

FILE NOTATIONS:

Entered in NID File   
 Entered on S.R. Sheet   
 Location Map Pinned   
 Card Indexed   
 IWR for State or Fee Land

Checked by Chief   
 Copy NID to Field Office   
 Approval Letter   
 Disposal

COMPLETION DATA

Date Well Completed 12-24-58 Location Inspected   
 OW  WY  TA  Bond Returned   
 GW  OS  PA  State of Fee Land

LOGS FILED

Driller's Log: 12-12-58  
 Electric Logs (No.) 3  
 E  I  E-I  GR  GRN  Micro   
 Lat  Mi-L  Sonic  Others  Radioactive

Scout Report sent out



Noted in the NID File



Location map pinned



Approval or Disapproval Letter



Date Completed, P. & A, or  
operations suspended

---

Pin changed on location map



Affidavit and Record of A & P



Water Shut-Off Test



Gas-Oil Ratio Test



Well Log Filed





UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS:

DATE FILED **6-25-58** Nav-14-20-  
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN **603-353**

DRILLING APPROVED: **6-25-58**

SPUDED IN:

COMPLETED: **7-24-58**

INITIAL PRODUCTION: **300 300**

GRAVITY A. P. I.

GOR: \*

PRODUCING ZONES:

**050710**

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED:

FIELD OR DISTRICT: **Ratherford Aneth**

COUNTY: **San Juan**

WELL NO. **DESERT A-13 (Ratherford 17-32)**

**API 43-037-15729**

LOCATION: **1830** FT. FROM (N)  LINE, **2030** FT. FROM (E)  LINE, **SW NE** QUARTER - QUARTER SEC. **17**

**7**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<b>841 S</b>	<b>24 E</b>	<b>17</b>	<b>PHILLIPS</b> <i>Oil Co</i>				<b>PETROLEUM</b>

QUATERNARY	Star Point	Sinbad	Brazer
Recent	Wahweap	PERMIAN	Pilot shale
Alluvium	Masuk	Kaibab	Madison
Lake beds	Colorado	Coconino	Leadville
Pleistocene	Mancos	Cutler	Redwall
Lake beds	Upper	Hoskinnini 2494'	DEVONIAN
TERTIARY	Middle	DeChelly 2573'	Upper
Pliocene	Lower	White Rim	Middle
Humboldt	Emery	Organ Rock 2736'	Lower
Salt lake	Blue Gate	Cedar Mesa	Ouray
Miocene	Ferron	Halgaita tongue	Elbert
Bishop conglomerate	Frontier	Phosphoris	Guilmette
Oligocene	Dakota	Park City	Simonson dolomite
Norwood	Burro Canyon	Rico (Goodridge)	Sevy dolomite
Eocene	Cedar Mountain	Supai	North Point
Duchesne River	Buckhorn	Bird Springs	SILURIAN
Uinta	JURASSIC	CARBONIFEROUS	Laketown dolomite
Bridger	Morrison	Pennsylvanian	ORDOVICIAN
Green River	Salt Wash	Oquirrh	Eureka quartzite
Upper	San Rafael Gr.	Weber	Pogonip limestone
Middle	Summerville	Morgan	CAMBRIAN
Lower	Bluff sandstone	Hermosa E 4472	Lynch
Wasatch	Curtis	Upper	Bowman
Colton	Entrade	Lower	Tapeats
Flagstaff	Moab tongue	Molas	Ophir
Almy	Carmel	Paradox 5440 to 10	Tintic
Paleocene	Glen Canyon Gr.	A	PRE-CAMBRIAN
Current Creek	Navajo	B	
North Horn	Kayento	C	
CRETACEOUS	Wingate	Manning Canyon	
Montana	TRIASSIC	Mississippian	
Mesaverde	Chinle 1416'	Chainman shale	
Price River	Shinarump 2226'	Humbug	
Blackhawk	Moenkapi 25'	Joana limestone	

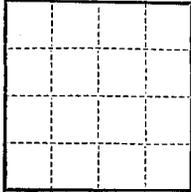
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 24-20-609-353



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)

Denver, Colorado June 23, 1958

Desert "A"  
Well No. 13 is located 1830 ft. from N line and 2030 ft. from W line of sec. 17  
SW/4 NE/4 Sec. 17 41S 24E 31M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Ratherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrick floor~~ ungraded ground above sea level is 4670 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 17-1/4" hole to approximately 150', set 150' of 13-3/8" conductor pipe and cement to surface. Drill 11" hole to approximately 1500', set 8-5/8" casing and cement to surface. Drill 7-7/8" hole to total depth of approximately 5700', run 5-1/2" casing and cement with approximately 250 sacks. 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 1200 Denver Club Building

Denver 2, Colorado

By W. C. Schul  
Title Division Superintendent

Company PHILLIPS PETROLEUM COMPANY

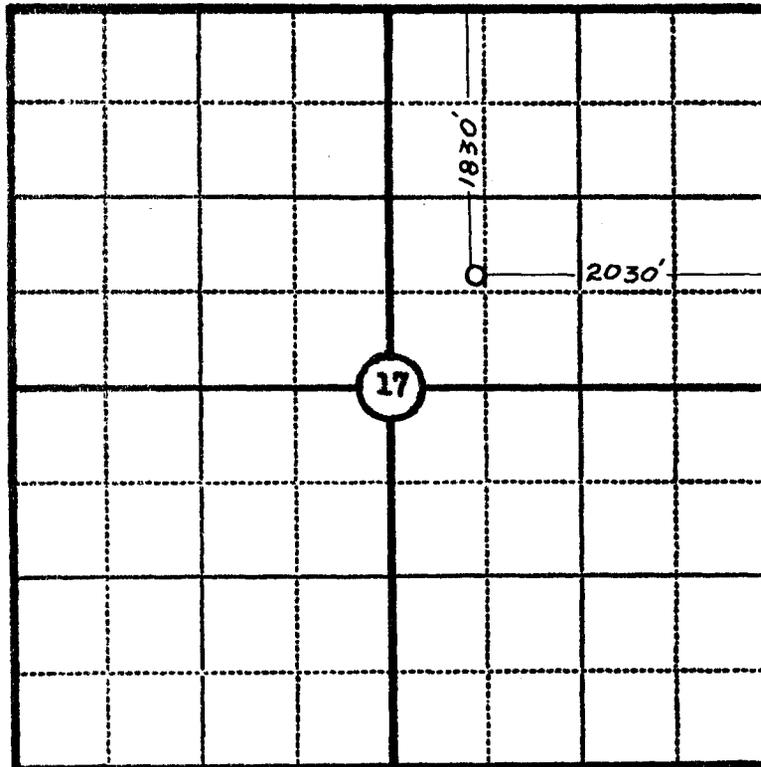
Lease DESERT "A" Well No. 19

Sec. 17, T41 SOUTH, R. 24 EAST S.L.M.

Location 1830' FROM THE NORTH LINE AND 2030' FROM THE EAST LINE.

Elevation 4670.0 UNGRADED GROUND

SAN JUAN COUNTY UTAH



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:

*James P. Leese*

Registered Land Surveyor.  
JAMES P. LEESE  
UTAH REG. NO. 1472

Surveyed 20 JUNE, 1958

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

June 25, 1958

Phillips Petroleum Company  
1200 Denver Club Building  
Denver 2, Colorado

Attention: W. M. Schul, Division Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Desert A-13, which is to be located 1830 feet from the north line and 2030 feet from the east line of Section 17, Township 41 South, Range 24 East, S1EM, San Juan County, Utah.

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

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

OLEON B. FREIGHT  
SECRETARY

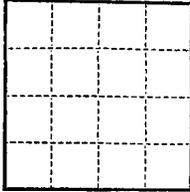
CBF:cn

cc: Phil McGrath  
USGS, Farmington,  
New Mexico

6

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

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

Denver, Colorado July 1, 1958

Desert "A"

Well No. 13 is located 1830 ft. from N line and 2030 ft. from E line of sec. 17

SW/4 NE/4 Sec. 17  
(1/4 Sec. and Sec. No.)

41S  
(Twp.)

24E  
(Range)

S1M  
(Meridian)

Rutherford  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the ~~ground~~ ungraded ground above sea level is 4670 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 1:30 A.M. June 29, 1958. Drilled 17 1/4" hole to 172'. Ran 13-3/8" O.P. 27.1# Armo S. SJ casing set at 171'. RKB. Cemented with 200 sacks regular cement, 25 CA CL. Pumped plug to 155' at 10:30 AM June 29, 1958. Cement circulated. WOC 24 hours, drilled plug, tested casing 500# for 30 minutes, held 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

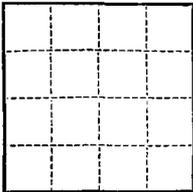
Address 1200 Denver Club Building

Denver 2, Colorado

By W. M. Schul  
W. M. Schul  
Title Division Superintendent

(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	<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)

July 3, 1958

Desert "A"  
Well No. 13 is located 1830 ft. from N line and 2030 ft. from E line of sec. 17  
SW/4 NE/4 Sec. 17 41S 24E 81M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Ratherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrick~~ ungraded ground floor above sea level is 4670 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)

Drilled to 1457'. Ran 8-5/8" CD 24# J-55 casing set at 1457 RKB. Cemented with 330 sacks regular cement, 126 sacks Diacel "D", 620# Cacl, 165# Floseal, 660# Tuf Plug, followed by 125 sacks of regular cement. Pumped plug to 1196' at 10:10 A.M. 7-1-58. Cement circulated. Set 1/2 hour, cement fall back 10'. Recemented outside casing to surface with 10 sacks. WBS 24 hours. Drilled plug and tested casing with 750# for 30 minutes, held OK.

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 1200 Denver Club Building  
Denver 2, Colorado

By W. M. Schul  
Title Division Superintendent



July 7, 1958

Phillips Petroleum Company  
1200 Denver Club Building  
Denver 2, Colorado

Attention: W. M. Schul, Division Superintendent

Gentlemen:

This is to acknowledge receipt of your letter of July 3, 1958.

Please be advised that we shall keep all information submitted by you on Well No. Desert A-13 "confidential", as well as all reports forthcoming on Wells No. Navajo A-2; A-6; A-7; A-8, as requested in your letter of April 28, 1958, and Well No. Navajo B-1, requested June 12, 1958.

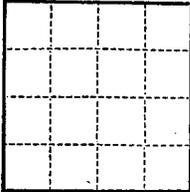
To eliminate any error that could possibly occur in our handling the reports that are sent in, it is requested that you mark C O N F I D E N T I A L on all future reports. Also, the envelope... which the reports are mailed in should be marked confidential.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

OLEON B. FEIGHT  
SECRETARY

CBF:en



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency Navajo  
Allottee Private  
Lease No. 14-80-403-353

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Denver, Colorado July 23, 19 58

Desert "A"  
Well No. 13 is located 1890 ft. from N line and 2090 ft. from E line of sec. 17  
S. 1/4 NW 1/4 Sec. 17 43S 24E 31M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Rutherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4672 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)

Drilled to 5666'. Ran 5-1/2" OF 14# and 15.5# J-55 casing set at 5664' RKB.  
Cemented with 132 sacks regular cement, 100 sacks Diacel "D", 496# calcium chloride. Total of 590 Cu. Ft. of 40% Diacel "D". mudded plug to 5629' at 1:40 p.m. 7-17-58. WC 24 hours, tested casing with 500# for 30 minutes, held OK.

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

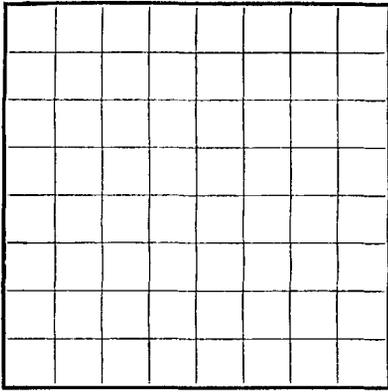
Address 1200 Denver Club Building

Denver 2, Colorado

By W. M. Tolul  
W. M. Tolul  
Division Superintendent

Title

Navajo  
U. S. LAND OFFICE **14-20-603-353**  
SERIAL NUMBER **Tribal**  
LEASE OR PERMIT TO PROSPECT .....



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Phillips Petroleum Address Box 548, Cortez, Colorado  
Lessor or Tract Desert "A" Field Rutherford State Utah  
Well No. 13 Sec 17 T. 41S R. 24E Meridian SLM County San Juan  
Location 1830 ft. N of Y Line and 2030 ft. E of Sec 17 Line of Sec 17 Elevation 4672  
(Derrick floor relative to sea level)

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

Date October 30, 1958 Signed [Signature] Title District Superintendent

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

Commenced drilling June 29, 1958 Finished drilling July 16, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5449 to 5574 No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13-3/8"	27.1	5J	Armaco	161	Baker		5449	5462	
8-5/8"	21.7	8 rd	J-55	1273	Baker		5472	5480	
5-1/2"	15.9	8 rd	J-55	174	Baker		5490	5498	
5-1/2"	14.7	8 rd	J-55	3519			5502	5512	
							5518	5530	
							5538	5548	
							5555	5574	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	171'	200 sck neat L.S. CG	Circ		
8-5/8"	1457'	800 cu. ft.	Circ		
5-1/2"	5664'	350 cu. ft.	Halliburton		

PLUGS AND ADAPTERS

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

FOLD MARK

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	171'	200 sk. neat. 4% CG	Circ		
8-5/8"	1157'	800 cu. ft.	Circ		
5-1/2"	5664'	350 cu. ft.	Halliburton		

**PLUGS AND ADAPTERS**

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

Adapters—Material ..... Size .....

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from 0 feet to 5666 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

**DATES**

October 30, 1958 ..... Put to producing July 24, 1958

The production for the first 24 hours was 206 barrels of fluid of which 100% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé. 41

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

Rock pressure, lbs. per sq. in. 250'

**EMPLOYEES**

Horan Bros, Inc. ...., Driller ..... , Driller

....., Driller ..... , Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
1416	2276	860	Chinle
2276	2345	69	Shinarump
2345	2494	149	Moencopd
2494	2573	79	Hockinini
2573	2736	163	DeChelly
2736	4472	1736	Organ Rock
4472	5440	968	Hermosa
5440	5666	226	Paradox
5628FB			Top of cement plug

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP DATE\*  
(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

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

17-32

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. 17-T41E-R24E

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, Wyoming 82601

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

1830' FEL & 2030' FEL, Sec. 17

14. PERMIT NO.

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

4674' HKB

12. COUNTY OR PARISH

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

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) **Sqs Zone II, Acidize Zone I**

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.)\*

Squeeze cement Desert Creek Zone II Perfs 5555-5574 with 250 sac Class C Cement, acidize w/10,000 gals 15% Acid (Zone I) in 5 stages, and return to production of Desert Creek Zone I perfs 5449-5462, 5472-5480, 5490-5498, 5502-5512, 5518-5530 and 5538-5548. FTD 5628'.

Present Production - Zone I Only-Packer Isolated Test 6 BOPD.  
Prior to Packer Test, Zone I and II commingled was 18 BOPD, 799 MFPD.

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

SIGNED

F. C. Morgan

TITLE Production Superintendent

DATE April 17, 1972

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

- 3 - U.S.G.S., Farmington, N. M.
- 2 - State of Utah, DMSCC, Salt Lake City, Utah
- 1 - File

\*See Instructions on Reverse Side

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

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

17-32

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. 17-41S-24E

1.

OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, Wyoming 82601

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

1830' FNL & 2030' FEL, Sec. 17

14. PERMIT NO.

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

4674' RKB

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)  Seq Zone II, Acidize Zone I

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

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

May 15, 1972 through May 19, 1972 Ran Baker Cement Retainer on 2-1/2" tubing and set at 5551'. Squeezed Zone II perfs. 5555' to 5574' with 165 sx at 4300# M.P., 4200# Holding Fr. Reversed out 135 sx. Acidised Zone I perfs 5449-5548 OA with 10,000 gals. 15% regular HCL Acid, 900 gals oil block and 7500 gals. oil flush in 5 stages. Oil blocks consisted of 1/4# Moth Balls per gal. oil.

Production Before: 1-12-72 Pumped 4 BOPD, 20 BOPD from Zone I only, Zone II isolated w/ pkr.

Last test before isolation of Zone II w/ pkr was 18 BOPD, 799BOPD

Production After Flowed 266 BU, 318 BW through 25/64" choke in 24 hrs. from Zone I perfs 5449-5548 OA FTP 115#

RECEIVED  
SUPERIOR OIL COMPANY

9-22-72

REC'D DEPT.

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

SIGNED

F. C. Morgan

TITLE Production Superintendent

DATE 9-22-72

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3 - USGS - Farmington, N.M.

2 - Utah O&G CC Salt Lake City\* See Instructions on Reverse Side

1 - Superior Oil Co. - Cortez, Colo.

1 - File

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 96-004192 ✓
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 Ratherford Unit ✓
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface See Attached		8. FARM OR LEASE NAME
14. PERMIT NO. See Attached		9. WELL NO.
15. ELEVATIONS (Show whether OF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT N/A
		11. SEC. T., R., M., OR BLK. AND SECTY OR AREA See Attached
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

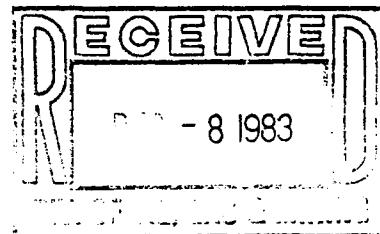
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>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

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

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

To show change of Operator only. Phillips Oil Company assumed operations effective December 1, 1983 from Phillips Petroleum Company. See attached for list of wells.

*100 wells  
17-82*



- |              |                     |                       |                         |
|--------------|---------------------|-----------------------|-------------------------|
| Org. & 3-BLM | 1-The Navajo Nation | 1-Robert Klabzuba     | 1-Shell Oil Co.         |
|              | 1-Mary Wiley Black  | 1-Micheal J. Moncrief | 1-Southland Royalty Co. |
|              | 1-Lawrence E. Brock | 1-Richard B. Moncrief | 1-Superior Oil Co.      |
|              | 1-Cheveron USA      | 1-Lee W. Moncrief     | 1-Leroy Shave           |
|              | 1-Ralph Fixel       | 1-Mary H. Morgan      | 1-Texaco, Inc.          |
|              | 1-Royal Hogan       | 1-W. A. Moncrief      | 1-Wade Wiley, Jr.       |
|              | 1-W. O. Keller      | 1-W. A. Moncrief, Jr. | 1-Edwin W. Word, Jr.    |
|              | 1-Dee Kelly Corp.   | 1-L. F. Peterson      | 1-File                  |

18. I hereby certify that the foregoing is true and correct  
SIGNED A. E. Stuart TITLE Area Manager DATE 12/6/83

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

<u>WELL NO.</u>	<u>WELL LOCATION</u>	<u>API NO.</u>	<u>STATUS</u>
E14-12	SW NW Sec.14-T41S-R24E	43-037-15998	Act.
E14-13	NW SW Sec.14-T41S-R24E	43-037-15999	SI
10-44	SE SE Sec.10-T41S-R24E	43-037-30451	Act.
15-12	SW NW Sec.15-T41S-R24E	43-037-15715	Act.
15-14	SW SW Sec.15-T41S-R24E	43-037-15716	SI
15-22	SE NW Sec.15-T41S-R24E	43-037-30449	Act.
15-32	SW NE Sec.15-T41S-R24E	43-037-15717	Act.
15-33	NW SE Sec.15-T41S-R24E	43-037-15718	SI
15-41	NE NE Sec.15-T41S-R24E	43-037-15719	Act.
15-42	SE NE Sec.15-T41S-R24E	43-037-3-448	SI
16-12	SW NW Sec.16-T41S-R24E	43-037-15720	Act.
16-14	SW SW Sec.16-T41S-R24E	43-037-15721	Act.
16-32	SW NE Sec.16-T41S-R24E	43-037-15723	Act.
16-34	SW SE Sec.16-T41S-R24E	43-037-15724	SI
16-41	NE NE Sec.16-T41S-R24E	43-037-15725	Act.
17-12	SW NW Sec.17-T41S-R24E	43-037-15726	Act.
17-14	SW SW Sec.17-T41S-R24E	43-037-15727	Act.
17-23	NE SW Sec.17-T41S-R24E	43-037-15728	Act.
17-32	SW NE Sec.17-T41S-R24E	43-037-15729	Act.
17-34	SW SE Sec.17-T41S-R24E	43-037-15730	Act.
17-41	NE NE Sec.17-T41S-R24E	43-037-15731	Act.
17-44	SE SE Sec.17-T41S-R24E	43-037-15732	Act.
18-11	NW NW Sec.18-T41S-R24E	43-037-15733	SI
18-13	NW SW Sec.18-T41S-R24E	43-037-15734	Act.
18-14	SW SW Sec.18-T41S-R24E	43-037-15735	Act.
18-23	NE SW Sec.18-T41S-R24E	43-037-30244	Act.
18-32	SW NE Sec.18-T41S-R24E	43-037-15736	Act.
18-34	SW SE Sec.18-T41S-R24E	43-037-15737	Act.
19-12	SW NW Sec.19-T41S-R24E	43-037-15739	Act.
19-14	SW SW Sec.19-T41S-R24E	43-037-15740	SI
19-32	SW NE Sec.19-T41S-R24E	43-037-15743	Act.
19-34	SW SE Sec.19-T41S-R24E	43-037-15744	Act.
20-12	SW NW Sec.20-T41S-R24E	43-037-15746	Act.
20-14	SW SW Sec.20-T41S-R24E	43-037-15747	Act.
20-32	SW NE Sec.20-T41S-R24E	43-037-15749	Act.
20-34	SW SE Sec.20-T41S-R24E	43-037-15750	Act.
21-12	SW NW Sec.21-T41S-R24E	43-037-15752	Act.
21-14	SW SW Sec.21-T41S-R24E	43-037-15753	Act.
21-23	NE SW Sec.21-T41S-R24E	43-037-13754	Act.
21-32	SW NE Sec.21-T41S-R24E	43-037-15755	Act.
21-33	NW SE Sec.21-T41S-R24E	43-037-30447	SI
21-34	SW SE Sec.21-T41S-R24E	43-037-15756	Act.
22-12	SW NW Sec.22-T41S-R24E	43-037-15757	SI
22-14	SW SW Sec.22-T41S-R24E	43-037-15758	SI
24-42	SE NE Sec.24-T41S-R24E	43-037-15863	Act.
28-11	NW NW Sec.28-T41S-R24E	43-037-30446	Act.
28-12	SW NW Sec.28-T41S-R24E	43-037-15336	Act.
29-12	SW NW Sec.29-T41S-R24E	43-037-15337	Act.
29-32	SW NE Sec.29-T41S-R24E	43-037-15339	Act.

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

SUBMIT IN TRIPlicate  
(Other instructions on reverse side)

Budget Bureau No. 1004-0138  
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.)

