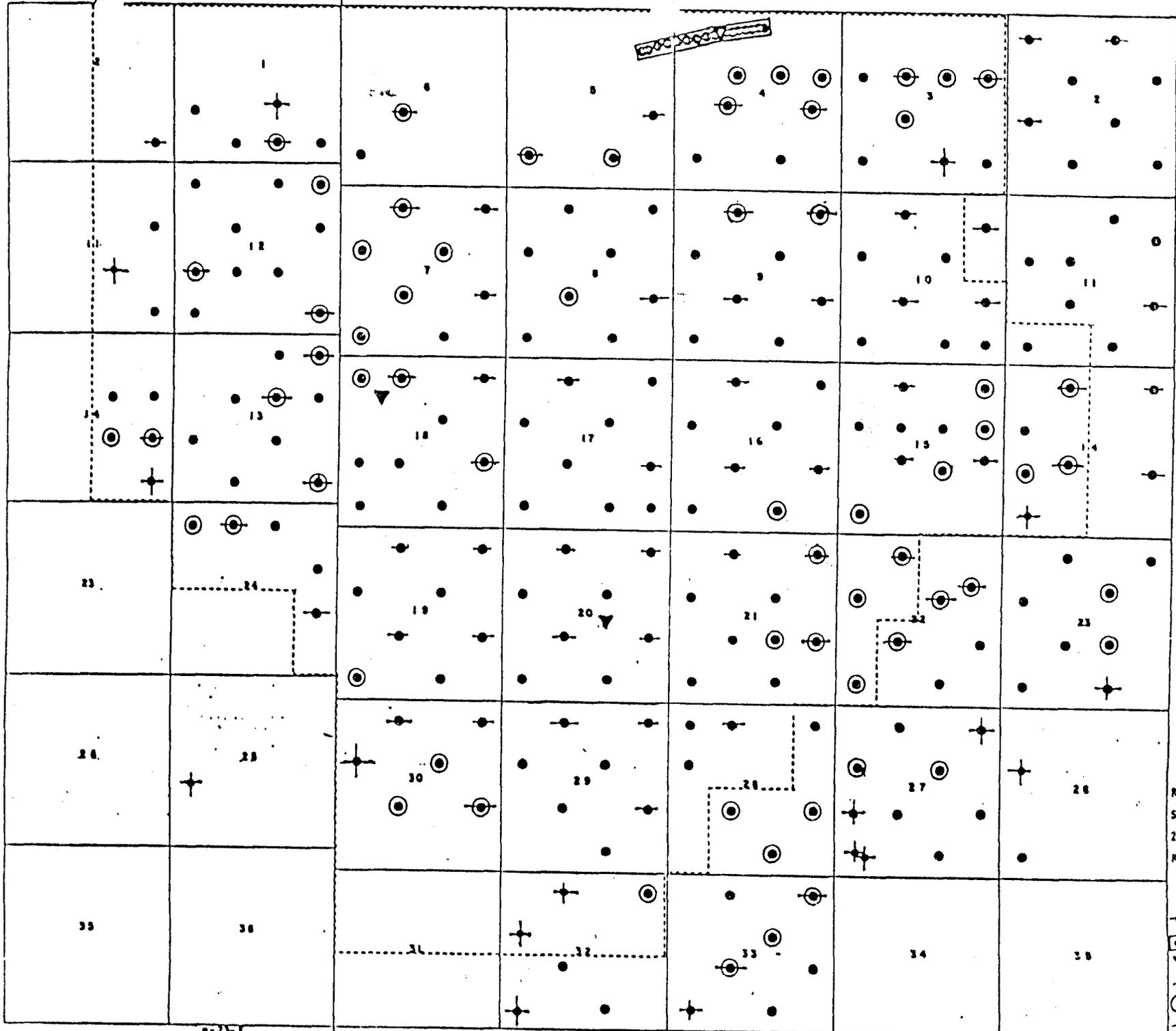
PACKER: Baker Loc-set  
Pkr @ 5415'  
Tubing : 2 7/8 @ 5428'

PBTD: 5675'  
OTD: 5802'

Phillips Petroleum Company

R-23-E

R-24-E



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

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

4-7



Water Injection Well

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

WATER ANALYSIS REPORT

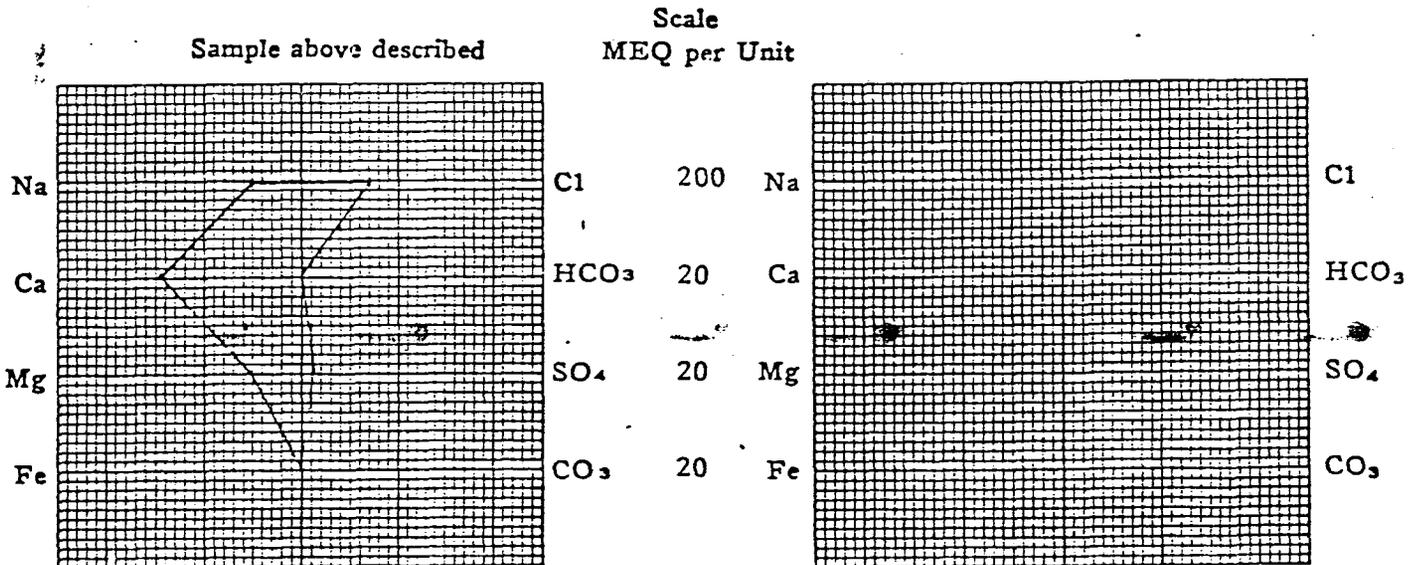
OPERATOR Phillips Petroleum Co. DATE 5-27-83 LAB NO. W30480  
 WELL NO. Rutherford Unit LOCATION \_\_\_\_\_  
 FIELD \_\_\_\_\_ FORMATION \_\_\_\_\_  
 COUNTY San Juan INTERVAL \_\_\_\_\_  
 STATE Utah SAMPLE FROM \_\_\_\_\_

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

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

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

WATER ANALYSIS PATTERN



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

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips Well No. Rutherford Unit 20W43  
 County: San Juan T 415 R 245 Sec. 20 API# 43-037-16424  
 New Well  Conversion  Disposal Well  Enhanced Recovery Well

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

Analysis of Injection Fluid	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	TDS <u>85655</u>
Analysis of Water in Formation to be injected into	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	TDS <u>103637</u>
Known USDW in area	<u>Wingate</u>	Depth <u>1550</u>	
Number of wells in area of review	<u>8</u>	Prcd. <u>5</u>	P&A <u>0</u>
	Water <u>1</u>	Inj. <u>2</u>	
Aquifer Exemption	Yes <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Mechanical Integrity Test	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
	Date _____	Type _____	

Comments: To C 4229

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Reviewed by: CBJ

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

OPERATOR: Phillips Petroleum Company

FIELD: Greater Aneth LEASE: Rutherford Unit

WELL # 20W43 SEC. 20 TOWNSHIP 41S RANGE 24E

STATE (FED.) FEE DEPTH 5675 TYPE WELL INJW MAX. INJ. PRESS. 2500 psi

TEST DATE 6/18/46

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>13<sup>3</sup>/<sub>8</sub></u>	<u>175</u>	<u>175</u>			
<u>INTERMEDIATE</u>	<u>8<sup>5</sup>/<sub>8</sub></u>	<u>1542</u>	<u>800ft<sup>3</sup></u>			
<u>PRODUCTION</u>	<u>5<sup>1</sup>/<sub>2</sub></u>	<u>5802</u>	<u>550ft<sup>3</sup></u>	<u>1520</u>	<u>Flowed water</u>	<u>OK - check soon</u>
<u>TUBING</u>	<u>2<sup>7</sup>/<sub>8</sub></u>	<u>5428</u>		<u>2620</u>	<u>Baker Loc-Set Pkr at 5415</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  
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 Injector

2. NAME OF OPERATOR  
Phillips Oil 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: 2070' FSL & 810' FEL, NE SE  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input checked="" 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)			

5. LEASE  
14-20-603-353

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.  
20W43

10. FIELD OR WILDCAT NAME  
Greater Aneth

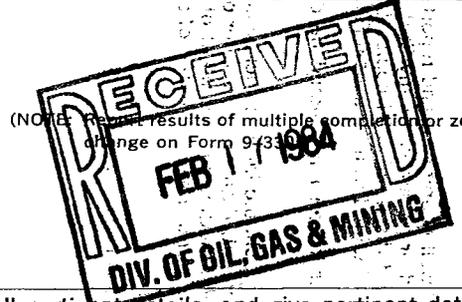
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 20-T41S-R24E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

14. API NO.  
43-037-16424

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4814' RKB



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.)\*

MI WS Unit 1/9/84 to determine cause of annulus pressure and the condition of csg at perforated intervals.

RU power swivel. Drld scale & fill to 5543'. On metal at 5543'. Returns - scale, fill, metal & shale. WIH, tag top of fish at 5543'. COOH w/bit & scraper. PU 4-3/4" impression block. WIH, set down on fish. COOH w/impression block, sharp points on 1/2 area. RU McCullough. WIH w/csg caliper & csg inspection tool. Logged from 5543' to surface. Log indicated split 5543-5506' and possible hole at 5456'. WIH w/tbg tester. With pkr at four different settings, 1000 psi on backside. WIH w/2-7/8" Duoline Tbg Open-ended. Released WS Unit 1/13/84. Shut well in, waiting on approval to repair collapsed csg..

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 February 14, 1984

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

- 4 - BLM, Farmington, NM
- 2 - UT O&G CC, Salt Lake City, UT
- 1 - The Navajo Nation, Window Rock, AZ
- 1 - Superior Oil Co., The Woodlands, TX
- 1 - File, RC

COMMENTS: [Illegible vertical text]

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Water Injection Well		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-353
2. NAME OF OPERATOR Phillips Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 2920 Casper, WY 82602		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 2070' FSL & 810' FEL, NE SE		8. FARM OR LEASE NAME Ratherford Unit
14. PERMIT NO. 43-037-16424		9. WELL NO. 20W43
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4814' RKB		10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20-T41S-R24E
		12. COUNTY OR PARISH San Juan
		18. STATE Utah

RECEIVED  
SEP 4 1984  
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 checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input checked="" type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Other) _____

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

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

Repair collapsed casing and set liner (260' 4" 11.6# FL4S casing) from 5400'-5660'. Cement liner with 30 sx (est.) of Class B cement. Perforate Desert Creek Zone I (5570' -5618') w/2 SPF. Acidize with 7500 gallons 28% HCL. Return to water injection.