LEASER DESIGNATION AND SERIAL NO.  
14-20-603-353  
~~14-20-603-355~~

WELL NAME, ALLOTTEE OR TRUST NAME  
  
Navajo

**RECEIVED**

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Flowline</u>		7. WELL ASSIGNMENT NAME SW-I-4192
2. NAME OF OPERATOR Phillips Oil Company		8. FARM OR LEASER NAME Ratherford Unit
3. ADDRESS OF OPERATOR P. O. Box 2920 Casper, WY 82602		9. WELL NO. 17.32
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface SW SW Sec. 16 & SE SE Sec. 17 of T41S-R24E San Juan Co., Utah		10. FIELD AND POOL, OR WILDCAT Greater Aneth
14. PERMIT NO.		11. SEC., T., R., N., OR S.E. AND SURVEY OR AREA Sec. 16 & 17 T41S-R24E
15. ELEVATIONS (Show whether top, bottom, etc.) 4760' MSL		12. COUNTY OR PARISH San Juan Co.
		13. STATE Utah

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

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

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

Phillips Oil Company requests approval to install a flowline as shown on the attached Plat A-2A. This flowline will connect Tank Battery 1 with the Water Injection Plant. The line will be used to carry oil-water emulsion from the Water Injection Plant to Tank Battery 1. The proposed flowline will parallel an existing water line connecting the two locations.

- 5- BLM, Farmington
- 2- Utah O&GCC, Salt Lake City, Utah
- 1- P. J. Adamson
- 1- B. Conner, 318-B-TRW
- 1- J. R. Weichbrodt
- 1- C. M. Anderson
- 1- P. Rooney
- 1- File

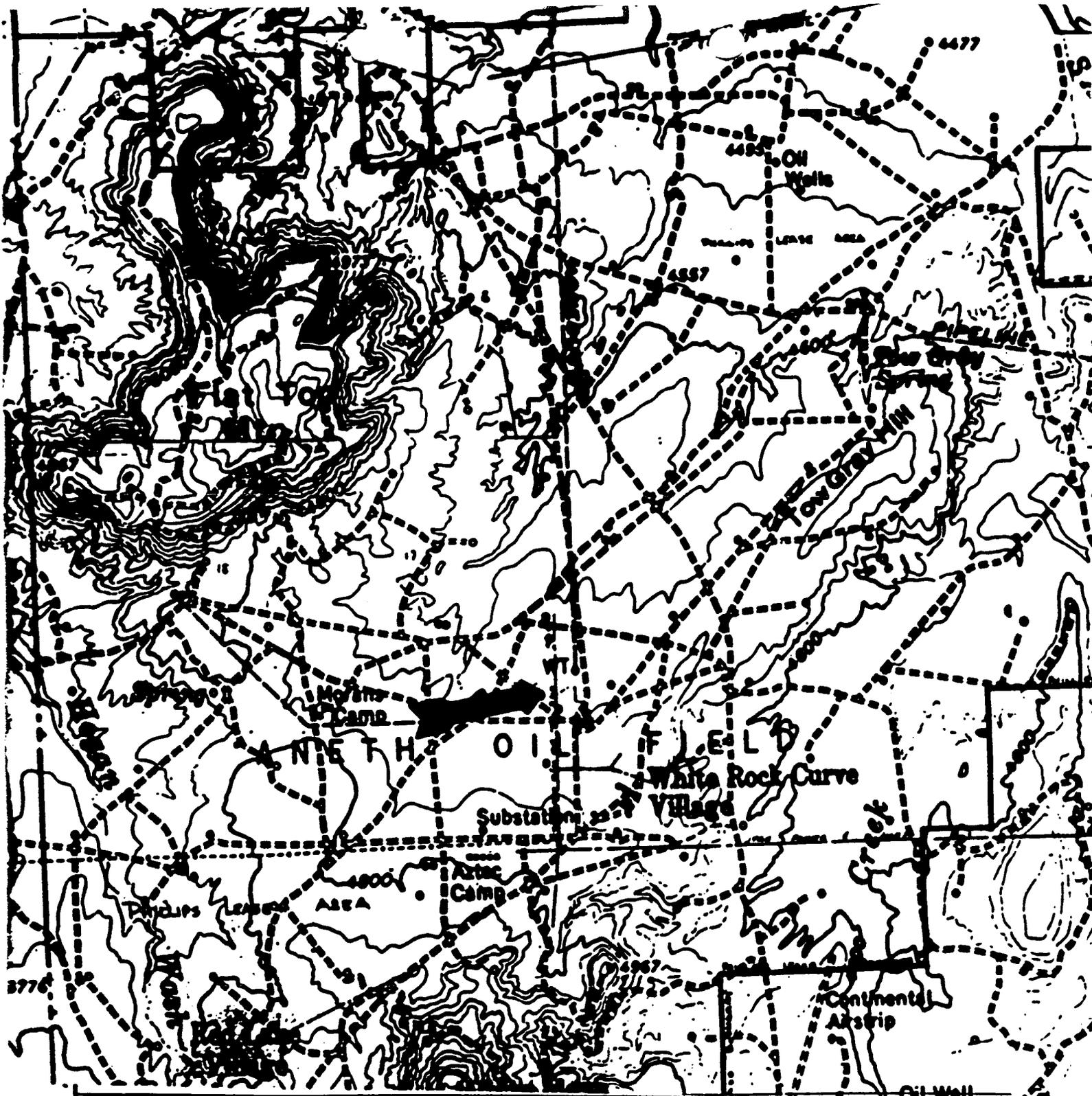
18. I hereby certify that the foregoing is true and correct

SIGNED A. E. Stuart TITLE Area Manager DATE February 4, 1985

(This space for Federal or State office use)

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

\*See instructions on Reverse Side



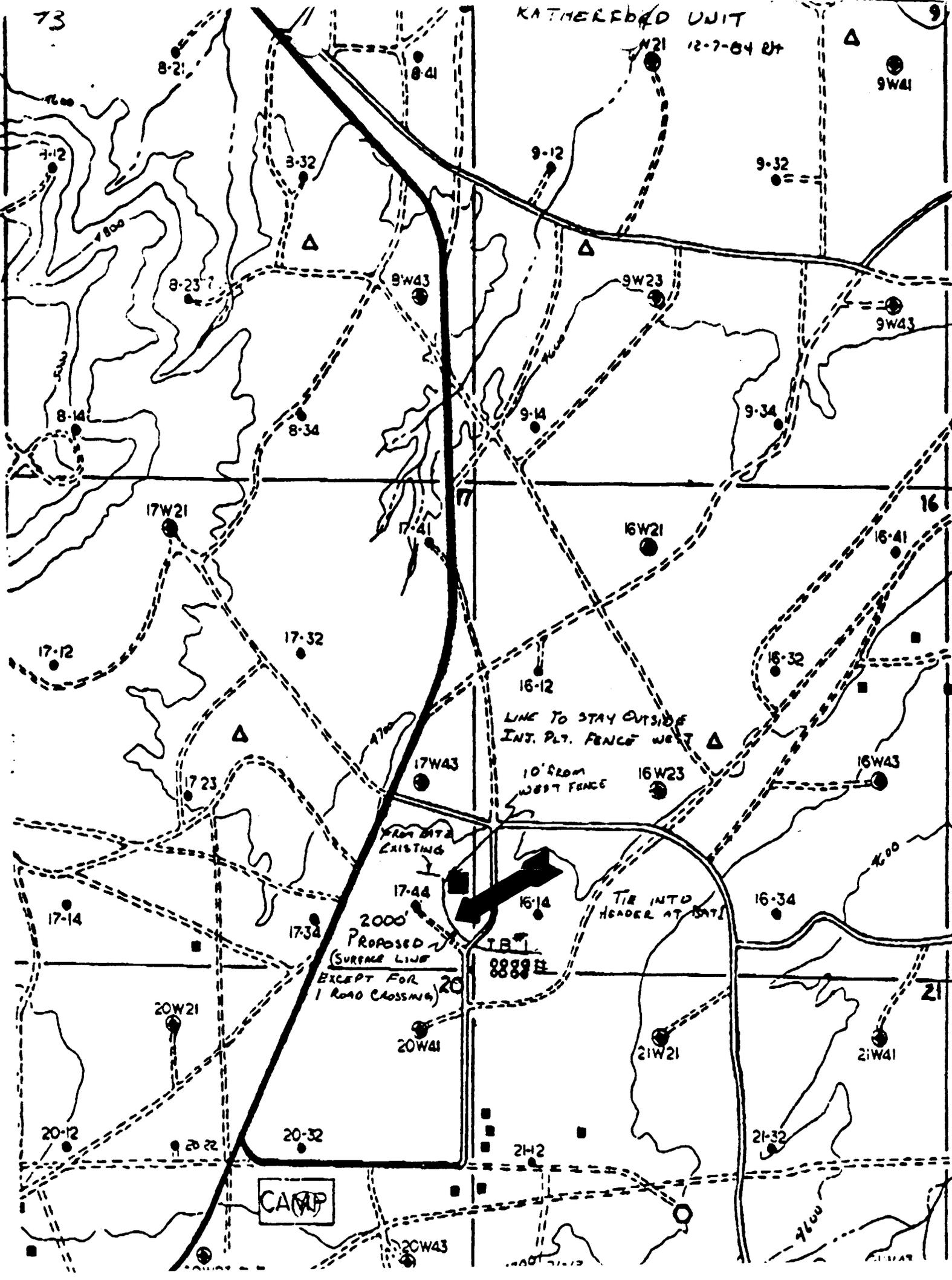
NO.	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS	 <b>PHILLIPS PETROLEUM COMPANY</b> BARTLESVILLE, OKLAHOMA		JA NO	FILE CODE	
FOR APPR			AFE NO	SCALE 2.2" = 1 mi	
FOR CONST			DWG NO <b>A 2 A</b>		
DRAWN	<b>RATHERFORD UNIT</b> <b>PROPOSED FLOWLINE PLAT</b> <b>SEC. 16 &amp; 17 T41S-R24E</b> <b>SAN JUAN CO., UTAH</b>			SH NO.	
CHECKED					
APP'D					

KATHERLED UNIT

12-7-84 DT

73

9



LINE TO STAY OUTSIDE  
INT. PLT. FENCE WEST  
10' FROM  
WEST FENCE

2000'  
PROPOSED  
(SURFACE LINE  
EXCEPT FOR  
1 ROAD CROSSING)

CAMP

TIE INTO  
HEADER AT INT.

FROM DATA  
EXISTING

T.B.  
8888

UIC CHECKLIST FOR APPLICATION APPROVAL

OPERATOR Phillips WELL NUMBER 17-32  
 SEC. 17 T. 41S R. 24E COUNTY San Juan  
 API # 43-037-15729

NEW WELL \_\_\_\_\_ DISPOSAL WELL \_\_\_\_\_ ENHANCED RECOVERY WELL ✓

- |                                  |                |             |
|----------------------------------|----------------|-------------|
| - Plat showing surface ownership | Yes _____      | No <u>✓</u> |
| - Application forms complete     | Yes <u>✓</u>   | No _____    |
| - Schematic of well bore         | Yes <u>✓</u>   | No _____    |
| - Adequate geologic information  | Yes * <u>✓</u> | No _____    |
| - Rate and Pressure information  | Yes * <u>✓</u> | No _____    |
| - Fluid source                   | Yes * <u>✓</u> | No _____    |
| - Analysis of formation fluid    | Yes * <u>✓</u> | No _____    |
| - Analysis of injection fluid    | Yes * <u>✓</u> | No _____    |
| - USDW information               | Yes * <u>✓</u> | No _____    |
| - Mechanical integrity test      | Yes _____      | No <u>✓</u> |

Number of wells in 2 mile radius WIPA 0 Prod 11 Inj 1

Comments: 500 BWPD, 3000 psig  
13 3/8" surface, 8 5/8" intermediate, 5 1/2" production

\* Info submitted Feb. 1986

Reviewed by Dorothy Swindler 8/20/86

Operator

Phillips Petroleum

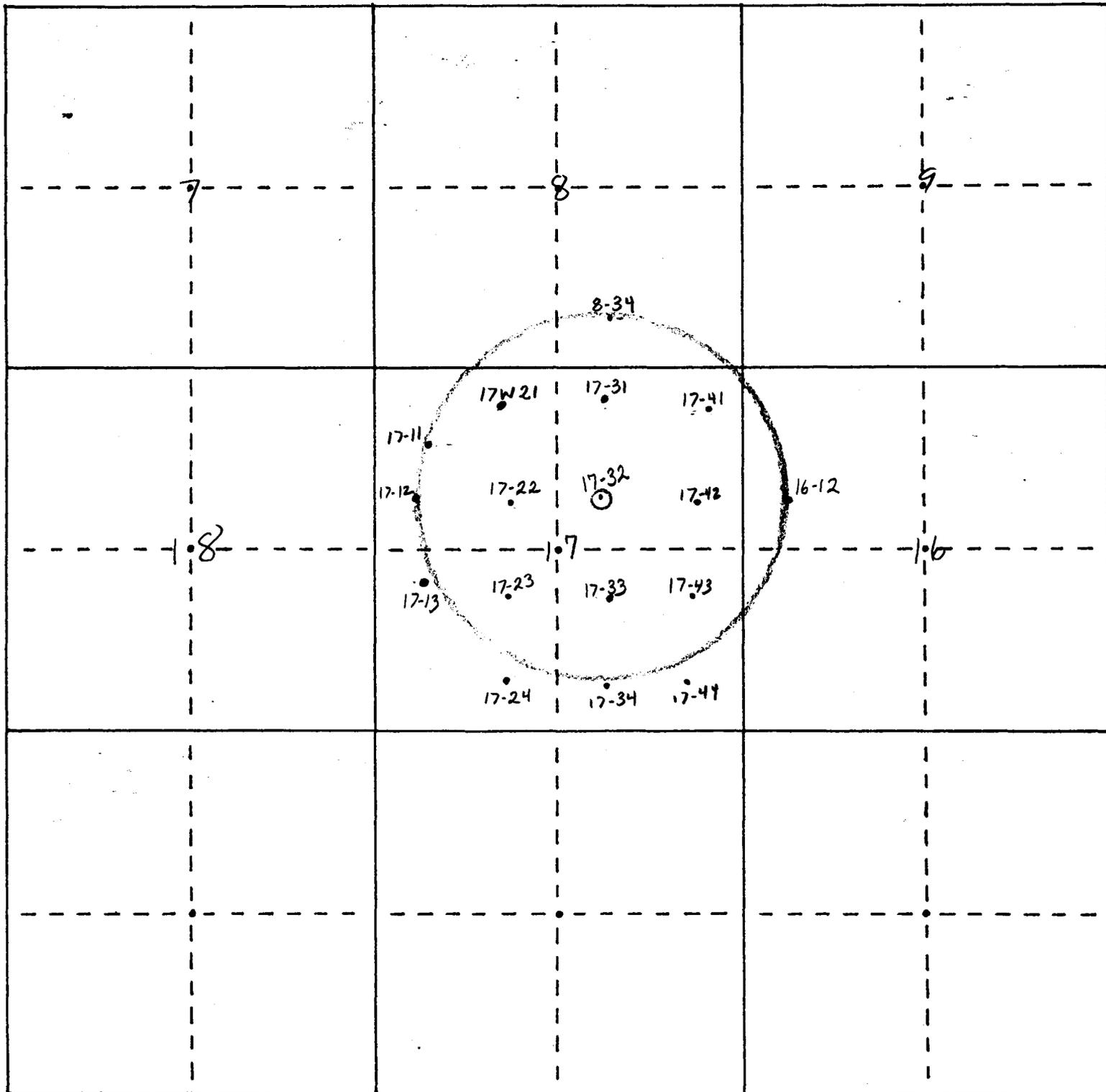
Well

Rutherford Unit 17-32

Location

1830 FNL, 2030 FEL

Sec. 17, T41S, R24E





STATE OF UTAH  
 NATURAL RESOURCES  
 Oil, Gas & Mining

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

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

September 11, 1986

San Juan Record  
 P.O. Box 879  
 937 East Highway 666  
 Monticello, Utah 84535

Gentlemen:

RE: Cause No. UIC-087

Enclosed is a Notice of Application of Administrative Approval before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 24th day of September, 1986. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

*Marjorie L. Anderson*  
 for  
 Marjorie L. Anderson  
 Administrative Assistant

mfp

Enclosure



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

September 11, 1986

Newspaper Agency Corporation  
Legal Advertising  
143 South Main - Mezzanine Floor  
Salt Lake City, Utah 84110

Gentlemen:

RE: Cause No. UIC-087

Enclosed is a Notice of Application of Administrative Approval before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 24th day of September, 1986. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

A handwritten signature in cursive script that reads "Marjorie L. Anderson".

for  
Marjorie L. Anderson  
Administrative Assistant

mfp

Enclosure

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

---oo0oo---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-087  
OF PHILLIPS PETROLEUM COMPANY, :  
FOR ADMINISTRATIVE APPROVAL TO :  
INJECT FLUID INTO WELLS TO BE :  
CONVERTED TO ENHANCED RECOVERY :  
INJECTION WELLS LOCATED IN :  
SECTIONS 11, 12, AND 13, TOWN- :  
SHIP 41 SOUTH, RANGE 23 EAST; AND :  
SECTIONS 8, 17 AND 18, TOWNSHIP :  
41 SOUTH, RANGE 24 EAST, S.L.M., :  
SAN JUAN COUNTY, UTAH :

---oo0oo---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED  
MATTER.

Notice is hereby given that Phillips Petroleum Company, Box 2920,  
Casper, Wyoming 82602, has requested administrative approval from the  
Division to convert the following listed wells to enhanced recovery  
water injection wells:

RATHERFORD UNIT - San Juan County, Utah

#11W42, Sec. 11, T41S, R23E	#13W22, Sec. 13, T41S, R23E
#12W11, Sec. 12, T41S, R23E	#13W33, Sec. 13, T41S, R23E
#12W24, Sec. 12, T41S, R23E	# 8W34, Sec. 8, T41S, R24E
#12W33, Sec. 12, T41S, R23E	#17W32, Sec. 17, T41S, R24E
#13W11, Sec. 13, T41S, R23E	#18W12, Sec. 18, T41S, R24E
#13W13, Sec. 13, T41S, R23E	

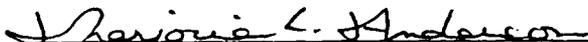
The proposed operating data for the wells is as follows:

INJECTION INTERVAL: Paradox Formation 5303' - 5548'  
MAXIMUM ESTIMATED SURFACE PRESSURE: 3000 psig  
MAXIMUM ESTIMATED WATER INJECTION RATE: 500 BWPD

Approval of this Application will be granted unless any objections  
are filed with the Division of Oil, Gas and Mining within fifteen days  
after publication of this Notice. Objections should be mailed to the  
Division of Oil, Gas and Mining, Attention: UIC Program Manager, 355  
West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah  
84180-1203.

DATED this 8th day of September, 1986.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

  
MARJORIE L. ANDERSON  
Administrative Assistant



**PHILLIPS PETROLEUM COMPANY**

CASPER, WYOMING 82602  
BOX 2920

EXPLORATION AND PRODUCTION GROUP

August 14, 1986

**RECEIVED**  
AUG 15 1986  
DIVISION OF  
OIL, GAS & MINING

State of Utah  
Division of Oil, Gas, and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: Gil Hunt

RE: Ratherford Unit  
San Juan County  
Class II Injection Well  
Conversions

Dear Mr. Hunt:

Enclosed are applications of conversions for the last eleven wells in the Ratherford Unit Conversion Program. The well numbers are:

	12-W11	13-W11	13-W33
8W34	12-W24	13-W13	17-W32
11W42	12-W33	13-W22	18-W12

We have listed, on each well bore schematic, the logs on file for that well. We have also enclosed a copy of our letters to mineral lease operators and landowners in the area informing them of these proposed well conversions. Please refer to the attachment package of February and June 1986 for other required information. Please contact Renee Taylor at (307) 237-3791 with any questions.

Thank you for your help in making this conversion program run smoothly.

Sincerely,

PHILLIPS PETROLEUM COMPANY

D. C. Gill  
Area Manager

RGT/fb (23)

Attach

cc: B. J. Murphy - Casper w/o attach  
J. R. Reno - Cortez w/attach.  
Casper RC



**PHILLIPS PETROLEUM COMPANY**

CASPER, WYOMING 82602  
BOX 2920, Casper, Wyoming 82602

EXPLORATION AND PRODUCTION GROUP

August 14, 1986

Navajo Tribe  
Department of Water Management  
P. O. Box 308  
Window Rock, AZ 86515

Attn: Masued Uz Zaman

Re: Ratherford Unit  
Injection Well Conversions

Dear Sirs,

Phillips Petroleum Company has made application to the State of Utah, Division of Oil, Gas and Mining to convert eleven existing producing wells to water injection wells in the Ratherford Unit secondary recovery project. The revised rule 502(b)(12) requires that you are notified of these plans and are provided with a copy of the application for injection well (Form DOGM-UIC-1). Under Rule 503 you are provided with the opportunity to object to the proposed application.

"Applications for Injection Well" are attached for the following existing wells:

	12W11	13W11	13W33
8W34	12W24	13W13	17W32
11W42	12W33	13W22	18W12

Please contact Renee Taylor or Blair Murphy at (307) 237-3791 with any questions.

Sincerely,

Original Signed By:  
D. C. GILL

D. C. Gill  
Area Manager

RCT/fb (17)

cc: B. J. Murphy-Casper  
J. R. Reno-Cortez  
St. of Utah OG&M/UIC  
Casper-RC



**PHILLIPS PETROLEUM COMPANY**

CASPER, WYOMING 82602

BOX 2920

P.O. Box 2920, Casper, Wyoming 82602

EXPLORATION AND PRODUCTION GROUP

August 14, 1986

Mobil Oil Corp.  
P.O. Box 5444  
Denver, CO 80217  
Attn: Joint Interest Advisor

Re: Ratherford Unit  
Injection Well Conversions

Dear Sirs,

Phillips Petroleum Company has made application to the State of Utah, Division of Oil, Gas and Mining to convert eleven existing producing wells to water injection wells in the Ratherford Unit secondary recovery project. The revised rule 502(b)(12) requires that you are notified of these plans and are provided with a copy of the application for injection well (Form DOGM-UIC-1). Under Rule 503 you are provided with the opportunity to object to the proposed application.

"Applications for Injection Well" are attached for the following existing wells:

	12W11	13W11	13W33
8W34	12W24	13W13	17W32
11W42	12W33	13W22	18W12

Please contact Renee Taylor or Blair Murphy at (307) 237-3791 with any questions.

Sincerely,

Original Signed By:

D. C. GILL

D. C. Gill  
Area Manager

RCT/fb (17)

cc: B. J. Murphy-Casper  
J. R. Reno-Cortez  
St. of Utah OG&M/UIC  
Casper-RC



**PHILLIPS PETROLEUM COMPANY**

CASPER, WYOMING 82602  
BOX 2920 BOX 2920, Casper, Wyoming 82602

EXPLORATION AND PRODUCTION GROUP

August 14, 1986

Texaco, Inc.  
P.O. Box 3360  
Casper, WY 82602  
Attn: A. J. Sanford

Re: Ratherford Unit  
Injection Well Conversions

Dear Sirs,

Phillips Petroleum Company has made application to the State of Utah, Division of Oil, Gas and Mining to convert eleven existing producing wells to water injection wells in the Ratherford Unit secondary recovery project. The revised rule 502(b)(12) requires that you are notified of these plans and are provided with a copy of the application for injection well (Form DOGM-UIC-1). Under Rule 503 you are provided with the opportunity to object to the proposed application.

"Applications for Injection Well" are attached for the following existing wells:

	12W11	13W11	13W33
8W34	12W24	13W13	17W32
11W42	12W33	13W22	18W12

Please contact Renee Taylor or Blair Murphy at (307) 237-3791 with any questions.

Sincerely,

Original Signed By:

D. C. GILL

D. C. Gill

Area Manager

RCT/fb (17)

cc: B. J. Murphy-Casper  
J. R. Reno-Cortez  
St. of Utah OG&M/UIC  
Casper-RC

Publication was sent to the following:

Phillips Petroleum Company  
Box 2920  
Casper, Wyoming 82602

San Juan Record  
PO Box 879  
937 East Highway 666  
Monticello, Utah 84535

Newspaper Agency  
Legal Advertising  
Mezzanine Floor  
143 South Main  
Salt Lake City, Utah 84110

Utah State Department of Health  
Water Pollution Control  
Attn: Loren Morton  
4241 State Office Building  
Salt Lake City, Utah 84114

U.S. Environmental Protection Agency  
Suite 1300  
Attn: Mike Strieby  
999 18th Street  
Denver, Colorado 80202-2413

Bureau of Land Management  
Consolidated Financial Center  
324 South State Street  
Salt Lake City, Utah 84111-2303

Bureau of Land Management  
Fluid Minerals Caller Service #4104  
Farmington, New Mexico 87499

Navajo Tribe  
Department of Water Management  
PO Box 308  
Window Rock Arizona 86515  
Attn: Masued Uz Zaman

Mobil Oil Corporation  
PO Box 5444  
Denver, Colorado 80217

Texaco, Inc.  
PO Box 3360  
Casper, Wyoming 82602  
Attn: A.J. Sanford

*Sept 11, 1986*  
*Marilynne Loubser*

**RECEIVED**  
AUG 15 1986

APPLICATION FOR INJECTION WELL

DIVISION OF  
OIL, GAS & MINING

Operator: Phillips Petroleum Company

Telephone: (307) 237-3791

Address: P. O. Box 2920

City: Casper State: Wyoming Zip: 82602

Well no.: 17 W 32 Field or Unit name: Ratherford Unit

Sec.: 17 Twp.: 41S Rng.: 24E County: San Juan Lease no. 14-20-603-353

	<u>YES</u>	<u>NO</u>
Is this application for expansion of an existing project?.....	<u>X</u>	<u>      </u>
Will the proposed well be used for: Enhanced recovery?.....	<u>X</u>	<u>      </u>
Disposal?.....	<u>      </u>	<u>X</u>
Storage?.....	<u>      </u>	<u>X</u>
Is this application for a new well to be drilled?.....	<u>      </u>	<u>X</u>
Has a casing test been performed for an existing well?.....	<u>      </u>	<u>X</u>
(If yes, date of test: _____)		

Injection interval: from 5449 to 5548

Maximum injection: rate 500 BWPD pressure 3000 psig

Injection zone contains X oil, X gas or \_\_\_\_\_ fresh water within 1/2 mile.

Additional information as required by Rule 502 should accompany this form.

I hereby certify that the foregoing is true and correct to the best of my knowledge:

Signed: D.C. Gill Title: Area Manager Date: 8/13/86  
D.C. Gill

(This space for DOGM approval)

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

LOCATION: SWNE Sec 17 - T41S - R24 E

FIELD: GREATER ANETH

RESERVOIR: Desert Creek Zone I

W. COMPLETION: Injector  
PRESENT STATUS: Conversion

RKB 4682  
GL 4670



SURFACE CASING: 3 3/8"  
27.1# ARMCO

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

PRODUCTION CASING: 5 1/2"  
15.5# 14# J-55

Well #: 17W32

1457

PERFORATIONS:

- 5449-5462
- 5472-80
- 5490-98
- 5502-12
- 5518-30
- 5538-48

PACKER: Baker Model AB  
Tension Type or Similar Act.  
at 53049

- Logs on file: \_\_\_\_\_
- Gamma Ray
  - SP
  - Neutron Porosity
  - Electrical Resistivity
  - Caliper
  - Microlog

PBTD: 5555  
OTD: 5666

5664'

Phillips Petroleum Company



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

101703

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

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

October 9, 1986

Phillips Petroleum Company  
P.O. Box 2920  
Casper, Wyoming 82602

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-087

Insofar as this Division is concerned, administrative approval is hereby granted to convert the following wells to Class II enhanced recovery water injection wells:

RATHERFORD UNIT - San Juan County, Utah

#11W42, Sec. 11, T41S, R23E	#13W22, Sec. 13, T41S, R23E
#12W11, Sec. 12, T41S, R23E	#13W33, Sec. 13, T41S, R23E
#12W24, Sec. 12, T41S, R23E	# 8W34, Sec. 8, T41S, R24E
#12W33, Sec. 12, T41S, R23E	#17W32, Sec. 17, T41S, R24E
#13W11, Sec. 13, T41S, R23E	#18W12, Sec. 18, T41S, R24E
#13W13, Sec. 13, T41S, R23S	

This approval is conditional upon full compliance with the UIC rules and regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the wells as outlined in the application submitted.

If you have any questions concerning this matter, please do not hesitate to call or write.

Best regards,

Dianne R. Nielson  
Director

mfp  
7627U

Affidavit of Publication

RECEIVED ADM-358 OCT 01 1986

STATE OF UTAH,

SS.

County of Salt Lake

DIVISION OF OIL, GAS & MINING

CHRIS. ANDERSON

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH CAUSE NO. UIC-087 IN THE MATTER OF THE APPLICATION OF PHILLIPS PETROLEUM COMPANY, FOR THE ADMINISTRATIVE APPROVAL TO INJECT FLUID INTO WELLS TO BE CONVERTED TO ENHANCED RECOVERY INJECTION WELLS LOCATED IN SECTIONS 11, 12, AND 13, TOWNSHIP 41 SOUTH, RANGE 23 EAST; AND SECTIONS 8, 17 AND 18, TOWNSHIP 41 SOUTH, RANGE 24 EAST, S.L.M., SAN JUAN COUNTY, UTAH. THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER. Notice is hereby given that Phillips Petroleum Company, Box 2920, Casper, Wyoming 82602, has requested administrative approval from the Division to convert the following listed wells to enhanced recovery water injection wells: RATHERFORD UNIT - San Juan County, Utah #11W42, Sec. 11, T41S, R23E #13W22, Sec. 13, T41S, R23E #12W11, Sec. 12, T41S, R23E #13W33, Sec. 13, T41S, R23E #12W24, Sec. 12, T41S, R23E #8W34, Sec. 8, T41S, R24E #12W33, Sec. 12, T41S, R23E #17W32, Sec. 17, T41S, R24E #13W11, Sec. 13, T41S, R23E #18W12, Sec. 18, T41S, R24E #13W13, Sec. 13, T41S, R23E The proposed operating data for the wells is as follows: Injection Interval: Paradox Formation 5303-5548' Maximum Estimated Surface Pressure: 3000 psig Maximum Estimated Water Injection Rate: 500 BWPD Approval of this Application will be granted unless any objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections should be mailed to the Division of Oil, Gas and Mining, Attention: UIC Program Manager, 335 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203. DATED this 8th day of September, 1986. STATE OF UTAH DIVISION OF OIL, GAS AND MINING MARJORIE L. ANDERSON Administrative Assistant A-75

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

CAUSE #UIC-087

was published in said newspaper on

SEPT 18, 1986

[Signature] Legal Advertising Clerk

Subscribed and sworn to before me this 30th day of

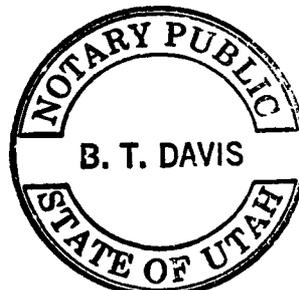
SEPTEMBER A.D. 19 86

B. T. Davis

Notary Public

My Commission Expires

MARCH 01, 1988



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
SALT LAKE CITY, UTAH

IN THE MATTER OF THE APPLICATION OF  
PHILLIPS PETROLEUM COMPANY, FOR  
ADMINISTRATIVE APPROVAL TO INJECT  
FLUID INTO WELLS TO BE CONVERTED TO  
ENHANCED RECOVERY INJECTION WELLS  
LOCATED IN SECTIONS 11, 12, AND 13,  
TOWNSHIP 41 SOUTH, RANGE 23 EAST;  
AND SECTIONS 8, 17, AND 18, TOWNSHIP 41  
SOUTH, RANGE 24 EAST, S.L.M., SAN JUAN  
COUNTY, UTAH

\*\*\*\*\*  
CASE NO. UIC-087

THE STATE OF UTAH TO ALL  
INTERESTED PARTIES IN THE ABOVE  
ENTITLED MATTER.

Notice is hereby given that Phillips  
Petroleum Company, Box 2920, Casper,  
Wyoming 82602, has requested admini-  
strative approval from the Division to  
convert the following listed wells to  
enhanced recovery water injection wells:

- RATHERFORD UNIT —  
San Juan County, Utah
- #11W42, Sec. 11, T41S, R23E
- #12W11, Sec. 12, T41S, R23E
- #12W24, Sec. 12, T41S, R23E
- #12W33, Sec. 12, T41S, R23E
- #13W11, Sec. 13, T41S, R23E
- #13W13, Sec. 13, T41S, R23E
- #13W22, Sec. 13, T41S, R23E
- #13W33, Sec. 13, T41S, R23E
- #8W34, Sec. 8, T41S, R24E
- #17W32, Sec. 17, T41S, R24E
- #18W12, Sec. 18, T41S, R24E

The proposed operating data for the wells  
is as follows:

INJECTION INTERVAL: Paradox Forma-  
tion 5303' - 5548'  
MAXIMUM ESTIMATED SURFACE  
PRESSURE: 3000 psig.  
MAXIMUM ESTIMATED WATER INJE-  
CTION RATE: 500 BWPD.

Approval of this Application will be  
granted unless any objections are filed with  
the Division of Oil, Gas and Mining within  
fifteen days after publication of this Notice.  
Objections should be mailed to the Division  
of Oil, Gas and Mining, Attention: UIC  
Program Manager, 355 West North Temple, 3  
Triad Center, Suite 350, Salt Lake City, Utah  
84180-1203.

DATED this 8th day of September, 1986.  
STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
s: MARJORIE L. ANDERSON  
Administrative Assistant

Published in The San Juan Record  
September 24, 1986.

Number of The San  
at Monticello,  
1986,  
NO. UIC-087

a copy of which is hereunto attached, was published in the regular and entire issue  
of each number of said newspaper for a period of one issues, the  
first publication having been made on September 24, 1986.  
last publication having been made on \_\_\_\_\_

*Joyce A. Marked*  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me this 24th day of September

A.D. 1986

*Ingrid K. Adams*  
\_\_\_\_\_  
Notary Public residing at Monticello, Utah

My commission expires December 2, 1987

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.)

U. OF LESSEE, ALLOTTED OR TRACT NAME

Navajo 122436

7. OTHER ACCOUNT NAME

SW-I-4192

8. NAME OF LEASE NAME

Rutherford Unit

9. WELL NO.

17-32

10. FIELD AND FOOT, OR WELDCAT

Greater Anath

11. SEC. 2, 3, 4, 5, OR 6 1/2, AND SURVEY OR AREA

Sec. 17-T41S-R24E

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR Phillips Petroleum Company

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

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

1830' FNL, 2030' FEL (SW NE)

14. PERMIT NO. 43-037-15729

15. ELEVATIONS (Show whether sv. ht. or. etc.) 4672' RKB

12. COUNTY OR PARISH San Juan

13. STATE Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANE

(Other) Convert to Water Injection

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALDERSING 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.)

It is proposed to convert Rutherford Unit #17-32 from a Zone I producer to a Zone I water injection well. Upon conversion, the well will be acidized with approximately 4500 gallons of 28% HCl Acid and placed on injection.

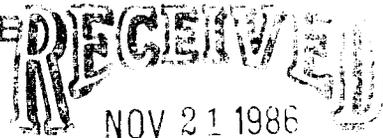
A 10' x 8' x 6' fenced pit will be constructed on location in a previously disturbed area. Upon completion of the workover the pit will be dried and recovered.

- 5-BLM, Farmington, NM
- 2-Utah O&G CC, Salt Lake City, Utah
- 1-P. J. Adamson
- 1-M. Williams, 302 TRW
- 1-J. R. Reno
- 1-B. J. Murphy
- 1-File RC

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

DATE: 12/1/86 BY: [Signature]

Approval letter 10/9/86



DIVISION OF OIL, GAS & MINING

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

SIGNED [Signature] D. C. Gill

TITLE Area Manager

DATE November 17, 1986

(This space for Federal or State office use)

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

TITLE DATE

\*See Instructions on Reverse Side

Commencement

MONTHLY REPORT OF ENHANCED RECOVERY PROJECT - PART 2 Page 3

MONTHLY MONITORING OF INJECTION WELLS

<u>Well Name</u>	<u>Inj. Press.</u>	<u>Inj. Rate</u>	<u>Annulus Press.</u>	<u>Monthly Inj. Vol.</u>
✓14W4343-037-116410	SI	SI		SI
✓15W2143-037-116411	0	71		2202
✓15W2343-037-116412	2400	71		2202
✓15W4343-037-116413	2125	27		836
✓16W1243-037-15720	2350	255		7903
✓16W1443-037-15721	2325	19		588
✓16W2143-037-116414	275	313		9699
✓16W2343-037-15722	1200	168		3190
✓16W4343-037-116415	2150	144		4463
✓17W1243-037-15724	2080	83		2574
✓✓17W1443-037-15727	1930	424		11,444
✓17W2143-037-116416	2120	0		3
✓17W2343-037-15728	2140	60		1858
3-27-87 ✓✓17W3243-037-15729	0	211		1055
✓✓17W3443-037-15730	750	509		6616
✓17W4143-037-15731	2150	58		1796
✓17W4343-037-116417	2400	68		2105
✓18W1243-037-31153	2125	221		6851
✓18W1443-037-15735	2150	16		495
✓18W2143-037-116418	2050	38		1177
✓18W2343-037-30244	2100	102		3162
✓18W3243-037-15736	2100	58		1796

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

SUBMIT IN TRIPlicate  
(Other instructions on reverse side)

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT..." for such proposals.)</small>		3. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-353</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME  <b>NAVAJO</b>
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <b>Water Injector</b>		7. UNIT AGREEMENT NAME <b>SW-I-4192</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Company</b>		8. NAME OR LEASE NAME <b>Ratherford Unit</b>
3. ADDRESS OF OPERATOR <b>P.O. Box 2920, Casper, WY 82602</b>		9. WELL NO. <b>17W32</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) <b>At surface</b> <b>1830' FNL, 2030' FEL SW NE</b>		10. FIELD AND POOL, OR WILDCAT <b>Greater Aneth</b>
14. PERMIT NO. <b>API# 43-037- 15729</b>		11. SEC., T., R., E., OR S.E. AND SURVEY OR AREA <b>Sec. 17-T41S-R24E</b>
15. ELEVATIONS (Show whether SP, ST, OR, etc.) <b>4672' RKB</b>		12. COUNTY OR PARISH    13. STATE <b>San Juan                  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"/>
FRACUTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACUTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Convert to water injection</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		<small>(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	

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.)\*

Mar. 6, 1987 through Mar. 24, 1987

MI & RU 3/6/87. Pulled rods and tbg. Cleanout hole to 5551'. Set cmt retainer at 5369'. Sqzd Zone I 5449-5548' w/100 sx class B cmt. WOC. Drill cmt to 5529'. Perfd Zone I 5449'-5530' OA. Acidized Zone w/6000 gal 28% HCL. Acid job broke into Zone II. Set pkr at 5373'. Sqzd Zone I 5449-5530' OA w/200 sx Class B cmt. WOC. Drill cmt to 5520'. Perfd Zone I 5449-62', 5472-80', 5490-98', and 5502-12'. Acidize Zone I 5449-5512' OA w/6000 gal 28% HCL. Swabbed back load. Ran Duoline tbg and wtr injection pkr. Set pkr at 5400'. RR 3/24/87. HU to Injection 3/27/87.

Production Before    22 BOPD    0 BWPD  
Injection After        211 BWPD @ 1050 psi

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

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

SIGNED *D. C. Gitt*                                  TITLE Area Manager                                  DATE 7/27/87

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

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

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

RECEIVED  
MAR 20 1989

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

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

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

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

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

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

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

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

# DOWN HOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 17W32

Location SW NE Sec. 17

RKB Elev. 4674'

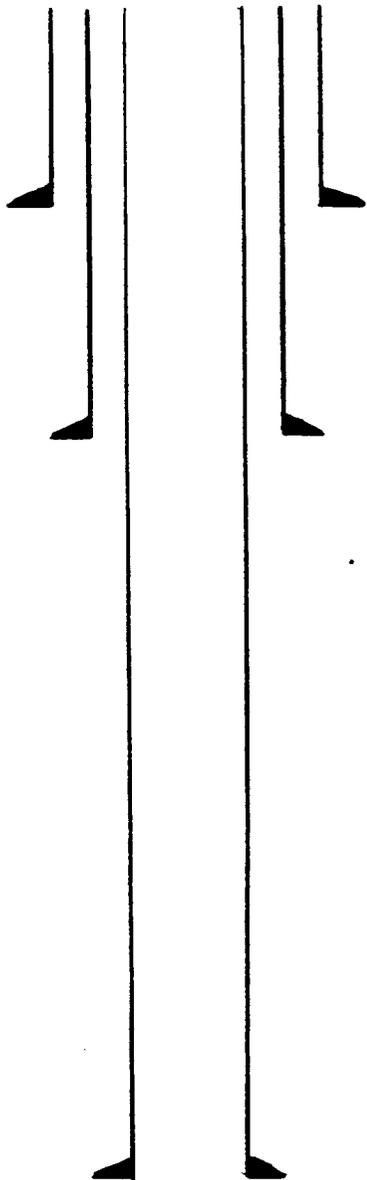
T41S-R24E

GL Elev. 4662'

Well Drld 7/16/58

RKB Above GL' 12'

Well converted to injector 3/24/87



CONDUCTOR Csg 1 3/8 @ 171'

SURFACE Csg. 8 5/8 @ 1457'

TOC 4100' CALC.

Tubing 2 7/8 @ 5391' Duoline HT2

PACKER Otis Inter-lock PKR  
Nickel Coated @ 5400'

PERFS	<u>5,449 - 62</u>	<u>          -</u>	<u>          -</u>
	<u>5,472 - 80</u>	<u>          -</u>	<u>          -</u>
	<u>5,490 - 98</u>	<u>          -</u>	<u>          -</u>
	<u>5,502 - 5512</u>	<u>          -</u>	<u>          -</u>

PBTD 5520'

PRODUCTION Csg. @  
K-55, 14#, 15.5#

All Perfs Zone I unless noted

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-1135  
Expires September 30, 1990

**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 TRIPPLICATE**

JUN 06 1990

DIVISION OF  
OIL, GAS & MINING

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

2. Name of Operator  
Phillips Petroleum Company

3. Address and Telephone No.  
P. O. Box 1150, Cortez, CO 81321 (303) 565-3426

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1830' FNL & 2030' FEL, SW NE, Sec. 17-T41S-R24E

5. Lease Designation and Serial No.  
14-20-603-353

6. If Indian, Allottee or Tribe Name  
Navajo

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

8. Well Name and No.  
Ratherford Unit #17W32

9. API Well No.  
43-037-15729

10. Field and Pool, or Exploratory Area  
Greater Aneth

11. County or Parish, State  
San Juan, Utah

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

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

Clean out well for UIC test  
(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.)

May 14, 1990 Through May 16, 1990

MI & RU well service unit 5/14/90. ND wellhead, NU BOP. Rel Otis 5-1/2" Interlock pkr and COOH w/173 jts 2-7/8" Rice duolined tbg. GIH w/bit & scraper and clean and drill well to new PBD 5534'. COOH w/bit & scraper. GIH w/5-1/2" Otis Interlock pkr with on-off tool and 173 jts 2-7/8" Rice duolined tbg, drifting barrier rings and pressure testing tbg to 3000 psi. Set pkr at 5400'. Disengaged on-off tool and pmpd pkr fluid consisting of 120 bbls water w/25.5 gals Well Chem WA-840. ND BOP, NU wellhead. Engaged on-off tool. Pressured annulus to 1130 psi for 45 min for UIC test. Held OK. Hooked up injection line, RD & MO well service unit, and returned well to injection 5/16/90.

Injection prior to clean-out: 122 BWPD @ 2600 psi  
 Injection after clean-out: 161 BWPD @ 2625 psi

Distribution:

- |                     |                   |                   |                      |
|---------------------|-------------------|-------------------|----------------------|
| 5 - BLM, Farmington | 1 - V. S. Shaw    | 1 - Mobil Oil     | 1 - PPCo, Cortez, RC |
| 2 - Utah O&GCC      | 1 - S. H. Oden    | 1 - Texaco, Inc.  |                      |
| 1 - EPA, Denver     | 1 - P. J. Konkell | 1 - Chevron       |                      |
| 1 - N. Anstine      | 1 - Cheftain      | 1 - PPCo, Houston |                      |

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

Signed S. H. Oden S. H. Oden Title District Superintendent Date June 4, 1990

(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 statement or representation in any manner within its jurisdiction.

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

RECEIVED

AUG 16 1993

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

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MINING

AMENDED REPORT  (Highlight Changes)

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

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

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

Date: 8/11/93

Name and Signature:

PAT KONKEL

*Pat Konkell*

Telephone Number:

505 599-3452

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT  (Highlight Changes)

*X931006 updated. Jie*

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 ~~NEW~~ PRODUCTION REPORTS will be COMPILED AND sent from the Cortez, Co. Office IN THE FUTURE.*

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

Date: 9/5/93

Name and Signature: *Lwell B Sheffield*

Telephone Number: *303 565 2211*  
*244 658 2520*

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		3. LEASE DESIGNATION & SERIAL NO.
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	2. NAME OF OPERATOR MOBIL OIL CORPORATION	7. UNIT AGREEMENT NAME RATHERFORD UNIT
3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702		8. FARM OR LEASE NAME
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		9. WELL NO.
DIVISION OF OIL, GAS & MINING		10. FIELD AND POOL, OR WILDCAT GREATER ANETH
14. API NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		12. COUNTY SAN JUAN
		13. STATE UTAH

REGISTERED

SEP 15 1993

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:																				
<table style="width:100%;"> <tr> <td style="width: 50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table>	TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>		<table style="width:100%;"> <tr> <td style="width: 50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width: 50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td colspan="2">(Other) <u>CHANGE OF OPERATOR</u> <input type="checkbox"/></td> </tr> <tr> <td colspan="2" style="font-size: small;">(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</td> </tr> </table>	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.)	
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"/>																					
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.)																					
APPROX. DATE WORK WILL START _____	DATE OF COMPLETION _____																				

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

\* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT. ATTACHED ARE THE INDIVIDUAL WELLS.