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

SIGNED A. E. Stuart TITLE Area Manager DATE August 29, 1984

(This space for Federal or State office use)

APPROVED BY Adamson TITLE W/C Manager DATE 9/10/84

CONDITIONS OF APPROVAL, IF ANY:  
 5-BLM Farmington, NM  
 2-Utah O&GCC, Salt Lake City  
 1- J. R. Weichbrodt  
 1- P. Adamson  
 1- B. Conner, 9P TWR, B'ville  
 1-file\*See Instructions on Reverse Side

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

SUBMIT IN TRIPlicate  
(Other instructions on reverse side)

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> Water Injection		5. <b>LEASE DESIGNATION AND SERIAL NO.</b> 14-20-603-353	
2. <b>NAME OF OPERATOR</b> Phillips Oil Company		6. <b>IF INDIAN, ALLOTTEE OR TRIBE NAME</b> Navajo	
3. <b>ADDRESS OF OPERATOR</b> P. O. Box 2920, Casper, Wyoming 82602		7. <b>UNIT ASSIGNMENT NAME</b> SW-I-4192	
4. <b>LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2070' FSL & 810' FEL, NE SE		8. <b>FARM OR LEASE NAME</b> Ratherford Unit	
API #43-037-16424		9. <b>WELL NO.</b> #20W43	
14. <b>PERMIT NO.</b>	15. <b>ELEVATIONS</b> (Show whether DF, ST, OR, etc.) 4814' RKB	10. <b>FIELD AND POOL, OR WILDCAT</b> Greater Aneth	
		11. <b>SEC., T., R., N., OR BLK. AND SUBST OR AREA</b> Sec. 20-T41S-R24E	
		12. <b>COUNTY OR PARISH</b> San Juan	13. <b>STATE</b> Utah

**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 checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <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 ACIDISING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

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

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)  
December 12, 1984 through January 15, 1985

Located and repaired collapsed csg at 5543'. Ran and set 4" Liner from 5369-5693' RKB. Cmtd w/10.5 bbls Class "H" w/0.8% D127 Flac. Tagged cmt at 5632', drld out to 5643' New PBTD. Pressure csg to test liner to 3000 psi, hold 15 min, OK. Perforated using 2-1/2" HSC Gun. .37" dia hole, 0 deg phasing, 2 JSPF, from 5570-5618', 96 shots - 1 shot did not fire (6.9' from btm), total 95 shots. Bottom 13 shots (5.5') shot thru csg gun, not caps. Acidized w/343 bbls 28% Acid w/additives. Returned to Injection at 4:00 pm, 12/31/84 from Zone I Perfs 5570-5618'.

Injection Rate Before Workover - Shut-in 9/8/83, Collapsed Casing  
Injection Rate After Workover - 403 BWPD at 2450 psi.

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

SIGNED A. E. Stuart TITLE Area Manager DATE May 13, 1985

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

- CONDITIONS OF APPROVAL, IF ANY:
- 4 - BLM, Farmington, NM
  - 2 - Utah O&G CC, Salt Lake City, UT
  - 1 - B. A. Conner, B'Ville
  - 1 - R. M. Coffelt r) P. Bertuzzi, Denver
  - 1 - File RC

\*See Instructions on Reverse Side

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

# DOWN HOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 20W43

LOCATION NE SE Sec. 20

RKB Elev. 4814'

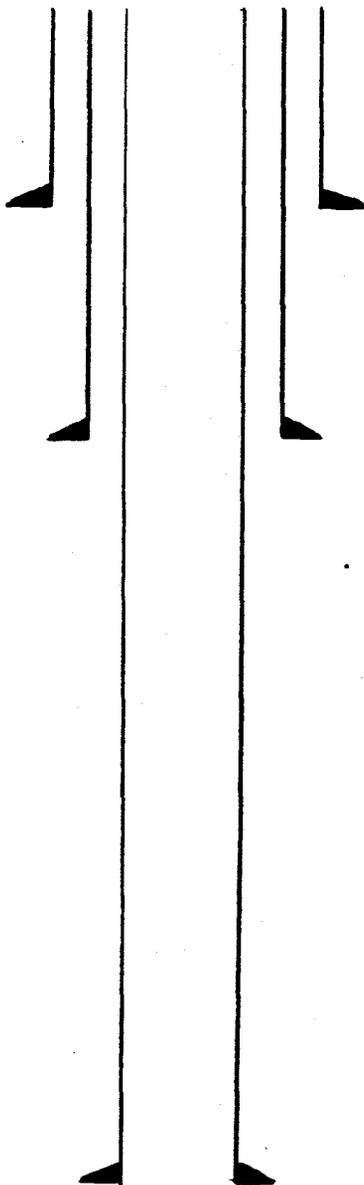
T41S-R24E

GL Elev. 4802'

Well Drld 11/12/58

RKB Above GL' 12'

Well converted to injector / /



CONDUCTOR Csg 13<sup>3</sup>/<sub>8</sub> @ 175'

SURFACE Csg. 8<sup>5</sup>/<sub>8</sub> @ 1542'

TOC 3500' CALL.

Tubing 2<sup>7</sup>/<sub>8</sub> @ 5750' Rice Outline

PACKER BAKER LOC-SET PKR.

@ 5457

PERFS 5570 - 5618 \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

PBTD 5643'

Also 4" liner 5369-5643

PRODUCTION Csg. 5<sup>1</sup>/<sub>2</sub> @ 5802

J-55, 14#, 15.5#

All Perfs Zone I unless noted

42 381 50 SHEETS 5 SQUARE  
42 382 100 SHEETS 5 SQUARE  
42 389 200 SHEETS 5 SQUARE



# Mobil Oil Corporation

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

May 14, 1986

RECEIVED  
MAY 16 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

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<p>1. <input type="checkbox"/> OIL WELL    <input type="checkbox"/> GAS WELL    <input type="checkbox"/> OTHER    WATER INJECTION &amp; WATER SUPPLY WELLS</p> <p>2. NAME OF OPERATOR PHILLIPS PETROLEUM COMPANY</p> <p>3. ADDRESS OF OPERATOR 152 N. DURBIN, 2ND FLOOR, CASPER, WYOMING 82601</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  SEE ATTACHED</p>		<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME  SW-I-4192</p> <p>7. UNIT AGREEMENT NAME RATHERFORD UNIT #7960041920</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. VARIOUS (see attached)</p> <p>10. FIELD AND POOL, OR WILDCAT GREATER ANETH</p> <p>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sections 1 thru 30 T41S - R23E &amp; 24E</p> <p>12. COUNTY OR PARISH    13. STATE San Juan                      Utah</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DP, ST, CR, etc.) OIL, GAS &amp; MINING MAR 20 1989</p>	

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

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

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

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

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

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

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

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

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

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

5. LEASE DESIGNATION AND SERIAL NO

14-20-603-353

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.

20W43

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. #20-T41S-R24E

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

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 1150, Cortez, CO 81321

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

At surface

2070' FSL 810' FEL

14. PERMIT NO.

43-037-16424

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

4814 GL

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

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

September 1, 1988 thru September 9, 1988

MI, RU Well Service unit. Release seal assembly & POOH. RIH w/treating packer, set packer at 5500'. Acidize well with 3000 gal. gelled 28% HCl acid. RIH w/ injection tubing & packer, set packer at 5510'. Pressure test casing to 1080 psi, lost 30 psi in 15 min. UIC test OK. Return well to injection. Release rig 9/9/88.

Injection Before: 143 @ 2500 psi  
Injection After: 230 @ 2450 psi

- 5-BLM, Farmington, NM
- 2-Utah O&G CC
- 1-M. Williams, Bartlesville
- 1-S. H. Oden, Casper
- 1-Chieftain
- 1-Mobil Oil
- 1-Texaco, Inc.
- 1-Chevron, USA
- 1-Cortez Office - RC

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

SIGNED M. L. Manghin

TITLE DIST. SUPT.

DATE 4/27/89

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

14-20-603-353

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

Ratherford Unit  
SW-I-4192

8. Well Name and No.

Ratherford Unit #20W43

9. API Well No.

43-037-16424

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other Injection

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

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

Unit I, 2070' FSL & 810' FEL  
Sec. 20, T41S, R24E

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

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

1-2-92 thru 1-7-92

MI & RU MWS #31. Flowed down well. ND WH & NU BOP. COOH w/injection equipment. Cleaned well out to PBD 5645'. Circulated well clean. LD work string. Tested inj. tbg to 3000 psi - okay. Set pkr @ 5503'. Tested annulus to 1000 psi - okay. Disengaged on/off tool. Pmpd 110 bbls wtr w/27 gal WA-840 for pkr fluid. ND BOP & NU WH. Performed MIT test for 45 min. @ 1080 psi - okay. Flushed inj. line. Expelled tbg test plug and returned well to injection.

RECEIVED

JAN 17 1992

DIVISION OF  
OIL GAS & MINING

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

Signed [Signature]  
Robinson

Title Sr. Drlg. & Prod. Engr.

Date 1-9-92

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

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

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

SUBMIT IN TRIPLICATE

SEP 20 1993

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other INJECTION WELL	DIVISION OF OIL, GAS & MINING	5. Lease Designation and Serial No. 14-20-603-353
2. Name of Operator MOBIL EXPLORATION & PRODUCING US AS AGENT FOR MPTM/MEPNA		6. If Indian, Allottee or Tribe Name NAVAJO TRIBAL
3. Address and Telephone No. P O BOX 633 MIDLAND, TX 79702 (915) 688-2585		7. If Unit or CA, Agreement Designation RATHERFORD UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2070 FSL 810 FEL SEC.20, T41S, R24E		8. Well Name and No. 20W-43
		9. API Well No. 64-037-16424
		10. Field and Pool, or Exploratory Area GREATER ANETH
		11. County or Parish, State SAN JUAN, UT

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

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

8-31-93 MIRU NU BOP  
 9-01-93 POOH W/PKR & 2 3/8 TBG  
 9-02-93 PERF 4 IN LINER 5645 - 5631, 5629 - 5592 W/4 SPF. PKR SET AT 5452. RIH W/BIT DRILL 5645-5648  
 TIH W/ MILL, CLEAN OUT F/5648 TO 5650. DRILL NEW PBTD OF 5666' AND CIRC. HOLE CLEAN  
 9-06-93 PERF 4 IN LINER 5640 - 5654 W/4 JSPF. SET PKR AT 5452. ACIDIZE PERFS 5592 - 5654 5000 GAL 15% +  
 1000# SALT DIVERTER IN GEL.  
 9-07-93 TEST CSG 1000#/OK/CIRC. RDMO.

14. I hereby certify that the foregoing is true and correct  
 Signed Shirley Todd SHIRLEY TODD Title ENV. & REG TECHNICIAN Date 9-14-93

(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.

# MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*L. B. Sheffield*  
 BRIAN BERRY  
~~M. E. P. N. A. MOBIL~~  
 POB 219031-1807A RENTWRT. O. DRAWER 6  
 DALLAS TX 75221-9031 CORTEZ, Co. 81321

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT  (Highlight Changes)

*\*931006 updated. Joe*

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. Mobil ~~also~~ 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.

Name and Signature: *L. B. Sheffield*

Date: *9/5/93*

Telephone Number: *303.565.2212 / 214.658.2528*

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

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

**RECEIVED**

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MINING

AMENDED REPORT  (Highlight Changes)

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

*USMA*  
*5-18-93*

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

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

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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN ALLOTTEE OR TRIBE NAME

NAVAJO TRIBAL

1. OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME

RATHERFORD UNIT

2. NAME OF OPERATOR

MOBIL OIL CORPORATION

8. FARM OR LEASE NAME

3. ADDRESS OF OPERATOR

P. O. BOX 633 MIDLAND, TX 79702

9. WELL NO.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.  
At surface

At proposed prod. zone

10. FIELD AND POOL OR WILDCAT

GREATER ANETH

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

DIVISION OF OIL, GAS & MINING

14. API NO.

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

12. COUNTY  
SAN JUAN

13. STATE  
UTAH

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

NOTICE OF INTENTION TO:

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

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

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/>	
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

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

\* Must be accompanied by a cement verification report.

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

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

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

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

Here is copy of Rutherford Unit  
Successor Operator,

4 pages including this one.

*File Rutherford Unit (GC)*

RECEIVED  
BLM

JUL 27 11:44

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

070 FARMINGTON, NM

ARES/543

JUL 28 1993

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

MINERAL	
NO. 199	
DATE	
BY	
REMARKS	
FILE	
ALL SUPV.	
FILE	

Dear Mr. Cox:

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

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

Sincerely,

ACTING Area Director

Enclosure

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

RECEIVED  
BLM

DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Rutherford Unit, <sup>070 27 011:44</sup>

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

070 FARMINGTON, NM

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

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

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

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

Attached hereto as Exhibit "A"

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

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

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

Attached is the appropriate documentation relevant to this document.

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

Phillips Petroleum Company

June 17, 1993

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

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

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

[Signature]  
APPROVED BY

ACTING AREA DIRECTOR  
TITLE

7/9/93  
DATE

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

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

EXHIBIT "A"

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

EXHIBIT "C"

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

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M. San Juan County, Utah	14-20-603-246-A 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

Division of Oil, Gas and Mining  
**PHONE CONVERSATION DOCUMENTATION FORM**

Route original/copy to:

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

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

Other  
**OPERATOR CHANGE**

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

2. DOGM Employee (name) L. CORDOVA (Initiated Call   
Talked to:  
Name GLEN COX (Initiated Call  - Phone No. (915) 688-2114  
of (Company/Organization) MOBIL

3. Topic of Conversation: OPERATOR CHANGE FROM PHILLIPS TO MOBIL "RATHERFORD UNIT".  
(NEED TO CONFIRM HOW OPERATOR WANTS THE WELLS SET UP - MEPNA AS PER BIA APPROVAL  
OR MOBIL OIL CORPORATION AS PER SUNDRY DATED 9-8-93?)