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

SIGNED Shirley J. Todd TITLE ENV. & REG TECHNICIAN DATE 9-8-93

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

✓ 12W-44	43-037-16405	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 660 FSL; 660 FEL
✓ 12W-44A	43-037-31543	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 807 FEL; 772 FSL
✓ 13-11W	43-037-31152	14-20-603-247A	SEC. 13, T41S, R23E	NW/NW 500 FNL; 660 FWL
✓ 13-12	43-037-31127	14-20-603-247A	SEC. 13, T41S, R23E	SW/NW 1705 FNL; 640 FWL
✓ 13W-13	43-037-15851	14-20-603-247A	SEC. 13, T41S, R23E	NW/SW 1980 FSL; 4620 FEL
✓ 13-14	43-037-31589	14-20-603-247A	SEC. 13, T41S, R23E	660 FSL; 660 FWL
✓ 13-21	43-037-31128	14-20-603-247A	SEC. 13, T41S, R23E	NE/NW 660 FNL; 1920 FWL
✓ 13W-22	43-037-15852	14-20-603-247A	SEC. 13, T41S, R23E	SE/NW 1988 FNL; 3300 FEL
✓ 13-23	43-037-31129	14-20-603-247A	SEC. 13, T41S, R23E	NE/SW 1980 FSL; 1930 FWL
<del>13W-44</del>	<del>43-037-15853</del>	<del>14-20-603-247</del>	<del>SEC. 13, T41S, R23E</del>	<del>600 FSL; 3300 FEL</del>
✓ 13W-32	43-037-16406	14-20-603-247A	SEC. 13, T41S, R23E	1881 FNL; 1979 FEL
✓ 13W-33	43-037-15855	14-20-603-247A	SEC. 13, T41S, R23E	NW/SE 1970 FSL; 1979 FEL
✓ 13W-34	43-037-31130	14-20-603-247A	SEC. 13, T41S, R23E	SW/SE 660 FSL; 1980 FEL
✓ 13-41	43-037-15856	14-20-603-247A	SEC. 13, T41S, R23E	NE/NE 660 FNL; 660 FEL
✓ 13W-42	43-037-15857	14-20-603-247A	SEC. 13, T41S, R23E	SE/NE 2139; 585 FEL
✓ 13-43	43-037-31131	14-20-603-247A	SEC. 13, T41S, R23E	NE/SE 1700 FSL; 960 FEL
✓ 13W-44	43-037-16407	14-20-603-247A	SEC. 13, T41S, R23E	SE/SE 635 FSL; 659 FEL
<del>14-03</del>	<del>NA</del>	<del>14-20-603-4037</del>	<del>SEC. 11, T41S, R23E</del>	<del>SW/SW 660 FSL; 660 FEL</del>
✓ 14-32	43-037-15858	14-20-603-247A	SEC. 14, T41S, R23E	2130 FNL; 1830 FEL
✓ 14-41	43-037-31623	14-20-603-247A	SEC. 14, T41S, R23E	NE/NE 521 FEL; 810 FNL
✓ 14W-42	43-037-15860	14-20-603-247A	SEC. 14, T41S, R23E	SE/NE 1976 FNL; 653 FEL
✓ 14W-43	43-037-16410	14-20-603-247A	SEC. 14, T41S, R23E	3300 FSL; 4770 FEL
✓ 14-33	43-037-15859	14-20-603-247	SEC. 14, T41S, R23E	2130 FSL; 1830 FEL
✓ 15-12	43-037-15715	14-20-603-355	SEC. 15, T41S, R24E	1820 FNL; 500 FWL
✓ 15W-21	43-037-16411	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 1820 FWL
✓ 15-22	43-037-30449	14-20-603-355	SEC. 15, T41S, R24E	SE/NW, 1980 FNL; 2050 FWL
✓ 15-32	43-037-15717	14-20-603-355A	SEC. 15, T41S, R24E	1980 FNL; 1980 FEL
✓ 15-33	43-037-15718	14-20-603-355	SEC. 15, T41S, R24E	NW/SE 1650 FSL; 1980 FEL
✓ 15-41	43-037-15719	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 660' FEL
✓ 15-42	43-037-30448	14-20-603-355	SEC. 15, T41S, R24E	SE/NE 2020 FNL; 820 FEL
✓ 16W-12	43-037-15720	14-20-603-355	SEC. 16, T41S, R24E	SW/NW 1880 FNL; 660 FWL
✓ 16-13	43-037-31168	14-20-603-355	SEC. 16, T41S, R24E	1980 FSL; 660 FWL
✓ 16W-14	43-037-15721	14-20-603-355	SEC. 16, T41S, R24E	SW/SW 660 FSL; 660 FWL
✓ 16W-21	43-037-16414	14-20-603-355	SEC. 16, T41S, R24E	NE/NW 660 FNL; 1880 FWL
✓ 16W-23	43-037-15722	14-20-603-355	SEC. 16, T41S, R24E	NE/SW 1980 FSL; 1980 FWL
✓ 16-32	43-037-15723	14-20-603-355	SEC. 16, T41S, R24E	1980 FNL; 1980' FEL
✓ 16-34	43-037-15724	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 1980' FEL
✓ 16-41	43-037-15725	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 660 FEL
✓ 16W-43	43-037-16415	14-20-603-355	SEC. 16, T41S, R24E	NE/SE 2140 FSL; 820 FEL
✓ 17-11	43-037-31169	14-20-603-353	SEC. 17, T41S, R24E	NW/NW 1075' FNL; 800' FWL
✓ 17W-12	43-037-15726	14-20-603-353	SEC. 17, T41S, R24E	SW/NW 1980' FNL; 510' FWL
✓ 17-13	43-037-31133	14-20-603-353	SEC. 17, T41S, R24E	NW/SW 2100' FSL; 660' FWL
✓ 17W-14	43-037-15727	14-20-603-353	SEC. 17, T41S, R24E	SW/SW 660' FSL; 660' FWL
✓ 17W-21	43-037-16416	14-20-603-353	SEC. 17, T41S, R24E	510' FNL; 1830' FWL
✓ 17-22	43-037-31170	14-20-603-353	SEC. 17, T41S, R24E	1980' FNL; 1980' FWL
✓ 17W-23	43-037-15728	14-20-603-353	SEC. 17, T41S, R24E	NE/SW 1980' FWL; 1880' FSL
✓ 17-31	43-037-31178	14-20-603-353	SEC. 17, T41S, R24E	NW/NE 500' FNL; 1980' FEL
✓ 17-32W	43-037-15729	14-20-603-353	SEC. 17, T41S, R24E	SW/NE 1830' FNL; 2030' FEL
✓ 17-33	43-037-31134	14-20-603-353	SEC. 17, T41S, R24E	NW/SE 1980' FSL; 1845' FEL
✓ 17-34W	43-037-15730	14-20-603-353	SEC. 17, T41S, R24E	SW/SE 560' FSL; 1880' FEL
✓ 17W-41	43-037-15731	14-20-603-353	SEC. 17, T41S, R24E	610' FNL; 510' FEL
✓ 17-42	43-037-31177	14-20-603-353	SEC. 17, T41S, R24E	SE/NE 1980; FNL, 660' FEL
✓ 17-44	43-037-15732	14-20-603-353	SEC. 17, T41S, R24E	660 FSL; 660' FEL
✓ 17W-43	43-037-16417	14-20-603-353	SEC. 17, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 18-11	43-037-15733	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 720' FNL; 730' FWL
✓ 18-12W	43-037-31153	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 1980' FNL; 560' FWL
✓ 18W-21	43-037-16418	14-20-603-353	SEC. 18, T41S, R24E	NE/NW 660' FNL; 1882' FWL
✓ 18-22	43-037-31236	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 2200' FNL; 2210' FWL
✓ 18W-23	43-037-30244	14-20-603-353	SEC. 18, T41S, R24E	NE/SW 2385' FSL; 2040' FWL
✓ 18W-14	43-037-15735	14-20-603-353	SEC. 18, T41S, R24E	SW/SW 810' FSL; 600' FWL
✓ 18-24	43-037-31079	14-20-603-353	SEC. 18, T41S, R24E	SE/SW 760' FSL; 1980' FWL
✓ 18-31	43-037-31181	14-20-603-353	SEC. 18, T41S, R24E	NW/NE 795' FNL; 2090; FEL
<del>18W-32</del>	<del>43-037-15736</del>	<del>14-20-603-353</del>	<del>SEC. 18, T41S, R24E</del>	<del>SW/NE 2140' FNL; 1830' FEL</del>
✓ 18-33	43-037-31135	14-20-603-353	SEC. 18, T41S, R24E	NW/SE 1870' FSL; 1980' FEL
✓ 18-34W	43-037-15737	14-20-603-353	SEC. 18, T41S, R24E	SW/SE 780' FSL; 1860 FEL
✓ 18W-41	43-037-15738	14-20-603-353	SEC. 18, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 18-42	43-037-31182	14-20-603-353	SEC. 18, T41S, R24E	SE/NE 2120' FNL; 745' FEL
✓ 18W-43	43-037-16419	14-20-603-353	SEC. 18, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 18-44	43-037-31045	14-20-603-353	SEC. 18, T41S, R24E	SE/SE 660' FSL; 660' FEL
✓ 19-11	43-037-31080	14-20-603-353	SEC. 19, T41S, R24E	NW/NW 660' FNL; 660' FWL
✓ 19-12	43-037-15739	14-20-603-353	SEC. 19, T41S, R24E	600' FWL; 1980' FNL
✓ 19-14	43-037-15740	14-20-603-353	SEC. 19, T41S, R24E	600' FSL; 660' FEL

PA'ed

PA'ed

OCT 23 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

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

CURRENT OPERATOR

Transfer approved by:

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

Comments:

NEW OPERATOR

Transfer approved by:

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

Comments:

(State use only)  
Transfer approved by [Signature] Title Area Manager  
Approval Date 10-27-93

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

APPLICATION OF PHILLIPS PETROLEUM )  
 COMPANY FOR THE APPROVAL OF THE )  
 UNIT OPERATIONS AND PRESSURE MAIN- ) CAUSE NO. 53  
 TENANCE PROGRAM FOR THE RATHERFORD )  
 UNIT IN THE GREATER ANETH AREA, )  
 SAN JUAN COUNTY, UTAH )

ORDER

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

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

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SLPM

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

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SLPM

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

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

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

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

#### FINDINGS OF FACT

The Commission finds that:

1. The unitized operation of the Rutherford Unit Area will enable pressure maintenance operations to be initiated and permit such Area to be operated in a manner which will prevent waste, protect correlative rights and result in greater ultimate recovery of oil and gas.

2. The Rutherford Unit Agreement has been approved by the various signatory parties as fair, reasonable and acceptable.

3. The water injection pressure maintenance program proposed by the applicant appears to be proper and designed to result in the greatest economic recovery of oil and gas to the end that all concerned, including the general public, may realize and enjoy the greatest good from the oil and gas resources of the unitized lands.

#### ORDER

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

1. Unit operation of the Rutherford Unit Area under the Rutherford Unit Agreement is approved.

2. The plan and program of water injection pressure maintenance operations proposed by applicant in its application filed herein should be and the same is hereby approved and the unit operator is authorized to proceed with and under such plan and program as soon as the Rutherford Unit Agreement becomes effective and operative.

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

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

Dated this 13th day of September, 1961.

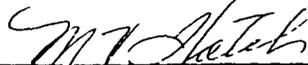
THE OIL AND GAS CONSERVATION  
COMMISSION OF THE STATE OF UTAH



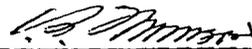
Edward W. Clyde, Commissioner presiding



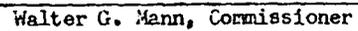
C. R. Henderson, Chairman



H. V. Hatch, Commissioner



C. S. Thomson, Commissioner



Walter G. Mann, Commissioner

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

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

Here is copy of Rotherford Unit  
Successor Operator,

4 pages including this one.



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 Ratherford Unit, <sup>09/27/93 11:44</sup>

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

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford 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 Ratherford 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 Ratherford 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 Ratherford Unit.

Phillips Petroleum Company

June 17, 1993

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

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

By: B. D. [Signature]  
Attorney-in-Fact B.D. MARTINY

[Signature]  
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
100% Indian Lands			TOTAL 12,909.74
			100.0000000

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

Route original/copy to:

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

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

Other  
OPERATOR CHANGE

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

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

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

of (Company/Organization) MOBIL

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

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

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

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

MR. COX CONFIRMED THAT THE WELLS SHOULD BE SET UNDER ACCOUNT N7370/MEPNA AS

PER BIA APPROVAL, ALSO CONFIRMED THAT PRODUCTION & DISPOSITION REPORTS WILL NOW

BE HANDLED OUT OF THEIR CORTEZ OFFICE RATHER THAN DALLAS.

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

\*ADDRESS CHANGE AFFECTS ALL WELLS CURRENTLY OPERATED BY MEPNA, CURRENTLY

REPORTED OUT OF DALLAS (MCELMO CREEK).

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 11-17 1993. If yes, division response was made by letter dated 11-17 1993.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 11-17 1993, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- 1. All attachments to this form have been microfilmed. Date: 11-17 1993.

FILING

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

COMMENTS

931006 BIA/B/m Approved 7-9-93.

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**

8. Well Name and No.  
**17W32**

9. API Well No.  
**43-037-15729**

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 WELL**

2. Name of Operator

**MOBIL OIL CORPORATION**

3. Address and Telephone No.

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

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

**1830' FNL, 2030' FEL SWNE SEC. 17, T41S, R24E**

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

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

**RECEIVED**

JUL 12 1993

DIVISION OF  
OIL, GAS & MINING

ACCEPTED BY THE STATE  
OIL AND GAS DIVISION OF  
DEPT. OF ENVIRONMENT AND NATURAL RESOURCES

7-13-93

*Shirley Todd*

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

Signed

*Shirley Todd*

**SHIRLEY TODD**

Title

**ENV. & REG. TECHNICIAN**

Date

**7-9-93**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

RATHERFORD 17-32  
ELIMINATE BACKSIDE PRESSURE, CLEANOUT AND ACIDIZE  
TOM COCHRANE 303 565-2210

CHARGE CSG REPAIR TO 7332-17679  
CHARGE CLEANOUT/ACIDIZE TO 7364-17679

1. BLEED WELL DOWN AS MUCH AS POSSIBLE. LESS WATER HAULED MEANS LESS MONEY SPENT. ND WH, NU BOP. UNSET PKR & POH W/INJ TBG, OOT, & PKR. (IF PKR WILL NOT UNSET, JAY OFF OOT, POH W/DUOLINE, GIH W/WS TO UNSET PKR). REDRESS OOT. LINE UP GUIB ER-VI HD PKR FOR FINAL STEP.

DRILLING FOREMAN EVALUATE CONDITION OF DUOLINE TUBING AND SEALS, DISCUSS W/PROD FMN & ENGR IF MODIFICATIONS NEEDED BEFORE RUNNING INJ TBG AGAIN.

2. GIH W/MDL R ON WS (TEST TBG IN HOLE) TO 5350', SET PKR, TEST BS TO 1000# FOR 30 MIN. IF HOLDS PRESSURE GO TO STEP 3.

IF CSG FAILS TEST, PUH & ISOLATE LEAK. POH, GIH W/RBP, DUMP 10' SD ON RBP @ 5350', PUH, DO SQUEEZE WORK UNDER PACKER IF ABOVE 3000', UNDER CMT RET BELOW 3000'.

DRILLING FOREMAN SQUEEZE CASING LEAK W/DESIGN BASED ON DEPTH, LENGTH OF LEAKING INTERVAL AND ESTABLISHED INJECTION RATE; AND NOTIFY EPA AND BLM TO WITNESS SQUEEZE.

DO CMT, TEST TO 1000#, NOTIFY ENGR IF SQZ FAILS, W/O ORDERS. OTHERWISE, CIRC SD OFF RBP, LATCH ON & RETRIEVE.

3. GIH W/4-3/4" BIT, TAG FILL W/BIT AND RECORD DEPTH
4. CO FILL TO 5534' (ATTEMPT TO REACH CMT RET @ 5551' IF POSSIBLE, BUT IF NOT MAKING QUICK PROGRESS, 5534' IS GOOD ENOUGH) PBT, CIRC CLEAN & POH
5. GIH W/MDL R PKR ON WS, SET PKR @ 5300'
6. RU DS, ACIDIZE PERFS W/5000 GALS 15% HCL AND 2000# GRS (ACID ADDITIVES NEXT PAGE) AS FOLLOWS;

MAX TP 2500#, MAX RATE 2 BPM

PUMP 3000 GALS ACID  
PUMP 2000# SALT @ 2 PPG IN GBW (1000 GALS GBW)  
PUMP 3000 GALS ACID  
FLUSH TO BOTTOM PERF + 1 BBL W/26.5 BBLs FW  
RECORD ISIP, 5, 10, AND 15 MIN SIP  
RDMO HOWCO

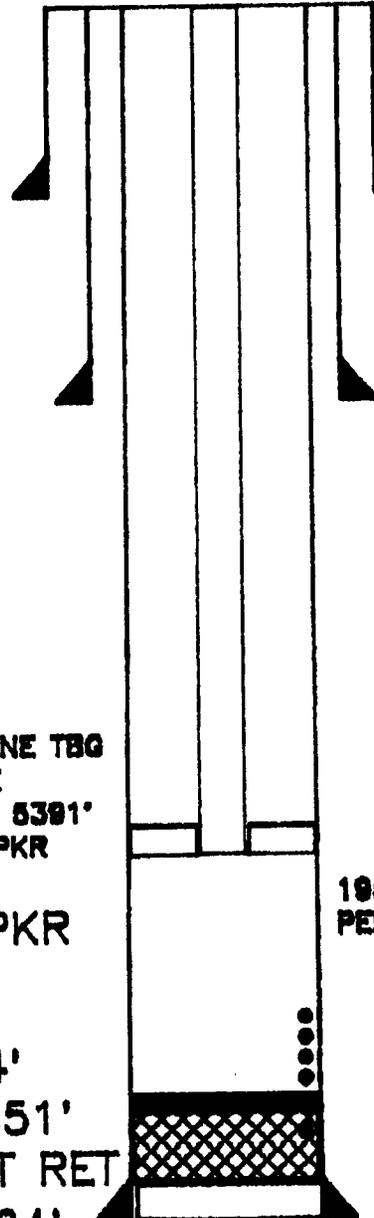
7. SWAB REST OF ACID JOB DAY, AS LONG AS DAYLIGHT ALLOWS. DO NOT SWAB A SECOND DAY, IT WILL DO LITTLE GOOD.
8. UNSET MDL R PKR, GIH CIRC OUT SD TO PBD 5534', CIRC CLEAN AND POH.
9. GIH W/GUIB ER-VI HD IPC PKR, OOT AND INJ TBG AS FROM BEFORE WO, OR AS PER ED BARBER'S (PRODUCTION FOREMAN'S) RECOMMENDATION. CIRC PKR FLUID, SET PKR, NOTIFY EPA OF MIT NEXT DAY, SION, MIT TEST TO 1000# ON BS FOR 30 MINS, RELEASE WELL TO PROD.

DOWELL SCHLUMBERGER ACID ADDITIVES;  
2 GPT A260 CORROSION INHIBITOR  
5 GPT W54 NON-EMULSIFIER  
20 GPT U42 CHELATER/IRON COMPLEXER  
10 PPT L58 IRON REDUCER  
5 GPT F75N SURFACTANT

XYLENE ADDITIVES;  
1 DRUM TRETOLITE (WELLCHEM) A-SOL PER 250 GALS XYLENE

TOM COCHRANE 7-7-93

RATHERFORD 17-W-32  
 GREATER ANETH FIELD  
 SWNE SEC 17 T41S R24E  
 RKB 4674' GL 4662' KB 12' ABOVE GL  
 TRIBAL LEASE # 14-20-683-353



13.375" 27.1# @ 171'  
 200 SX CIRC

8.625" 24# J55 @ 1456'  
 455 SX CIRC

173 JTS 2-7/8" DUOLINE TBG  
 OTIS OOT, 1.5" PROFILE  
 OTIS INTERLOCK PKR @ 5391'  
 SHORT PUP JT BELOW PKR

SL PBTD @ PKR

PBTD 5534'  
 CIBP @ 5551'  
 CMT BELOW CMT RET  
 TD 5664'

1958; PERFED @ 4 SPF;	87 PERFED & SQZD	87 PERFED 4 SPF
5449-62'	5449-62'	5449-62'
5472-80'	5472-80'	5472-80'
5490-98'	5490-98'	5490-98'
5502-12'	5502-12'	5502-12'
5518-30'	5515-25'	
5538-48'		
5555-74' SQZD 1972		

5.5" 14&15.5# @ 5664'  
 232 SX CALC TOC 3900'

TOM COCHRANE 7-7-93

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
14-20-603-353

6. If Indian, Allottee or Tribe Name  
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
RATHERFORD UNIT

SUBMIT IN TRIPLICATE

8. Well Name and No.  
RATHERFORD UNIT 17W-32

9. API Well No.  
43-037-15729

10. Field and Pool, or exploratory Area  
GREATER ANETH

11. County or Parish, State  
SAN JUAN, UT

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**MOBIL EXPLORATION & PRODUCING US, AS AGENT FOR MEPNA**

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1830' FNL, 2030' FEL; SEC 17, T41S, R24E**

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

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

07/22/93 MIRU. ND WH, NU BOP. REL PKR. POOH W/PKR & TBG. SET ARROW PKR @5400'. PRESS BACK SIDE TO 1000 PSI/HELD OK FOR 30 MINS. REL PKR & RIH, TAG FILL @5496'.

07/23/93 RIH W/BIT & SCRAPER. CLEAN OUT FILL TO 5534' PBTB. CIRC WELL BORE CLEAN. ACDZ F/5449-5512' W/5000 GALS 15% HCL + 4000# ROCK SALT IN 2000 GALS GELLED BRINE WATER.

07/24/93 ATTEMPT TO RUN TBG & PKR.

07/25/93 MOVE IN CMT LINED TBG FROM YARD.

07/26/93 RIH W/ CMT LINED TBG. SET PKR @5375'.

07/27/93 PRESS TEST BACKSIDE TO 1000 PSI F/30 MIN - HELD OK. RDMO. TURN WELL TO INJECTION.

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

Signed *D. Irvine for Shirley Judd* Title ENV. & REG. TECHNICIAN

Date 5-20-94

(This space for Federal or State office use)

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

Conditions of approval, if any:

Date *tax credit*

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

FEB 13 1995

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>INJECTION</b>	5. Lease Designation and Serial No. <b>14-20-603-353</b>
2. Name of Operator <b>Mobil Exploration &amp; Producing U.S. Inc. as Agent for Mobil Producing TX &amp; NM Inc.</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 (918) 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>1830 FNL; 2030 FEL SWNE SEC. 17, T41S, R24E</b>	8. Well Name and No. <b>RATHERFORD 17-32</b>
	9. API Well No. <b>43-037-15729</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>SQUEEZE</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.)\*

7-22-93 MIRU REL PKR. POH W/2 7/8 TBG. RIH W/WORKSTRING & SET PKR AT 5400'. PRESS. BACK SIDE TO 1000 PSI/HELD/OK. REL PKR. TAG FILL AT 5496' (16' OF PERFS COVERED)

7-23-93 RIH W/CSG SCRAPPER. CLEN OUT FILL FROM 5496-5534 (PBDT) CIRC. WELLBORE CLEAN. SET PKR AT 5306' ACDZ PERFS FROM 5449-5512 W/5000 GAL 15% HCL

7-24-93 POH W/WS AND PKR. RAN 2 7/8 DUOLINE TBG. UNABLE TO TORQUE

7-26-93 RIH W/172 JT 2 7/8 J-55 CMT. LINED TBG. SET PKR AT 5375'. DISPLACED ANN. W/130 BBLs

PACKER FLUID.

7-27-93 PRESS. TEST BACKSIDE TO 1000 PSI/30 MIN/HELD/OK NOTIFIED NAVAJO EPA AT 1:10PM 7-23-93 OF TEST TO BE CONDUCTED AT 7:00AM ON 7-27-93. TEST WAS NOT WITNESSED RD AND TURN TO PRODUCTION DEPT.

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

Signed Shirley Robinson Title ENV. & REG TECHNICIAN Date 2-9-95

(This space for Federal or State office use)

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

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

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

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

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

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

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

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

Name R. J. FIRTH (Initiated Call ) - Phone No. ( ) \_\_\_\_\_

of (Company/Organization) \_\_\_\_\_

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

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

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC. \*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

# Mobil Oil Corporation

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

May 14, 1986

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

RECEIVED  
MAY 16 1986

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

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	--

**ENTITY REVIEW**

- Y/LC* 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)** *\* No Fee Lease Wells at this time!*

- N/A* *Y/LC* 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* *UTS* *8/5/95* 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.
- 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 9 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 LIC F5/Not necessary!*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEC. 17, T41S, R24E**  
**(SW/NE) 1830' FNL & 2030' FEL**

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**

8. Well Name and No.

**RATHERFORD 17W-32**

9. API Well No.

**43-037-15729**

10. Field and Pool, or exploratory Area

**GREATER ANETH**

11. County or Parish, State

**SAN JUAN UT**

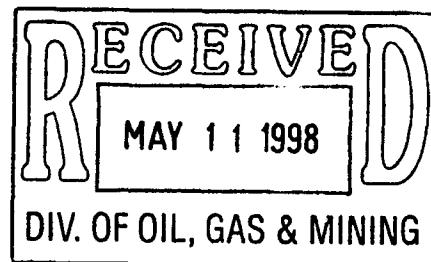
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input 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>MIT TESTS</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.)\*

SEE ATTACHED MIT AND CHART.



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

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

(This space for Federal or State office use)

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

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

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)



Operator Mobil E. & P., Inc. Date of Test 3-21-97  
 Well Name ~~MOBIL~~ RU# 17W-32 EPA Permit No. \_\_\_\_\_  
 Location Sec.17, T41S-R24E Tribal Lease No. 14-20-603-353  
 State and County San Juan County, Utah

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

<u>TIME</u>	<u>ANNULUS PRESSURE, psi</u>	<u>TUBING PRESSURE, psi</u>
<u>2:40</u>	<u>1120</u>	<u>3000</u>
<u>2:45</u>	<u>1115</u>	<u>3000</u>
<u>2:50</u>	<u>1110</u>	<u>3000</u>
<u>3:00</u>	<u>1110</u>	<u>3000</u>
<u>3:10</u>	<u>1110</u>	<u>3000</u>

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

*PASSED M.I.T.*

Fritz Johnson  
 COMPANY REPRESENTATIVE: *Fritz Johnson* (Print and Sign) 3-21-97 DATE  
Melvin Capitan Jr.  
 INSPECTOR: *Melvin Capitan Jr.* (Print and Sign) 3-21-97 DATE

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF INSPECTION

Address (EPA Regional Office) Region 9 Environmental Inspection Agency 215 Fremont Street (W-6-2) San Francisco, CA 94105	Inspection Contractor Navajo EPA <del>THE CADMUS GROUP, INC.</del> <del>CORPORATE OFFICE</del> <del>1000 GARDEN STREET</del> <del>WALTHAM, MA 02154</del> <del>TEL: 617/252-1100</del> <del>FAX: 617/252-1101</del>	Firm To Be Inspected Mobil E.&P., Inc. P.O. Box Dawer G Cortez, Co 81321
---	--	--

Date <i>3-21-97</i>	Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300 f et seg.).
Hour <i>12:30 PM</i>	

Reason For Inspection

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

*RU# 17W-23, WATER INJECTION WELL, M.I.T. - PASSED*

*RU# 17W-34, WATER INJECTION WELL, M.I.T. - PASSED*

*RU# 17W-32, WATER INJECTION WELL, M.I.T. - PASSED*

*RU# 17W-41, WATER INJECTION WELL, M.I.T. - PASSED*

*RU# 18W-14, WATER INJECTION WELL, M.I.T. - PASSED*

*RU# 18W-32, WATER INJECTION WELL, M.I.T. - FAILED*

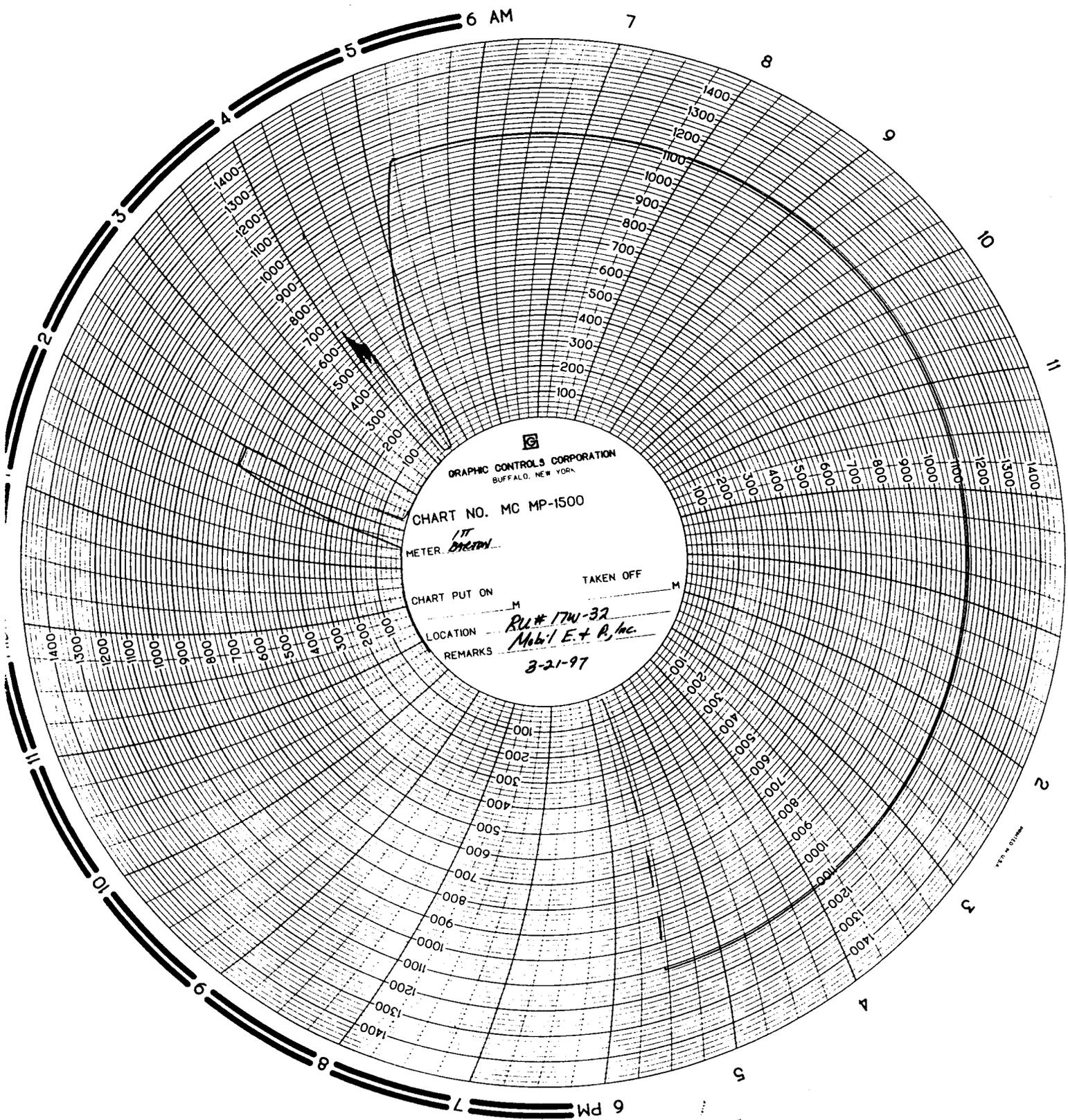
*RU# 18W-34, WATER INJECTION WELL, M.I.T. - PASSED*

*RU# 19W-21, WATER INJECTION WELL, M.I.T. - PASSED*

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

Receipt of this Notice of Inspection is hereby acknowledged.

Firm Representative 	Date <i>3-21-97</i>	Inspector 
---	------------------------	--



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC MP-1500

METER *17T*  
*Direct*

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

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

LOCATION *RU # 17W-32*

REMARKS *Mobil E. & P., Inc.*

*3-21-97*

NOV 11

1

2

3

4

5

6 PM

7

8

9

10

11

6 AM

7

8

9

10

11

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-**

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

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

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

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

8. Well Name and No.  
**RATHERFORD UNIT 17W-32**

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

9. API Well No.  
**43-037- 15729**

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEC 17, T41S, R24E (SW/NE) 1830' FNL & 2030' FEL**

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

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>FAILED MIT</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 recomple 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 recomple 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 Sundry Notice is for notification purposes.**

**We plan to pull equipment and temporarily abandon the wellbore because offset injection wells are adequately supporting nearby production. This well failed an MIT on 2/4/2000.**

**A detailed procedure will be submitted as soon as it is available.**

**RECEIVED**

**MAR 06 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>Senior Staff Office Assistant</b> On behalf of Mobil Exploration & Production US Inc.
Signature <i>Ellen M. Carroll</i>	Date <b>03/01/2000</b> as agent for Mobil Producing TX & NM Inc.

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

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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**

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

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

1. Type of Well

Oil Well  Gas Well  Other **INJECTION**

8. Well Name and No.

**RATHERFORD UNIT 17W-32**

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

9. API Well No.

**43-037-15729**

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

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

10. Field and Pool, or Exploratory Area

**GREATER ANETH**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEC 17, T41S, R24E (SW/NE) 1830' FNL & 2030' FEL**

11. County or Parish, State

**SAN JUAN UT**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>FAILED MIT</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 recalcination, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached is the procedure for repairing this well.

We plan to pull equipment and temporarily abandon the wellbore because offset injection wells are adequately supporting nearby production. This well failed an MIT on 2/4/2000.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Ellen M. Carroll</b>	Title <b>Senior Staff Office Assistant</b>	On behalf of Mobil Exploration & Production US Inc.
Signature <i>Ellen M. Carroll</i>	Date <b>03/21/2000</b>	as agent for Mobil Producing TX & NM Inc.

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)

## SUNDRY NOTICE PROCEDURE

Ratherford Unit #1732  
Sec 17/T41S/R24E  
San Juan County, Utah

**OBJECTIVE:** To pull equipment, and temporarily abandon wellbore.

**REASON/CAUSE(S):** This well failed an MIT on 2/4/2000. Reservoir recommends that this well be temporarily abandoned because off set injection wells (RT1721 & RT1742) are adequately supporting nearby production. This well will be used as a future backup to offset injection wells listed above.

### A) GENERAL WELL IDENTIFICATION INFORMATION

FIELD : Greater Aneth Area  
LEASE : Ratherford Unit  
COUNTY : San Juan County  
STATE : Utah  
API# : 43-037-15729  
LOCATION CODE : T1767900

### B. GENERAL WELL INFORMATION:

Zone(s): Desert Creek  
Perfs: 5449'-5462', 5472'-5480', 5490'-5098', 5502'-5512'  
Initial Completion Date: 7/24/1958  
Est. BHP: 4665psi  
Est. SITP: 2200psi  
Total Depth: 5666'  
PBTD: 5534'  
Open Hole Depth: n/a  
Top of Fish: none  
Top of Cmt:  
Method: Log\_\_ or Calc\_\_  
Surface Casing: 13 3/8", 27.1#, 171', 8 5/8", 24#, K55, 1457'  
Production Casing: 5 1/2", 14#, J55, 5664'  
RKB: 12'

### C. Materials Needed:

#### a. CIBP

### D. Troubleshooting/History:

2/4/2000 – MIT test – The well failed MIT because the csg would not hold 1000psi. The tbg pressure was 2345psi, and the csg pressure was 990psi.

1/24/2000 – MIT test – Fluid from the braiden head was bled off into truck transport. The well failed MIT. The annulus dropped from 1000psi to 900psi in less than 1 minute. The tbg pressure remained the same at 3090psi.

1/23/1997 – Coiled tbg acid treatment: Tagged bottom at 5538'. Pumped 4000gal of 15% of H-15 HCL acid followed by 300bbls soda ash to wash perms. Pumped MR 0.9BPM at 3000psi. Note- This summary was taken from Mobil drilling reporting system. Foreman summary of workover was not available).

7/27/1993 – Repair leak, CO, acidize. Release pkr, POOH w/ tbg , pkr and on/off tool. RIH w/ pkr set @5400', PT backside – held Ok. Released pkr, RIH w/ bit & scraper, tag fill @5496', CO to PBTD 5534', and circ clean. Acidize DC perms 5449'-5512' w/ 5000gal 15%HCL. TP1020-2340#, ISIP 2400#, 5min 2130#, 10min 1970#, 15min 1890#.

RIH w/ 5.5" Guiberson ER-VI IPC pkr w/ on/off tool and 172jts 2 7/8", 6.5#, J55 cmt lined tbg, set pkr @5375'. HU to injection. Note: The pump-out plug was still in the end of the Otis pkr. The well had been injecting through 1/4" hole in pump-out plug.

7/14/1993 – Ran SLM to check TD w/ 1.425" tool. TD set at 5413'. Last TD5412' on 9/2/1992.

**GENERAL PROCEDURES.**

**Note – Drilling Fluids**

- Keep all particulate materials out of curves and laterals if at all possible.
- Minimize the use of particulate muds (carbonates) if possible.
- If CaCl2 brine is used, then add 0.1% by volume of safebreak CBF to brine. This will break any emulsion that forms.
- If particulate muds (carbonate mud) is used, minimize the use of non-acid soluble materials such as barite. Use barite weighted carbonate mud only when necessary.

(1) Prior to MIRU blow down well in pit or bobtail until tbg pressure drops below 500psi and csg pressure drops to 0psi. Kill well as needed.

(2) Ensure well is dead. ND wellhead and NU BOPE. 4hrs

<u>Current Setup</u>	<u>New Setup</u>
<b>Annular Preventer</b>	<b>Annular Preventer</b>
<b>Pipe Rams</b>	<b>Blind Rams</b>
<b>Master valve</b>	<b>Note – Rams should be Double Schafer w/ side outlets</b>
<b>Blind Rams</b>	<b>Pipe Rams</b>
<b>Circ using csg valve</b>	<b>Csg valve cannot be used to circ</b>

(3) MIRU PU. POOH SB 172jts of 2 7/8" cmt lined tbg and LD on/off tool, and 5 1/2" ER-VI HD IPC pkr. 6hrs

Note –Consultant- Record depth and physical appearance of tbg and pkr. If unable to do so, then contact Foreman or SS Engr.

(4) Notify Baker Petrolite rep (Gary Roberts 970-749-7175) to inspect tbg and pkr equipment. 1hr

**(5) PU bit & scraper and RIH on production string to 5520'. Run 3jts between bit & scraper. 7hrs**

Note – Replace tbg joints as needed.

Note – Record depth of fill, any tight spots, and obtain a sample if possible.

**(6) POOH w/ tbg and LD bit & scraper. 3.5hrs**

**(7) PU CIBP, and RIH on 2 7/8" cmt lined production tbg. 4hrs**

**(8) Set CIBP @ 5350' and pressure test to 1000#. 1hr**

Note – If it does not hold, consult with James Madison 970-565-1351 or Max Boone 713-431-1253 for further instructions.

**(9) MIRU wireline. PU bailer and RIH and dump 1sx of cmt on top of CIBP. POOH w/ wireline unit and dump bailer. 1.5hr**

**(10) Circ in 1.15 by tbg & csg volume of pkr fluid (151bbls) w/ 1% inhibitor solution (63gal of CRW 132), and circ out calculated kill fluid. 3hrs**

**(11) POOH w/ 2 7/8" cmt lined tbg LD. Leave 1jt @ surface. 4hrs**

Note – Baker Petrolite rep needs to inspect the flowline for possible inhibition as well.

**(12) ND BOPE/ NU WH. RDMO and clean location. 2.5hrs**

**(13) Notify James Madison that job is complete. Notify BLM and Navajo EPA as necessary.**

**Ratherford 1732**  
**WELL ID**  
**API #43-037-15729**  
 Sec 17 - 41S - 24E

**OVERALL OBJECTIVE:**  
 (1) To pull tbg and pkr  
 (2) RIH w/ CIBP  
 (3) Circ pkr fluid and TA wellbore

Csg size - 5 1/2", 14#, J55,5664'

Surface csg - 13 3/8", 27.1#, 171'  
 8 5/8", 24#, K55, 1457'

2 7/8" lined tbg

Surface Csg Shoe @1457'

**MUD WEIGHT:**  
**MUD VISCOSITY:**

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

**EXISTING EQUIPMENT**  
 Run time - 7/27/93  
 KB - 12'  
 -5375' - 5.5" Guiberson  
 ER-VI HD IPC pkr w/ on/off  
 tool  
 - 172jts of 2 7/8" cmt lined  
 tbg.

**NEW EQUIPMENT INFO**  
 CIBP at 5350'  
 151bbls of pkr fluid w/ 1%  
 CRW132

5375' Pkr depth

DO cmt 5534'  
 Cmt ret 5551'

**Perfs**  
 5449'-5462'  
 5472'-5480'  
 5490'-5098'  
 5502'-5512'  
 Sqz'd off perfs  
 5515'-5130'  
 5538'-5548'  
 5555'-5574'

TD - 5666'

**ExxonMobil Production Company**

P.O. Box 4358  
Houston, TX 77210-4358

US WEST

**ExxonMobil**

March 22, 2000

Request for Extension to Repair Injectors  
Ratherford Unit #21W-14 43 037 15753  
Ratherford Unit #17W-32 43 ~~037~~ 15729  
San Juan County, Utah

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

Dear Mr. Walker:

Exxon Mobil respectfully request a 60-day extension to repair and retest Ratherford Unit #21W-14 and Ratherford Unit #17W-32. These wells have an apparent casing leak. The sundry notice of intent on #21W-14 has been approved, and work has begun to repair this well. A sundry notice of intent to temporarily abandon #17W-32 was distributed on March 21, 2000.

If you need further information, please call me at 713-431-1197, or send an e-mail to [ellen.m.carroll@exxon.com](mailto:ellen.m.carroll@exxon.com).

*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.

xc: George Robin, U.S. Region IX E.P.A.  
Charmaine Hosteen, Navajo Nation E.P.A.  
Steve Mason, Bureau of Land Management, Farmington, NM  
State of Utah, Division of Oil, Gas, & Mining

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

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 17W-32**

9. API Well No.

**43-037-15729**

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 **Mobil Producing TX & NM Inc.\***  
**\*Mobil Exploration & Producing US Inc. as agent for MPTM**

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)  
**SEC 17, T41S, R24E (SW/NE) 1830' FNL & 2030' 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>FAILED MIT</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 recalculation, have been completed, and the operator has determined that the site is ready for final inspection.)

**We plan to repair and retest this well. The prior Sundry Notice, dated 3/21/00, indicated procedures for temporary abandonment. The plans for this well have changed. We currently do not plan to temporarily abandon this well.**

**A procedure for repairing and retesting the well will be forwarded as soon as it becomes available.**

**RECEIVED**

APR 05 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>Senior Staff Office Assistant</b>	On behalf of Mobil Exploratio & Production US Inc.
Signature <i>Ellen M Carroll</i>	Date <b>04/04/2000</b>	as agent for Mobil Producing TX & NM Inc.

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

**ExxonMobil**  
*Production*

May 26, 2000

Request for Extension to Repair Injectors  
Ratherford Unit #17W-32  
~~API #43-037-15729~~  
San Juan County, Utah  
*Sec. 17, 41s. 24E*

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

Dear Mr. Walker:

Exxon Mobil respectfully requests a 60-day extension to temporarily abandon Ratherford Unit #17W32. This additional time is needed complete these operations.

If you need further information, please call me at 713-431-1197, or send an e-mail to [ellen.m.carroll@exxon.com](mailto:ellen.m.carroll@exxon.com).

*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.

xc: George Robin, U.S. Region IX E.P.A.  
Charmaine Hosteen, Navajo Nation E.P.A.  
Steve Mason, Bureau of Land Management, Farmington, NM  
State of Utah, Division of Oil, Gas, & Mining

**RECEIVED**

MAY 31 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 WELL**

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)  
**Sec 17 T41S R24E (SW/NE) 1830' FNL & 2030' 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 17W32**

9. API Well No.  
**43-037-15729**

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

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

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<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 recompletion, have been completed, and the operator has determined that the site is ready for final inspection.)

The procedure to temporarily abandon is attached.

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

**RECEIVED**

JUL 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>		Title <b>Sr. Staff Office Assistant</b>	ExxonMobil Production Company, A division of Exxon Mobil Corporation, acting for Mobil Producing Texas & New Mexico Inc.
Signature <i>Ellen M. Carroll</i>	Date <b>07/26/2000</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)

**U.S. West Production Organization**  
**Workover Job Summary**

WBS JOB # \_\_\_\_\_

FIELD: RATHERFORD UNIT  
WELL NUMBER: 17-32

DATE: 24 FEBRUARY 2000  
RESV: DESERT CREEK

**WELL HISTORY**

See attached History. Well recently failed MIT on February 4th, 2000.

**PROBLEM DESCRIPTION & ANALYSIS**

Well failed MIT. There is adequate injection support in the area provided by laterals of offset injection wells, so re-establishing limited injection in this well is uneconomic. However, if either of the offset injectors are lost, this injector can be used as a replacement, since new drilling locations are unlikely.

**RECOMMENDED ACTION**

Temporarily abandon this wellbore, maintaining future injection potential.

**RESERVE, FLOWSTREAM & ECONOMIC ASSUMPTIONS**

N/A.