4. Highlights of Conversation: \_\_\_\_\_  
MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS  
PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW  
BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.  
MEPNA-  
PO DRAWER G  
CORTEZ, CO 81321  
(303)565-2212  
\*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY  
REPORTED OUT OF DALLAS (MCELMO CREEK).

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

OCT 23 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

OIL GAS & MINING

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 HCC Manager

Approval Date 10-27-93

Lisha Cordova (801) 538-5340

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:	E/2	Section 14:	E/2
Section 11:	E/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:	NW/4 and E/2 of the SW/4
Section 10:	S/2 and NE/4 and W/2 of NE/4	Section 23:	E/4 and W/2 of NE/4 and W/2 of SW/4
Section 11:	S/2 of SW/4	Section 29 and 30:	All
Section 14:	W/2	Section 31:	N/2
		Section 32:	E/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 Ratherford 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 Ratherford 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 Ratherford 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 Ratherford Unit Area under the Ratherford 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 Ratherford Unit Agreement becomes effective and operative.

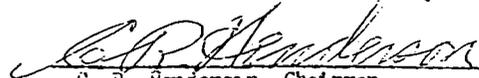
3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

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.

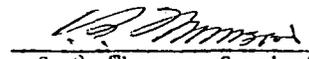
Dated this 13th day of September, 1961.

THE OIL AND GAS CONSERVATION  
COMMISSION OF THE STATE OF UTAH

  
Edward W. Clyde, Commissioner, presiding

  
C. R. Henderson, Chairman

  
M. V. Hatch, Commissioner

  
C. S. Thomson, Commissioner

\_\_\_\_\_  
Walter G. Mann, Commissioner

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

Routing:

1	VLC/117-93
2	DT3758-1118
3	VLC
4	RJF
5	JFC
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) M E P N A  
 (address) PO DRAWER G  
CORTEZ, CO 81321  
GLEN COX (915)688-2114  
 phone (303)565-2212  
 account no. N7370

FROM (former operator) PHILLIPS PETROLEUM COMPANY  
 (address) 5525 HWY 64 NBU 3004  
FARMINGTON, NM 87401  
PAT KONKEL  
 phone (505)599-3452  
 account no. N0772(A)

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

Name: <b>**SEE ATTACHED**</b>	API: <u>43-037-16424</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**

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

**BOND VERIFICATION (Fee wells only)**

- lec / N/A 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.   
 *DCS 11-10-93*
- 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: 11-17 1993 .

**FILING**

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

**COMMENTS**

931006 BIA/Btm Approved 7-9-93.

✓ 19W-21	43-037-15741	14-20-603-353	SEC. 19, T41S, R24E	NE/NW 660' FNL 1860' FWL
✓ 19-22	43-037-31046	14-20-603-353	SEC. 19, T41S, R24E	SE/NW 1840' FNL; 1980' FWL
✓ 19W-23	43-037-15742	14-20-603-353	SEC. 19, T41S, R24E	NE/SW 2080' FSL; 1860' FWL
✓ 19-31	43-037-31047	14-20-603-353	SEC. 19, T41S, R24E	NW/NE 510' FNL; 1980' FEL
✓ 19-32	43-037-15743	14-20-603-353	SEC. 19, T41S, R24E	SW/NE 1980' FNL; 1980' FEL
✓ 19-33	43-037-31048	14-20-603-353	SEC. 19, T41S, R24E	NW/SE 1980' FSL; 1980' FEL
✓ 19-34	43-037-15744	14-20-603-353	SEC. 19, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓ 19W-41	43-037-15745	14-20-603-353	SEC. 19, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 19-42	43-037-30916	14-20-603-353	SEC. 19, T41S, R24E	SE/NE 1880' FNL, 660' FEL
✓ 19W-43	43-037-16420	14-20-603-353	SEC. 19, T41S, R24E	NE/SE 1980' FSL; 760' FEL
✓ 19-44	43-037-31081	14-20-603-353	SEC. 19, T41S, R24E	SE/SE 660' FSL; 660' FEL
✓ 19-97	43-037-31596	14-20-603-353	SEC. 19, T41S, R24E	2562' FNL, 30' FEL
✓ 20-11	43-037-31049	14-20-603-353	SEC. 20, T41S, R24E	NW/NW 500' FNL; 660' FWL
✓ 20-12	43-037-15746	14-20-603-353	SEC. 20, T41S, R24E	1980' FNL, 660' FWL
✓ 20-13	43-037-30917	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2140' FSL, 500' FWL
✓ 20-14	43-037-15747	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 660' FWL
✓ 20W-21	43-037-16423	14-20-603-353	SEC. 20, T41S, R24E	660' FNL; 1880' FWL
✓ 20-22	43-037-30930	14-20-603-353	SEC. 20, T41S, R24E	SE/NW 2020' FNL; 2090' FWL
✓ 20W-23	43-037-15748	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2080; 2120' FWL
✓ 20-24	43-037-30918	14-20-603-353	SEC. 20, T41S, R24E	SE/SW 820' FSL; 1820' FWL
✓ 20-31	43-037-31050	14-20-603-353	SEC. 20, T41S, R24E	NW/NE 660' FNL; 1880' FEL
✓ 20-32	43-037-15749	14-20-603-353	SEC. 20, T41S, R24E	SW/NE 1980' FNL, 1980' FEL
✓ 20-33	43-037-30931	14-20-603-353	SEC. 20, T41S, R24E	NW/SE 1910' FSL; 2140' FEL
✓ 20-34	43-037-15750	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 1850' FEL
✓ 20W-41	43-037-15751	14-20-603-353	SEC. 20, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 20-42	43-037-31051	14-20-603-353	SEC. 20, T41S, R24E	SE/NE 1980' FNL; 660' FEL
* 20W-43	43-037-16424	14-20-603-353	SEC. 20, T41S, R24E	2070' FSL; 810' FEL
✓ 20-44	43-037-30915	14-20-603-353	SEC. 20, T41S, R24E	SE/SE 620' FSL; 760' FEL
✓ 20-66	43-037-31592	14-20-603-353	SEC. 20, T41S, R24E	SW/NW 1221' FWL; 1369' FNL
✓ 21-11	43-037-31052	14-20-603-355	SEC. 21, T41S, R24E	NW/NW 660' FNL; 660' FWL
✓ 21-12	43-037-15752	14-20-603-355	SEC. 21, T41S, R24E	2080' FNL; 660' FWL
✓ 21-13	43-037-30921	14-20-603-355	SEC. 21, T41S, R24E	NW/SW 2030' FSL; 515' FWL
✓ 21-14	43-037-15753	14-20-603-355	SEC. 21, T41S, R24E	SW/SW 660' FSL; 460' FWL
✓ 21W-21	43-037-16425	14-20-603-355	SEC. 21, T41S, R24E	NE/NW 660' FNL; 2030' FWL
✓ 21-32	43-037-15755	14-20-603-355	SEC. 21, T41S, R24E	SW/NE 1880' FNL; 1980' FEL
✓ 21-33	NA	14-20-603-355	SEC. 21, T41S, R24E	2000' FSL; 1860' FEL
✓ 21-34	43-037-15756	14-20-603-355	SEC. 21, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓ 21W-41	43-037-16426	14-20-603-355	SEC. 21, T41S, R24E	660' FNL; 810' FEL
✓ 21W-43	43-037-16427	14-20-603-355	SEC. 21, T41S, R24E	NE/NE 1980' FSL; 660' FEL
✓ 24-11	43-037-15861	14-20-603-247A	SEC. 24, T41S, R24E	510' FNL; 810' FWL
✓ 24W-21	43-037-16429	14-20-603-247	SEC. 24, T41S, R24E	4695' FSL; 3300' FEL
✓ 24W-43	43-037-16430	14-20-603-247	SEC. 24, T41S, R24E	2080' FSL; 660' FEL
✓ 24-31W	43-037-15862	14-20-603-247A	SEC. 24, T41S, R24E	NW/NE 560' FNL; 1830' FEL
✓ 24-32	43-037-31593	14-20-603-247A	SEC. 24, T41S, R24E	SW/NE 2121' FNL; 1846' FEL
✓ 24-41	43-037-31132	14-20-603-247A	SEC. 24, T41S, R24E	NE/NE 660' FNL; 710' FEL
✓ 24W-42	43-037-15863	14-20-603-247A	SEC. 24, T41S, R24E	660' FSL; 1980' FNL
✓ 28-11	43-037-30446	14-20-603-409	SEC. 28, T41S, R24E	NW/NW 520' FNL; 620' FWL
✓ 28-12	43-037-15336	14-20-603-409B	SEC. 28, T41S, R24E	SW/SE/NW 2121' FNL; 623' FWL
✓ 29-11	43-037-31053	14-20-603-407	SEC. 29, T41S, R24E	NW/NW 770' FNL; 585' FWL
✓ 29W-21	43-037-16432	14-20-603-407	SEC. 29, T41S, R24E	NE/NW 667' FNL; 2122' FWL
✓ 29-22	43-037-31082	14-20-603-407	SEC. 29, T41S, R24E	SE/NW 2130' FNL; 1370' FWL
✓ 29W-23	43-037-15338	14-20-603-407	SEC. 29, T41S, R24E	NE/SW 1846' FSL; 1832' FWL
✓ 29-31	43-037-30914	14-20-603-407	SEC. 29, T41S, R24E	NW/NE 700' FNL; 2140' FEL
✓ 29-32	43-037-15339	14-20-603-407	SEC. 29, T41S, R24E	1951' FNL; 1755' FEL
✓ 29-33	43-037-30932	14-20-603-407	SEC. 29, T41S, R24E	NW/SE 1860' FSL; 1820' FEL
✓ 29-34	43-037-15340	14-20-603-407	SEC. 29, T41S, R24E	817' FSL; 2096' FEL
✓ 29W-41	43-037-16433	14-20-603-407	SEC. 29, T41S, R24E	557' FNL; 591' FEL
✓ 29W-42	43-037-30937	14-20-603-407	SEC. 29, T41S, R24E	SE/NE 1850' FNL; 660' FEL
✓ 29W-43	43-037-16434	14-20-603-407	SEC. 29, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 30-21W	43-037-16435	14-20-603-407	SEC. 30, T41S, R24E	660' FNL; 1920' FWL
✓ 30-32	43-037-15342	14-20-603-407	SEC. 30, T41S, R24E	SW/NE 1975' FNL; 2010' FEL
✓ 30W-41	43-037-15343	14-20-603-407	SEC. 30, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 3-34	NA 4303715711	NA 14206034043	NA Sec. 9, T. 41S, R. 24E	NA SW/SE 660' FSL 1980' FEL
✓ 12-43	43-307-31202	14-20-603-246	SEC. 12, T41S, R23E	2100' FSL; 660' FEL
✓ 12W31	43-037-15847	14-20-603-246	SEC. 12, T41S, R23E	661' FNL; 1981' FEL
✓ 13W24	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	SE/SW 660' FSL; 3300' FEL
✓ 15W23	43-037-16412	14-20-603-355	SEC. 15, T41S, R24E	2140' FSL; 1820' FWL
✓ 17-24	43-037-31044	14-20-603-353	SEC. 17, T41S, R24E	SE/SW 720' FSL; 1980' FWL
✓ 18-13	43-037-15734	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 1980' FSL; 500' FWL
✓ 18W32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL
✓ 20-68	43-037-31591	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 1276' FWL; 1615' FSL
✓ 21-23	43-037-13754	14-20-603-355	SEC. 21, T41S, R24E	NE/SW 1740' FSL 1740' FWL
✓ 28W21	43-037-16431	14-20-603-409	SEC. 29, T41S, R24E	660' FNL; 2022' FWL

PAID

PAID

PAID

PAID



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 07

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).