FILED

JUL 27 2000

DIVISION OF  
OIL, GAS AND MINING

## WELL HISTORY

**RATHERFORD UNIT #17-W-32**  
**GREATER ANETH FIELD**  
**1830' FNL & 2030' FEL**  
**SEC 17 T41S R24E**  
**SAN JUAN COUNTY, UTAH**

API# 43 037 15729  
PRISM ID 0043054

KB: 4674' GL: 4662'  
TD: 5666' PBSD: 5534'

- 6-29-58 Spud well. Drill 17-1/4" hole to 171'. Ran & set 13-3/8" 27.1#/ft conductor pipe. Cmt'd w/ ? sx cmt. Circulated to surface.  
Drill 11" hole to 1457'. Ran & set 8-5/8", 24#/ft K-55 surface csg. Cmt'd w/ ? sx cmt. NOTE: Left 260' in pipe.  
Drill 7-7/8" hole to TD @ 5666'. Condition hole for logs. Ran DLL/MSFL/GR & CDL/CNL/GR logs. Next day- ran & set 5.5", 14#/ft J-55 production csg @ 5664'. Cmt'd w/ ? sx cmt.
- 7-24-58 Initial completion. Made BOP & csg tests- OK. GIH w/ 4-3/4" bit & 5.5" CS. DO/CO to PBSD @ 5628'. POOH w/tools. Ran CBLVDL-GR/CCL & perfed 5449-62', 5472-80', 5490-98', 5502-12', 5518-30', 5538-48', & 5555-74'. GIH w/ 5.5" Baker pkr & SN on 62 jts 2-7/8" PC tbg & 116 jts 2-7/8" plain tbg. Set pkr @ 5405'. SN @ 5372' w/ collar stop @ 5340'. Acidized w/ 500 gals reg HCl + 6000 gals retarded HCl. TTP 1800-0#, AIR 6.2 BPM. Swbd well to flowing. IP: FI 1248 BO + 0 BW, GOR 861, 250# FTP, 3/4" chk
- 11-29-59 Install artificial lift. MIRU WO unit & POOH w/ tbg & pkr. GIH w/ 5.5" McGaffey-Taylor TAC, SN, 4' GA, 62 jts 2-7/8" PC tbg & 116 jts 2-7/8" plain tbg. Set TAC @ 5433'. Ran 2.5" x 1.75" x 17' pump, (100) 3/4" SR, (64) 7/8" SR, (58) 1" SR, pony rods, & 1.5" x 22' PR.
- 2-9-65 Pump change f/ tbg pump to insert pump. MIRU WO unit & POOH w/ rods, pump, & tbg. GIH w/ SN, TAC, & 178 jts tbg. Set TAC @ 5430'. Ran 2.5" x 2" x 24' insert pump, (86) 3/4" SR, (72) 7/8" SR, (64) 1" SR, pony rods, & PR w/ 14' liner.
- 1-4-72 Test for communication. MIRU WO unit & POOH w/ rods, pump, & tbg. GIH w/ 5.5" Baker lokset pkr. Test for zone communication. POOH w/ pkr. GIH w/ BP nipple, knock out plug, 5.5" Baker lokset pkr, & 176 jts 2-7/8" tbg. Ran exchanged 2.5" x 1.75" x 24' insert pump & rods.
- 5-19-72 Sqz Zone II. MIRU WO unit & POOH w/ tbg & ?. GIH w/ Baker Mod K cmt retrn to 5551'. Halliburton sqzd Zone II: 5555- 5574' w/ 165 sx reg cmt + .6% Halad 9 to 4200#. GIH w/ pkr to 5419'. Dowell acidized Zone I w/ 10,000 gals HCl + blks of 100, 200, 300, & 300 gals (5 stgs). Well flowing back load. LD rods & pump. Tbg intake @ 5548'. BWO: P 4 BO + 20 BW (above pkr) AWO: FI 266 BO + 318 BW, 115# FTP, 25/64" chk(5-23-72)
- 6-10-72 Install pump & rods. POOH w/ tbg & pkr. GIH w/ 5.5" Baker TAC, SN, & 176 jts 2-7/8" tbg. Set TAC @ 5534'.
- 3-24-87 Convert to WIW. MIRU WO unit. POOH w/ rods, pump, & tbg. Next day- GIH w/ 4-3/4" bit & 5.5" CS on 175 jts 2-7/8" tbg. Tag @ 5505'. DO/CO to PBSD @ 5551' (fill- limestone). POOH w/ tools. GIH w/ R-3 pkr. Next day- set pkr @ 5534'-possible communication. Reset pkr @ 5430' & test annulus to 1000#- OK. POOH w/ tools. GIH w/ 5.5" cmt retrn. WOO. Set cmt retrn @ 5369' (to sqz Zone I: 5449-5548'). Halliburton mixed & pumped 100 sx CI B- attain walking sqz to 1400#. POOH w/ tbg. GIH w/ 4-3/4" bit & 5.5" CS. Next day- tag @ 5367' & DO/CO cmt & retrn to 5534' (PBSD). Next day- swb fluid to 2000'. POOH w/ tools. Schlumberger ran GR/CCL & found TD @ 5527'. Schlumberger

ru1732.hst

1

R.U. #17-32

RECEIVED

JUL 27 2000

DIVISION OF  
OIL, GAS AND MINING

perfed 5449-62', 5472-80', 5490-98', 5502-12', 5515-25' (adjusted fl 5518-30') w/ 4" CG w/ 4 SPF & 90 deg phas. GIH w/ 4 jts tbg & 5.5" pkr. Set pkr @ 5287' & tailpipe @ 5407'. Next day- Halliburton acidized 5449-5530' (OA) w/ 6000 gals 28% FE HCl (3 stgs). TTP 50-2500#, AIR 4.5 BPM @ 1200#, ISIP 400#, 3 min 0# (Vac). Swbd 114 bbls of 275. SFL @ 2000'. Next day- swbd 112 bbls. POOH w/ pkr & tbg. GIH w/ pkr. Set pkr @ 5373'. Halliburton sqzd 5449-5525' (OA) w/ 200 sx Cl B cmt to 800#. Next day- POOH w/ pkr. GIH w/ 4-3/4" bit to cmt @ 5373'. DO/CO to 5520' & test to 1000#- OK. POOH w/ tools. Next day- Petro WL perfed 5449-62', 5472- 5480', 5490-98', & 5502-12' w/ 4" CG w/ 4 SPF & 120 deg phas. GIH w/ 4 jts tbg & 5.5" pkr. Set pkr @ 5278' & tailpipe @ 5405'. Halliburton acidized 5449-5530' (OA) w/ 6000 gals 28% FE HCl (3 stgs). TTP 600-2900#, AIR 4.8 BPM @ 1750#, ISIP 300#, 3 min 0# (Vac). Swbd 149 bbls of 275. SFL @ 2000'. Swbd 60 bbls. POOH w/ pkr & tailpipe. GIH w/ 5.5" Otis Interlock pkr, on/off tool, & 173 jts 2-7/8" Rice Duoline tbg. Next day- set pkr @ 5381'. Pumped pkr fluid, made UIC tests @ 1000#, & put on injection. BWO: Inj 22 BWPD @ 0# TP , AWO: Inj 211 BWPD @ 1050# TP

- 6-20-89 Ran SLM to check TD w/ 1.425" tool & sample w/ 1.25" bailer. TD @ 5479'. Well file schematic shows calculated TOC @ 4100'.
- 11-10-89 Ran SLM to check TD w/ 1.425" tool & sample w/ 1.25" bailer. TD @ 5472'. Last TD 5479' on 6-20-89.
- 5-7-90 Ran SLM to check TD w/ 1.425" tool & sample w/ 1.25" bailer. TD @ 5482'. Last TD 5472' on 11-10-89.
- 5-14-90 CO for UIC tests. POOH w/ tbg & pkr. GIH w/ bit & CS. Tag scale @ 5492'. DO/CO to PBDT @ 5534'. POOH w/ tools. GIH w/ Otis Interlock pkr, on/off tool, & 173 jts 2-7/8" Rice Duoline tbg. Set pkr @ 5400'. Pmpd pkr fld, ran UIC tests @ 1130#, & HU to inj.
- 3-11-91 Ran SLM to check TD w/ 1.425" tool. TD @ 5407'. Last TD 5479' on 6-20-89.
- 10-7-91 CO w/ CT unit. MIRU coiled tbg unit. GIH to fill @ 5410'. Wash to 5425' & circulate clean. Recov black iron sulfide scale.
- 7-14-93 Ran SLM to check TD w/ 1.425" tool. TD @ 5413'. Last TD 5412' on 9-7-92.
- 07-27-93 Repair leak, CO, acidize. Rel pkr, POOH w/ tbg & pkr w/ on-off tool. RIH w/ pkr, set @ 5400', PT backside - held ok. Rel pkr, RIH w/ B & S, tag fill @ 5496', CO to PBDT 5534', Circ clean. Acidize DC perfs 5449-5512' w/ 5000 gals 15% HCL. TP 1020-2340#, ISIP 2400#, 5MIN 2130#, 10MIN 1970#, 15MIN 1890#. RIH w/ 5.5" Guiberson ER-VI HD IPC pkr w/ on-off tool & 172 jts 2-7/8" 6.5# J-55 cmt lined tbg, set pkr @ 5375'. HU to inj. **NOTE: PUMP OUT PLUG WAS STILL IN END OF OTIS PKR. WELL HAD BEEN INJECTING THRU 1/4" HOLE IN PUMP-OUT PLUG.**

TVE 08-10-93  
GOK 3-21-94 UPDATE  
Checked by LA Tucker 6-11-96

- 01-23-97 **COILED TBG ACID TREATMENT: TAGGED BOTTOM AT 5538'. PUMPED 4000 GAL H-15 15% HCL ACID FOLLOWED BY 300 LBS SODA ASH TO WASH PERFS. PUMPED MR 0.9 BPM AT 3000 PSI. (THIS SUMMARY TAKEN FROM D.S. SERVICE REPORT. FOREMAN'S W.O. SUMMARY NOT AVAILABLE).**

LAT

ru1732.hst

2

RECEIVED

JUL 27 2000

R.U. #17-32

DIVISION OF  
OIL, GAS AND MINING

Note- This summary was taken from Mobil drilling reporting system. Foreman summary of workover was not available).

7/27/1993 – Repair leak, CO, acidize. Release pkr, POOH w/ tbg, pkr and on/off tool. RIH w/ pkr set @5400', PT backside – held Ok. Released pkr, RIH w/ bit & scraper, tag fill @5496', CO to PBTD 5534', and circ clean. Acidize DC perfs 5449'-5512' w/ 5000gal 15%HCL. TP1020-2340#, ISIP 2400#, 5min 2130#, 10min 1970#, 15min 1890#. RIH w/ 5.5" Guiberson ER-VI IPC pkr w/ on/off tool and 172jts 2 7/8", 6.5#, J55 cmt lined tbg, set pkr @5375'. HU to injection. Note: The pump-out plug was still in the end of the Otis pkr. The well had been injecting through 1/4" hole in pump-out plug.

7/14/1993 – Ran SLM to check TD w/ 1.425" tool. TD set at 5413'. Last TD5412' on 9/7/1992.

## EHS Instructions

- A. Call State of Utah, BLM, and Navajo EPA before beginning any drilling including re-entry.
- B. All potential loss of well control and/or spills of formation fluids must be reported to the necessary governing agency immediately.
- C. Material Safety Data Sheets (MSDS) must be maintained on location for all materials and fluids except standard lubricants.
- D. SPCC plans for both the operator and the rig contractor should be available on location, preferably posted for convenience.
- E. Location hazard diagram provided should be distributed to the appropriate contractors.
- F. H2S exposure radius sheet attached should also be posted for workers to see.
- G. 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 edge instead of folding them over. This request is per Melvin Capitan, Navajo EPA.*

## GENERAL PROCEDURES.

### Note – Drilling Fluids

- Keep all particulate materials out of curves and laterals if at all possible.
- Minimize the use of particulate muds (carbonates) if possible.
- If CaCl<sub>2</sub> brine is used, then add 0.1% by volume of safebreak CBF to brine. This will break any emulsion that forms.
- If particulate muds (carbonate mud) is used, minimize the use of non-acid soluble materials such as barite. Use barite weighted carbonate mud only when necessary.

*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.*

*5% per EPA requirements*

*-Enc*

- (1) Prior to MIRU blow down well in pit or bobtail until tbg pressure drops below 500psi and csg pressure drops to 0psi. Kill well as needed.
- (2) Ensure well is dead. ND wellhead and NU BOPE. 4hrs

RECEIVED

JUL 27 2003

DIVISION OF  
OIL, GAS AND MINING

**Current Setup**

**New Setup**

**Annular Preventer**

**Annular Preventer**

**Pipe Rams**

**Blind Rams**

**Master valve**

**Note – Rams should be Double Schafer w/ side outlets**

**Blind Rams**

**Pipe Rams**

**Circ using csg valve**

**Csg valve cannot be used to circ**

- 3) MIRU PU. POOH SB 172jts of 2 7/8" cmt lined tbg and LD on/off tool, and 5 1/2" ER-VI HD IPC pkr. 6hrs**

**Note – Consultant- Record depth and physical appearance of tbg and pkr. If unable to do so, then contact Foreman or SS Engr.**

- (4) Notify Baker Petrolite rep (Gary Roberts 970-749-7175) to inspect tbg and pkr equipment. 1hr**

- (5) PU bit & scraper and RIH on production string to 5520'. Run 3jts between bit & scraper. 7hrs**

**Note – Replace tbg joints as needed.**

**Note – Record depth of fill, any tight spots, and obtain a sample if possible.**

- (6) POOH w/ tbg and LD bit & scraper. 3.5hrs**

- (7) PU CIBP, and RIH on 2 7/8" cmt lined production tbg. 4hrs**

- (8) Set CIBP @ 5350' and pressure test to 1000#. 1hr**

**Note – If it does not hold, consult with James Madison 970-565-1351 or Max Boone 713-431-1253 for further instructions.**

- (9) MIRU wireline. PU bailer and RIH and dump 1sx of cmt on top of CIBP. POOH w/ wireline unit and dump bailer. 1.5hr**

- (10) Circ in 1.15 by tbg & csg volume of pkr fluid (151bbls) w/ 1% inhibitor solution (63gal of CRW 132), and circ out calculated kill fluid. 3hrs**

- (11) POOH w/ 2 7/8" cmt lined tbg LD. Leave 1jt @ surface. 4hrs**

**Note – Baker Petrolite rep needs to inspect the flowline for possible inhibition as well.**

- (12) ND BOPE/ NU WH. RDMO and clean location. 2.5hrs**

- (13) Notify James Madison that job is complete. Notify BLM and Navajo EPA as necessary.**

**Total hrs – 37.5hrs + 10.5hrs misc = 48hrs**

**RECEIVED**

**JUL 27 2000**

**DIVISION OF  
OIL, GAS AND MINING**

Ratherford 1732  
WELL ID  
API #43-037-15729  
Sec 17-41S-24E

**OVERALL OBJECTIVE:**  
(1) To pull the old packer  
(2) RIH w/ CIBP  
(3) Circ pack fluid and TA wellbore

Csg size - 5 1/2", 14#, J55, 5664'

Surface csg - 13 3/8", 27.1#, 171'  
5/8", 24#, K55, 1457'

2 7/8" lined tbg

Surface Csg Shoe @1457'

**MUD WEIGHT:**  
**MUD VISCOSITY:**

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

**EXISTING EQUIPMENT**  
Run time - 7/27/93  
KB - 12'  
- 5375' - 5.5" Guiberson  
ER-VI HD IPC pkr w/ on/off  
tool  
- 172jts of 2 7/8" cmt lined  
tbg.

**NEW EQUIPMENT INFO**  
- CIBP at 5350'  
- 151bbls of pkr fluid w/ 1%  
CRW132

5375' Pkr depth

DO cmt 5534'  
Cmt ret 5551'

Perfs  
5449'-5462'  
5472'-5480'  
5490'-5098'  
5502'-5512'  
Sqz'd off perfs  
5515'-5130'  
5538'-5548'  
5555'-5574'

TD - 5666'

RECEIVED

JUL 27 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 <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>INJECTION WELL</b>		5. Lease Serial No. <b>14-20-603-353</b>
2. Name of Operator <b>Mobil Producing TX. &amp; N.M. Inc.</b>		6. If Indian, Allottee or Tribe Name <b>NAVAJO TRIBAL</b>
3a. Address <b>P.O. Box 4358 Houston TX 77210-4358</b>	3b. Phone No. (include area code) <b>(713) 431-1197</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 17 T41S R24E (SW/NE) 1830' FNL &amp; 2030' FEL</b>		8. Well Name and No. <b>Ratherford Unit 17W32</b>
		9. API Well No. <b>43-037-15729</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 type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input 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.)

The procedure to temporarily abandon is attached.

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

**RECEIVED**

JUL 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>		Title <b>Sr. Staff Office Assistant</b>	ExxonMobil Production Company, A division of Exxon Mobil Corporation, acting for Mobil Producing Texas & New Mexico Inc.
Signature <i>Ellen M. Carroll</i>	Date <b>07/26/2000</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)

U.S. West Production Organization  
Workover Job Summary

WBS JOB # \_\_\_\_\_

FIELD: RATHERFORD UNIT  
WELL NUMBER: 17-32

DATE: 24 FEBRUARY 2000  
RESV: DESERT CREEK

**WELL HISTORY**

See attached History. Well recently failed MIT on February 4th, 2000.

**PROBLEM DESCRIPTION & ANALYSIS**

Well failed MIT. There is adequate injection support in the area provided by laterals of offset injection wells, so re-establishing limited injection in this well is uneconomic. However, if either of the offset injectors are lost, this injector can be used as a replacement, since new drilling locations are unlikely.

**RECOMMENDED ACTION**

Temporarily abandon this wellbore, maintaining future injection potential.

**RESERVE, FLOWSTREAM & ECONOMIC ASSUMPTIONS**

N/A.

**RECEIVED**

JUL 27 2000

DIVISION OF  
OIL, GAS AND MINING

## WELL HISTORY

RATHERFORD UNIT #17-W-32  
GREATER ANETH FIELD  
1830' FNL & 2030' FEL  
SEC 17 T41S R24E  
SAN JUAN COUNTY, UTAH

API# 43 037 15729  
PRISM ID 0043054

KB: 4674' GL: 4662'  
TD: 5666' PBD: 5534'

- 6-29-58 Spud well. Drill 17-1/4" hole to 171'. Ran & set 13-3/8" 27.1#/ft conductor pipe. Cmt'd w/ ? sx cmt. Circulated to surface. Drill 11" hole to 1457'. Ran & set 8-5/8", 24#/ft K-55 surface csg. Cmt'd w/ ? sx cmt. NOTE: Left 260' in pipe. Drill 7-7/8" hole to TD @ 5666'. Condition hole for logs. Ran DLL/MSFU/GR & CDL/CNL/GR logs. Next day- ran & set 5.5", 14#/ft J-55 production csg @ 5664'. Cmt'd w/ ? sx cmt.
- 7-24-58 Initial completion. Made BOP & csg tests- OK. GIH w/ 4-3/4" bit & 5.5" CS. DO/CO to PBD @ 5628'. POOH w/tools. Ran CBLVDL-GR/CCL & perfed 5449-62', 5472-80', 5490-98', 5502-12', 5518-30', 5538-48', & 5555-74'. GIH w/ 5.5" Baker pkr & SN on 62 jts 2-7/8" PC tbg & 116 jts 2-7/8" plain tbg. Set pkr @ 5405'. SN @ 5372' w/ collar stop @ 5340'. Acidized w/ 500 gals reg HCl + 6000 gals retarded HCl. TTP 1800-0#, AIR 6.2 BPM. Swbd well to flowing. IP: FI 1248 BO + 0 BW, GOR 861, 250# FTP, 3/4" chk
- 11-29-59 Install artificial lift. MIRU WO unit & POOH w/ tbg & pkr. GIH w/ 5.5" McGaffey-Taylor TAC, SN, 4' GA, 62 jts 2-7/8" PC tbg & 116 jts 2-7/8" plain tbg. Set TAC @ 5433'. Ran 2.5" x 1.75" x 17' pump, (100) 3/4" SR, (64) 7/8" SR, (58) 1" SR, pony rods, & 1.5" x 22' PR.
- 2-9-65 Pump change f/ tbg pump to insert pump. MIRU WO unit & POOH w/ rods, pump, & tbg. GIH w/ SN, TAC, & 178 jts tbg. Set TAC @ 5430'. Ran 2.5" x 2" x 24' insert pump, (86) 3/4" SR, (72) 7/8" SR, (64) 1" SR, pony rods, & PR w/ 14' liner.
- 1-4-72 Test for communication. MIRU WO unit & POOH w/ rods, pump, & tbg. GIH w/ 5.5" Baker lokset pkr. Test for zone communication. POOH w/ pkr. GIH w/ BP nipple, knock out plug, 5.5" Baker lokset pkr, & 176 jts 2-7/8" tbg. Ran exchanged 2.5" x 1.75" x 24' insert pump & rods.
- 5-19-72 Sqz Zone II. MIRU WO unit & POOH w/ tbg & ?. GIH w/ Baker Mod K cmt retrn to 5551'. Halliburton sqzd Zone II: 5555- 5574' w/ 165 sx reg cmt + .6% Halad 9 to 4200#. GIH w/ pkr to 5419'. Dowell acidized Zone I w/ 10,000 gals HCl + blks of 100, 200, 300, & 300 gals (5 stgs). Well flowing back load. LD rods & pump. Tbg intake @ 5548'. BWO: P 4 BO + 20 BW (above pkr) AWO: FI 266 BO + 318 BW, 115# FTP, 25/64" chk(5-23-72)
- 6-10-72 Install pump & rods. POOH w/ tbg & pkr. GIH w/ 5.5" Baker TAC, SN, & 176 jts 2-7/8" tbg. Set TAC @ 5534'.
- 3-24-87 Convert to WIW. MIRU WO unit. POOH w/ rods, pump, & tbg. Next day- GIH w/ 4-3/4" bit & 5.5" CS on 175 jts 2-7/8" tbg. Tag @ 5505'. DO/CO to PBD @ 5551' (fill- limestone). POOH w/ tools. GIH w/ R-3 pkr. Next day- set pkr @ 5534'-possible communication. Reset pkr @ 5430' & test annulus to 1000#- OK. POOH w/ tools. GIH w/ 5.5" cmt retrn. WOO. Set cmt retrn @ 5369' (to sqz Zone I: 5449-5548'). Halliburton mixed & pumped 100 sx CI B- attain walking sqz to 1400#. POOH w/ tbg. GIH w/ 4-3/4" bit & 5.5" CS. Next day- tag @ 5367' & DO/CO cmt & retrn to 5534' (PBD). Next day- swb fluid to 2000'. POOH w/ tools. Schlumberger ran GR/CCL & found TD @ 5527'. Schlumberger

ru1732.hst

1

RECEIVED

R.U. #17-32

JUL 27 2000

DIVISION OF  
OIL, GAS AND MINING

perfed 5449-62', 5472-80', 5490-98', 5502-12', 5515-25' (adjusted fl 5518-30') w/ 4" CG w/ 4 SPF & 90 deg phas. GIH w/ 4 jts tbg & 5.5" pkr. Set pkr @ 5287' & tailpipe @ 5407'. Next day- Halliburton acidized 5449-5530' (OA) w/ 6000 gals 28% FE HCl (3 stgs). TTP 50-2500#, AIR 4.5 BPM @ 1200#, ISIP 400#, 3 min 0# (Vac). Swbd 114 bbls of 275. SFL @ 2000'. Next day- swbd 112 bbls. POOH w/ pkr & tbg. GIH w/ pkr. Set pkr @ 5373'. Halliburton sqzd 5449-5525' (OA) w/ 200 sx Cl B cmt to 800#. Next day- POOH w/ pkr. GIH w/ 4-3/4" bit to cmt @ 5373'. DO/CO to 5520' & test to 1000#- OK. POOH w/ tools. Next day- Petro WL perfed 5449-62', 5472- 5480', 5490-98', & 5502-12' w/ 4" CG w/ 4 SPF & 120 deg phas. GIH w/ 4 jts tbg & 5.5" pkr. Set pkr @ 5278' & tailpipe @ 5405'. Halliburton acidized 5449-5530' (OA) w/ 6000 gals 28% FE HCl (3 stgs). TTP 600-2900#, AIR 4.8 BPM @ 1750#, ISIP 300#, 3 min 0# (Vac). Swbd 149 bbls of 275. SFL @ 2000'. Swbd 60 bbls. POOH w/ pkr & tailpipe. GIH w/ 5.5" Otis Interlock pkr, on/off tool, & 173 jts 2-7/8" Rice Duoline tbg. Next day- set pkr @ 5381'. Pumped pkr fluid, made UIC tests @ 1000#, & put on injection. BWO: Inj 22 BWPD @ 0# TP , AWO: Inj 211 BWPD @ 1050# TP

- 6-20-89 Ran SLM to check TD w/ 1.425" tool & sample w/ 1.25" bailer. TD @ 5479'. Well file schematic shows calculated TOC @ 4100'.
- 11-10-89 Ran SLM to check TD w/ 1.425" tool & sample w/ 1.25" bailer. TD @ 5472'. Last TD 5479' on 6-20-89.
- 5-7-90 Ran SLM to check TD w/ 1.425" tool & sample w/ 1.25" bailer. TD @ 5482'. Last TD 5472' on 11-10-89.
- 5-14-90 CO for UIC tests. POOH w/ tbg & pkr. GIH w/ bit & CS. Tag scale @ 5492'. DO/CO to PBD @ 5534'. POOH w/ tools. GIH w/ Otis Interlock pkr, on/off tool, & 173 jts 2-7/8" Rice Duoline tbg. Set pkr @ 5400'. Pmpd pkr fld, ran UIC tests @ 1130#, & HU to inj.
- 3-11-91 Ran SLM to check TD w/ 1.425" tool. TD @ 5407'. Last TD 5479' on 6-20-89.
- 10-7-91 CO w/ CT unit. MIRU coiled tbg unit. GIH to fill @ 5410'. Wash to 5425' & circulate clean. Recov black iron sulfide scale.
- 7-14-93 Ran SLM to check TD w/ 1.425" tool. TD @ 5413'. Last TD 5412' on 9-?-92.
- 07-27-93 Repair leak, CO, acidize. Rel pkr, POOH w/ tbg & pkr w/ on-off tool. RIH w/ pkr, set @ 5400', PT backside - held ok. Rel pkr, RIH w/ B & S, tag fill @ 5496', CO to PBD 5534', Circ clean. Acidize DC perfs 5449-5512' w/ 5000 gals 15% HCL. TP 1020-2340#, ISIP 2400#, 5MIN 2130#, 10MIN 1970#, 15MIN 1890#. RIH w/ 5.5" Guiberson ER-VI HD IPC pkr w/ on-off tool & 172 jts 2-7/8" 6.5# J-55 cmt lined tbg, set pkr @ 5375'. HU to inj. NOTE: PUMP OUT PLUG WAS STILL IN END OF OTIS PKR. WELL HAD BEEN INJECTING THRU 1/4" HOLE IN PUMP-OUT PLUG.

TVE 08-10-93

GOK 3-21-94 UPDATE

Checked by LA Tucker 6-11-96

- 01-23-97 **COILED TBG ACID TREATMENT: TAGGED BOTTOM AT 5538'. PUMPED 4000 GAL H-15 15% HCL ACID FOLLOWED BY 300 LBS SODA ASH TO WASH PERFS. PUMPED MR 0.9 BPM AT 3000 PSI. (THIS SUMMARY TAKEN FROM D.S. SERVICE REPORT. FOREMAN'S W.O. SUMMARY NOT AVAILABLE).**

LAT

ru1732.hst

RECEIVED

2 JUL 27 2000

R.U. #17-32

DIVISION OF  
OIL, GAS AND MINING

Note- This summary was taken from Mobil drilling reporting system. Foreman summary of workover was not available).

7/27/1993 – Repair leak, CO, acidize. Release pkr, POOH w/ tbg, pkr and on/off tool. RIH w/ pkr set @5400', PT backside – held Ok. Released pkr, RIH w/ bit & scraper, tag fill @5496', CO to PBD 5534', and circ clean. Acidize DC perfs 5449'-5512' w/ 5000gal 15%HCL. TP1020-2340#, ISIP 2400#, 5min 2130#, 10min 1970#, 15min 1890#. RIH w/ 5.5" Guiberson ER-VI IPC pkr w/ on/off tool and 172jts 2 7/8", 6.5#, J55 cmt lined tbg, set pkr @5375'. HU to injection. Note: The pump-out plug was still in the end of the Otis pkr. The well had been injecting through 1/4" hole in pump-out plug.

7/14/1993 – Ran SLM to check TD w/ 1.425" tool. TD set at 5413'. Last TD5412' on 9/7/1992.

## EHS Instructions

- A. Call State of Utah, BLM, and Navajo EPA before beginning any drilling including re-entry.
- B. All potential loss of well control and/or spills of formation fluids must be reported to the necessary governing agency immediately.
- C. Material Safety Data Sheets (MSDS) must be maintained on location for all materials and fluids except standard lubricants.
- D. SPOC plans for both the operator and the rig contractor should be available on location, preferably posted for convenience.
- E. Location hazard diagram provided should be distributed to the appropriate contractors.
- F. H2S exposure radius sheet attached should also be posted for workers to see.
- G. 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 edge instead of folding them over. This request is per Melvin Capitan, Navajo EPA.*

## GENERAL PROCEDURES.

### Note – Drilling Fluids

- Keep all particulate materials out of curves and laterals if at all possible.
- Minimize the use of particulate muds (carbonates) if possible.
- If CaCl<sub>2</sub> brine is used, then add 0.1% by volume of safebreak CBF to brine. This will break any emulsion that forms.
- If particulate muds (carbonate mud) is used, minimize the use of non-acid soluble materials such as barite. Use barite weighted carbonate mud only when necessary.

*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.*

*5% per EPA requirements  
-Enc*

- (1) Prior to MIRU blow down well in pit or bobtail until tbg pressure drops below 500psi and csg pressure drops to 0psi. Kill well as needed.
- (2) Ensure well is dead. ND wellhead and NU BOPE. 4hrs

RECEIVED

JUL 27 2000

DIVISION OF  
OIL, GAS AND MINING 16

**Current Setup**

**New Setup**

**Annular Preventer**

**Annular Preventer**

**Pipe Rams**

**Blind Rams**

**Master valve**

**Note – Rams should be Double Schafer w/ side outlets**

**Blind Rams**

**Pipe Rams**

**Circ using csg valve**

**Csg valve cannot be used to circ**

**(3) MIRU PU. POOH SB 172jts of 2 7/8" cmt lined tbg and LD on/off tool, and 5 1/2" ER-VI HD IPC pkr. 6hrs**

**Note – Consultant- Record depth and physical appearance of tbg and pkr. If unable to do so, then contact Foreman or SS Engr.**

**(4) Notify Baker Petrolite rep (Gary Roberts 970-749-7175) to inspect tbg and pkr equipment. 1hr**

**(5) PU bit & scraper and RIH on production string to 5520'. Run 3jts between bit & scraper. 7hrs**

**Note – Replace tbg joints as needed.**

**Note – Record depth of fill, any tight spots, and obtain a sample if possible.**

**(6) POOH w/ tbg and LD bit & scraper. 3.5hrs**

**(7) PU CIBP, and RIH on 2 7/8" cmt lined production tbg. 4hrs**

**(8) Set CIBP @ 5350' and pressure test to 1000#. 1hr**

**Note – If it does not hold, consult with James Madison 970-565-1351 or Max Boone 713-431-1253 for further instructions.**

**(9) MIRU wireline. PU bailer and RIH and dump 1sx of cmt on top of CIBP. POOH w/ wireline unit and dump bailer. 1.5hr**

**(10) Circ in 1.15 by tbg & csg volume of pkr fluid (151bbls) w/ 1% inhibitor solution (63gal of CRW 132), and circ out calculated kill fluid. 3hrs**

**(11) POOH w/ 2 7/8" cmt lined tbg LD. Leave 1jt @ surface. 4hrs**

**Note – Baker Petrolite rep needs to inspect the flowline for possible inhibition as well.**

**(12) ND BOPE/ NU WH. RDMO and clean location. 2.5hrs**

**(13) Notify James Madison that job is complete. Notify BLM and Navajo EPA as necessary.**

**Total hrs – 37.5hrs + 10.5hrs misc = 48hrs**

**RECEIVED**

**JUL 27 2000**

**DIVISION OF  
OIL, GAS AND MINING**

**Patherford 1732**  
**WELL ID**  
**API #43-037-15729**  
 Sec 17 - 41S - 24E

**OVERALL OBJECTIVE:**  
 (1) To pull t and pkr  
 (2) RIH w/ CIBP  
 (3) Circ pkr fluid and TA wellbore

Csg size - 5 1/2", 14#, J55,5664'

Surface csg - 13 3/8", 27.1#, 171'  
 5/8", 24#, K55, 1457'

2 7/8" lined tbg

Surface Csg Shoe @1457'

**MUD WEIGHT:**  
**MUD VISCOSITY:**

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

**EXISTING EQUIPMENT**  
 Run time - 7/27/93  
 KB - 12'  
 -5375' - 5.5" Guiberson  
 ER-VI HD IPC pkr w/ on/off  
 tool  
 - 172jts of 2 7/8" cmt lined  
 tbg.

**NEW EQUIPMENT INFO**  
 CIBP at 5350'  
 151bbls of pkr fluid w/ 1%  
 CRW132

5375' Pkr depth

DO cmt 5534'  
 Cmt ret 5551'

**Perfs**  
 5449'-5462'  
 5472'-5480'  
 5490'-5098'  
 5502'-5512'  
**Sqz'd off perfs**  
 5515'-5130'  
 5538'-5548'  
 5555'-5574'

TD - 5666'

**RECEIVED**

JUL 27 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 17W32**

9. API Well No.  
**43-037-15729**

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

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

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

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

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec 17 T41S R24E (SW/NE) 1830' FNL & 2030' 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 Interest	<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 checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<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.)

The temporary abandonment procedure (Sundry Notice approved August 4, 2000) has been performed on this well. A Subsequent Notice will be submitted.

**Casing Repair Procedure:**

1. Pull the plug that is in hole.
2. Find casing leak.
3. Clean out.
4. Pressure test to 1000 psi with <5% loss for 30 minutes.
5. Resqueeze if necessary.
6. After a successful MIT is obtained as described in item 4, return well to injection.

The due date for repair is currently September 25, 2000. We have asked the EPA for a 15-day extension. We anticipate the repairs will be completed by October 10, 2000.

**RECEIVED**

SEP 22 2000

DIVISION OF  
OIL, GAS AND MINING

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

Name (Printed/Typed) **Mark Del Pico** *Mark Del Pico*

Signature \_\_\_\_\_

Title **Regulatory Specialist**

Date **09/21/2000**

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

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>INJECTION WELL</b>		5. Lease Serial No. <b>14-20-603-353</b>
2. Name of Operator <b>Exxon Mobil Corporation</b>		6. If Indian, Allottee or Tribe Name <b>NAVAJO TRIBAL</b>
3a. Address <b>P.O. Box 4358</b> <b>Houston TX 77210-4358</b>	3b. Phone No. (include area code) <b>(713) 431-1022</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 17 T41S R24E (SW/NE) 1830' FNL &amp; 2030' FEL</b>		8. Well Name and No. <b>Ratherford Unit 17W32</b>
		9. AP Well No. <b>43-037-15729</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 type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input 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 recomple 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 recomple 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 recalcination, have been completed, and the operator has determined that the site is ready for final inspection.)

A request to Temporarily Abandon this well was submitted on 7/26/00 and approved on 8/04/00. After this approval, a Casing Repair Sundry was submitted on 9/21/00 indicating we wished to return this well to injection. Mobil Exploration & Producing US Inc. as agent for Mobil Producing Texas & New Mexico Inc. & Mobil Exploration & Producing North America Inc. now plans to Temporarily Abandon this well using the same TA procedures submitted on 7/26/00, with the exception of setting a retrievable bridge plug at 5340'.

**RECEIVED**

OCT 9 2000

DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Mark Del Pico</b>	Title <b>Regulatory Specialist</b>
Signature <i>Mark Del Pico</i>	Date <b>10/18/2000</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title
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

Accepted by the  
Utah Division of  
Oil, Gas and Mining

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

**FTR RECORD ONLY**

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 17W32**

9. API Well No.  
**43-037-15729**

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

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

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

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

2. Name of Operator  
**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)  
**Sec 17 T41S R24E (SW/NE) 1830' FNL & 2030' FEL**

**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 checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<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 recalcination, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached is information on well work performed from 7/25/00 through 10/19/00.

The first squeeze was unsuccessful. A successful MIT (unwitnessed) was obtained after the second squeeze. The witnessed MIT chart will be submitted as soon as it is available.

**RECEIVED**

NOV 01 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>	ExxonMobil Production Company, A division of Exxon Mobil Corporation, acting for Mobil Producing Texas & New Mexico Inc.
Signature <i>Ellen M. Carroll</i>	Date <b>10/31/2000</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 #17W32  
API #43-037-15729 SEC. 17, T41S, R24E  
SAN JUAN COUNTY, UTAH

Page 1 / 4

**SQUEEZE #1**

7/25/00

MI WSU. Spot pump, pit, and BOPE.

7/26/00

RU WSU. Conduct safety/orientation meeting. Attempt to bleed down well. Try to pump into the well through the leaking tbg. valve. Able to pump .25 BPM. SDFN.

7/27/00

Change out casing valves and prep for hot tap.

7/28/00

Conduct pre-job meeting. RU Wild Well Control and BTI to hot tap the tubing. Hot tap and begin flowing back the well. Flowed pressure down from 2400 psi to ~300 psi. Pumped 11.6 ppg brine to kill. Change out tubing valve. RU slickline and RIH and set plug in profile of on/off tool and bled tubing to 0. SDFN

7/31/00

Road crew to location. SITP 1600 psi. Blew down to 0 but pressure kept building. Called for slickline. Unavailable until tomorrow. SDFN.

8/1/00

SITP at 2400 psi. Bled down to 1500 and monitor. RU slickline and RIH. POOH with blanking plug. Redress plug and flow well back. RIH. Plug would not set. POOH. Flow well and RIH. Plug would not set. POOH and dress different plug. RIH and set plug. Plug would not hold pressure. RIH and retrieve plug. SDFN.

8/2/00

SITP 2400 psi. Flowed back ~30 bbls. SITP @ 1400 psi. RU slickline and RIH with a 1.784 gauge ring. Did not feel anything. NOTE: Well file indicates that the profile nipple is a 1.78 'F' nipple. POOH and RIH with 1.80 gauge ring. Tagged nipple. POOH and RIH with a 1.81 blanking plug. Spudded on plug until it felt solidly in place. Sheared off and POOH. NOTE: It took several attempt to shear off of the plug. Bled off tubing pressure and monitored well for 2 hours. No pressure seen. NDWH, remove slips and NUBOPE. Hooked up choke and kill lines and attempted to get off of the on/off tool. When the tool released the blanking plug also came free. Pressure went up immediately and ~ 5 bbls of packer fluid was spilled on the ground before the well could be shut-in. SDFN.

8/3/00

SITP 2400 psi. Flowed back ~30 bbls. SITP @ 1700 psi. Hook up kill lines and conduct safety meeting with all personnel. Circulate the well with 17.5 ppg mud. SITP 0 psi. SDFN

**RECEIVED**

NOV 01 2000

DIVISION OF  
OIL, GAS AND MINING

Sundry Notice Subsequent Report dated 10/31/00

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT #17W32  
API #43-037-15729 SEC. 17, T41S, R24E  
SAN JUAN COUNTY, UTAH

Page 2 / 4

8/4/00

SITP 0. After ~15 minutes annulus started to build pressure. Circulated 145 bbls down the casing and up the tubing. SITP was 250 psi. Closed backside and bullheaded 11 bbls down tubing. Casing pressure began to climb. Equalized the tubing and casing and shut in well with 250 psi. After 45 minutes pressure had stabilized at 100 psi. slowly bled off the pressure and NDBOPE to remove the remaining parts of the tubing hanger. NUBOPE and pull and lay down landing joint. Pull one stand and install RBP RIH and set and test the BOPE. POOH with RBP and POOH with the tubing and on/off tool. MU RBP and RIH. On trip in the blanking plug that came loose fell from one of the joints of tubing. Set RBP at ~5340. SDFN.

8/5/00

NDBOPE, NUWH. RU and circulate packer fluid. RDWSU.

SQUEEZE #2:

9/25/00

MI WSU. Spot pump, pit, and BOPE.

9/26/00

Finish RU of pump, pit and tanks. No vacuum trucks available. SDFN

9/27/00

Roll hole with KWF. NDWH, NU and test BOPE. Roll mud out of the hole. Rig losing air pressure. SD for repairs.

9/28/00

Open well. 0 psi. POOH laying down 170 joints of cement lined tubing. MU test packer and RIH on workstring to 2500'. Set packer and begin looking for casing leak. Test below packer and tubing to 900 psi. OK. Test annulus above packer to 900 psi. OK. Release packer and pressure entire wellbore to 875 psi. Bled off ~100 psi in 25 minutes. Pressure back up to 1125 psi. Bled off ~130 psi in 20 minutes. Reset packer and tested annulus above packer. Bled off 100 psi in 7 minutes. Test tubing side and it tested good. POOH with 10 joints and reset packer. Tested annulus to 1000 psi. Bled off ~100 psi in 15 minutes. Decided to roll the hole with clean fresh water to help identify the leak easier. Currently there is packer fluid in the hole and it seems to be "foamy".

9/29/00

Open well. 0 psi. RIH with workstring to ~5217'. Roll the hole with fresh water. Set the packer and test the tubing and RBP to 1060 psi. Good. Test annulus to 1035 psi. Bled down to 900 psi in 20 minutes. POOH with 97 joints and set packer at 2196'. Test annulus to 1100 psi. Good. Tested down the tubing to 1040 psi. Bled off to 920 psi in 15 minutes. SDFN.

10/2/00

SITP 0 psi. RIH with 6 joints and set packer at 2384'. Pump down the annulus to 1120 psi. Good. Run 2 more joints to 2447'. Test annulus to 1180 psi. Good. Run 2 joints to 2509'. Test annulus to 1160 psi. Good. Test down th tubing to 1020 psi. Bled down to 870 psi in 15 minutes. Test again to 1030 psi. Bled off to 930 psi in 15 minutes. RIH with 10 joints to

**RECEIVED**

NOV 01 2000

Sundry Notice Subsequent Report dated 10/31/00

DIVISION OF  
OIL, GAS AND MINING

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT #17W32  
API #43-037-15729 SEC. 17, T41S, R24E  
SAN JUAN COUNTY, UTAH

Page 3 / 4

2821' and test annulus. Good. RIH to 3196' and test annulus. Good. RIH to 3696 and test annulus. Bled off 80 psi in 10 minutes. Test down the tubing and it tested good. POOH to 3446 and test annulus. Bled off 40 psi in 5 minutes. POOH to 3321' and test annulus. Good. RIH to 3383' and test annulus. Leaked. POOH to 3352' and test annulus. Leaked. Tested tubing. Good. Leak isolated to between 3352' and 3321'. POOH with packer and dump 2 sacks of sand on top of RBP. RIH with tubing to 3352'. SDFN

10/3/00

Stand-by...cementers unavailable

10/4/00

MIRU Dowell. Conduct orientation and pre-job meeting. Test lines to 3000 psi. Mix and pump cement as follows:

25 sacks of class H cement with 5# of antifoaming agent D46, 14 # of dispersant TIC D65, 14# of Fluid loss UniFLAC\_S D167. Balanced plug from 3352' -3134'. Pull 10 joints of tubing and reverse the tubing clean. Begin to squeeze the cement. Pumped 2 bbls of displacer. SI pressure was 1200 psi. 15 min. pressure at 950. Pumped .2 bbls pressure to 1200. after 15 min. pressure at 1040. Pumped .2 bbls pressure to 1186. 15 min. pressure at 1110 and stable. S/I and RD Dowell. SDFN

10/5/00

SITP/CP 525 psi. Bled off and POOH with tubing. Mu and RIH with bit, scraper, 4 drill collars and tubing. Tagged cement at 3287'. RU swivel and drill out to 3297'. Cement still green. SDFN

10/6/00

Open well and resume drilling and circulating until clean. Close in well and pressure test to 1020 psi. Bled off 200 psi in 5 minutes. Pressure back up to 1080 psi. Bled off to 600 psi in 5 min. SD for the weekend. Weekend rental cost included.

10/9/00

POOH and stand back drill collars. RIH with a packer to isolate the leak. Determine that leak was in the same spot. POOH and lay down packer. RIH with open-ended tubing. SDFN.

10/10/00

EOT at 3352. RU Dowell and conduct pre-job meeting. Test lines to 2500 psi. Pump cement as follows: 45 sacks of Class 'g' cement. Balanced plug and POOH with 16 joints and reverse the tubing clean. Begin to squeeze the cement. Pump 1.9 bbls pressure to 1200 psi. 5 min = 1016, 10 min = 860, 15 min = 770. Pumped .3 bbls to 1200 psi. 5 min = 1167, 10 min = 1154, 15 min = 1144. pumped .05 bbls to 1210 psi. 5 min = 1250, 10 min = 1235, 15 min = 1222, 30 min = 1195. SI well and RD Dowell. SIFN

RECEIVED

NOV 01 2000

DIVISION OF  
OIL, GAS AND MINING

Sundry Notice Subsequent Report dated 10/31/00

ATTACHMENT - FORM 3160-5  
RATHERFORD UNIT #17W32  
API #43-037-15729 SEC. 17, T41S, R24E  
SAN JUAN COUNTY, UTAH

Page 4 / 4

10/11/00

SI pressure 440 psi. POOH and MU drilling BHA. RIH and tag cmt at 3077'. Drill 1 joint. Cement still green. Pressure up to 1080 psi and SIFN.

10/12/00

SI pressure 750 psi. RU swivel and continue drilling and circulating clean. Pressure test to 1080. 15 min = 1040, 30 min = 1025. POOH laying down bha and RIH with retrieving head for RBP. SDFN

10/13/00

Open well and RIH and circulate sand off of the RBP. POOH. Add 4' perf. Sub above the retrieving head and RIH. 4 stands above the tool the brake linkage failed and the blocks fell. No injuries! Repaired the linkage and air lines and secure the well. SD for the weekend. Weekend rental rates included.

10/16/00

SD for incident investigation and rig safety visit.

10/17/00

SD

10/18/00

Open well and RIH with 8 joints. Roll hole with packer fluid. POOH laying down workstring. RIH with 75 joints of cmt. Lined tubing. Land with new tubing hanger. Install BPV. NDBOPE, NUWH. Remove BPV and SD.

10/19/00

RDMO

RECEIVED

NOV 01 2000

DIVISION OF  
OIL, GAS AND MINING

Sundry Notice Subsequent Report dated 10/31/00

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 <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>INJECTION WELL</b>		5. Lease Serial No. <b>14-20-603-353</b>
2. Name of Operator <b>Mobil Producing TX. &amp; N.M. Inc.</b>		6. If Indian, Allottee or Tribe Name <b>NAVAJO TRIBAL</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>	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 17 T41S R24E (SW/NE) 1830' FNL &amp; 2030' FEL</b>		8. Well Name and No. <b>Ratherford Unit 17W32</b>
		9. API Well No. <b>43-037-15729</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 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>MIT Chart</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 the MIT chart for the subject well.  
Test date: November 30, 2000.