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

Routing:

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

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

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

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

TO (new operator) <u>MOBIL EXPLOR &amp; PROD</u>	FROM (former operator) <u>M E P N A</u>
(address) <u>C/O MOBIL OIL CORP</u>	(address) <u>C/O MOBIL OIL CORP</u>
<u>PO DRAWER G</u>	<u>PO DRAWER G</u>
<u>CORTEZ CO 81321</u>	<u>CORTEZ CO 81321</u>
phone <u>(303) 564-5212</u>	phone <u>(303) 564-5212</u>
account no. <u>N7370</u>	account no. <u>N7370</u>

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

Name: <u>** SEE ATTACHED **</u>	API: <u>037-16424</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**

- 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.
- LWP 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- LWP 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)
- LWP 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. *DTJ 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!*

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
✓MEPNA (MOBIL	43-037-15722	16W23	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-16414	16W21	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-16416	17W21	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15726	17W12	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15731	17W41	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-16417	17W43	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15728	17W23	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15730	17W34	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15729	17W32	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15727	17W14	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-31153	18W12	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15737	18W34	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15736	18W32	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-30244	18W23	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15735	18W14	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-16418	18W21	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15738	18W41	41S	24E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15741	19W21	41S	24E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15742	19W23	41S	24E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15745	19W41	41S	24E	19	INJW	Y
✓MEPNA (MOBIL	43-037-16420	19W43	41S	24E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15748	20W23	41S	24E	20	INJW	Y
✓MEPNA (MOBIL	43-037-15751	20W41	41S	24E	20	INJW	Y
✓MEPNA (MOBIL	43-037-16423	20W21	41S	24E	20	INJW	Y
✓MEPNA (MOBIL	43-037-16424	20W43	41S	24E	20	INJW	Y
✓MEPNA (MOBIL	43-037-16427	21W43	41S	24E	21	INJW	Y
✓MEPNA (MOBIL	43-037-16425	21W21	41S	24E	21	INJW	Y
✓MEPNA (MOBIL	43-037-16431	28W21	41S	24E	28	INJI	Y
✓MEPNA (MOBIL	43-037-16433	29W41	41S	24E	29	INJW	Y
✓MEPNA (MOBIL	43-037-16432	29W21	41S	24E	29	INJW	Y
✓MEPNA (MOBIL	43-037-15338	29W23	41S	24E	29	INJI	Y
✓MEPNA (MOBIL	43-037-16434	29W43	41S	24E	29	INJW	Y
✓MEPNA (MOBIL	43-037-15343	30-41	41S	24E	30	INJW	Y
✓MEPNA (MOBIL	43-037-16435	30W21	41S	24E	30	INJI	--

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	5. Lease Designation and Serial No. <b>14-20-603-353</b>
2. Name of Operator <b>MOBIL PRODUCING TX &amp; NM INC.* *MOBIL EXPLORATION &amp; PRODUCING US INC. AS AGENT FOR MPTM</b>	6. If Indian, Allottee or Tribe Name <b>NAVAJO TRIBAL</b>
3. Address and Telephone No. <b>P.O. Box 633, Midland TX 79702      (915) 688-2585</b>	7. If Unit or CA, Agreement Designation <b>RATHERFORD UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>SEC. 20, T41S, R24E 2070' FSL &amp; 810' FEL</b>	8. Well Name and No. <b>RATHERFORD      20-W-43</b>
	9. API Well No. <b>43-037-16424</b>
	10. Field and Pool, or exploratory Area <b>GREATER ANETH</b>
	11. County or Parish, State <b>SAN JUAN      UT</b>

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

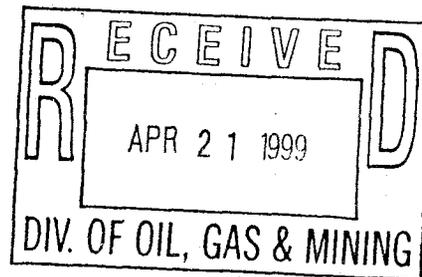
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

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

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

✓ 4-02-99 MIRU D/S CT TREATING EQUIP., ACIDIZED 5570-5654' PERFS W/4000 GALS  
15% DAD TREATMENT (+) & 15% HCL ACID W/ADDITIVES. TTP 1932-3178, AVG.  
2500# @ 1.6BPM RATE GOOD, ISDP 2981#, 5 MIN 2926, 10 MIN 2885# SI, RDMO.

4-03-99 FLOW BACK, WELL CLEAN, FINAL REPORT, TURN WELL TO PRODUCTION



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

Signed Shirley Houchins for Title SHIRLEY HOUCHINS/ENV & REG TECH Date 4-19-99

(This space for Federal or State office use)

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

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

\* See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau 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

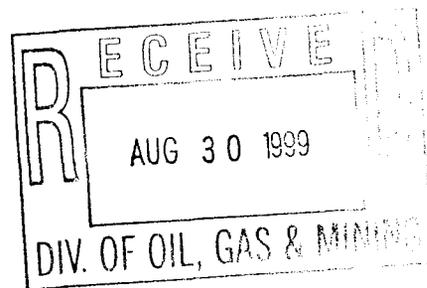
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Lease Serial No. <b>14-20-603-353</b>
2. Name of Operator <b>MOBIL PRODUCING TX &amp; NM INC.* *MOBIL EXPLORATION &amp; PRODUCING US INC. AS AGENT FOR MPTM</b>		6. If Indian, Allottee or Tribe Name <b>NAVAJO TRIBAL</b>
3a. Address <b>P.O. Box 633, Midland TX 79702</b>	3b. Phone No. (include area code) <b>(915) 688-2585</b>	7. If Unit or CA/Agreement, Name and/or No. <b>RATHERFORD UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>SEC. 20, T41S, R24E 2070' FSL &amp; 810' FEL</b>		8. Well Name and No. <b>RATHERFORD 20-W-43</b>
		9. API Well No. <b>43-037-16424</b>
		10. Field and Pool, or Exploratory Area <b>GREATER ANETH</b>
		11. County or Parish, State <b>SAN JUAN UT</b>

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 checked="" type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>SCHEDULED</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>MIT</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Coompleted 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 recompletes 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 final site is ready for final inspection.)

SCHEDULED MIT & CHART ATTACHED.



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <i>Shirley Houchins for</i>	Title <b>SHIRLEY HOUCHINS/ENV &amp; REG TECH</b>
	Date <b>8-25-99</b>

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

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

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

(Instructions on reverse)

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator MOBILE E. & P., INC. Date of Test 8-13-99  
 Well Name RATHERFORD UNIT WELL #20W-43 EPA Permit No. \_\_\_\_\_  
 Location SEC 20, T41S, R24E Tribal Lease No. 1420603353  
 State and County SAN JUAN COUNTY, UTAH

Continuous Recorder? YES  NO  Pressure Gauge? YES  NO   
 Bradenhead Opened? YES  NO  Fluid Flow? YES  NO

TIME	ANNULUS PRESSURE, psi		TUBING PRESSURE, psi
	0-1500 psi gauge	0-1500 psi recorder	0-5000 psi gauge
11:54 AM	1150	1180	2950
11:59 AM	1145	1178	2950
12:04 PM	1144	1177	2950
12:09 PM	1142	1176	2950
12:14 PM	1140	1175	2950
12:19 PM	1140	1175	2950
12:24 PM	1140	1175	2950

MAX. INJECTION PRESSURE: 3000 PSI  
 MAX. ALLOWABLE PRESSURE CHANGE: 57.50 PSI (TEST PRESSURE X 0.05)  
 REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

*Injecting-active*  
*No Bradenhead. This well was previously a producer well.*  
*Passed MIT*

*Larson Blackgott* *Andy Blige* *8.13.99*  
 COMPANY REPRESENTATIVE: (Print and Sign) DATE  
*Melvina K. Clark* *Melvina K. Clark* *8-13-99*  
 INSPECTOR: (Print and Sign) DATE



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Serial No.	<b>14-20-603</b>	<b>353</b>
6. If Indian, Allottee or Tribe Name	<b>NAVAJO TRIBAL</b>	
7. If Unit or CA/Agreement, Name and/or No.	<b>RATHERFORD UNIT</b>	
8. Well Name and No.	<b>RATHERFORD UNIT</b>	<b>20W43</b>
9. API Well No.	<b>43-037-16424</b>	
10. Field and Pool, or Exploratory Area	<b>GREATER ANETH</b>	
11. County or Parish, State	<b>SAN JUAN</b>	<b>UT</b>

**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 <b>INJECTION</b>	
2. Name of Operator <b>Exxon Mobil Corporation</b>	
3a. Address <b>P.O. Box 4358</b> <b>Houston TX 77210-4358</b>	3b. Phone No. (include area code) <b>(713) 431-1197</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Section 20, T-41-S, R-24-E 2070' FSL &amp; 810' FEL</b>	

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If proposal is to deepen directionally or recompleate 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 recompleation 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.)

**This well experienced backside pressure which occurred on 04/13/00. The US EPA and Navajo EPA were verbally notified on 4/14/00.**

**We plan to pull the packer equipment, upgrade the wellhead, troubleshoot backside communication, and run in hole with a replacement packer. This well is currently shut-in.**

**The procedure for these operations is attached.**

**RECEIVED**

**APR 18 2000**

**DIVISION OF  
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Ellen M. Carroll</b>	Title <b>Sr. Staff Office Assistant</b>
Signature <i>Ellen M. Carroll</i>	Date <b>04/17/2000</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on Reverse)

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT #20-W-43  
API #43-037-16424 SECT 20, T41S - R24E  
NAVAJO TRIBAL  
SAN JUAN COUNTY, UTAH

**A) GENERAL WELL IDENTIFICATION INFORMATION**

FIELD : Greater Aneth Area  
LEASE : Ratherford 2043  
COUNTY : San Juan County  
STATE : Utah  
API# : 43-037-16424  
PRISM I.D. : 0043105  
WELL I.D. :  
LOCATION CODE : P1767900

**B. GENERAL WELL INFORMATION:**

Zone(s): Desert Creek  
Perfs: 5570'-5629', 5631'-5654'  
Initial Completion Date: 11/20/58  
Est. BHP: 5212psi  
Est. SITP: 2800psi  
Total Depth: 5802'  
PBTD: new 5666'  
Open Hole Depth: na  
Top of Fish: none  
Top of Cmt: 2660'  
Method: Log\_\_ or Calc\_x\_\_  
Surface Casing: 13 3/8", 27.1#, 175', w/ 175sx of cmt  
Intermediate Casing: 8 5/8", 24#, J55, 1542' w/455sx of cmt  
Production Casing: 5 1/2", 14#, 15.5#, J55, 5802' w/ 550cu ft of cmt  
RKB: 12'

Well Tests: na

Fluid Levels: na

Injection Support: na

**C. Materials Needed:**

- a.
- b.

**D. Troubleshooting:**

**RECEIVED**

APR 18 2000

DIVISION OF  
OIL, GAS AND MINING

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT #20-W-43  
API #43-037-16424 SECT 20, T41S - R24E  
NAVAJO TRIBAL  
SAN JUAN COUNTY, UTAH

4/13/00 - Well was reported to have backside communication. Suspect the pressure is a result of the pkr becoming unset.

**EHS Instructions**

- A. All potential loss of well control and/or spills of formation fluids must be reported to the necessary governing agency immediately.
- B. Material Safety Data Sheets (MSDS) must be maintained on location for all materials and fluids except standard lubricants.
- C. SPCC plans for both the operator and the rig contractor should be available on location, preferably posted for convenience.
- D. Location hazard diagram provided should be distributed to the appropriate contractors.
- E. H2S exposure radius sheet attached should also be posted for workers to see.
- F. All discolored soil should be picked up and taken to the remediation area. Replace with remediated soil.

*When closing pits, cut the pit liner at the mud line & then backfill according to field specs. For more information contact Davis Benallie of the Navajo EPA.*

**GENERAL PROCEDURES.**

***Warning! - The tbg is currently being anchored down to the wellhead while field personnel are attempting to blowdown the tbg into frac tanks to reduce the pressure and prevent the tbg from moving up and out of well until a rig can be moved in to pull equipment***

- (1) Prior to MIRU PU, MIRU perf company and perforate tbg at approximately 5400'. Circ calculated kill fluid down the casing and up the tbg to establish well control. 6hrs

*Note - The well may already have been killed with calculated KWM prior to step 1 because of the "Warning!" above.*

- (2) MIRU PU. Pick up on tbg and LD 1<sup>st</sup> joint. PU compression set pkr (strom valve) and RIH and set in compression. Monitor the well for pressure for a least one hour. 2hrs

*Note - Storm valve - (compression set pkr) - is a combination valve and backoff joint which is used to close in a well being drilled, without having to pull existing pipe. Usually, a hook wall pkr is used with the storm valve to support the weight of the pipe. The pkr seals inside the csg and the storm valve seals the inside diameter of the pipe. Although this device is primarily used offshore, it can be used on land to isolate the wellbore fluids while changing out wellheads.*

- (3) Once well control has been re-confirmed, proceed to remove 3000psi wellhead and install 5000psi wellhead. 2hrs

**ATTACHMENT - FORM 3160-5**  
**RATHERFORD UNIT #20-W-43**  
**API #43-037-16424 SECT 20, T41S - R24E**  
**NAVAJO TRIBAL**  
**SAN JUAN COUNTY, UTAH**

*Note – This step will require and MOC because there is only one isolation method.*

- (4) NU BOP/Hydril. Pick up pkr setting joint and left-handed thread and retrieve pkr (storm valve). 3hrs**
- (5) POOH LD first joint and SB remaining 2 7/8" cmt lined tbg and LD 4" Arrow Set I pkr.**
- (6) Guiberson or Arrow should be on hand to inspect pkr equipment and provide his written opinion as to why the pkr elements failed. 1hr**
- (7) PU treating pkr and 4" RBP and RIH on workstring. 4hrs**
- (8) Set RBP at 5485' and test plug. Once plug integrity has been established, proceed to circulate out kill mud and circ in produced water and perform csg test. 2hrs**
- (9) Test csg to 1000# including a negative test on the liner top. If csg holds proceed to step 12 otherwise see note below. 4hrs**

*Note – If csg doesn't hold then proceed to step (10)*

- (10) Begin isolating the leak by testing to 300# starting with pkr set @ 2500'. 4hrs**
- (11) Once leak has been isolated within 50', establish rate and pressure. 3hrs  
Notify SSE of findings before proceeding further (713-431-1253).**
- (11a) If rate is less than 0.5bpm and pressure is greater than 500psi, then prepare to TA wellbore using a CIBP .**

**Note - (hrs & cost not included in proposed total job hrs)**

- (11a -1) POOH SB workstring and LD pkr and plug. 2hrs**
  - (11a-2) Pick up CIBP and RIH on workstring to 5450'. 2hrs**
  - (11a-3) Test plug to 1000psi for 30min. 1hr**
  - (11a-4) Dump 1sx of cmt on top of CIBP. 1hr**
  - (11a-5) Circ out kill fluid and circ in pkr fluid. 5hrs**
  - (11a-6) POOH LD workstring . 4hrs**
  - (11a-7) ND BOP/Hydril and NU wellhead. 2hrs**
  - (11a-8) Clean location and notify BLM to witness MIT. 2hrs**
- (11b) If rate is greater than 0.5bpm and pressure is lower than 500psi, then prepare to squeeze leak using class B cmt.**

**ATTACHMENT - FORM 3160-5**  
**RATHERFORD UNIT #20-W-43**  
**API #43-037-16424 SECT 20, T41S - R24E**  
**NAVAJO TRIBAL**  
**SAN JUAN COUNTY, UTAH**

**Note -(hrs & cost not included in proposed total job hrs)**

- (11b-1) Dump 1sx of sand on top of RBP. 1hr**
- (11b-2) MIRU cmt company. 2hrs**
- (11b-3) Proceed to perform squeeze work per subsurface engineer and Dowell cmt rep. 6hrs**
- (11b-4) Drill out cmt and pressure test csg to 300-500psi. 4hrs**
- (11b-5) RIH w/ workstring and retrieve RBP and treating pkr. 2hrs**
- (11b-5) POOH LD workstring, treating pkr, and RBP. 5hrs**
- (11 b-6) PU replacement 4" x 2 3/8" on/off tool, 4" pkr (type to be decided after failure equipment has been pulled) w/ profile, and pump-out plug. MIRU Campbell tbg testers. 3hrs**
  
- (11b-7) RIH w/ existing 2 3/8" tbg, testing each connection to 3500psi using nitrogen. set 4" pkr (type to be decided after equipment has been pulled) @5459'. Do not set pkr any lower than 5585' and no higher 5435'. The original packer depth was 5459'. Pressure test csg to 1000 psi. 5hrs**
- (11b-8) RDMO Campbell tbg testers and inspection. 2hrs**
- (11b-9) Release on/off tool, circ. Pkr. Fluid (134bbbls of freshwater w/ 56gal of Baker Petrolite CRW 132F) latch on to pkr. 3hrs**
- (11b-10) ND BOP/Hydril, NU WH. 2hrs**
- (11b-11) Test tbg to 1000 psi and pump-out plug. 1hr**
- (11b-12) Clean location RDMO PU. 2hrs**
- (11b-13) Notify James Madison ( 970-565-1351) to perform PSSR and approve location before releasing roustabouts .**

*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 10% 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*

- (12) POOH LD WS, treating pkr and RBP. 6hrs**
  
- (13) PU replacement 4" x 2 3/8" on/off tool, 4" pkr w/ profile, and pump-out plug. MIRU Campbell tbg testers. 3hrs**
  
- (14) RIH w/ existing 2 3/8" tbg, testing each connection to 3500psi using nitrogen. set 4" pkr (type to be decided after equipment has been pulled) @5459'. Do not set pkr any lower than 5585' and no higher 5435'. The original packer depth was 5459'. Pressure test csg to 1000 psi. 5hrs**
  
- (15) RDMO Campbell tbg testers and inspection. 2hrs**

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT #20-W-43  
API #43-037-16424 SECT 20, T41S - R24E  
NAVAJO TRIBAL  
SAN JUAN COUNTY, UTAH

- (16) Release on/off tool, circ. Pkr. Fluid (134bbbls of freshwater w/ 56gal of Baker Petrolite CRW 132F) latch on to pkr. 3hrs

*Note - Volume based on a pkr setting depth of 5459'*

- (17) ND BOP/Hydril, NU WH. 2hrs

*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 10% 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.*

- (18) Test tbq to 1000 psi and pump-out plug. 1hr

- (19) Clean location RDMO PU. 2hrs

- (20) Notify James Madison (970-565-1351) to perform PSSR and approve location before releasing roustabouts. 1hr

**RECEIVED**

APR 18 2000

DIVISION OF  
OIL, GAS AND MINING

**ATTACHMENT - FORM 3160-5**  
**RATHERFORD UNIT #20-W-43**  
**API #43-037-16424 SECT 20, T41S - R24E**  
**NAVAJO TRIBAL**  
**SAN JUAN COUNTY, UTAH**

**OVERALL OBJECTIVE:**  
 (1) To perforate tbg & kill well  
 (2) Change out wellhead  
 (3) Pull equipment, troubleshoot failure  
 (4) Test csg integrity  
 (5) RIH w/ replacement pkr equipment while testing tbg

Surface csg - 13 3/8",  
 27.1#, 175' w/ 175sx of cmt

Intermediate Csg - 8 5/8", 24#,  
 J55, 1542' w/ 455sx of cmt

Prod Csg - 5 1/2", 14#, 15.5#,  
 J55, 5802' w/ 550 cu ft of cmt

**EXISTING EQUIPMENT**

Run time - 1/7/92

4" Arrow I pkr set  
 @5459'  
 174jts of 2 3/8" IPC  
 (TK70) tbg

COMPLETION DATE: \_\_\_\_\_  
 TOTAL COST: \_\_\_\_\_

**NEW EQUIPMENT INFO**

- 4" permanent pkr
- 4" x 2 3/8" on/off tool w/  
 1.5" profile
- 174jts of 2 3/8" IPC

Note - This assumes the well is repaired

174jts of 2 3/8" IPC tbg

Surface Csg Shoe @ 1542'

TOC 2660'

Arrow Set I pkr @ 5459'

4" liner hanger @5369'

Perfs  
 5548'-5558' sqz'd  
 5570'-5629'

5631'-5654'  
 5656'-5662'

New PBTD 5666'  
 Orig PBTD 5771'  
 TD 5802'

5726'-5734'

4" liner, 9.5#, 5369'to  
 5693' w/ 50sx of cmt

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APR 18 2000

DIVISION OF  
 OIL, GAS AND MINING

**ATTACHMENT - FORM 3160-5**  
**RATHERFORD UNIT #20-W-43**  
**API #43-037-16424 SECT 20, T41S - R24E**  
**NAVAJO TRIBAL**  
**SAN JUAN COUNTY, UTAH**

**GENERAL AREA REQUIREMENTS**

1. ALL SAFETY GUIDELINES WILL BE FOLLOWED. INCLUDING PERSONAL PROTECTIVE EQUIPMENT; HARD HATS, ANSI BOOTS, AND SAFETY GLASSES WITH SIDE SHIELDS ARE REQUIRED. OTHER COMMON MISTAKES ARE RIG HANDRAILS NEED TO BE UP, LOCATIONS NEED TO BE NEAT AND ORDERLY, AND ALL VENDORS MUST HAVE ALL SAFETY TRAINING UP TO DATE INCLUDING DOCUMENTATION ON LOCATION. HYDRIL BOPS WILL BE USED ANY TIME SOMETHING IS IN THE WELL THAT THE BOP CANNOT CLOSE AROUND INCLUDING DRILL COLLARS AND SUB PUMPS.
2. **NOTIFICATIONS - MUST BE NOTIFIED FOR LARGE SPILLS, WATER OR OIL > 10 BBLs**

**Note: All Mobil Drilling Supervisors**

**If spill occurs, take various pictures of spill before and after clean-up. Make sure all angles of spill are photographed.**

**Supervisors are to notify Carl Lakey and ExxonMobil EHS Techs ONLY --- Allow techs to notify appropriate agencies.**

ExxonMobil Subsurface Supt – Rodney Bane 713-431-1087

ExxonMobil Subsurface Engr – Max Boone 713-431-1253

**MUST BE NOTIFIED FOR ANY ACCIDENTS UP TO AND INCLUDING LOST TIME;**

ExxonMobil Operations Supt – Carl Lakey – 713-431-1782

EHS McElmo Creek – Lee Benally 970-565-1309

EHS Ratherford – 970-565-1344

**CASING LEAK RIG-UPS, SQUEEZE NOTIFICATIONS, AND QUESTIONS ABOUT PRESSURE TEST REQUIREMENTS;**

BLM – 505 599-8907, NOTIFY BEFORE SQUEEZE SO THEY CAN WITNESS IF THEY WANT

IF CASING LEAK IS A SURPRISE (WASN'T EXPECTED), DISCUSS PLAN WITH THE ENGINEER. THEN CALL WAYNE TOWNSEND 505 599-6359 AND DISCUSS THE PROBLEM AND PLAN. ENGR WILL PREPARE A DOCUMENTATION PROCEDURE TO SEND TO SHIRLEY HOUCHINS

3. WELL CONTROL. WELL SUBSEQUENTLY CONTROLLED WITH FRESH WATER, CLEAN 10# BRINE, HEAVY SALT MUD CaCl<sub>2</sub> UP TO 11.6# w/0.1% Safebreak CBF, PARTICULATE CaCO<sub>3</sub> MUD UP TO 12.6, AND BARITE MUD ABOVE 12.6#. FOR THE TIME BEING WE ARE AVOIDING SNUBBING UNITS.
4. RIG SUPERVISORS WILL MAKE EVERY ATTEMPT TO ENHANCE RELATIONSHIPS WITH RESIDENTS AND VENDORS, WITHOUT SIGNIFICANTLY IMPACTING COSTS. OBEY AND ENCOURAGE ALL YOU WORK WITH TO BE COURTEOUS AND STRICTLY OBEY SPEED LIMITS ON LEASE ROADS.
5. CASING LEAK SQUEEZES WILL BE DONE WITH CLASS G NEAT. SUCCESS RATE WITH THIS CEMENT FROM HALLIBURTON IS 80%. OTHER TECHNIQUES AND COMPANIES WILL NOT BE USED AS LONG AS SUCCESS RATE CONTINUES. INJECTORS HAVE TO PASS 1000# /30 MINS, PRODUCERS 500#/30 MINS. DO NOT TEST UNLESS YOU SUSPECT LEAK.
  - A. FOR SHALLOW LEAKS WITH NO CMT ON CASING ANNULUS, CONSIDER CUTTING OUT THE BAD SECTION OF PIPE, POH, AND TIE BACK AND CEMENT A NEW SECTION OF CASING.

**ATTACHMENT - FORM 3160-5**  
**RATHERFORD UNIT #20-W-43**  
**API #43-037-16424 SECT 20, T41S - R24E**  
**NAVAJO TRIBAL**  
**SAN JUAN COUNTY, UTAH**

- B. FOR BLEED OFF LEAKS SPOT CMT ACROSS AND ABOVE LEAK, PRESSURE UP TO 1500# UNTIL SQUEEZES. POH, SI BLINDS AND RE-PRESSURE UP TO 1500# SION W/PRESSURE ON SQUEEZE.
- C. FOR EIR > 0.5 BPM AND LEAKS DEEPER THAN 1000' USE CMT RETAINER, SAME CEMENT. DO NOT DO NOT FAIL TO CALL OUT ENOUGH CEMENT TO SQUEEZE THE LEAK. THE EXTRA COST OF THE BULK CEMENT IS EASILY JUSTIFIED VS. THE COST OF A FAILED SQUEEZE DUE TO NOT ENOUGH CEMENT.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
**14-20-603** **353**

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** **20W43**

9. API Well No.  
**43-037-16424**

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

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

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

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

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)  
**Section 20, T-41-S, R-24-E 2070' FSL & 810' FEL**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>Backside pressure</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" 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.)

**SUPPLEMENTAL INFORMATION ON SUNDRY NOTICE SUBMITTED 4/17/00.**

**We plan to Temporarily Abandon this well.**

**Attached is information which supplements Item 11a in the procedure submitted 4/17/00.**

**RECEIVED**

APR 19 2000

DIVISION OF  
OIL, GAS AND MINING

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

Name (Printed/Typed) <b>Ellen M. Carroll</b>	Title <b>Sr. Staff Office Assistant</b>
Signature <i>Ellen M. Carroll</i>	Date <b>04/18/2000</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on Reverse)

ATTACHMENT - FORM 3160-5  
KATHERFORD UNIT #20-W-43  
API #43-037-16424 SECT 20, T41S - R24E  
NAVAJO TRIBAL  
SAN JUAN COUNTY, UTAH

11a. Temporarily Abandon wellbore - detail.

The following replaces items 11a (1 thru 8) in the original Sundry Notice:

- (11a-1) Kill well.
- (11a-2) Get off packer
- (11a-3) Run in hole with work string and on/off tool.
- (11a-4) Latch on to packer.
- (11a-5) Bullhead cement to packer. Put cement (approximately 50 sx) into perforations.
- (11a-6) Fill interval with cement.
- (11a-7) Get off packer with on/off tool.
- (11a-8) Dump cement on top of packer.
- (11a-9) Take cement approximately 50' above 5369' (depth of liner hanger for 4" liner).
- (11a-10) Circulate packer fluid above the cement top.

Note: TOC on production casing is at 2660'.

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APR 19 2000  
DIVISION OF  
OIL, GAS AND MINING

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

**ExxonMobil**  
*Production*

April 20, 2000

Ratherford Unit #20-W-43  
Emergency TA Procedure

Mr. Jim Walker  
United States Environmental Protection Agency  
1235 La Plata Hwy.  
Farmington, New Mexico 87401

Mr. Steve Mason  
Bureau of Land Management  
1235 La Plata Highway  
Farmington, NM 87401

Dear Mr. Walker and Mr. Mason:

This letter is to confirm the verbal approval from the US EPA and BLM of the emergency TA procedure for Ratherford Unit #20-W-43. The emergency TA procedure is described in the attached Sundry Notices dated 4/17/00 and 4/18/00. The verbal approval was given during a telephone conversation between ExxonMobil personnel (Charlotte Harper-Permitting Supervisor, Max Boone-Subsurface Engineer, and Ellen Carroll-Senior Staff Office Assistant), the US EPA (Jim Walker), and the BLM (Steve Mason) on April 18, 2000 at 10:55 a.m. CDST.

An additional Sundry Notice will be submitted as soon as possible stating our estimate of how long we will need the well to remain with a TA status.

If you need further information, please contact me at 713-431-1197.

*Ellen M. Carroll*

Ellen M. Carroll  
Senior Staff Office Assistant  
Exxon Mobil Corporation, a division of Exxon Mobil Corporation  
on behalf Mobil Producing Tx. & N.M. Inc.

Attachments

xc: George Robin, U.S. Region IX EPA  
Charmaine Hosteen, Navajo Nation EPA  
State of Utah, Division of Oil, Gas, & Mining

**RECEIVED**

APR 24 2000

DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
**14-20-603** **353**

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** **20W43**

9. API Well No.  
**43-037-16424**

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

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

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

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

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)  
**Section 20, T-41-S, R-24-E 2070' FSL & 810' FEL**

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**We plan to Temporarily Abandon this well.**

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**RECEIVED**

APR 24 2000

DIVISION OF  
OIL, GAS AND MINING

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

Name (Printed/Typed) <b>Ellen M. Carroll</b>	Title <b>Sr. Staff Office Assistant</b>
Signature <i>Ellen M Carroll</i>	Date <b>04/18/2000</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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(Instructions on Reverse)

**ATTACHMENT - FORM 3160-5  
THERFORD UNIT #20-W-43  
API #43-037-16424 SECT 20, T41S - R24E  
NAVAJO TRIBAL  
SAN JUAN COUNTY, UTAH**

11a. Temporarily Abandon wellbore - detail.

The following replaces items 11a (1 thru 8) in the original Sundry Notice:

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Note: TOC on production casing is at 2660'.

**RECEIVED**  
APR 24 2000  
DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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**This well experienced backside pressure which occurred on 04/13/00. The US EPA and Navajo EPA were verbally notified on 4/14/00.**

**We plan to pull the packer equipment, upgrade the wellhead, troubleshoot backside communication, and run in hole with a replacement packer. This well is currently shut-in.**

**The procedure for these operations is attached.**

*4-18-00 C.W. Harper, E.M. Carroll, M. Boone reviewed emergency procedure with Jim Walker, EPA and Steve Mason, BLM. Both USEPA and BLM gave verbal approval to proceed with this procedure at 10:55 AM on April 18, 2000. CDST*

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

Name (Printed/Typed) **Ellen M. Carroll** Title **Sr. Staff Office Assistant**

Signature *Ellen M. Carroll* Date **04/17/2000**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT #20-W-43  
API #43-037-16424 SECT 20, T41S - R24E  
NAVAJO TRIBAL  
SAN JUAN COUNTY, UTAH

**A) GENERAL WELL IDENTIFICATION INFORMATION**

FIELD : Greater Aneth Area  
LEASE : Ratherford 2043  
COUNTY : San Juan County  
STATE : Utah  
API# : 43-037-16424  
PRISM I.D. : 0043105  
WELL I.D. :  
LOCATION CODE : P1767900

**B. GENERAL WELL INFORMATION:**

Zone(s): Desert Creek  
Perfs: 5570'-5629', 5631'-5654'  
Initial Completion Date: 11/20/58  
Est. BHP: 5212psi  
Est. SITP: 2800psi  
Total Depth: 5802'  
PBTD: new 5666'  
Open Hole Depth: na  
Top of Fish: none  
Top of Cmt: 2660'  
Method: Log\_\_ or Calc\_x\_\_  
Surface Casing: 13 3/8", 27.1#, 175', w/ 175sx of cmt  
Intermediate Casing: 8 5/8", 24#, J55, 1542' w/455sx of cmt  
Production Casing: 5 1/2", 14#, 15.5#, J55, 5802' w/ 550cu ft of cmt  
RKB: 12'

Well Tests: na

Fluid Levels: na

Injection Support: na

**C. Materials Needed:**

- a.
- b.

**D. Troubleshooting:**

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APR 24 2000

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OIL, GAS AND MINING

APR 24 2000

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OIL, GAS AND MINING

4/13/00 - Well was reported to have backside communication. Suspect the pressure is a result of the pkr becoming unset.

### EHS Instructions

- A. All potential loss of well control and/or spills of formation fluids must be reported to the necessary governing agency immediately.
- B. Material Safety Data Sheets (MSDS) must be maintained on location for all materials and fluids except standard lubricants.
- C. SPCC plans for both the operator and the rig contractor should be available on location, preferably posted for convenience.
- D. Location hazard diagram provided should be distributed to the appropriate contractors.
- E. H2S exposure radius sheet attached should also be posted for workers to see.
- F. All discolored soil should be picked up and taken to the remediation area. Replace with remediated soil.

*When closing pits, cut the pit liner at the mud line & then backfill according to field specs. For more information contact Davis Benallie of the Navajo EPA.*

### GENERAL PROCEDURES.

***Warning! - The tbg is currently being anchored down to the wellhead while field personnel are attempting to blowdown the tbg into frac tanks to reduce the pressure and prevent the tbg from moving up and out of well until a rig can be moved in to pull equipment***

- (1) Prior to MIRU PU, MIRU perf company and perforate tbg at approximately 5400'. Circ calculated kill fluid down the casing and up the tbg to establish well control. 6hrs

*Note - The well may already have been killed with calculated KWM prior to step 1 because of the "Warning!" above.*

- (2) MIRU PU. Pick up on tbg and LD 1" joint. PU compression set pkr (strom valve) and RIH and set in compression. Monitor the well for pressure for a least one hour. 2hrs

*Note - Storm valve - (compression set pkr) - is a combination valve and backoff joint which is used to close in a well being drilled, without having to pull existing pipe. Usually, a hook wall pkr is used with the storm valve to support the weight of the pipe. The pkr seals inside the csg and the storm valve seals the inside diameter of the pipe. Although this device is primarily used offshore, it can be used on land to isolate the wellbore fluids while changing out wellheads.*

- (3) Once well control has been re-confirmed, proceed to remove 3000psi wellhead and install 5000psi wellhead. 2hrs

**ATTACHMENT - FORM 3160-5**  
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**API #43-037-16424 SECT 20, T41S - R24E**  
**NAVAJO TRIBAL**  
**SAN JUAN COUNTY, UTAH**

*Note - This step will require and MOC because there is only one isolation method.*

- (4) NU BOP/Hydril. Pick up pkr setting joint and left-handed thread and retrieve pkr (storm valve). 3hrs**
- (5) POOH LD first joint and SB remaining 2 7/8" cmt lined tbg and LD 4" Arrow Set I pkr.**
- (6) Guiberson or Arrow should be on hand to inspect pkr equipment and provide his written opinion as to why the pkr elements failed. 1hr**
- (7) PU treating pkr and 4" RBP and RIH on workstring. 4hrs**
- (8) Set RBP at 5485' and test plug. Once plug integrity has been established, proceed to circulate out kill mud and circ in produced water and perform csg test. 2hrs**
- (9) Test csg to 1000# including a negative test on the liner top. If csg holds proceed to step 12 otherwise see note below. 4hrs**

*Note - If csg doesn't hold then proceed to step (10)*

- (10) Begin isolating the leak by testing to 300# starting with pkr set @ 2500'. 4hrs**
- (11) Once leak has been isolated within 50', establish rate and pressure. 3hrs  
Notify SSE of findings before proceeding further (713-431-1253).**
- (11a) If rate is less than 0.5bpm and pressure is greater than 500psi, then prepare to TA wellbore using a CIBP .**

**Note - (hrs & cost not included in proposed total job hrs)**

- (11a -1) POOH SB workstring and LD pkr and plug. 2hrs**
- (11a-2) Pick up CIBP and RIH on workstring to 5450'. 2hrs**
- (11a-3) Test plug to 1000psi for 30min. 1hr**
- (11a-4) Dump 1sx of cmt on top of CIBP. 1hr**
- (11a-5) Circ out kill fluid and circ in pkr fluid. 5hrs**
- (11a-6) POOH LD workstring . 4hrs**
- (11a-7) ND BOP/Hydril and NU wellhead. 2hrs**
- (11a-8) Clean location and notify BLM to witness MIT. 2hrs**
- (11b) If rate is greater than 0.5bpm and pressure is lower than 500psi, then prepare to squeeze leak using class B cmt.**

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT #20-W-43  
API #43-037-16424 SECT 20, T41S - R24E  
NAVAJO TRIBAL  
SAN JUAN COUNTY, UTAH

Note -(hrs & cost not included in proposed total job hrs)

- (11b-1) Dump 1sx of sand on top of RBP. 1hr
- (11b-2) MIRU cmt company. 2hrs
- (11b-3) Proceed to perform squeeze work per subsurface engineer and Dowell cmt rep. 6hrs
- (11b-4) Drill out cmt and pressure test csg to 300-500psi. 4hrs
- (11b-5) RIH w/ workstring and retrieve RBP and treating pkr. 2hrs
- (11b-5) POOH LD workstring, treating pkr, and RBP. 5hrs
- (11 b-6) PU replacement 4" x 2 3/8" on/off tool, 4" pkr (type to be decided after failure equipment has been pulled) w/ profile, and pump-out plug. MIRU Campbell tbg testers. 3hrs
  
- (11b-7) RIH w/ existing 2 3/8" tbg, testing each connection to 3500psi using nitrogen. set 4" pkr (type to be decided after equipment has been pulled) @5459'. Do not set pkr any lower than 5585' and no higher 5435'. The original packer depth was 5459'. Pressure test csg to 1000 psi. 5hrs
- (11b-8) RDMO Campbell tbg testers and inspection. 2hrs
- (11b-9) Release on/off tool, circ. Pkr. Fluid (134bbls of freshwater w/ 56gal of Baker Petrolite CRW 132F) latch on to pkr. 3hrs
- (11b-10) ND BOP/Hydril, NU WH. 2hrs
- (11b-11) Test tbg to 1000 psi and pump-out plug. 1hr
- (11b-12) Clean location RDMO PU. 2hrs
- (11b-13) Notify James Madison ( 970-565-1351) to perform PSSR and approve location before releasing roustabouts .

*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 10% 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*

- (12) POOH LD WS, treating pkr and RBP. 6hrs
  
- (13) PU replacement 4" x 2 3/8" on/off tool, 4" pkr w/ profile, and pump-out plug. MIRU Campbell tbg testers. 3hrs
  
- (14) RIH w/ existing 2 3/8" tbg, testing each connection to 3500psi using nitrogen. set 4" pkr (type to be decided after equipment has been pulled) @5459'. Do not set pkr any lower than 5585' and no higher 5435'. The original packer depth was 5459'. Pressure test csg to 1000 psi. 5hrs
  
- (15) RDMO Campbell tbg testers and inspection. 2hrs

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT #20-W-43  
API #43-037-16424 SECT 20, T41S - R24E  
NAVAJO TRIBAL  
SAN JUAN COUNTY, UTAH

- (16) Release on/off tool, circ. Pkr. Fluid (134bbbls of freshwater w/ 56gal of Baker Petrolite CRW 132F) latch on to pkr. 3hrs

*Note - Volume based on a pkr setting depth of 5459'*

- (17) ND BOP/Hydril, NU WH. 2hrs

*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 10% 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.*

- (18) Test tbg to 1000 psi and pump-out plug. 1hr

- (19) Clean location RDMO PU. 2hrs

- (20) Notify James Madison ( 970-565-1351) to perform PSSR and approve location before releasing roustabouts. 1hr

**RECEIVED**

APR 24 2000

DIVISION OF  
OIL, GAS AND MINING

**ATTACHMENT - FORM 3160-5  
 RATHERFORD UNIT #20-W-43  
 API #43-037-16424 SECT 20, T41S - R24E  
 NAVAJO TRIBAL  
 SAN JUAN COUNTY, UTAH**

**OVERALL OBJECTIVE:**  
 (1) To perforate tbg & kill well  
 (2) Change out wellhead  
 (3) Pull equipment, troubleshoot failure  
 (4) Test csg integrity  
 (5) RIH w/ replacement pkr equipment while testing tbg

Surface csg - 13 3/8",  
 21#, 175' w/ 175sx of cmt

Intermediate Csg - 8 5/8", 24#,  
 5, 1542' w/ 455sx of cmt

Prod Csg - 5 1/2", 14#, 15.5#,  
 J55, 5802' w/ 550 cu ft of cmt

**EXISTING EQUIPMENT**

Run time - 1/7/92

4" Arrow I pkr set  
 @5459'  
 174jts of 2 3/8" IPC  
 (TK70) tbg

174jts of 2 3/8" IPC tbg

Surface Csg Shoe @ 1542'

COMPLETION DATE: \_\_\_\_\_  
 TOTAL COST: \_\_\_\_\_

**NEW EQUIPMENT INFO**

4" permanent pkr  
 4" x 2 3/8" on/off tool w/  
 1.5" profile  
 174jts of 2 3/8" IPC  
 Note - This assumes the well is  
 repaired

TOC 2660'

Arrow Set I pkr @ 5459'

4" liner hanger @5369'

Perfs  
 5548'-5558' sqz'd  
 5570'-5629'

5631'-5654'  
 5656'-5662'

5726'-5734'

4" liner, 9.5#, 5369'to  
 5693' w/ 50sx of cmt

New PBTD 5666'  
 Orig PBTD 5771'  
 TD 5802'

**RECEIVED**

APR 24 2000

DIVISION OF  
 OIL, GAS AND MINING

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT #20-W-43  
API #43-037-16424 SECT 20, T41S - R24E  
NAVAJO TRIBAL  
SAN JUAN COUNTY, UTAH  
GENERAL AREA REQUIREMENTS

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DIVISION OF  
OIL, GAS AND MINING

1. ALL SAFETY GUIDELINES WILL BE FOLLOWED. INCLUDING PERSONAL PROTECTIVE EQUIPMENT; HARD HATS, ANSI BOOTS, AND SAFETY GLASSES WITH SIDE SHIELDS ARE REQUIRED. OTHER COMMON MISTAKES ARE RIG HANDRAILS NEED TO BE UP, LOCATIONS NEED TO BE NEAT AND ORDERLY, AND ALL VENDORS MUST HAVE ALL SAFETY TRAINING UP TO DATE INCLUDING DOCUMENTATION ON LOCATION. HYDRIL BOPS WILL BE USED ANY TIME SOMETHING IS IN THE WELL THAT THE BOP CANNOT CLOSE AROUND INCLUDING DRILL COLLARS AND SUB PUMPS.
2. NOTIFICATIONS - MUST BE NOTIFIED FOR LARGE SPILLS, WATER OR OIL > 10 BBLS

**Note: All Mobil Drilling Supervisors**

If spill occurs, take various pictures of spill before and after clean-up. Make sure all angles of spill are photographed.

Supervisors are to notify Carl Lakey and ExxonMobil EHS Techs ONLY --- Allow techs to notify appropriate agencies.

ExxonMobil Subsurface Supt - Rodney Bane 713-431-1087  
ExxonMobil Subsurface Engr - Max Boone 713-431-1253

**MUST BE NOTIFIED FOR ANY ACCIDENTS UP TO AND INCLUDING LOST TIME;**

ExxonMobil Operations Supt - Carl Lakey - 713-431-1782  
EHS McElmo Creek - Lee Benally 970-565-1309  
EHS Ratherford - 970-565-1344

**CASING LEAK RIG-UPS, SQUEEZE NOTIFICATIONS, AND QUESTIONS ABOUT PRESSURE TEST REQUIREMENTS;**

BLM - 505 599-8907, NOTIFY BEFORE SQUEEZE SO THEY CAN WITNESS IF THEY WANT

IF CASING LEAK IS A SURPRISE (WASN'T EXPECTED), DISCUSS PLAN WITH THE ENGINEER. THEN CALL WAYNE TOWNSEND 505 599-6359 AND DISCUSS THE PROBLEM AND PLAN. ENGR WILL PREPARE A DOCUMENTATION PROCEDURE TO SEND TO SHIRLEY HOUCHINS

3. WELL CONTROL. WELL SUBSEQUENTLY CONTROLLED WITH FRESH WATER, CLEAN 10# BRINE, HEAVY SALT MUD  $\text{CaCl}_2$  UP TO 11.6# w/0.1% *Safefreak CBF*, PARTICULATE  $\text{CaCO}_3$  MUD UP TO 12.6, AND BARITE MUD ABOVE 12.6#. FOR THE TIME BEING WE ARE AVOIDING SNUBBING UNITS.
4. RIG SUPERVISORS WILL MAKE EVERY ATTEMPT TO ENHANCE RELATIONSHIPS WITH RESIDENTS AND VENDORS, WITHOUT SIGNIFICANTLY IMPACTING COSTS. OBEY AND ENCOURAGE ALL YOU WORK WITH TO BE COURTEOUS AND STRICTLY OBEY SPEED LIMITS ON LEASE ROADS.
5. CASING LEAK SQUEEZES WILL BE DONE WITH CLASS G NEAT. SUCCESS RATE WITH THIS CEMENT FROM HALLIBURTON IS 80%. OTHER TECHNIQUES AND COMPANIES WILL NOT BE USED AS LONG AS SUCCESS RATE CONTINUES. INJECTORS HAVE TO PASS 1000# /30 MINS, PRODUCERS 500#/30 MINS. DO NOT TEST UNLESS YOU SUSPECT LEAK.
  - A. FOR SHALLOW LEAKS WITH NO CMT ON CASING ANNULUS, CONSIDER CUTTING OUT THE BAD SECTION OF PIPE, POH, AND TIE BACK AND CEMENT A NEW SECTION OF CASING.

**ATTACHMENT - FORM 3160-5  
RYTHERFORD UNIT #20-W-43  
API #43-037-16424 SECT 20, T41S - R24E  
NAVAJO TRIBAL  
SAN JUAN COUNTY, UTAH**

B. FOR BLEED OFF LEAKS SPOT CMT ACROSS AND ABOVE LEAK, PRESSURE UP TO 1500# UNTIL SQUEEZES. POH, SI BLINDS AND RE-PRESSURE UP TO 1500# SION W/PRESSURE ON SQUEEZE.

C. FOR EIR > 0.5 BPM AND LEAKS DEEPER THAN 1000' USE CMT RETAINER, SAME CEMENT. DO NOT DO NOT FAIL TO CALL OUT ENOUGH CEMENT TO SQUEEZE THE LEAK. THE EXTRA COST OF THE BULK CEMENT IS EASILY JUSTIFIED VS. THE COST OF A FAILED SQUEEZE DUE TO NOT ENOUGH CEMENT.

**RECEIVED**

APR 24 2000

DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Serial No.	<b>14-20-603</b>	<b>353</b>
6. If Indian, Allottee or Tribe Name	<b>NAVAJO TRIBAL</b>	
7. If Unit or CA/Agreement, Name and/or No.	<b>RATHERFORD UNIT</b>	
8. Well Name and No.	<b>RATHERFORD UNIT</b>	<b>20W43</b>
9. API Well No.	<b>43-037-16424</b>	
10. Field and Pool, or Exploratory Area	<b>GREATER ANETH</b>	
11. County or Parish, State	<b>SAN JUAN</b>	<b>UT</b>

**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 <b>INJECTION</b>	
2. Name of Operator <b>Exxon Mobil Corporation</b>	
3a. Address <b>P.O. Box 4358</b> <b>Houston TX 77210-4358</b>	3b. Phone No. (include area code) <b>(713) 431-1197</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Section 20, T-41-S, R-24-E 2070' FSL &amp; 810' FEL</b>	

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>Backside pressure - request TA status</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" 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.)

**We request that this well remain on TA status for 60 days.**

**We will review the situation on this well and, based on what we find, either repair and retest the well, or plug & abandon. We will give you a further update on our plans as soon as a determination is made.**

**RECEIVED**

COPY SENT TO OPERATOR  
Date: 4-28-00  
Initials: CHD

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

APR 27 2000

**DIVISION OF  
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Ellen M. Carroll</b>		<b>FOR RECORD ONLY</b>	Title <b>ST. Staff Office Assistant</b>		<b>ExxonMobil Production Company, A division of Exxon Mobil Corporation, acting for Mobil Producing Texas &amp; New Mexico Inc.</b>
Signature <i>Ellen M. Carroll</i>			Date <b>04/25/2000</b>		

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
	Office	<b>Federal Approval of this Action is Necessary</b>

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.	<b>14-20-603-247A</b>	<b>353</b>
6. If Indian, Allottee or Tribe Name	<b>NAVAJO TRIBAL</b>	
7. If Unit or CA/Agreement, Name and/or No.	<b>RATHERFORD UNIT</b>	
8. Well Name and No.	<b>RATHERFORD UNIT</b>	<b>20W43</b>
9. API Well No.	<b>43-037-16424</b>	
10. Field and Pool, or Exploratory Area	<b>GREATER ANETH</b>	
11. County or Parish, State	<b>SAN JUAN</b>	<b>UT</b>

**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 <b>INJECTION</b>	
2. Name of Operator <b>Mobil Producing TX. &amp; N.M. Inc.</b>	
3a. Address <b>P.O. Box 4358 Houston TX 77210-4358</b>	3b. Phone No. (include area code) <b>(713) 431-1197</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Section 20, T-41-S, R-24-E 2070' FSL &amp; 810' FEL</b>	

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If proposal is to deepen directionally or recompleat 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 recompleat 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 recalcatation, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached are the MIT results for Ratherford Unit #20W43 dated 7/25/2000.

The TA procedure outlined on the Sundry Notice dated 4/17/2000 was not performed. The Sundry Notice dated 4/25/2000 stated that we would either repair and retest, or plug and abandon depending on what our troubleshooting found. Since the well passed an MIT, we wish cancel these plans.

We request 1 year SI status for this well so that we may evaluate for possible future CO2 injection.

**RECEIVED**

SEP 19 2000

DIVISION OF  
OIL, GAS AND MINING

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

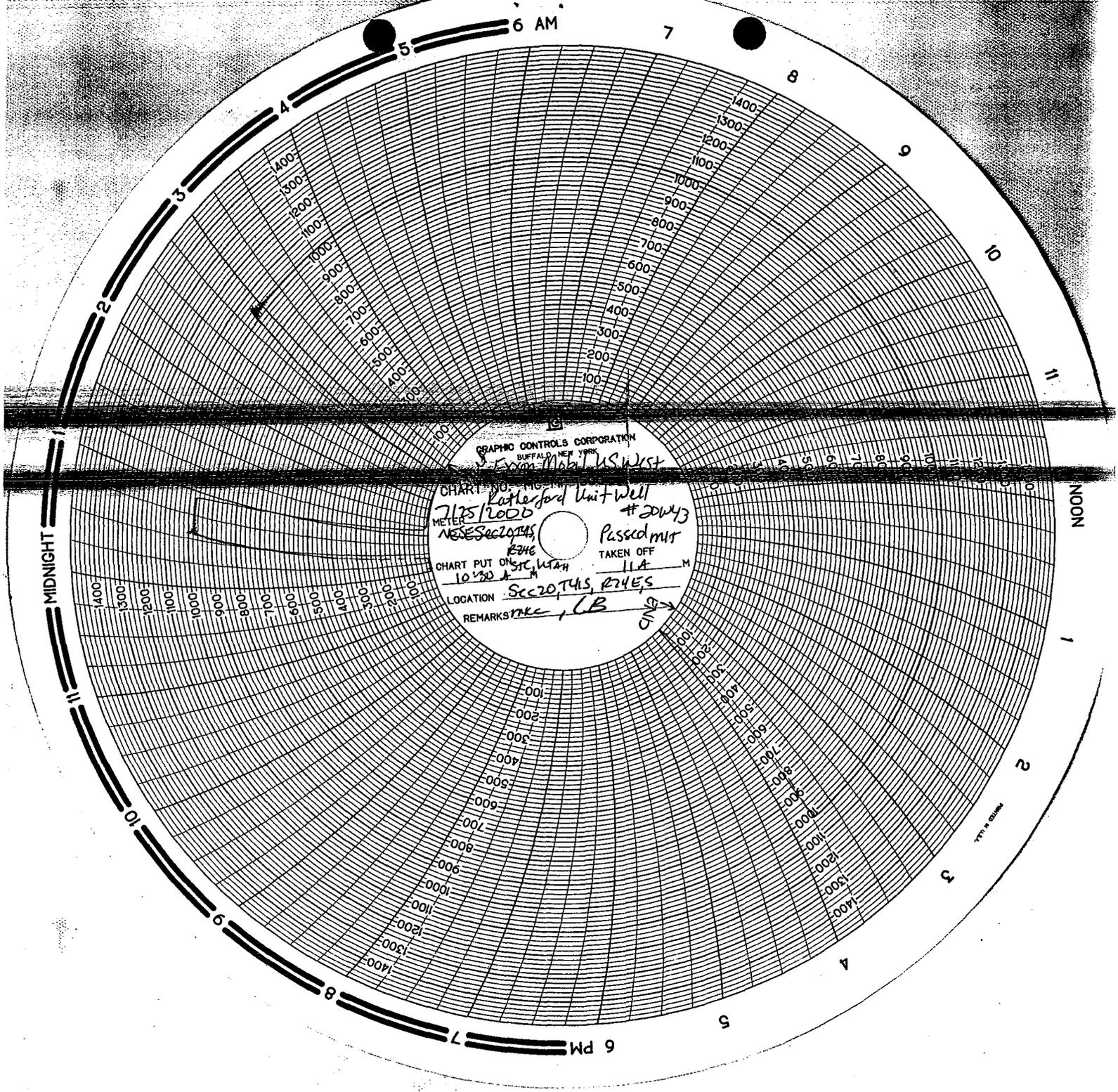
14. I hereby certify that the foregoing is true and correct		Title	ExxonMobil Production Company, A division of Exxon Mobil Corporation, acting for Mobil Producing Texas & New Mexico Inc.
Name (Printed/Typed)	<b>Ellen M. Carroll</b>	<b>Sr. Staff Office Assistant</b>	
Signature	<i>Ellen M. Carroll</i>	Date	<b>09/18/2000</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on Reverse)



**RECEIVED**

SEP 19 2000

DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

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

2. Name of Operator  
**Mobil Producing TX. & N.M. Inc.**

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)  
**Section 20, T-41-S, R-24-E 2070' FSL & 810' FEL**

5. Lease Serial No.  
**14-20-603 353**

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 20W43**

9. API Well No.  
**43-037-16424**

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

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

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 <b>Work on annular pressure - well now SI</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or 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 the work performed on Ratherford Unit 20W43 4/14/00 through 4/25/00.

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

RECEIVED  
OCT 29 2000  
OIL, GAS AND MINING DIVISION

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

Name (Printed/Typed) <b>Ellen M. Carroll</b>	Title <b>Sr. Staff Office Assistant</b>	<b>ExxonMobil Production Company</b>
Signature <i>Ellen M. Carroll</i>	Date <b>12/29/2000</b>	<b>A division of Exxon Mobil Corporation</b>
		<b>acting for Mobil Producing Texas &amp; New Mexico, Inc.</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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(Instructions on Reverse)

DETAILED DAILY REPORT  
RATHERFORD UNIT 20W43  
SAN JUAN COUNTY, UTAH  
API #43-037-16424

4/14/00

WELL HAD BACKSIDE PRESSURE OF 2600 PSI. MI DDP, FLAT TANKS-PUMP-BOP, MI 2 TEST TANKS, PIPE BLOWDOWN TO TANKS AND BACK FLOW WELL. MONITOR WELL FOR PRESSURE AND TUBING MOVEMENT.

4/15/00

MIRU WL, PERF TBG @ 4913', PUMP 18.3# MUD, ND WH FLANGE, NATIONAL TYPE E SLIP BOWL STUCK, UN-J FROM ON/OFF, WELL START TO FLOW UP BACKSIDE, NUBOP. PUMP IN REMAINING 18.3# MUD. MONITOR PRESSURE.

4/16/00

MONITOR WELL PRESSURE. NO PRESSURE GAIN OVERNIGHT. SICP 0 PSI 18.3# MUD IN HOLE.

4/17/00

Held meeting to discuss options. Pumped 19 ppg pill in tbg and csg to try to kill well. No luck. SITP and SICP both at 25 psi.

4/18/00

Able to kill casing and change out casing valves. Wind gusting to 70 MPH. Received verbal approval at 10:55 a.m. CDT from Jim Walker, US EPA and Steve Mason, BLM to proceed with emergency T/A procedure. SD overnight.

4/19/00

Able to kill well long enough to run an outside grapple and retrieve the slip bowl from the wellhead. Attempted to test BOPE with no luck. RU circulating lines.

4/20/00

Circulate 18.6 ppg KWF POOH with tbg, RIH and set CMT retainer @ 5251'.

4/21/00

Sting out of retainer, circulate the hole with fresh water, RU Dowell, unable to sting back into retainer, decide to spot 50 sacks on top of retainer, pump cmt, well out of balance, unable to balance out so reversed cmt out.

4/22/00

2nd attempt to balance plug on retainer. Same results, out of balance. Determined hole in tubing. Reverse cmt out and POOH to jt 89. HIT. Tubing standing full, unable pump out plug. SD to find mud bucket.

4/23/00

SD - Easter Sunday

4/24/00

RIH with workstring and circulate out remaining mud. POOH with workstring. RIH with kill string

4/25/00

Finish RIH with cmt lined tbg RDMO

Well is shut-in. Passed MIT 7/25/00.

RECEIVED

JAN 22 2001

DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Serial No.  
**14-20-603-247A 353**

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 20W43**

9. API Well No.

**43-037-16424**

**GREATER ANETH**

11. County or Parish, State

**SAN JUAN UT**

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

1. Type of Well

Oil Well  Gas Well  Other **INJECTION**

2. Name of Operator

**Exxon Mobil Corporation**

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

**Houston TX 77210-4358**

3b. Phone No. (include area code)

**(713) 431-1010**

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

**2070' FSL & 810' FEL**

**Sec 20 T41S R24E**

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

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

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

**ExxonMobil Oil Corporation request for extension of SI status for this well.**

**Well is being evaluated for future CO2 injection.**

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

**RECEIVED**

**COPY SENT TO OPERATOR**

Date: 12/3/01  
Initials: CHO

Date: 12-03-01  
By: [Signature]

NOV 28 2001

DIVISION OF  
OIL, GAS AND MINING

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

**Joel O. Talavera**

Title

**Regulatory Specialist**

Signature

[Signature]

Date

**11/27/2001**

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)

**ExxonMobil Production Company**

U.S. West

P.O. Box 4358

Houston, Texas 77210-4358

June 27, 2001

**ExxonMobil**  
*Production*

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

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

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

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

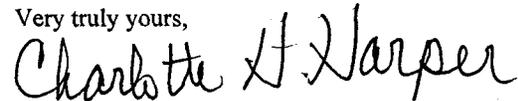
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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

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

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

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

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

RECEIVED

JUN 29 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS  
XXXXXXXXXXXXXXXXXXXX  
Navajo Area Office  
NAVAJO REGION

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

**AUG 30 2001**

IN REPLY REFER TO:

RRES/543

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

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

Dear Ms. Harper:

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

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

Sincerely,

**GENNI DENETSONE**

Regional Realty Officer

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

<b>MINERAL RESOURCES</b>	
ADM 1	<i>DBM</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

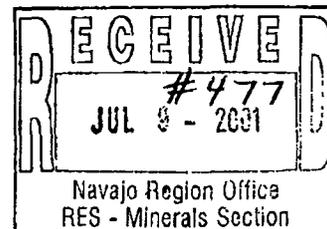
*AS 7/12/2001*  
*SH*  
*543*  
*File*

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.

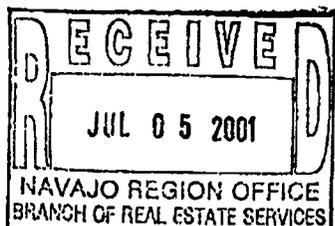
If you have any questions, please contact Alex Correa at (713) 431-1012.

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

**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.

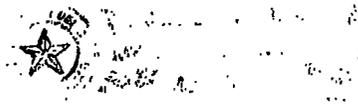
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Milligan  
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

1000 West Loop South, Suite 1900, Houston, Texas 77027-3301  
Houston, TX 77027-4600 • Fax: (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 12<sup>th</sup> of June, 2001.

**ExxonMobil Oil Corporation**

By:



**FEDERAL INSURANCE COMPANY**

By:

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



POWER OF ATTORNEY

Federal Insurance Company  
Vigilant Insurance Company  
Pacific Indemnity Company

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

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

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

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

Kenneth C. Wendel  
Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson  
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.  
County of Somerset

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



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

Karen A. Price  
Notary Public

Extract from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

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

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

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

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



Kenneth C. Wendel  
Kenneth C. Wendel, Assistant Secretary

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

CSC

5184334741

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

CSC

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

F010601000187

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

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

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

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

THIRD: That the amendments to the Certificates 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.

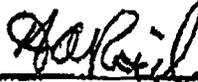
CSC  
CSC

5184334741

06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:06 NO.135 03/04

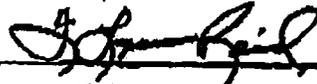
FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

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

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

STATE OF TEXAS        )  
COUNTY OF DALLAS    )

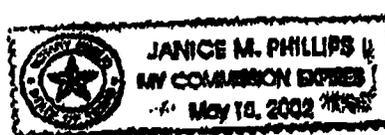
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

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

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

[SEAL]

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



CSC  
CSC

5184334741

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

**CSC 45**

**CERTIFICATE OF AMENDMENT**

**OF**

**MOBIL OIL CORPORATION**

Under Section 805 of the Business Corporation Law

*SAC*

**STATE OF NEW YORK  
DEPARTMENT OF STATE**

*100 cc*

Filed by: EXXONMOBIL CORPORATION  
(Name)

FILED JUN 01 2001

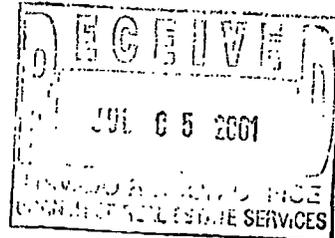
6959 Las Colinas Blvd.  
(Mailing address)

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

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

*ny Albany*

*Cust 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. Leuch", with a long horizontal line extending to the right.

*Special Deputy Secretary of State*

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective:		<b>06-01-2001</b>
<b>FROM:</b> (Old Operator):		<b>TO:</b> (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
NAVAJO B-6 (RATHERFORD 7W21)	07-41S-24E	43-037-16394	99990	INDIAN	WI	A
NAVAJO B-43-7 (RATHERFORD 7W43)	07-41S-24E	43-037-16395	99990	INDIAN	WI	A
NAVAJO 23-9 (RATHERFORD 9W23)	09-41S-24E	43-037-16398	99990	INDIAN	WI	A
RATHERFORD U 20W21	20-41S-24E	43-037-16423	99990	INDIAN	WI	A
DSRT A-19 (RATHERFORD 20W43)	20-41S-24E	43-037-16424	99990	INDIAN	WI	I
RATHERFORD 21W21	21-41S-24E	43-037-16425	99990	INDIAN	WI	A
NAVAJO B-10 (RATHERFORD 29W41)	29-41S-24E	43-037-16433	99990	INDIAN	WI	A
NAVAJO B-13 (RATHERFORD 29W43)	29-41S-24E	43-037-16434	99990	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 PERMITS**

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/18/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/18/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: N/A

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: N/A

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 80273197

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2)Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

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

**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

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

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input 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 checked="" 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.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) <u>Dwight E Malloy</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE	DATE <u>4/20/2006</u>

(This space for State use only)

**APPROVED** 6127106  
*Earlene Russell*  
Division of Oil, Gas and Mining (See Instructions on Reverse Side)  
Earlene Russell, Engineering Technician

**RECEIVED**  
**APR 24 2006**  
DIV. OF OIL, GAS & MINING

(5/2000)

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Ship Rock</b>
		7. UNIT or CA AGREEMENT NAME: <b>UTU68931A</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>	8. WELL NAME and NUMBER: <b>Ratherford</b>	
2. NAME OF OPERATOR: <b>ExxonMobil Oil Corporation</b> <i>N1855</i>		9. API NUMBER: <b>attached</b>
3. ADDRESS OF OPERATOR: <b>P.O. Box 4358</b> CITY <b>Houston</b> STATE <b>TX</b> ZIP <b>77210-4358</b>	PHONE NUMBER: <b>(281) 654-1936</b>	10. FIELD AND POOL, OR WILDCAT: <b>Aneth</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE:		COUNTY: <b>San Juan</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (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) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE <i>Laurie S. Kilbride</i>	DATE <u>4/19/2006</u>

(This space for State use only)

**APPROVED** 6/27/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician  
(See Instructions on Reverse Side)

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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