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

RECEIVED  
DEC 07 2000  
DIVISION OF  
OIL, GAS AND MINING

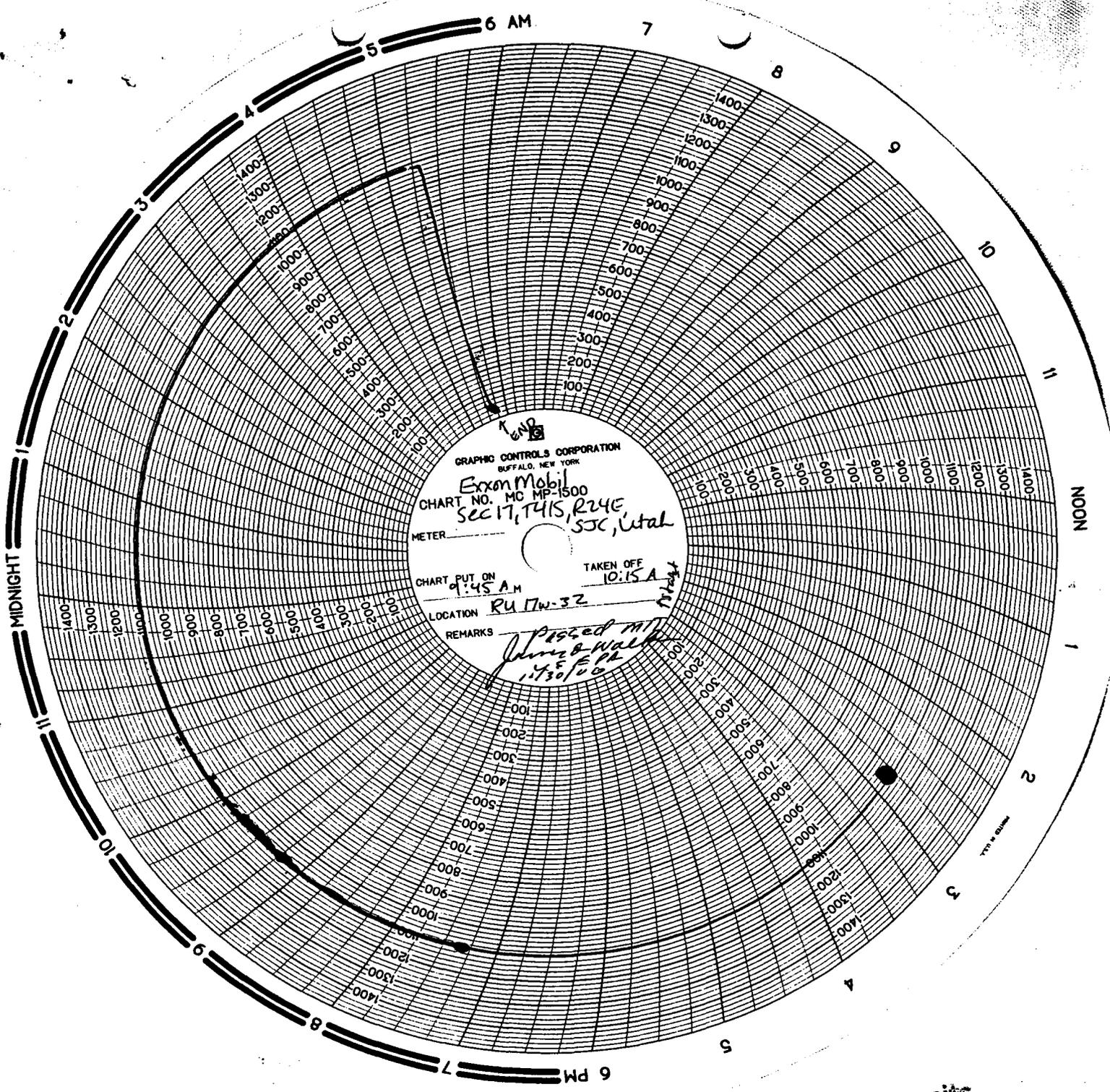
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Ellen M. Carroll</b>	Title <b>Sr. Staff Office Assistant</b>	<b>ExxonMobil Production Company, A Division of Exxon Mobil Corporation, acting for Mobil Producing Texas &amp; New Mexico Inc.</b>
Signature <i>Ellen M. Carroll</i>	Date <b>12/06/2000</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)



Permits

DEC 5 2000

RECEIVED

DEC 07 2000

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. <b>14-20-603-353</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 17W32</b>
9. API Well No. <b>43-037-15729</b>
11. County or Parish, State <b>SAN JUAN 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 WELL</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) 431-1010</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Sec 17 T41S R24E (SW/NE) 1830' FNL &amp; 2030' FEL</b>	

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 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 Extension</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.)

**Exxon Mobil Oil Corporation request SI status extension.**

**Well is being evaluated for possible future use in CO2 project.**

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

**RECEIVED**  
**DEC 11 2001**  
**DIVISION OF  
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Joel O. Talavera</b>	Title <b>Regulatory Specialist</b>
Signature <i>Joel Talavera (6275)</i>	Date <b>12/11/2001</b>

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

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

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

*(Instructions on Reverse)*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>INJECTION WELL</b>		5. Lease Serial No. <b>14-20-603-353</b>
2. Name of Operator <b>Exxon Mobil Corporation</b>		6. If Indian, Allottee or Tribe Name <b>NAVAJO TRIBAL</b>
3a. Address <b>P.O. Box 4358 Houston TX 77210-4358</b>	3b. Phone No. (include area code) <b>(713) 431-1010</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 17 T41S R24E (SW/NE) 1830' FNL &amp; 2030' FEL</b>		8. Well Name and No. <b>RATHERFORD UNIT 17W32</b>
		9. API Well No. <b>43-037-15729</b>
		10. Well Name <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 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 Extension</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.)

**Exxon Mobil Oil Corporation request SI status extension.**

**Well is being evaluated for possible future use in CO2 project.**

RECEIVED  
DEC 13 2001  
DIVISION OF  
OIL, GAS AND MINERAL

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Joel O. Talavera</b>		Title <b>Regulatory Specialist</b>
Signature <i>Joel Talavera (6275)</i>		Date <b>12/11/2001</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on Reverse)

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

June 27, 2001

**ExxonMobil**  
*Production*

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

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

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

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

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

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

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

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

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

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

RECEIVED

JUN 29 2001  
DIVISION OF OIL, GAS AND MINING



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

~~XXXXXXXXXXXX~~  
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,

**DEAN 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 <i>J DM</i>	_____
NATV AMEN COORD	_____
SOLID MIN TEAM	_____
PETROMENT 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

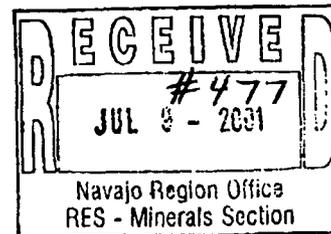
*File 7/12/2001*  
*JK*  
*593*  
*File*

June 27, 2001

**ExxonMobil**  
*Production*

Certified Mail  
Return Receipt Requested

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



Change of Name -  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

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

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

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

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

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

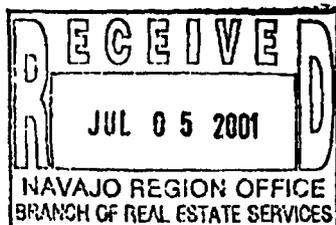
If you have any questions , please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



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

*NOTE: Check forwarded to Ella Jossie*

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.

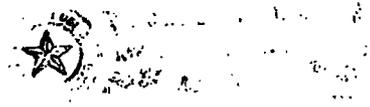
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

*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**

	<b>Lease Number</b>
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  
Telephone: (713) 227-4600 • Facsimile: (713) 297-4750

*NA 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**

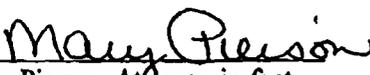
**All other terms and conditions of this Bond are unchanged.**

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

**ExxonMobil Oil Corporation**

By: 

**FEDERAL INSURANCE COMPANY**

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



**Chubb  
Surety**

**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 Certificate of Incorporation effected by this Certificate are as follows:

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

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

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

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

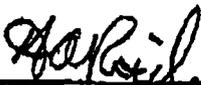
CSC  
CSC

5184334741

06/01 '01 08:47 NO. 410 04/05  
06/01 '01 07:00 NO. 133 03/04

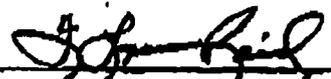
FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

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

  
\_\_\_\_\_  
F. A. Ritch, President 

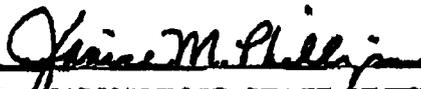
STATE OF TEXAS            )  
COUNTY OF DALLAS        )

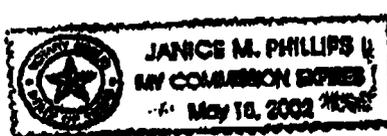
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
\_\_\_\_\_  
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 09/04  
**F010601000187**

**CSC 45**

**CERTIFICATE OF AMENDMENT**

**OF**

**MOBIL OIL CORPORATION**

Under Section 805 of the Business Corporation Law

*SAC*

**100 cc**  
**STATE OF NEW YORK**  
**DEPARTMENT OF STATE**

Filed by: EXXONMOBIL CORPORATION  
(Name)

FILED JUN 01 2001

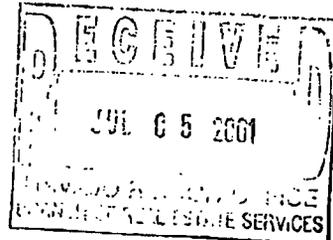
6949 Las Colinas Blvd.  
(Mailing address)

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

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

*ny Albany*

*Case 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 be "J. H. ...", written over a horizontal line.

*Special Deputy Secretary of State*

**OPERATOR CHANGE WORKSHEET**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective: <b>06-01-2001</b>	
<b>FROM: (Old Operator):</b>	<b>TO: ( New Operator):</b>
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

**CA No. Unit: RATHERFORD**

<b>WELL(S)</b>						
NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NAVAJO A-9 (RATHERFORD 16W23)	16-41S-24E	43-037-15722	99990	INDIAN	WI	A
NAVAJO A-12 (RATHERFORD 16W21)	16-41S-24E	43-037-16414	99990	INDIAN	WI	A
RATHERFORD 16W43	16-41S-24E	43-037-16415	99990	INDIAN	WI	A
RATHERFORD 17-W-12	17-41S-24E	43-037-15726	6280	INDIAN	WI	A
17-14	17-41S-24E	43-037-15727	6280	INDIAN	WI	A
RATHERFORD 17-W-23	17-41S-24E	43-037-15728	6280	INDIAN	WI	A
17-32	17-41S-24E	43-037-15729	6280	INDIAN	WI	A
17-34	17-41S-24E	43-037-15730	6280	INDIAN	WI	A
17-41	17-41S-24E	43-037-15731	6280	INDIAN	WI	I
RATHERFORD 17-W-21	17-41S-24E	43-037-16416	99990	INDIAN	WI	A
RATHERFORD 17W43	17-41S-24E	43-037-16417	99990	INDIAN	WI	A
RATHERFORD 18-W-14	18-41S-24E	43-037-15735	6280	INDIAN	WI	A
18-W-32	18-41S-24E	43-037-15736	6280	INDIAN	WI	A
RATHERFORD 18-W-34	18-41S-24E	43-037-15737	6280	INDIAN	WI	A
DESERT A-4 (RATHERFORD 18W41)	18-41S-24E	43-037-15738	99990	INDIAN	WI	A
DESERT A-3 (RATHERFORD 18-W-21)	18-41S-24E	43-037-16418	99990	INDIAN	WI	A
18-23	18-41S-24E	43-037-30244	6280	INDIAN	WI	A
RATHERFORD U 18-W-12 (SDTRK)	18-41S-24E	43-037-31153	6280	INDIAN	WI	A
RATHERFORD UNIT 18-W-43B	18-41S-24E	43-037-31718	6280	INDIAN	WI	A
RATHERFORD U 19-W-12	19-41S-24E	43-037-15739	6280	INDIAN	WI	A

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
- Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
- If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**NOTE: EPA ISSUES UIC PERMIT**

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/11/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/11/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

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

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

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

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

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

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

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A

The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

---

---

---

---

---

---

UNITED STATES  
DEPARTMENT OF THE INTERIOR **Permits**  
BUREAU OF LAND MANAGEMENT **FEB 23 2006**

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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

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

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

3b. Phone No. (include area code)  
**281-654-1021**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**S-17, T-41S, R-24E, SW NE 1830' FNL & 2030' FEL**

5. Lease Serial No.  
**1420603353**

6. If Indian, Allottee or Tribe Name  
**Ship Rock**

7. If Unit or CA/Agreement, Name and/or No.  
**UTU68931A**

8. Well Name and No.  
**Ratherford Unit 17W32**

9. API Well No.  
**43-037-15729-00-S1**

10. Field and Pool, or Exploratory Area  
**Aneth**

11. County or Parish, State  
**San Juan County, 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 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 type="checkbox"/> Other _____
	<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 the 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 reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Exxon Mobil would like to request a T/A extension until 12-31-06. A successful MIT was done 01/11/06 (copies attached). This well is being held as a replacement well to 17W43.

**THIS APPROVAL EXPIRES 12/31/06**  
**Accepted by**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**

RECEIVED  
 070 FARMINGTON NM  
 JUN 26 PM 12 51

RECEIVED  
 APR 24 2006

14. I hereby certify that the foregoing is true and correct  
 Name (Printed/Typed) **Linda Koch** Title **Contract Staff Office Assistant**

Signature *Linda Koch* Date **01/25/2006**

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

Approved by *[Signature]* Title *PO* Date **FEB 17 2006**

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 *IFD*

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**OPERATOR**

**ANNULAR PRESSURE TEST**  
(Mechanical Integrity Test)

JAN 24 2006

Operator Exxon Mobil Date of Test 01/11/2006  
 Well Name Ratherford Unit Well No. 17W-32 EPA Permit No. \_\_\_\_\_  
 Location SINNE Sec 17 T41S R24E Tribal Lease No. 14-20-603-353  
 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
	0-3000psi gauge	0-1500psi recorder	0-2000psi gauge
1:23 pm	1050	1020	1000
1:28 pm	1050	1019	1000
1:33 pm	1050	1018	1000
1:38 pm	1050	1018	1000
1:43 pm	1049	1017	999
1:48 pm	1048	1016	998
1:53 pm	1047	1015	997

MAX. INJECTION PRESSURE: 3000 PSI  
 MAX. ALLOWABLE PRESSURE CHANGE: 51.0 PSI (TEST PRESSURE X 0.05)  
 REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

TA

Passed MIT  
 Company to get truck to bleed off bradenhead.

ALBERT M. TOHTSONIC Albert M. Tohtsonic  
 COMPANY REPRESENTATIVE: (Print and Sign)  
Malvina C. Clark Malvina C. Clark  
 INSPECTOR: (Print and Sign)

01/11/06  
 DATE  
01/11/2006  
 DATE



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

<b>ROUTING</b>
1. DJJ
2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		<b>6/1/2006</b>
<b>FROM:</b> (Old Operator): 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:**

---



---

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 6/1/2006

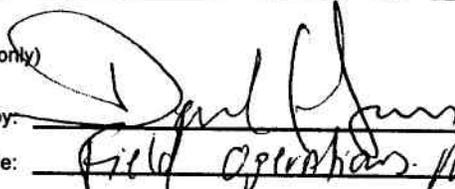
CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation Name: \_\_\_\_\_  
Address: PO Box 4358 Signature: \_\_\_\_\_  
city Houston state TX zip 77210-4358 Title: \_\_\_\_\_  
Phone: (281) 654-1936 Date: \_\_\_\_\_  
Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company Name: Dwight E Mallory  
Address: 1675 Broadway, Suite 1950 Signature:   
city Denver state CO zip 80202 Title: Regulatory Coordinator  
Phone: (303) 534-4600 Date: 4/20/2006  
Comments: A list of affected UIC wells is attached.  
New bond numbers for these wells are:  
BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by:   
Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

RECEIVED  
APR 24 2006

DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe
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: Ratherford Unit
2. NAME OF OPERATOR: Resolute Natural Resources Company <u>N2700</u>		8. WELL NAME and NUMBER: See attached list
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202		9. API NUMBER: Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>See attached list</u> COUNTY: <u>San Juan</u>		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
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  
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> <u>N1855</u>		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) Laurie Kilbride TITLE Permitting Supervisor

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

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

RECEIVED  
APR 21 2006

**GREATER ANETH FIELD UIC WELL LIST**  
**Ratherford lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	1W24	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	41S	23E	0651FSL	3300FEL
RATHERFORD UNIT	2W44	430371638600S1	Active	14-20-603-246A	SE	SE	2	41S	23E	0810FSL	0510FEL
RATHERFORD UNIT	11W42	430371584100S1	Active	14-20-603-246A	SE	NE	11	41S	23E	3290FSL	4617FWL
RATHERFORD UNIT	11W44	430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	41S	23E	0660FSL	0558FEL
RATHERFORD UNIT	12W11	430371584300S1	Active	14-20-603-246A	NW	NW	12	41S	23E	0678FNL	4620FEL
RATHERFORD UNIT	12W13	430371640400S1	Active	14-20-603-246A	NW	SW	12	41S	23E	1980FSL	4620FEL
RATHERFORD UNIT	12W22	430371584501S1	Active	14-20-603-246A	SE	NW	12	41S	23E	1920FNL	2080FWL
RATHERFORD UNIT	12W24	430373115101S1	Active	14-20-603-246A	SE	SW	12	41S	23E	0775FSL	1980FWL
RATHERFORD UNIT	12W31	430371584700S1	Active	14-20-603-246A	NW	NE	12	41S	23E	0661FNL	1981FEL
RATHERFORD UNIT	12W33	430371584800S1	Active	14-20-603-246A	NW	SE	12	41S	23E	1958FSL	3300FEL
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A	SE	NE	12	41S	23E	3275FSL	0662FEL
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-603-246A	SE	SE	12	41S	23E	0772FSL	0807FEL
RATHERFORD UNIT	13W11	430373115201S1	Active	14-20-603-247A	NW	NW	13	41S	23E	0500FNL	0660FWL
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	41S	23E	1980FSL	4620FEL
RATHERFORD UNIT	13W22	430371585200S1	Active	14-20-603-247A	SE	NW	13	41S	23E	1988FNL	3300FEL
RATHERFORD UNIT	13W24	430371585300S1	Active	14-20-603-247A	SE	SW	13	41S	23E	0660FSL	3300FEL
RATHERFORD UNIT	13W33	430371585501S1	Active	14-20-603-247A	NW	SE	13	41S	23E	1970FSL	1979FEL
RATHERFORD UNIT	13W42	430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	41S	23E	2139FNL	0585FEL
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	41S	23E	0653FSL	0659FEL
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14	41S	23E	0754FNL	1604FEL
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S	23E	1976FNL	653FEL
RATHERFORD UNIT	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24	41S	24E	0560FNL	1830FEL
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL
RATHERFORD UNIT	17W12	430371572601S1	Active	14-20-603-353	SW	NW	17	41S	24E	1980FNL	510FWL
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	SW	SW	17	41S	24E	0610FSL	0510FWL
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	41S	24E	0510FNL	1830FWL
RATHERFORD UNIT	17W23	430371572801S1	Active	14-20-603-353	NE	SW	17	41S	24E	1880FSL	1980FWL
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17	41S	24E	0560FSL	1880FEL
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	SW	NW	18	41S	24E	1980FNL	560FWL
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	41S	24E	2385FSL	2040FWL
RATHERFORD UNIT	18W32	430371573601S1	Active	14-20-603-353	SW	NE	18	41S	24E	2140FNL	1830FEL
RATHERFORD UNIT	18W34	430371573701S1	Active	14-20-603-353	SW	SE	18	41S	24E	780FSL	1860FEL
RATHERFORD UNIT	18W41	430371573800S1	TA'd	14-20-603-353	NE	NE	18	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	19-12	430371573901S1	Active	14-20-603-353	SW	NW	19	41S	24E	1980FNL	0600FWL
RATHERFORD UNIT	19-32	430371574301S1	Active	14-20-603-353	SW	NE	19	41S	24E	2717FNL	2802FEL
RATHERFORD UNIT	19-34	430371574401S1	Active	14-20-603-353	SW	SE	19	41S	24E	0660FSL	1980FEL
RATHERFORD UNIT	19W21	430371574100S1	Shut-in	14-20-603-353	NE	NW	19	41S	24E	0660FNL	1860FWL
RATHERFORD UNIT	19W23	430371574200S1	Shut-in	14-20-603-353	NE	SW	19	41S	24E	2080FSL	1860FWL
RATHERFORD UNIT	19W43	430371642000S1	Shut-in	14-20-603-353	NE	SE	19	41S	24E	1980FSL	0760FEL
RATHERFORD UNIT	20-12	430371574601S1	Active	14-20-603-353	SW	NW	20	41S	24E	0709FNL	0748FEL
RATHERFORD UNIT	20-14	430371574701S1	Active	14-20-603-353	SW	SW	20	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	20-32	430371574901S1	Active	14-20-603-353	SW	NE	20	41S	24E	0037FNL	0035FWL
RATHERFORD UNIT	20-34	430371575001S1	Active	14-20-603-353	SW	SE	20	41S	24E	0774FNL	0617FWL
RATHERFORD UNIT	20-67	430373159000S1	Active	14-20-603-353	NE	SW	20	41S	24E	2629FSL	1412FWL
RATHERFORD UNIT	20W21	430371642300S1	Active	14-20-603-353	NE	NW	20	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	20W23	430371574800S1	Active	14-20-603-353	NW	SW	20	41S	24E	2080FSL	2120FWL
RATHERFORD UNIT	20W41	430371575100S1	Active	14-20-603-353	NE	NE	20	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	41S	24E	2070FSL	0810FEL
RATHERFORD UNIT	16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	41S	24E	1880FNL	0660FWL

**GREATER ANETH FIELD UIC WELL LIST**  
**Ratherford lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	SW	SW	16	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	SW	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	SW	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT	21W21	430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	41S	24E	0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7	41S	24E	0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	41S	24E	0745FSL	0575FWL
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	41S	24E	1980FSL	0550FEL
RATHERFORD UNIT	29-12	430371533701S1	Active	14-20-603-407	SW	NW	29	41S	24E	2870FNL	1422FWL
RATHERFORD UNIT	29-32	430371533901S1	Active	14-20-603-407	SW	NE	29	41S	24E	0694FNL	0685FWL
RATHERFORD UNIT	29W21	430371643200S1	Active	14-20-603-407	NE	NW	29	41S	24E	0667FNL	2122FWL
RATHERFORD UNIT	29W41	430371643300S1	Active	14-20-603-407	NE	NE	29	41S	24E	0557FNL	0591FEL
RATHERFORD UNIT	29W43	430371643400S1	Shut-in	14-20-603-407	NE	SE	29	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Shut-in	14-20-603-407	NE	NE	30	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	SW	SE	28	41S	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL