

Spill Report sent out

Placed in the NID File

Location map pinned

Approval or Disapproval Letter

Data Completed, P. & A. of Operations suspended

3-18-59

Bin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Oil-Oil Ratio Test

Well Log Filed

FILE NOTATIONS

Entered in NID File

Entered on S R Sheet

Location Map Finned

Card Indexed

IWR for State or Fee Land

Checked by Chief \_\_\_\_\_

Copy NID to Field Office \_\_\_\_\_

Approval Letter

Disapproval Letter \_\_\_\_\_

COMPLETION DATA:

Date Well Completed 3-18-59

OV  WW \_\_\_\_\_ TA \_\_\_\_\_

GV \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_

Location Inspected \_\_\_\_\_

Bond released \_\_\_\_\_

State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log 5-15-59

Electric Logs (No. ) 2

E \_\_\_\_\_ I \_\_\_\_\_ E-I 2 GR \_\_\_\_\_ GR-N 2 Micro 2

Lat. \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

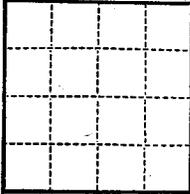
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 11-20-603-995



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Cortez, Colorado January 30, 1952, 19\_\_

Navajo "A"

Well No. 13 is located 1890 ft. from N line and 660 ft. from W line of sec. 16

SE. 1/4 Sec. 16  
(1/4 Sec. and Sec. No.)

T1S  
(Twp.)

24E  
(Range)

S11  
(Meridian)

White Mesa  
(Field)

San Juan  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the ungraded ground above sea level is 4667 ft.

DETAILS OF WORK

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

Drill 17-1/2" hole to approximately 160', set 13-3/8" conductor pipe and cement to surface. Drill 11" hole to approximately 1600', set 8-5/8" casing and cement to surface. Drill 7-7/8" hole to total depth of approximately 5700' run 5-1/2" casing and cement with approximately 250 sx. cement. Complete in Desert Creek 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 Box 548

Cortez, Colorado

By [Signature]

Title G. M. Boles  
Dist. Supt.

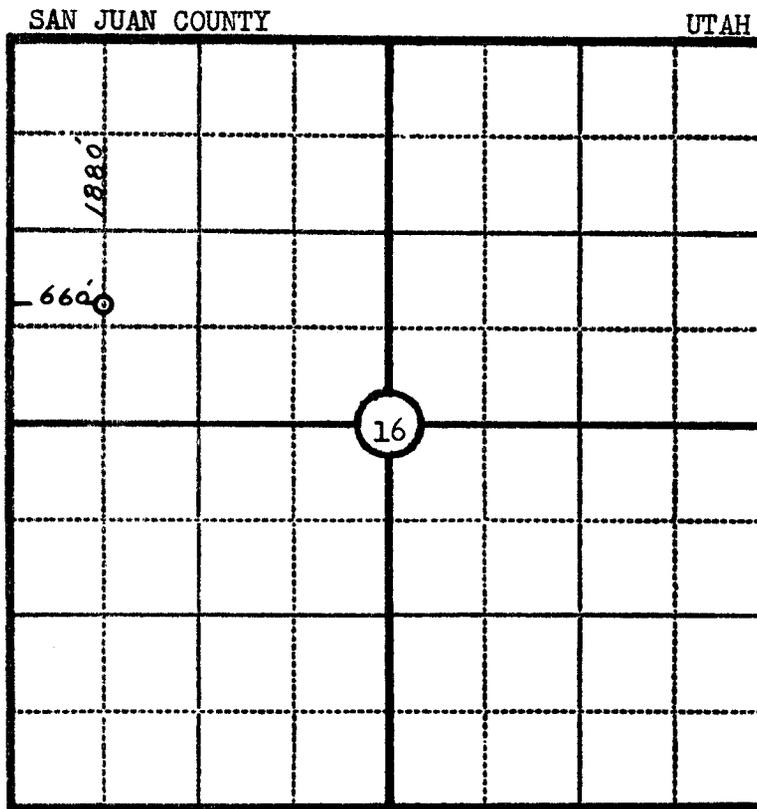
Company..... PHILLIPS PETROLEUM COMPANY

Lease..... NAVAJO "A"..... Well No. 13

Sec..... 16....., T. 41 SOUTH....., R. 24 EAST

Location..... 1880' F/NL & 660' F/WL

Elevation..... ~~467~~ Ungraded Ground



Scale—4 inches equal 1 mile.

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

Seal:

*James P. Leese*

Registered Land Surveyor.

James P. Leese

Utah Reg. No. 1472

Surveyed..... 26 JANUARY....., 19.59

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

# PHILLIPS PETROLEUM COMPANY

P. O. Box 548  
Cortez, Colorado

March 11, 1959

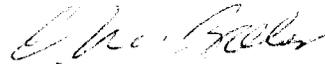
Oil & Gas Conservation Commission  
State of Utah  
Room 310 Newhouse Building  
Salt Lake City 11, Utah

Attention: Mr. Cleon B. Feight

Gentlemen:

In reply to your letter of March 10, 1959 requesting "Notice of Intention to Drill" forms on our Navajo "A" No. 13 located SW, NW, Section 16-41S-24E and Navajo "A" No. 5, located NE, NE Section 22-41S-24E. We are attaching copy of form filed January 30, 1959 on Navajo "A" No. 13. However, application to drill Navajo "A" No. 5 filed December 10, 1957 has never been drilled and we do not plan to drill this well at the present time. At such time our plans are changed, another application will be filed for your approval.

Very truly yours,  
Phillips Petroleum Company



C. M. Boles  
District Superintendent

HGC:bh  
Attach.

March 13, 1959

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

Attention: C. M. Boles, District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo A-13, which is to be located 1880 feet from the north line and 660 feet from the west line of Section 16, Township 41 South, Range 24 East, S1EM, San Juan County, Utah.

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

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE SECRETARY

CBF:co

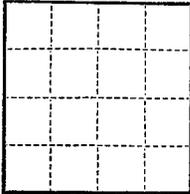
cc: Phil McGrath, Dist. Eng.  
USGS, Farmington,  
New Mexico

7

Form 9-331 b  
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribe

Lease No. 14-88-603-333

SUNDRY NOTICES AND REPORTS ON WELLS

*7/14*  
*5/5*

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)

Navajo #A Cortez, Colorado April 30, 1959

Well No. 13 is located 1000 ft. from N line and 660 ft. from W line of sec. 16  
SW, NW Sec. 16 41S 24E 51M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
White Mesa San Juan Utah  
(Field) ungraded ground (County or Subdivision) (State or Territory)

The elevation of the ~~derick~~ derick floor above sea level is 4667 ft.

DETAILS OF WORK

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

Spudded 2:30 P.M. 2-18-59. Drilled 17-1/4" hole to 175'. Set and cemented 4 jts. 13-3/8" OD arched SW 1/2 casing with Howes Guide Shoe at 175' with 175 sacks regular cement, 1 calcium chloride. Pumped plug to 145' at 12:45 A.M. 2/19/59. Cement circulated. W.D.C. 24 hours.

Drilled 11" hole to 1456'. Set & cemented 48 jts. 8-5/8" OD 2 1/2 J-35 casing at 1457.71' with 330 sacks cement, 124 oz. Microl "2", 620 calcium chloride, 165 floccs, 660 buff plug, followed with 125 sacks cement. Pumped plug to 1424' at 6:50 P.M. 2-20-59. Filled annulus with 125 sacks cement, W.D.C. 24 hours. Tested casing with 750# for 30 minutes - tested okay.

(Continued on reverse)

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

Company Phillips Petroleum Company

Address P. O. Drawer 1190

Cortez, Colorado

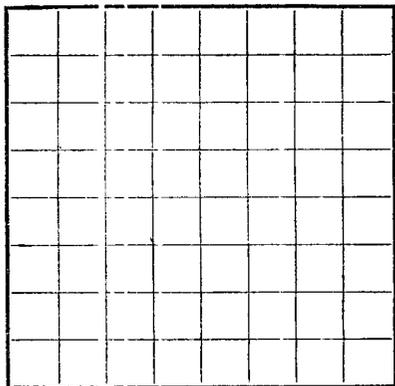
By G. M. Roles

Title District Superintendent

(Continued)

Drilled 7-7/8" hole to 5677' at 5:15 A.M. 3-9-59. Ran Schlumberger Induction ES & Micro Caliper log and Gamma Ray Neutron log to 5672'. Set & cemented 174 jts. 5-1/2" OD 144 J-55 kg2 casing with Foster Fleet Equipment at 5677.60 with 132 sacks neat cement, 100 sacks Diacel "D", 494# calcium chloride. Pumped plug to 5667' at 5:50 A.M. 3-10-59. W.D.C. 24 hours. Tested casing with 1000# 30 minutes - okay.

U. S. LAND OFFICE Navajo  
SERIAL NUMBER 14-20-603-355  
LEASE OR PERMIT TO PROSPECT Tribal



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Phillips Petroleum Address Boxer 1150, Cortez, Colorado  
Lessor or Tract Navajo "A" Field White Mesa State Utah  
Well No. 13 Sec. 16 T. 41S R. 24E Meridian S1N County San Juan  
Location 1890 ft. N of N Line and 660 ft. E of W Line of Sec. 16 Elevation 4676  
(Denish floor relative to sea level)

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

Signed E. M. [Signature]

Date May 12, 1959 Title District Superintendent

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

Commenced drilling February 18, 1959 Finished drilling March 9, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

IMPORTANT WATER SANDS

In all sands above 1,500' and from 2680' to 2770'  
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	47.9	8	Phillips	100	Reactor		5499	5500	Oil Prod
8-5/8	21.6	8	Phillips	375	Reactor		5500	5502	"
5-1/2	16	8	Phillips	375	Reactor		5502	5504	"
							5554	5566	"
							5585	5590	"

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	175	175	Circ		
8-5/8	1458	800 cu ft	Circ (filled annulus w/ 125 ex. cement 2% calcium chloride)		
5-1/2	5698	550 cu ft	S.J. well service		

PLUGS AND ADAPTERS

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

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

FOLD MARK

FOLD MA

5-1/2 5698 550 on ft B.J. Well Service chloride)

**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 5667 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

Put to producing \_\_\_\_\_, 19\_\_\_\_  
 The production for the first 24 hours was 832 barrels of fluid of which March 18 59 % was oil; 59 % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. 100  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

**2104 EMPLOYEES**

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

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
2330	2375	45	Shinarump
2375	2550	175	Moenkopi
2550	2600	50	Gutler - Hoskinini Equivalent
2600	2770	170	Gutler - De Gally member
2770	4522	1752	Gutler - Organ Rock Member
4522	5670	1148	Honaker Trail
5670	5693	23	Paradox Line (Desert Creek)
5693	5667	XXXX 26	PBTD
FROM—	TO—	TOTAL FEET	FORMATION

(OVER)  
**FORMATION RECORD—CONTINUED**

MAY 12 1959



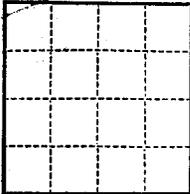
(SUBMIT IN TRIPPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Federal

Lease No. 14-88-603-255



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Cortez, Colorado      June 19, 1959

Navajo "A"

Well No. 13 is located 1000 ft. from N line and 660 ft. from W line of sec. 16

SW, NW Sec. 16      41S      24E      31M  
(1/4 Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)

White Mesa      San Juan      Utah  
(Field)      (County or Subdivision)      (State or Territory)

ungraded ground

The elevation of the ~~land surface~~ above sea level is 4667 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)

Picked up tubing and tagged bottom at 5667'. Ran Schurberger Gamma Ray Gallar Locator Log to 5667'. Perforated Desert Creek with 4 jet shifts per foot from 5499-5510, 5818-22, 5930-42, 5944-66, 5985-90 EL & EL measure. Ran 177 lbs. 2-7/8" OD BHE tubing with Baker BBJ packer. Set tubing at 5447.33'. Packer at 5367'. Released and moved out rotary. Downall displaced water with 92 barrels of oil in 5-1/2" annulus. Spotted acid on formation. Set Baker BBJ packer at 5387', acidized casing perforations with 7000 gallons regular 15% acid, 250 gallons Jol X-830, 2500 gallons acid, 250 gallons Jol X-830, 2500 gallons acid. Treating rate 7.4 BPM. Maximum pressure 4500#, minimum pressure 2600#. Flush rate 6.3 BPM, 3000# maximum, 2600# minimum pressure, 500# increase 1st plugging agent, 400# increase 2nd plugging agent.

Placed on production and flowed 632 BO, 25 barrels acid water in 24 hours through 3/4" choke in 24 hours, 377 MCF, OGR 454, FIP 210#.

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

Company Phillips Petroleum Company

Address P. O. Box 1150

Cortez, Colorado

By G. H. Hales  
Title District Superintendent

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-603-355**

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

7. UNIT AGREEMENT NAME  
**SN-I-4192**

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

9. WELL NO.  
**16-12**

10. FIELD AND POOL, OR WILDCAT  
**Greater Aneth**

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
**16-415-BLE S.L.M.**

12. COUNTY OF **MOHAVE** 13. STATE  
**San Juan Utah**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL  GAS WELL  OTHER

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
**1880' FNL; 660' FWL, Sec. 16**

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4667 ungraded ground**

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

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

(Other) **Squeeze cement & acidize**

(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 Zones I and II (5499-5590 OA), reperforate Zone I (5499-5510, 5518-22, 5533-37, 5559-65), acidize Zone I with 8000 gallons 15% in 4 stages, snab test. Set bridge plug above Zone I, perforate Lower Ismay (5447-69 and 5472-76), acidize Lower Ismay with 7500 gallons 15% in 3 stages, snab test, pull bridge plug and return to commingled Lower Ismay and Zone I production.**

**Present Production: 15 BOPD, 855 BWPD, 15 MCFGPD**

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

SIGNED *C. M. Boles* TITLE **District Superintendent** DATE **4-29-70**

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY: **Orig. & 2 cc: USGS, Farmington, NM  
2 cc: Utah O&CC, Salt Lake City  
1 cc: Denver  
1 cc: File**

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**14-20-605-355**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**Navajo**

7. UNIT AGREEMENT NAME

**SW-5-1192**

8. FARM OR LEASE NAME

**Rutherford Unit**

9. WELL NO.

**16-12**

10. FIELD AND POOL, OR WILDCAT

**Greater Aneth**

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

**16-418-043 S.L.M.**

12. COUNTY OR \_\_\_\_\_ 13. STATE

**San Juan Utah**

1. OIL WELL  GAS WELL  OTHER

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**1080' FWL; 660' FWL, Sec. 16**

14. PERMIT NO.

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

**4667 ungraded ground**

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) **Squeeze cement & acidize**

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

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

On May 17, 1970 set bridge plug at 5575', squeezed all perforations, drilled to 5575' PSTD. Perforated Zone I 5499-5510, 5518-22, 5533-37 and 5559-65, acidized with 600 gallons 28% and 8000 gallons 15% acid in 4 equal stages separated by 300 gallons oil-mothball plug. Stabbed and flowed well, perforated Ismay 5447-69 and 5472-76. Set retrievable bridge plug and packer, acidized Ismay with 250 gallons 28% Spearhead acid followed by 7500 gallons 15% in 3 stages separated by 500 gallons oil-mothball plug. Stabbed and flowed well, pulled retrievable bridge plug and packer, ran pumping equipment, started pumping 5-24-70, above Desert Creek Zone I and Ismay perforations open.

Previous Production (Greater Aneth - Paradox - Desert Creek Zone I): 15 BOPD, 12 MCFOPD, 875 EOPD

Present Production (Greater Aneth-Paradox-Desert Creek Zone I and Ismay):  
**58 BOPD, 97 MCFOPD, 15 EOPD**

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

SIGNED C. M. Bolan

TITLE **District Superintendent**

DATE **8-20-70**

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

- Orig. & 2 cc: UGGS, Farmington, NM
- 2 cc: Utah OGGC, Salt Lake City
- 1 cc: Denver
- 1 cc: Superior Oil Co., Cortez, Colo.
- 1 cc: File

\*See Instructions on Reverse Side

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: *12-1-83 Operator name change from Phillips Petroleum to Phillips Oil Co.*

*W.O.R. - 4-4-59*

*Well Log - 5-15-59 Electric Log S-3 (Name Bula)*

*82670 Subsequent to survey, cement & acidize  
5-29-86 approved for water log*

DATE FILED **3-13-59** 14-20-603-

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN **355**

DRILLING APPROVED: **3-13-59**

SPUDDED IN: *2-11-59*

COMPLETED: *3-18-59*

INITIAL PRODUCTION: *832 BOPD 3/4" ch.*

GRAVITY A. P. I.

GOR: *454:1*

PRODUCING ZONES: *5499 - 5590'*

**050708**

TOTAL DEPTH: *5667'*

WELL ELEVATION: *4667' Gr 4676' DF*

DATE ABANDONED:

FIELD OR DISTRICT: *Aneth*

COUNTY: **San Juan**

*UK Conversion*

WELL NO. **NAVAJO A - 13** *(Ratherford 16-12)*

*API 43-037-15720*

LOCATION: **1880** FT. FROM (N) ~~1/4~~ LINE, **660** FT. FROM ~~1/2~~ (W) LINE. **SW NW<sup>5</sup>** QUARTER - QUARTER SEC. **16**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<i>19</i> 41 S	24 E	16	<b>PHILLIPS <i>Oil</i> PETROLEUM CO.</b>				

GEOLOGIC TOPS:

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 2550'	DEVONIAN
TERTIARY	Middle	DeChelly 2600'	Upper
Pliocene	Lower	White Rim	Middle
Humboldt	Emery	Organ Rock 2770'	Lower
Salt Lake	Blue Gate	Cedar Mesa	Ouray
Miocene	Ferron	Halgaite 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	Lynch
Wasatch	Curtis	Upper	Bowman
Colton	Entrade	Lower	Tapeats
Flagstaff	Moab tongue	Molas	Ophir
Almy	Carmel	Paradox Lime 5670' T.O.L.C.	Tintic
Paleocene	Glen Canyon Gr.	A	PRE-CAMBRIAN
Current Creek	Navajo	B	Monaker T.S. 11 4522'
North Horn	Kayento	C	
CRETACEOUS	Wingate	Manning Canyon	
Montana	TRIASSIC	Mississippian	
Mesaverde	Chinle	Chainman shale	
Price River	Shinarump 2330'	Humbug	
Blackhawk	Moenkapi 2	Joana limestone	

# 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>
✓ 14W43 43-037-16410	SI	SI		SI
✓ 15W21 43-037-16411	0	71		2202
✓ 15W23 43-037-16412	2400	71		2202
✓ 15W43 43-037-16413	2125	27		836
✓ 0-19-87 ✓ 16W12 43-037-15720	2350	255		7903 ✓
✓ 16W14 43-037-15721	2325	19		588
✓ 16W21 43-037-16414	275	313		9699
✓ 16W23 43-037-15722	1200	168		3190
✓ 16W43 43-037-16415	2150	144		4463
✓ 17W12 43-037-15726	2080	83		2574
✓ 17W14 43-037-15727	1930	424		11,444
✓ 17W21 43-037-16416	2120	0		3
✓ 17W23 43-037-15728	2140	60		1858
✓ 17W32 43-037-15729	0	211		1055
✓ 17W34 43-037-15730	750	509		6616
✓ 17W41 43-037-15731	2150	58		1796
✓ 17W43 43-037-16417	2400	68		2105
✓ 18W12 43-037-31153	2125	221		6851
✓ 18W14 43-037-15735	2150	16		495
✓ 18W21 43-037-16418	2050	38		1177
✓ 18W23 43-037-30044	2100	102		3162
✓ 18W32 43-037-15736	2100	58		1796

# 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>
✓ 14W4343-037-16410	SI	SI		SI
✓ 15W2143-037-16411	0	71		2202
✓ 15W2343-037-16412	2400	71		2202
✓ 15W4343-037-16413	2125	27		836
2-A-87 ✓ 16W12-43-037-15720	2350	255		7903
✓ 16W1443-037-15721	2325	19		588
✓ 16W2143-037-16414	275	313		9699
✓ 16W2343-037-15722	1200	168		3190
✓ 16W4343-037-16415	2150	144		4463
✓ 17W1243-037-15726	2080	83		2574
✓ 17W1443-037-15727	1930	424		11,444
✓ 17W2143-037-16416	2120	0		3
✓ 17W2343-037-15728	2140	60		1858
✓ 17W3243-037-15729	0	211		1055
✓ 17W3443-037-15730	750	509		6616
✓ 17W4143-037-15731	2150	58		1796
✓ 17W4343-037-16417	2400	68		2105
✓ 18W1243-037-31153	2125	221		6851
✓ 18W1443-037-15735	2150	16		495
✓ 18W2143-037-16418	2050	38		1177
✓ 18W2343-037-30244	2100	102		3162
✓ 18W3243-037-15736	2100	58		1796

**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, ALLOTTED 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 DF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT N/A
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND ACRES OR AREA See Attached
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.		12. COUNTY OR PARISH San Juan
		13. STATE Utah

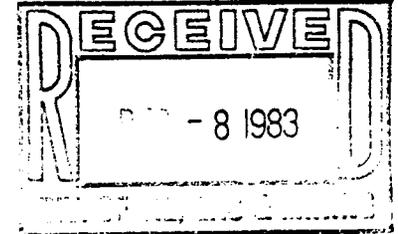
NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

<table border="0"> <tr> <td>TEST WATER SHUT-OFF</td><td><input type="checkbox"/></td> <td>PULL OR ALTER CASING</td><td><input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT</td><td><input type="checkbox"/></td> <td>MULTIPLE COMPLETE</td><td><input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE</td><td><input type="checkbox"/></td> <td>ABANDON*</td><td><input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL</td><td><input type="checkbox"/></td> <td>CHANGE PLANS</td><td><input type="checkbox"/></td> </tr> <tr> <td>(Other)</td><td></td> <td></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)				<table border="0"> <tr> <td>WATER SHUT-OFF</td><td><input type="checkbox"/></td> <td>REPAIRING WELL</td><td><input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT</td><td><input type="checkbox"/></td> <td>ALTERING CASING</td><td><input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING</td><td><input type="checkbox"/></td> <td>ABANDONMENT*</td><td><input type="checkbox"/></td> </tr> <tr> <td>(Other)</td><td></td> <td></td><td></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)			
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>																																		
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SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>																																		
(Other)																																					

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

*100 wells 16-12*



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

WELL NO.WELL LOCATIONAPI NO.STATUS

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  
over 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.)

**RECEIVED**

1. <b>WELL TYPE</b> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> <b>Flowline</b>		7. <b>WELL ACCOUNTING NAME</b> SW-I-4192	
2. <b>NAME OF OPERATOR</b> Phillips Oil Company		8. <b>NAME OF LEASE NAME</b> Ratherford Unit 6-12	
3. <b>ADDRESS OF OPERATOR</b> P. O. Box 2920 Casper, WY 82602		9. <b>WELL NO.</b>	
4. <b>LOCATION OF WELL</b> (Report location clearly and in accordance with any BLM regulations. See also space 17 below.) At surface SW SW Sec. 16 & SE SE Sec. 17 of T41S-R24E San Juan Co., Utah		10. <b>FIELD AND FOOT, OR WILDCAT</b> Greater Aneth	
14. <b>PERMIT NO.</b>		11. <b>SEC. T, R, E, OR B.L.E. AND SURVEY OR AREA</b> Sec. 16 & 17 T41S-R24E	
15. <b>ELEVATIONS</b> (Show whether of, to, or, etc.) 4760' MSL		12. <b>COUNTY OR PARISH</b> San Juan Co.	13. <b>STATE</b> 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"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR 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) <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 data, 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

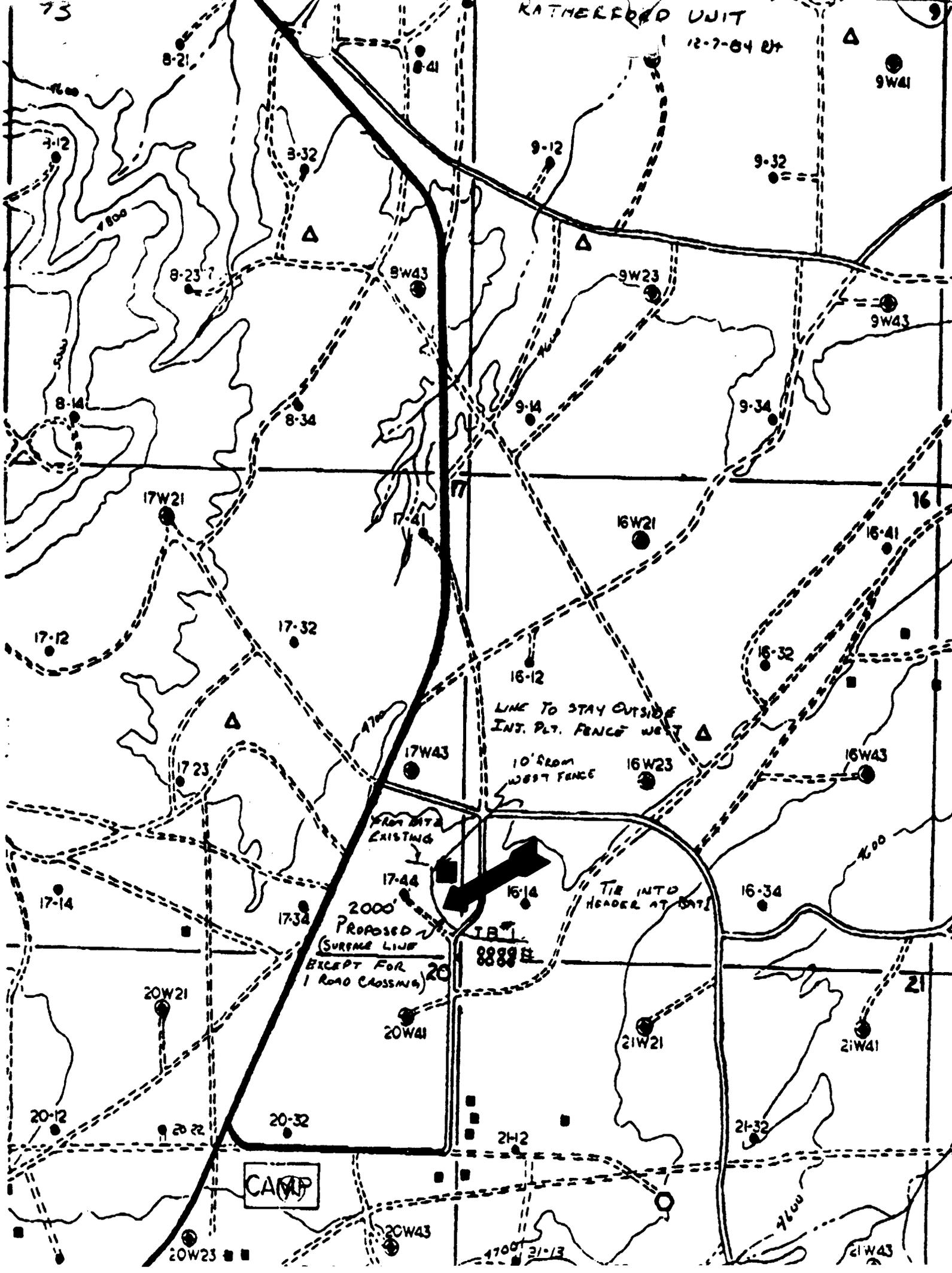
SIGNED <u>A. E. Stuart</u>	TITLE <u>Area Manager</u>	DATE <u>February 4, 1985</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

\*See Instructions on Reverse Side



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

KATHERFORD UNIT  
12-7-64 BT



STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
ROOM 4241 STATE OFFICE BUILDING  
SALT LAKE CITY, UTAH 84114  
(801) 533-5771  
(RULE 1-5 & RULE 1-4)

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

IN THE MATTER OF THE APPLICATION OF  
Phillips Petroleum Company  
ADDRESS P. O. Box 2920  
Casper, WY ZIP 82602  
INDIVIDUAL  PARTNERSHIP  CORPORATION   
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
INJECT FLUID INTO THE 16W12 WELL  
SEC. 16 TWP. 41S RANGE 24 E  
San Juan COUNTY, UTAH

CAUSE NO. C-3 (B)

ENHANCED RECOVERY INJ. WELL	<input checked="" type="checkbox"/>
DISPOSAL WELL	<input type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE 1-4)	<input type="checkbox"/>

APPLICATION

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

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

Lease Name <u>Ratherford Unit</u>	Well No. <u>16W12</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>16W12</u> Sec. <u>16</u> Twp. <u>41S</u> Rge. <u>24</u> E			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate 1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil & Gas
Location of Injection Source(s) <u>Desert Creek Paradox I &amp; II/ San Juan River</u>	Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5499) San Juan River (Surface)</u>		
Geologic Name of Injection Zone <u>Desert Creek Zone I</u>	Depth of Injection Interval <u>5499 to 5365</u>		
a. Top of the Perforated Interval: <u>5499</u>	b. Base of Fresh Water: <u>1550</u>	c. Intervening Thickness (a minus b) <u>3949</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> See previously submitted material, attachment #4			
Lithology of Intervening Zones <u>See previously submitted material, attachment #1</u>			
Injection Rates and Pressures Maximum <u>500</u> B/D <u>Not to exceed approximately 3000</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>Navajo Tribe, Minerals Dept., P. O. Box 146, Window Rock, AZ 86515</u> <u>Mobil Oil Corp. Attn; Joint Interest Advisor P. O. Box 5444 Denver, CO 80217</u> <u>Texaco Inc., P. O. Box 2100, Denver, CO 80201</u>			

State of Wyoming

Phillips Petroleum Company

County of Natrona

Applicant

D. C. Gill

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

Subscribed and sworn to before me this 4th day of April, 19 86

SEAL

My Commission Expires Nov. 3, 1986

My commission expires Nov. 3, 1986

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

(OVER)

INSTRUCTIONS

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

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface 27.1 #	13 3/8	175'	175 SX	Surface	Returns
Intermediate 24 #	8 5/8	1457.71'	705 SX	Surface	returns
Production 14 #	5 1/2	526.98'	232 SX	4212	Calculated
Tubing	2-3/8 or 2-7/8		Name - Type - Depth of Tubing Packer Baker type AB Tension Pkr or Similar (5399')		
PB Total Depth 5575'	Geologic Name - Inj. Zone Desert Creek Zone 1	Depth - Top of Inj. Interval 5499'	Depth - Base of Inj. Interval 5565'		

LOCATION: SWNW Sec. 16 - T41S - R24 E  
FIELD: GREATER ANGELO San Juan Co, Ut.  
RESERVOIR: Desert Creek Zone I

1 COMPLETION: injector  
PRESENT STATUS: Conversion

RKB 4680'  
GL 4667'



SURFACE CASING: 1 3/8"  
27.1# ARMCO

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

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

Well #: 16W12

1458'

PERFORATIONS: \_\_\_\_\_  
5499 - 5510  
5518 - 22  
5533 - 37  
5559 - 65  
\_\_\_\_\_  
\_\_\_\_\_

PACKER: Baker Model AB  
Tension Type or Similar  
set at approx.

PBTD: 5575  
OTD: 5698

7698'

Phillips Petroleum Company

Received 4/9/86 mp  
 FORM NO. DOGM-UIC-1  
 (Revised 1982)

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

IN THE MATTER OF THE APPLICATION OF

Phillips Petroleum Company  
 ADDRESS P. O. Box 2920  
Casper, WY ZIP 82602  
 INDIVIDUAL        PARTNERSHIP         CORPORATION         
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
 INJECT FLUID INTO THE 16W12 WELL  
 SEC. 16 TWP. 41S RANGE 24 E  
San Juan COUNTY, UTAH

CAUSE NO. C-3 (B)

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

APPLICATION

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

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

Lease Name <u>Ratherford Unit</u>	Well No. <u>16W12</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>16W12</u> Sec. <u>16</u> Twp. <u>41S</u> Rge. <u>24</u> E			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date <u>      </u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate 1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil & Gas
Location of Injection Source(s) <u>Desert Creek Paradox I &amp; II/ San Juan River</u>	Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5499) San Juan River (Surface)</u>		
Geologic Name of Injection Zone <u>Desert Creek Zone I</u>	Depth of Injection Interval <u>5499 to 5365</u>		
a. Top of the Perforated Interval: <u>5499</u>	b. Base of Fresh Water: <u>1550</u>	c. Intervening Thickness (a minus b) <u>3949</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <u>See previously submitted material, attachment #4</u> NO <u>      </u>			
Lithology of Intervening Zones <u>See previously submitted material, attachment #1</u>			
Injection Rates and Pressures Maximum <u>500</u> B/D <u>Not to exceed approximately 3000</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			
<u>Navajo Tribe, Minerals Dept., P. O. Box 146, Window Rock, AZ 86515</u>			
<u>Mobil Oil Corp. Attn; Joint Interest Advisor P. O. Box 5444 Denver, CO 80217</u>			
<u>Texaco Inc., P. O. Box 2100, Denver, CO 80201</u>			

State of Wyoming  
 County of Natrona

Phillips Petroleum Company  
 Applicant

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

DONALD L. HUDSON, Notary Public  
 County of Natrona  
 My Commission Expires Nov. 3, 1986  
 SEAL  
 My commission expires Nov. 3, 1986

Subscribed and sworn to before me this 4th day of April, 19 86  
Donald L. Hudson  
 Notary Public in and for Natrona Co., Wyoming

(OVER)

**INSTRUCTIONS**

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

**CASING AND TUBING DATA**

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface 27.1 #	13 3/8	175'	175 SX	Surface	Returns
Intermediate 24 #	8 5/8	1457.71'	705 SX	Surface	returns
Production 14 #	5 1/2	526 98'	232 SX	4212	Calculated
Tubing	2-3/8 or 2-7/8	Name - Type - Depth of Tubing Packer Baker type AB Tension Pkr or Similar (5399')			
PG Total Depth 5575'	Geologic Name - Inj. Zone Desert Creek Zone 1	Depth - Top of Inj. Interval 5499'	Depth - Base of Inj. Interval 5265'		

LOCATION: SW NW Sec 16 - 145-12  
FIELD: GREATER ANTH San Juan Co. Ut.  
RESERVOIR: Desert Creek Zone I

WI COMPLETION: Injector  
PRESENT STATUS: Conversion

RKB 4680'  
GL 4667'

175'

SURFACE CASING: 1 33/8"  
27.1# ARMCO

Well #: 164112

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

1458'

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

PERFORATIONS: \_\_\_\_\_  
5499-5510 \_\_\_\_\_  
5518-22 \_\_\_\_\_  
5533-37 \_\_\_\_\_  
5559-65 \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

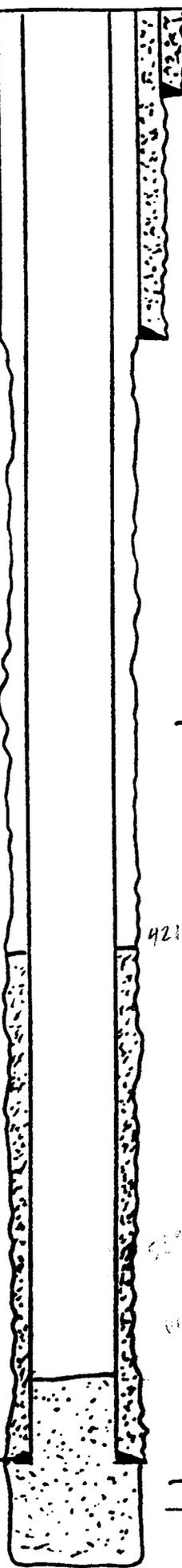
PACKER: Baker Model AB  
Tension Type or Similar  
set at approx. 5399

4212

PBTD: 5575  
OTD: 5698

5698'

Phillips Petroleum Company





**PHILLIPS PETROLEUM COMPANY**

CASPER, WYOMING 82602  
BOX 2920

EXPLORATION AND PRODUCTION GROUP

April 2, 1986

**RECEIVED**  
APR 09 1986

DIVISION OF  
OIL, GAS & MINING

State of Utah  
Oil, Gas and Mining  
Division of Natural Resources  
355 W. North Temple, 3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: Gilbert Hunt

RE: UIC Permit Applications  
Ratherford Unit  
San Juan County, Utah

Dear Mr. Hunt:

Attached are nine applications for the conversion of oil wells to injection at the Ratherford Unit. The required application attachments are the same as those submitted in February and have not been included in this package.

The well conversions applied for are:

13W31	16W14	18W14
14W42	17W14	24W31
16W12	17W41	24W42

Please contact R. C. Taylor of this office with any questions at (307) 237-3791.

Sincerely,

PHILLIPS PETROLEUM COMPANY

  
D. C. Gill  
Area Manager

RCT/fb (39)  
Casper RC

UIC CHECKLIST FOR APPLICATION APPROVAL

OPERATOR PHILLIPS PETROLEUM WELL NUMBER Ratherford 16-12  
SEC. 16 T. 41S R. 24E COUNTY SAN JUAN  
API # 43-037-15720

NEW WELL \_\_\_\_\_ DISPOSAL WELL \_\_\_\_\_ ENHANCED RECOVERY WELL X

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

Comments: # of wells w/in 1/2 mile radius = 9 1 PA, 6 Prod, 2 Inj.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reveiwed by Dorothy Swindel 4/10/86



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

April 23, 1986

San Juan Record  
Legal Advertising  
P.O. Box 879  
Monticello, Utah 84535

Gentlemen:

RE: Cause No. UIC-082

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 7th day of May, 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. 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

April 23, 1986

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

Gentlemen:

RE: Cause No. UIC-082

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 7th day of May, 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

UIC-082

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

Navajo Tribe  
Minerals Department  
PO Box 146  
Window Rock, Arizona 86515

Mobil Oil Corporation  
Attn: Joint Interest Advisor  
PO Box 5444  
Denver, Colorado 80217

Texaco Incorporated  
PO Box 2100  
Denver, Colorado 80201

Phillips Petroleum Company  
PO Box 2920  
Casper, Wyoming 82602

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

San Juan Record  
Legal Advertising  
PO Box 879  
Monticello, Utah 84535

  
\_\_\_\_\_  
April 23, 1986

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-082  
OF PHILLIPS PETROLEUM COMPANY, :  
FOR ADMINISTRATIVE APPROVAL TO :  
INJECT FLUID INTO WELLS TO BE :  
CONVERTED TO ENHANCED RECOVERY :  
INJECTION WELLS LOCATED IN SEC- :  
TIONS 13, 14 AND 24, TOWNSHIP 41 :  
SOUTH, RANGE 23 EAST; AND SECTIONS :  
16, 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, P.O. 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

#13-31, Sec. 13, T41S, R23E	#16-14, Sec. 16, T41S, R24E
#14-42, Sec. 14, T41S, R23E	#17-14, Sec. 17, T41S, R24E
#24-42, Sec. 24, T41S, R23E	#17-41, Sec. 17, T41S, R24E
#24-31, Sec. 24, T41S, R23E	#18-14, Sec. 18, T41S, R24E
#16-12, Sec. 16, T41S, R24E	

INJECTION INTERVAL: Desert Creek Formation 5371' to 5640'  
MAXIMUM ESTIMATED SURFACE PRESSURE: 3000 psig  
MAXIMUM ESTIMATED WATER INJECTION RATE: 500 BWPD

Approval of this Application will be granted unless objections are  
filed with the Division of Oil, Gas and Mining within fifteen days  
after publication of this Notice. Objections, if any, 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 21st day of April, 1986.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

  
MARJORIE L. ANDERSON  
Administrative Assistant

# Affidavit of Publication

ADM-358

STATE OF UTAH,  
County of Salt Lake

ss.

BEFORE THE DIVISION OF  
OIL, GAS AND MINING  
DEPARTMENT OF  
NATURAL RESOURCES  
STATE OF UTAH  
CAUSE NO. UIC-082

IN THE MATTER OF THE AP-  
PLICATION OF PHILLIPS PE-  
TROLEUM COMPANY, FOR  
ADMINISTRATIVE APPROVAL  
TO INJECT FLUID INTO  
WELLS TO BE CONVERTED  
TO ENHANCED RECOVERY  
INJECTION WELLS LOCATED  
IN SECTIONS 13, 14 AND 24,  
TOWNSHIP 41 SOUTH, RANGE  
23 EAST; AND SECTIONS 16,  
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 MAT-  
TER.

Notice is hereby given that  
Phillips Petroleum Company,  
P.O. Box 2920, Casper, Wyo-  
ming 82602, has requested ad-  
ministrative approval from the  
Division to convert the follow-  
ing listed wells to enhanced re-  
covery water injection wells:

- RATHERFOR UNIT  
San Juan County, Utah
- #13-31, Sec. 13, T41S, R23E
  - #14-42, Sec. 14, T41S, R23E
  - #24-42, Sec. 24, T41S, R23E
  - #24-31, Sec. 24, T41S, R23E
  - #16-12, Sec. 16, T41S, R24E
  - #16-14, Sec. 16, T41S, R24E
  - #17-14, Sec. 17, T41S, R24E
  - #17-41, Sec. 17, T41S, R24E
  - #18-14, Sec. 18, T41S, R24E

INJECTION INTERVAL: Desert  
Creek Formation 5371' to 5640'  
MAXIMUM ESTIMATED SUR-  
FACE PRESSURE: 3000 psig  
MAXIMUM ESTIMATED WA-  
TER INJECTION RATE: 500  
BWPD

Approval of this Application  
will be granted unless objec-  
tions are filed with the Division  
of Oil, Gas and Mining within fif-  
teen days after publication of  
this Notice. Objections, if any,  
should be mailed to the Division  
of Oil, Gas and Mining, Atten-  
tion: UIC Program Manager,  
355 West North Temple, 3 Triad  
Center, Suite 350, Salt Lake  
City, Utah 84180-1203.  
DATED this 21st day of April,  
1986.

STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING  
MARJORIE L. ANDERSON  
Administrative Assistant

M-52

Subscribed and sworn to before me this ..... 20th ..... day of

..... May ..... A.D. 1986.....

..... Cheryl Gierloff.....

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 No. UIC-082 ..... Application of Phillips.....

..... Petroleum Company.....

was published in said newspaper on .....

..... May 7, 1986.....

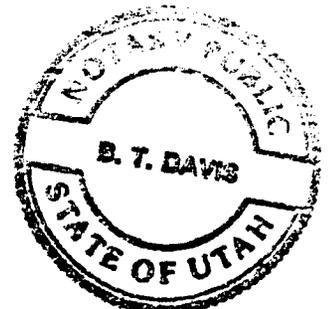
*Cheryl Gierloff*  
Legal Advertising Clerk

*B. T. Davis*

Notary Public

My Commission Expires

..... March 1, 1988.....



**AFFIDAVIT OF PUBLICATION**

**Public notice**

**BEFORE THE DIVISION OF  
OIL, GAS AND MINING  
DEPARTMENT OF  
NATURAL RESOURCES  
STATE OF 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 13, 14 AND 24, TOWNSHIP 41 SOUTH, RANGE 23 EAST, AND SECTIONS 16, 17 AND 18, TOWNSHIP 41 SOUTH, RANGE 24 EAST, S.L.M. SAN JUAN COUNTY, UTAH**

**CAUSE NO. UIC-082**

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

Notice is hereby given that Phillips Petroleum Company, P.O. 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
- #13-31, Sec. 13, T41S, R23E
- #14-42, Sec. 14, T41S, R23E
- #24-42, Sec. 24, T41S, R23E
- #24-31, Sec. 24, T41S, R23E
- #16-12, Sec. 16, T41S, R24E
- #16-14, Sec. 16, T41S, R24E
- #17-14, Sec. 17, T41S, R24E
- #17-41, Sec. 17, T41S, R24E
- #18-14, Sec. 18, T41S, R24E

**INJECTION INTERVAL: Desert Creek Formation 5371' to 5640'**  
**MAXIMUM ESTIMATED SURFACE PRESSURE: 3000 psig**  
**MAXIMUM ESTIMATED WATER INJECTION RATE: 500 BWPD**

Approval of this Application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, 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 84108-1203.

DATED this 21st day of April, 1986.

**STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING**

**/s/ MARJORIE L. ANDERSON**

Laying hens David Brian (505) 565-8622 4-23-21c

I, Joyce Martin, being duly sworn,

depose and say that I am the publisher of the San Juan Record, a weekly newspaper of general circulation published at Monticello, Utah, every Wednesday; that notice of Cause No. UIC-082

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 April 30, 1986, and the last publication having been made on \_\_\_\_\_

Signature Joyce A Martin  
Publisher

Subscribed and sworn to before me this 30th day of April, A.D. 1986.

Lloyd K Adams  
Notary Public  
Residing at Monticello, Utah,

My commission expires December 2, 1987



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

May 23, 1986

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

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-082

Administrative approval is hereby granted to convert the following wells to Class II enhanced recovery water injection wells:

RATHERFORD UNIT - San Juan County, Utah

#13-31, Sec. 13, T41S, R23E	#16-14, Sec. 16, T41S, R24E
#14-42, Sec. 14, T41S, R23E	#17-14, Sec. 17, T41S, R24E
#24-42, Sec. 24, T41S, R23E	#17-41, Sec. 17, T41S, R24E
#24-31, Sec. 24, T41S, R23E	#18-14, Sec. 18, T41S, R24E
#16-12, Sec. 16, T41S, R24E	

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 applications 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

BUREAU OF LAND MANAGEMENT

SUNDRY NOTIC 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.)

14-20-603-255  
12/1/86 mlp  
6. IF NEGLIG, ALLEGED OR CHAS. NAME  
Navajo 122442

1. WELL TYPE OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. WELL IDENTIFICATION NAME SW-I-4192	
2. NAME OF OPERATOR Phillips Petroleum Company		8. NAME OR LEASE NAME Ratherford Unit	
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		9. WELL NO. 16-12	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1880' FNL, 660' FWL (SW NW)		10. FIELD AND FOOT, OR WELDCAT Greater Aneth	
16. PERMIT NO. 43-037-15720		11. SEC., T., R., E., OR S.E. AND CORNER OR AREA Sec. 16-T41S-R24E	
18. ELEVATIONS (Show whether of, to, or, etc.) 4678' 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:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PCLL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) Convert to Water Injection <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recore Completion Report and Log form.)	

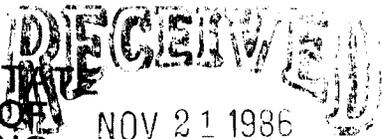
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

It is proposed to convert Ratherford Unit #16-12 from an Ismay and Zone I producing well to a Zone I water injection well. Upon conversion, the well will be acidized with approximately 4700 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
- 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]*  
 APPROVED *[Signature]* 3/23/86



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

SIGNED *[Signature]* TITLE Area Manager DATE November 17, 1986  
D. C. Gill

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

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



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

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

RECORDED  
MAR 20 1989  
OIL, GAS & MINING

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) 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 # 16W12

Location SW NW Sec. 16

RKB Elev. 4678'

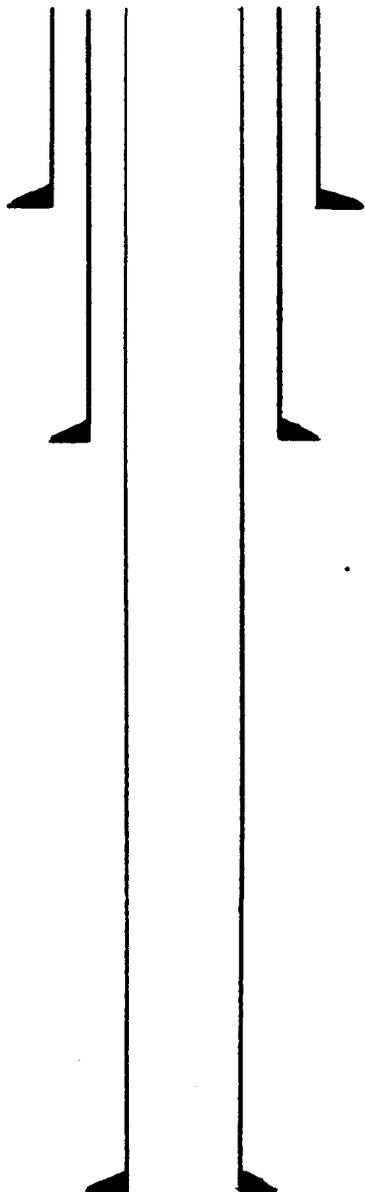
T415-R24E

GL Elev. 4667'

Well Drld 3/9/59

RKB Above GL' 11'

Well converted to injector 2/17/87



CONDUCTOR Csg 13 3/8 @ 175'

SURFACE Csg. 8 5/8 @ 1458'

TOC 3500'

Tubing 2 3/8 @ 5474' Duoline HT2

PACKER Otis Inter-lock PKR.

NICKEL COATED @ 5,474'

PERFS	<u>5,499 - 5,510</u>	<u>      </u>	<u>      </u>	<u>      </u>
	<u>5,518 - 22</u>	<u>      </u>	<u>      </u>	<u>      </u>
	<u>5,533 - 37</u>	<u>      </u>	<u>      </u>	<u>      </u>
	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>

PBTD 5576'

PRODUCTION Csg. 5 1/2 @ 5698'

K-55, 14#

All PERFS Zone I unless noted

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

SUBMIT IN TRIPPLICATE  
(Other instructions on reverse side)

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <b>Water Injection Well</b>		3. LEASE DESIGNATION AND SERIAL NO. 14-20-603-355
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo SW-I-4192
3. ADDRESS OF OPERATOR P. O. Box 1150, Cortez, Colorado 81320		7. UNIT AGREEMENT NAME Ratherford Unit
4. LOCATION OF WELL (Report location clearly and in accordance with applicable state requirements. See also space 17 below.) At surface 1880' FNL & 660' FWL, SW NW		8. FARM OR LEASE NAME
14. PERMIT NO. API 43-037-15720		9. WELL NO. 16W12
15. ELEVATIONS (Show whether of, to, or from) 4779' RKB		10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16-T41S-R24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

**RECEIVED**  
AUG 07 1989

DIVISION OF  
OIL, GAS & MINING

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

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

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

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

July 7, 1989 Through July 19, 1989

MI & RU well service unit 7/7/89. COOH w/tbg & pkr. GIH w/4-3/4" blade bit, 5-1/2" csg brush & scraper on 2-7/8" workstring. Drld streamers of hard scale & iron sulfide from 5481-5552' (PBD). COOH w/tbg, bit, brush & scraper. Set pkr at 5487'. Acidized w/3000 gal 80/20 28% DAD acid & MSR 100 plus additives. ISIP 2460 psi, 30 min 1200 psi. Swbd back load. GIH w/Otis 5-1/2" pkr & 173 jts 2-3/8" tbg. Reset pkr at 5371'. ND BOP, NU WH. Recorded UIC test at 1000 psi for 30 min. OK. RD & MO well service unit 7/18/89 and returned well to injection.

Inj. Rate before workover - 76 BWPD @ 2600 psi  
Inj. Rate after workover - 238 BWPD @ 2500 psi

- |                     |                        |
|---------------------|------------------------|
| 5 - BLM, Farmington | 1 - Mobil Oil          |
| 2 - Utah O&G CC     | 1 - Texaco, Inc.       |
| 1 - N. Anstine      | 1 - Chevron, USA       |
| 1 - S. H. Oden      | 1 - Cortez Office - RC |
| 1 - Chieftain       | 1 - Houston Office     |

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

SIGNED S. H. Oden TITLE District Superintendent DATE 8/3/89

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

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

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AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MINING

AMENDED REPORT  (Highlight Changes)

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

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

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

Date: 8/11/93

Name and Signature: PAT KONKEL

*Pat Konkell*

Telephone Number: 505 599-3452

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

3. LEASE DESIGNATION & SERIAL NO.

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO TRIBAL

7. UNIT AGREEMENT NAME

RATHERFORD UNIT

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT  
GREATER ANETH

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

MOBIL OIL CORPORATION

3. ADDRESS OF OPERATOR

P. O. BOX 633 MIDLAND, TX 79702

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

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SEP 15 1993  
DIVISION OF OIL, GAS & MINING

14. API NO.

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

12. COUNTY  
SAN JUAN

13. STATE  
UTAH

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) CHANGE OF OPERATOR

(Other)

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

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

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

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

\* Must be accompanied by a cement verification report.

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

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

SIGNED

*Shirley Todd*

TITLE

ENV. & REG TECHNICIAN

DATE

9-8-93

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

✓12W-44	43-037-16405	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 660 FSL; 660 FEL
✓12W-44A	43-037-31543	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 807 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>14-02</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' FNL; 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

PAID

PAID

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*L.S. 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)

*\*931006 updated. jcc*

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

**RECEIVED**

SEP 13 1993

DIVISION OF OIL, GAS & MINING

COMMENTS: *PLEASE NOTE ADDRESS change. Mobil ~~also~~ PRODUCTION REPORTS will be compiled and sent from the Cortez, Co. office IN THE FUTURE.*

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

Date: 9/5/93

Name and Signature: L. S. Sheffield

Telephone Number: 303 565 2212  
214 658 2528

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

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

Here is copy of Rutherford Unit  
Successor Operator.

4 pages including this one.

*File Ratherford Unit (GC)*

RECEIVED  
BLM

JUL 27 AM 11:44

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

070 FARMINGTON, NM

ARES/543

JUL 26 1993

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

MINERAL	1993
DATE	
FILE NO.	3
FILED	2
ALL SUPV.	
FILED	

Dear Mr. Cox:

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

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

Sincerely,

ACTING Area Director

Enclosure

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

RECEIVED  
BLM

DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

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

JUN 27 11:44  
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. Martiny Attorney-in-Fact B.D. MARTINY

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

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

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

## EXHIBIT "A"

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

## EXHIBIT "C"

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

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

100% Indian Lands

TOTAL 12,909.74

100.0000000

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

Route original/copy to:

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

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

Other  
OPERATOR CHANGE

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

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

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

of (Company/Organization) MOBIL

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

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

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

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

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

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

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

CURRENT OPERATOR

Transfer approved by:

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

Comments:

NEW OPERATOR

Transfer approved by:

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

Comments:

(State use only)

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

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

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

ORDER

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

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

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SEEM

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

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SEEM

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

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

of the monetary value, if any, to be attributed to three test wells drilled within the 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

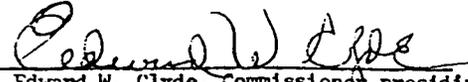
THEREFORE, IT IS ORDERED BY THE COMMISSION, and subject to its continuing jurisdiction, that:

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

  
M. V. Hatch, Commissioner

  
C. S. Thomson, Commissioner

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

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

Routing:	
1	VFC/07-93
2	DTG/58-FILE
3	VLC
4	RJFY
5	JLW
6	PL

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

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

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

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

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

Name: <b>**SEE ATTACHED**</b>	API: <u>43-037-15720</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

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

**ENTITY REVIEW**

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

**BOND VERIFICATION (Fee wells only)**

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

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

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

**FILMING**

- 1. All attachments to this form have been microfilmed. Date: 11-16 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/Btm Approved 7-9-93.

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	43-037-15506	L-21	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-16358	K-24	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-30400	K-22X	41S	25E	18	INJI	Y
✓MEPNA (MOBIL	43-037-15499	J-21	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15508	L-25	41S	25E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15839	1W24	41S	23E	1	INJW	Y
✓MEPNA (MOBIL	43-037-15838	1W13	41S	23E	1	INJW	Y
✓MEPNA (MOBIL	43-037-16386	2W44	41S	23E	2	INJW	Y
✓MEPNA (MOBIL	43-037-15842	11W44	41S	23E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15841	11W42	41S	23E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15848	12W33	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15850	12W42	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15847	12W31	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-16404	12W13	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15845	12W22	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15843	12W11	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-31151	12W24	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-31543	RATERFORD 12	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15854	13W31	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15851	13W13	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15857	13W42	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16407	13W44	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15855	13W33	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-31152	13W11	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15852	13W22	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15853	13W24	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16410	14W43	41S	23E	14	INJI	Y
✓MEPNA (MOBIL	43-037-15860	14W43	41S	23E	14	INJW	Y
✓MEPNA (MOBIL	43-037-15863	24W42	41S	23E	24	INJW	Y
✓MEPNA (MOBIL	43-037-15862	24W31	41S	23E	24	INJW	Y
✓MEPNA (MOBIL	43-037-15984	6W14	41S	24E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15988	7W32	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15990	7W41	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16394	7W21	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15985	7W12	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15989	7W34	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15986	7W14	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15987	7W23	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16395	7W43	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16396	8W43	41S	24E	8	INJI	Y
✓MEPNA (MOBIL	43-037-15992	8W14	41S	24E	8	INJW	Y
✓MEPNA (MOBIL	43-037-16398	9W23	41S	24E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16400	9W43	41S	24E	9	INJI	Y
✓MEPNA (MOBIL	43-037-16397	9W21	41S	24E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16402	10W23	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-16401	10W21	41S	24E	10	INJI	Y
✓MEPNA (MOBIL	43-037-16403	10W43	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-16413	15W43	41S	24E	15	INJI	Y
✓MEPNA (MOBIL	43-037-16411	15W21	41S	24E	15	INJW	Y
✓MEPNA (MOBIL	43-037-16412	15W23	41S	24E	15	INJI	Y
✓MEPNA (MOBIL	43-037-16415	16W43	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-15720	16W12	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-15721	16W14	41S	24E	16	INJW	Y

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

Routing:	
1-LEC	7-PL
2-LWP	8-SJ
3-DEW	9-FILE
4-VLC	
5-RJF	
6-LWP	

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

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

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

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

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

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

Name: <u>** SEE ATTACHED **</u>	API: <u>037-15720</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

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

ENTITY REVIEW

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

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

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

FILMING

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

FILING

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

COMMENTS

*950803 LIC F5/ Not necessary!*

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No. 14-20-603-355
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 #16W12
9. API Well No. 43-037-15720
10. Field and Pool, or Exploratory Area GREATER ANETH
11. County or Parish, State SAN JUAN, UTAH

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 Mobil Producing TX & NM 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. 16, T41S, R24E 1880' FNL & 660' FWL, (SW NW)	

**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 <u>MIT RESULTS</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

MIT results and chart are attached.

RECEIVED  
MAY 12 2000  
DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Ellen M. Carroll	Title Senior Staff Office Assistant	* ExxonMobil Production Company, A division of Exxon Mobil Corporation, acting for Mobil Producing Texas & New Mexico, Inc.
Signature <i>Ellen M. Carroll</i>	Date 5/12/2000	

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 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.

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator EXXON-MOBILE, P., INC. Date of Test 1-19-2000

Well Name RATHERFORD UNIT WELL #16W-12 EPA Permit No. \_\_\_\_\_

Location SNNW SEC 16, T41S, R24E Tribal Lease No. 1420603355

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
	0-2000 psi gauge	0-1500 psi recorder	0-3000 psi gauge
11:52 Am	1075	1075	3049 m.c.
11:57 Am	1075	1075	3049
12:02 Pm	1075	1075	3049
12:07 Pm	1075	1075	3049
12:12 Pm	1075	1075	3049
12:17 Pm	1075	1075	3049
12:22 Pm	1075	1075	3049

MAX. INJECTION PRESSURE: 3000 PSI  
MAX. ALLOWABLE PRESSURE CHANGE: 53.75 PSI (TEST PRESSURE X 0.05)

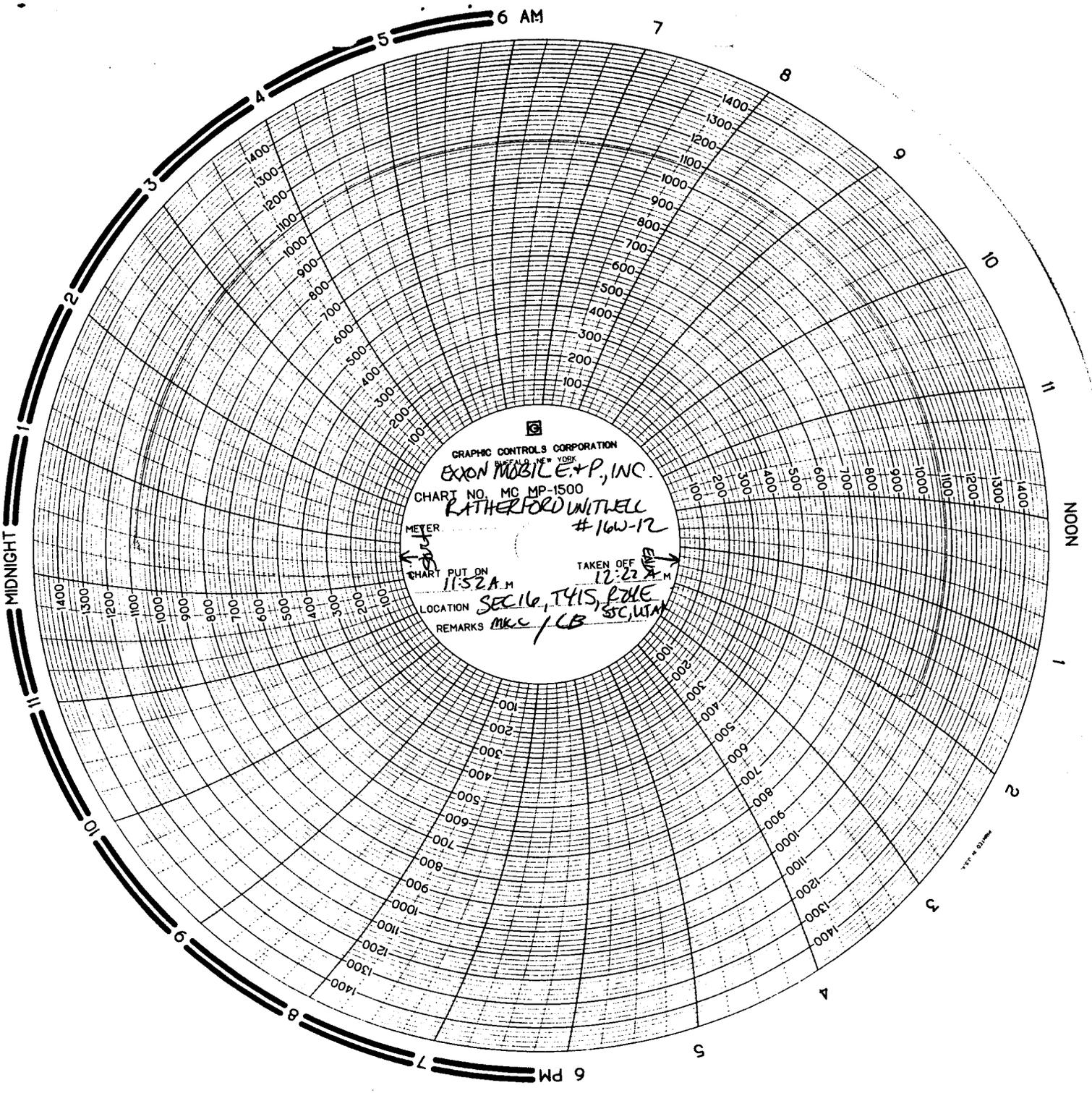
REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

Fluid from bradenhead was bled off into truck.  
Bradenhead was closed. Active, injecting.  
Exxon-Mobil was going to make a note of the slightly high tubing pressure.  
Passed MIT

Caribon Blackfoot  
COMPANY REPRESENTATIVE: (Print and Sign)

MELVNA K. CAH Melvina Clark  
INSPECTOR: (Print and Sign)

DIVISION OF OIL, GAS AND MINING  
1/19/00  
DATE  
1-19-2000  
DATE



GRAPHIC CONTROLS CORPORATION  
 BUFFALO, NEW YORK  
**EXXON MOBILE & P, INC.**  
 CHART NO. MC MP-1500  
**RATHERFORD WITWELL**  
**#16W-12**  
 METER  
 CHART PUT ON 11:52 A.M.  
 TAKEN OFF 12:22 A.M.  
 LOCATION SEC 16, T415, P20E  
 REMARKS MKC / LB SEC, UTA

RECORDED

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.*

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

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

43.037.15720

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<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 recompletable 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 recompletable in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

Mobil Exploration & Producing US Inc. as agent for Mobil Producing Texas & New Mexico Inc. & Mobil Exploration & Producing North America Inc. requests authorization to pull the injection equipment, change out the wellheads and return the wells to injection. We plan to replace the 2,000 psi wellheads with 5,000 psi wellheads.

See Attached Listing of Wells.

RECEIVED

SEP 14 2000

DIVISION OF  
OIL, GAS AND MINING

COPY SENT TO OPERATOR  
Date: 9-19-00  
Initials: CDD

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Mark Del Pico	Title Regulatory Sepcialist
Signature <i>Mark Del Pico</i>	Date 9/12/00

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

Approved By	Title	ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	DATE: 9-18-00 RJK

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

Federal Approval Of This  
Action is Necessary

Attached Listing of Ratherford Wells

Well Name Number	API Number	Federal Lease #	Sec T R	Location
Ratherford 7-W-34	43-037-15989	14-20-603-368	07 - T41S - R24E	710 FSL / 2003 FEL
Ratherford 11-W-42	43-037-15841	14-20-603-246	11 - T41S - R23E	3290 FLS / 4617 FWL
Ratherford 12-W-11	43-037-15843	14-20-603-246A	12 - T41S - R23E	678 FNL / 4620FEL
Ratherford 13-W-22	43-037-15852	14-20-603-247A	13 - T41S - R23E	1988 FNL / 3300 FEL
Ratherford 13-W-31	43-037-15854	14-20-603-247A	13 - T41S - R23E	660 FNL / 1980 FEL
Ratherford 16-W-42	43-037-15720	14-20-603-355	16 - T41S - R24E	1880 FNL / 660 FWL
Ratherford 20-W-21	43-037-16423	14-20-603-353	20 - T41S - R 24E	600 FNL / 1880 FWL
Ratherford 24-W-31	43-037-15862	14-20-603-247A	24 - T41S - R23E	560 FNL / 1830 FEL
Ratherford 29-W-21	43-037-16432	14-20-603-407	29 - T41S - R24E	662 FNL / 2122 FWL

RepWellList2.doc

RECEIVED

SEP 14 2000

DIVISION OF  
OIL, GAS AND MINING

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## SUB SURFACE MAINTENANCE PROGRAM

WELL NO : Ratherford 16-W-12 / API # 43-037-15720

SEC 16-T41S-R24E

COUNTY INFO: San Juan County

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

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

### GENERAL PROCEDURES

- (1) Prior to MIRU PU, MIRU perf company and perforate tbg at approximately 5415'. Circ calculated kill fluid down the casing and up the tbg to establish well control.  
*Note – The well may already have been killed with calculated KWM prior to step 1.*
- (2) MIRU PU. Pick up on tbg and LD 1<sup>st</sup> joint. PU compression set pkr (storm valve) and RIH and set in compression. Monitor the well for pressure for a least one hour.  
  
Once well control has been re-confirmed, proceed to spear production csg hanger and relieve tension.
- (3) Proceed to cut off lower csg head and weld on the 5000psi high pressure replacement wellhead.
- (4) NU BOP/Hydril. Pick up pkr setting joint and left-handed thread and retrieve pkr (storm valve).
- (5) MIRU Campbell's tbg testers.
- (6) Release pkr and POOH hydrotesting each joint and LD first joint and SB remaining 2 3/8" Duoline tbg and LD all joints that fail 3500psi test.
- (7) LD 5 1/2" x 2 3/8" Otis Interlock pkr set @5402'.
- (8) RDMO Campbell tbg testers.
- (10) PU redressed Otis Interlock pkr, 1.781 profile w/ pump out plug, and 5 1/2" x 2 3/8" on/off tool. RIH on 2 3/8" Duoline tbg.
- (11) Set pkr @5400' and test to 1000psi.
- (12) Release on/off tool, circ. Pkr. Fluid (145bbls of freshwater w/ 61gal of Baker Petrolite CRW 132F) latch on to pkr.  
*Note – Volume based on a pkr setting depth of 5402' + 10% of total volume.*

Continued ....

**(13) ND BOP/Hydril, NU WH.**

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

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

**(15) Clean location RDMO PU.**

**Latherford 16-W-12  
WELL ID  
API #43-037-15720  
SEC 16-T41S - R24E**

- OVERALL OBJECTIVE:**
- (1) kill well
  - (2) pull injection equipment
  - (3) Change out wellhead
  - (4) RIH w/ redressed pkr, on/off tool and profile nipple on 2 3/8" tbg

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

Surface csg - 8 5/8", 24#,  
J55, 1458' w/ 800cu ft cmt  
+125sx of cmt

173jts of 2 3/8" Duoline tbg

Surface Csg Shoe @1458

MUD WEIGHT:  
MUD VISCOSITY:

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

**EXISTING EQUIPMENT**

Run time - 7/18/89

- 173jts of 2 3/8" Duoline tbg
- 5 1/2" on/off tool
- 5 1/2" Otis interlock pkr @ 5402'

**NEW EQUIPMENT INFO**

- new 5000# high pressure wellhead
- profile below pkr

TOC - 4340'

Otis interlock pkr @5402' w/ on/off tool

Perfs  
5447'-5469' sqz'd  
5472'-5476' sqz'd

5499'-5510'  
5518'-5522'

5330'-5532' sqz'd  
5533'-5537'  
5538'-5572' sqz'd

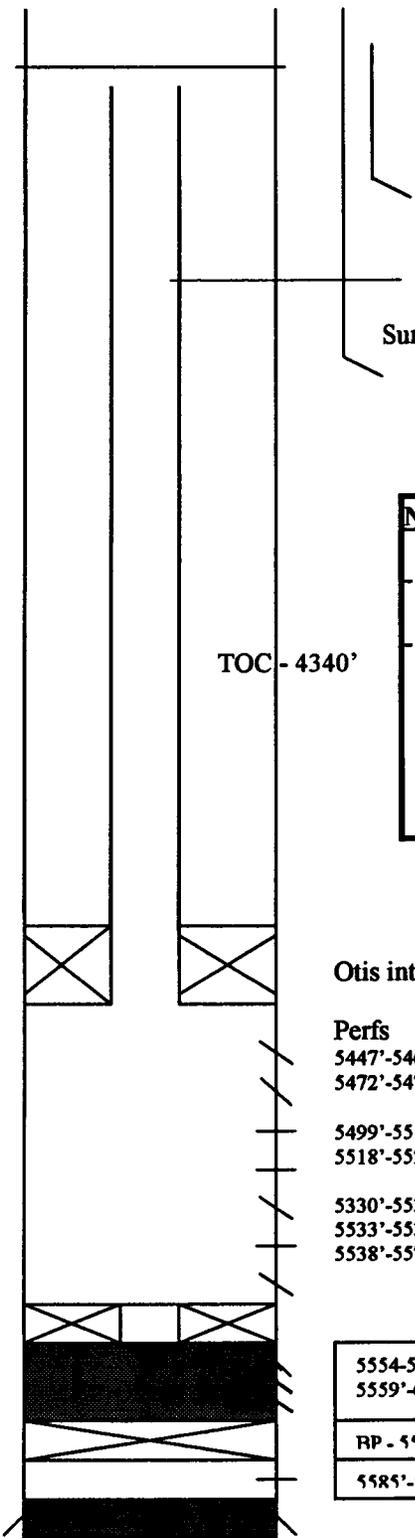
Retainer at 5552'

5554-58' sqz'd  
5559'-65', 5566' sqz'd

5 1/2", 14#, J55, 5697'  
w/ 200sx of cmt

RP - 5575'  
5585'-5590'

PBTD - 5552'  
TD - 5697'



**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.

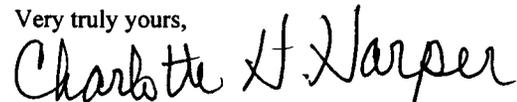
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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

~~XXXXXXXXXXXXXX~~  
Navajo Area Office  
**NAVAJO REGION**

P.O. Box 1060

Gallup, New Mexico 87305-1060

**AUG 30 2001**

IN REPLY REFER TO:

RRES/543

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

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

Dear Ms. Harper:

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

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

Sincerely,

**GENNI DENETSONE**

Regional Realty Officer

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

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

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

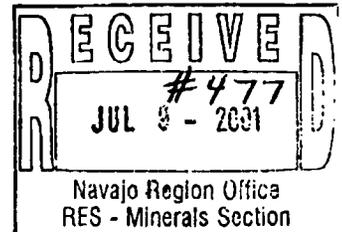
*By 7/12/2001*  
*SH*  
*543*  
*File*

June 27, 2001

**ExxonMobil**  
**Production**

Certified Mail  
Return Receipt Requested

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



Change of Name –  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

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

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

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

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

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

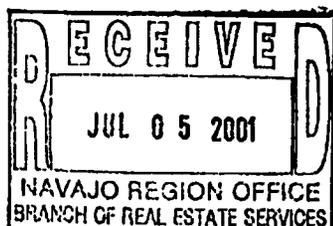
If you have any questions , please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



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

*NOTE: Check forwarded to Ella Isaac*

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.

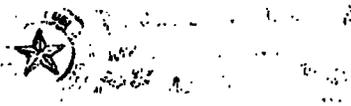
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

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

1900 West Loop South, Suite 1900, Houston, Texas 77027-3507  
Telephone: (713) 297-4600 • Facsimile: (713) 297-4750

*New 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**



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; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of said Notary Public is in the genuine handwriting of said Notary Public and was thereto subscribed by authority of said Notary Public in the presence of said Notary Public.



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 09:06 NO.133 03/04

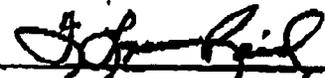
**FOURTH:** That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

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

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

STATE OF TEXAS        )  
COUNTY OF DALLAS    )

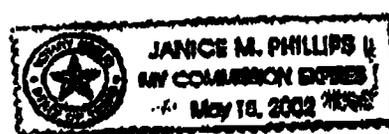
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
\_\_\_\_\_  
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 06/01 '01  
**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

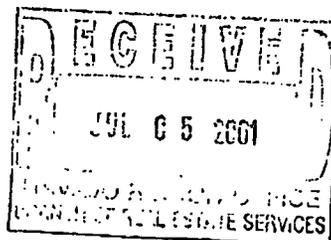
5959 Lee Colinas Blvd.  
(Mailing address)

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

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

*ny Albany*

*Cust Ref # 165578 MPJ*



**010601000195**

State of New York }  
Department of State } ss:

*I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.*

Witness my hand and seal of the Department of State on **JUN 01 2001**



A handwritten signature in black ink, appearing to read "J. H. ...", is written over a horizontal line.

*Special Deputy Secretary of State*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
**14-20-603-355**

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 16W12**

9. API Well No.  
**43-037-15720**

**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 & NM, 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)  
**1880' FNL & 660' FWL (SW NW)  
Sec 16 T41S R24E**

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

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

**Ratherford Unit #16W12 encountered pressure on August 23, 2001. The initial pressure readings were (casing - 1300#, tubing - 2950#). The well has been shut-in. NNEPA & USEPA were notified on August 29, 2001. Repair plans are as follows:**

**Field personnel will set a plug on wireline and maintain psi bleed-off until a rig is available to repair. At rig up we will: 1) Psi test tubing to determine leak, 2) Release from packer, POOH with tubing and replace all that do not pass a hydrotest, 3) RIH with tubing and nitrogen test connections, latch back on packer, 4) Perform MIT and return well to injection. We show due date for repairs to be October 23, 2001.**

**Kim Lynch  
Sr. Staff Administrative Assitant  
ExxonMobil Production Company,  
a division of Exxon Mobil Corporation, acting for  
Mobil Producing Texas & New Mexico, Inc.**

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

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed) **Kim Lynch** Title **Sr. Staff Office Assistant**  
Signature *Kim Lynch* Date **08/30/2001**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

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

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**

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**14-20-603-355**

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 16W12**

9. API Well No.  
**43-037-15720**

11. County or Parish, State  
**GREATER ANETH  
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 & NM, 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)

**1880' FNL & 660' FWL (SW NW)  
Sec 16 T41S R24E**

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

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

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 recalmaton, have been completed, and the operator has determined that the site is ready for final inspection.)

**Ratherford Unit #16W12 encountered pressure on August 23, 2001. The initial pressure readings were (casing - 1300#, tubing - 2950#). The well has been shut-in. NNEPA & USEPA were notified on August 29, 2001. Repair plans are as follows:**

**Field personnel will set a plug on wireline and maintain psi bleed-off until a rig is available to repair.**

**At rig up we will: 1) Psi test tubing to determine leak, 2) Release from packer, POOH with tubing and replace all that do not pass a hydrotest, 3) RIH with tubing and nitrogen test connections, latch back on packer, 4) Perform MIT and return well to injection. We show due date for repairs to be October 23, 2001.**

**Kim Lynch  
Sr. Staff Administrative Assitant  
ExxonMobil Production Company,  
a division of Exxon Mobil Corporation, acting for  
Mobil Producing Texas & New Mexico, Inc.**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Kim Lynch</b>	Title <b>Sr. Staff Office Assistant</b>
Signature <i>Kim Lynch</i>	Date <b>08/30/2001</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attacheed. 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.*

5. Lease Serial No.  
**14-20-603-355**

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** *16-12*  
**16W12**

9. API Well No.  
**43-037-15720**

11. County or Parish, State  
**GREATER ANETH**  
**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 & NM, 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)  
**1880' FNL & 660' FWL (SW NW)**  
**Sec 16 T41S R24E**

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>Wellhead Replacement</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 recalmaton, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached is a summary of work performed to replace the wellhead on Ratherford Unit #16W12 from 9/17/01 to 9/28/01. Repairs to correct the pressure are still being made at this time.

**Kim Lynch**  
Sr. Staff Administrative Assitant  
ExxonMobil Production Company,  
a division of Exxon Mobil Corporation, acting for  
Mobil Producing Texas & New Mexico, Inc.

**RECEIVED**  
NOV 07 2001  
DIVISION OF  
OIL, GAS AND MINING

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

Name (Printed/Typed) <b>Kim Lynch</b>	Title <b>Sr. Staff Office Assistant</b>
Signature <i>Kim Lynch</i>	Date <b>11/06/2001</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.

**Ratherford Unit #16W12  
San Juan County, Utah  
14-20-603-355**

2001/09/17 (Monday)

PREP LOCATION FOR WSU. RU COBRA SLICKLINE AND ATTEMPT TO SET PLUG IN PROFILE. NO LUCK. RELEASED PERFORATORS.

2001/09/19 (Wednesday)

BLEED DOWN SURFACE CSG (1200 PSI). IT APPEARS THAT THERE IS A LEAK IN THE WELLHEAD THAT IS ALLOWING THE PRODUCTION CSG AND SURFACE CSG TO COMMUNICATE. IF CSG TESTS GOOD BELOW 30', WE WILL CHANGE OUT WELLHEAD.

2001/09/20 (Thursday)

BLEED DOWN SURFACE CSG (1500 PSI). RU WSU. RU WIRELINE UNIT AND RIH. MAKE JET CUT AT 5381'. CIRCULATE THE WELL WITH 120 BBLs OF 17.4 PPG KWF AND SION.

2001/09/21 (Friday)

SITP/CP = 0. ND WELLHEAD CAP AND INSTALL SCREW-ON FLANGE. ATTEMPT TO REMOVE SLIPS FROM WELLHEAD. COULD NOT MOVE THE TBG. HEAT UP THE CAP AND STILL COULD NOT REMOVE SLIPS FROM THE BOWL. NUBOPE AND SION.

2001/09/24 (Monday)

SITP/CP = 0. TBG FLOWING SLIGHTLY. PUMP 45 BBLs DOWN THE CASING AND NDBOPE. CUT TOP OF BOWL FROM WELLHEAD. ND TUBING HEAD AND PU TUBING AND TUBINGHEAD. BEAT SLIPS OUT OF TBGHEAD AND NUBOPE. RELEASE PACKER AND SION.

2001/09/25 (Tuesday)

SITP/CP = 0. OPEN WELL AND POOH WITH ONE JT. RUN STORM PACKER AND TEST BOPE. RELEASE PACKER AND POOH WITH TBG AND PACKER. MU BIT AND SCRAPER AND RIH. SION.

2001/09/26 (Wednesday)

SITP/CP = 0 OPEN WELL AND POOH. MU AND RIH WITH NEW PACKER ASSEMBLY AND SET PACKER AT 5180'. GET OFF OF ON/OFF TOOL AND ROLL THE MUD OUT OF THE HOLE. PULL 8 JTS AND RUN STORM PACKER. TESTED CASING BELOW PACKER TO 1000 PSI. PREPARED TO CHANGE OUT WELLHEAD. SION.

2001/09/27 (Thursday)

SITP/CP = 0. NDBOPE AND SPEAR CASING. PU ~128K TO GET IT OUT OF SLIPS. REMOVE SLIPS AND SET CASING ON BOTTOM. CIRCULATE OUT A SMALL AMOUNT OF OIL AND TOP OFF WELL WITH FRESH WATER. CUT OFF OLD WELLHEAD AND INSTALL AND TEST NEW WELLHEAD. NUBOPE AND SION.

**Ratherford Unit #16W12  
San Juan County, Utah  
14-20-603-355**

2001/09/28 (Friday)

SITP/CP = 0. OPEN WELL AND RE-TEST BOPE. RELEASE STORM PACKER AND POOH. RU HYDROTESTERS AND BEGIN TESTING IN THE HOLE. FOUND PINS AND COUPLING TO BE WORN OUT AND SEVERAL LINERS CRACKED. DECIDED TO CHANGE OUT TUBING STRING. RIH AND NDBOPE. NUWH AND SION.

**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>14-20-603-355</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 16W12</b>
9. API Well No.	<b>43-037-15720</b>
10. Well Name	<b>GREATER ANETH</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>Mobil Producing TX &amp; NM, Inc.</b>	
3a. Address <b>P. O. Box 4358 Houston TX 77210-4358</b>	3b. Phone No. (include area code) <b>(713) 431-1197</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1880' FNL &amp; 660' FWL (SW NW) Sec 16 T41S R24E</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>Repairs &amp; Passing MIT with 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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including recalculation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Attached is a summary of work performed on Ratherford Unit #16W12 from 11/28/01 to 12/1/01. Also attached is the MIT and chart performed on 12/6/01.**

**Kim Lynch**  
Sr. Staff Administrative Assitant  
ExxonMobil Production Company,  
a division of Exxon Mobil Corporation, acting for  
Mobil Producing Texas & New Mexico, Inc.

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

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Kim Lynch</b>	Title <b>Sr. Staff Office Assistant</b>	<b>RECEIVED</b>
Signature <i>Kim Lynch</i>	Date <b>12/20/2001</b>	<b>DEC 21 2001</b>

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

Approved by	Title <b>DIVISION OF OIL, GAS AND MINING</b>
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.

**Ratherford Unit #16W12  
San Juan County, Utah  
14-20-603-355**

2001/11/28 (Wednesday)

MIRU WSU. NDWH, NU AND TEST BOPE

2001/11/29 (Thursday)

SPOT FLOAT AND POOH LAYING DOWN 2 3/8" DUOLINE TUBING. SPOT IN NEW TBG AND BEGIN PICKING UP NEW 2 3/8" DUOLINE TBG.

2001/11/30 (Friday)

OPEN WELL AND FINISH RIH WITH DUOLINE TBG. MIRU SLICKLINE. TEST CSG TO 1000 PSI FOR 30 MINUTES. OK. RIH AND RETRIEVE PLUG FROM PROFILE. RIH WITH 1.50 'S' LOCK PLUG. POOH AND FOUND PART OF SETTING TOOL WAS LEFT IN THE HOLE. ATTEMPT TO RETRIEVE. NO LUCK. SION.

2001/12/01 (Saturday)

OPEN WELL AND MADE THREE ATTEMPTS TO RETRIEVE SETTING TOOL. FINALLY GOT IT. RAN NEW PLUG AND TESTED TUBING TO 3000 PSI. HELD GOOD. RD SLICKLINE AND NDBOPE. NU WH AND RDMO WSU. JOB COMPLETE.

FINAL BHA: 2 3/8" WIRELINE RE-ENTRY GUIDE @ 5391'; 1.43 'R' NIPPLE @ 5390'; 6' SS SUB; 5.5" PC 'G' IV PACKER @ 5383'; ON/OFF TOOL WITH 1.50 'F' PROFILE @ 5379'; 168 JTS OF 2 3/8" DUOLINED TBG; 1 EACH 4', 6', 8', 10' 2 3/8" SUBS, 1-2 3/8" DUOLINE LANDING JT.

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

... mits

DEC 19 2001

Operator Exxon Mobil U.S. West Date of Test 12/6/01

Well Name Rafterford Unit Well #16W12 EPA Permit No. \_\_\_\_\_

Location SWNW Sec 16, T41S, R24E Tribal Lease No. 1420603355

State and County San Juan County, Utah

Continuous Recorder? YES  NO  Pressure Gauge? YES  NO

Bradenhead Opened? YES  NO  Fluid Flow? YES  NO

TIME	0-1500psi ANNULUS PRESSURE, psi recorder gauge	0-1500psi ANNULUS PRESSURE, psi gauge	0-5000psi TUBING PRESSURE, psi gauge
10 am	880	1025	1765
10:05 am	880	1025	1765
10:10 am	880	1025	1765
10:15 am	880	1025	1765
10:20 am	880	1025	1765
10:25 am	880	1025	1765
10:30 am	880	1025	1765

MAX. INJECTION PRESSURE: 3000 PSI

MAX. ALLOWABLE PRESSURE CHANGE: 51.25 PSI (TEST PRESSURE X 0.05)

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

Fluid on bradenhead, oil was bled off into truck.

Had a workover, wellhead upgrade.

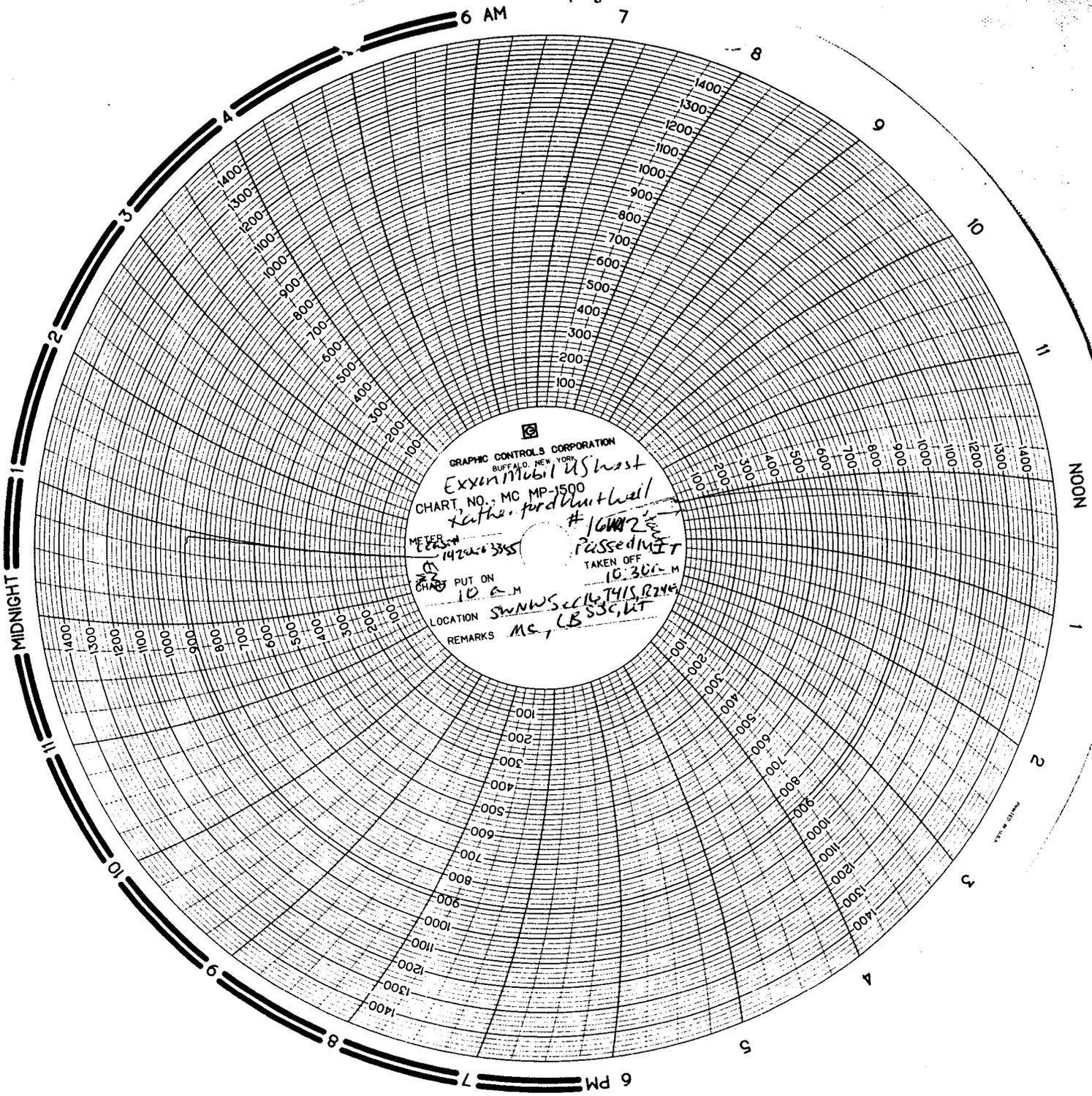
Passed MIT

Carroll Blackbert  
COMPANY REPRESENTATIVE: (Print and Sign)

12/6/01  
DATE

Melvina Clah  
INSPECTOR: (Print and Sign)

12-6-01  
DATE



GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

Exxon Mobil US West  
CHART, NO. MC MP-1500  
Katho. prod unit well

METER # 142200335

# 16002  
Passed MET

CHART PUT ON 10 A.M.

TAKEN OFF 10:30 A.M.

LOCATION SWNW Sec 16, T41S, R24E

REMARKS MC, LB SSC, LT

**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**

**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD 14-W-42	14-41S-23E	43-037-15860	6280	INDIAN	WI	A
RATHERFORD UNIT 14-31	14-41S-23E	43-037-31717	6280	INDIAN	WI	A
24-31	24-41S-23E	43-037-15862	6280	INDIAN	WI	A
24-42	24-41S-23E	43-037-15863	6280	INDIAN	WI	A
6-14	06-41S-24E	43-037-15984	6280	INDIAN	WI	A
7-12	07-41S-24E	43-037-15985	6280	INDIAN	WI	A
7-14	07-41S-24E	43-037-15986	6280	INDIAN	WI	A
7-34	07-41S-24E	43-037-15989	6280	INDIAN	WI	A
NAVAJO B41-7 (RATHERFORD 7-41)	07-41S-24E	43-037-15990	99990	INDIAN	WI	A
8-14	08-41S-24E	43-037-15992	6280	INDIAN	WI	A
RATHERFORD 8W43	08-41S-24E	43-037-16396	99996	INDIAN	WI	A
NAVAJO B-5 (RATHERFORD 9-43)	09-41S-24E	43-037-16400	99990	INDIAN	WI	I
NAVAJO B-6 (RATHERFORD 10W21)	10-41S-24E	43-037-16401	99990	INDIAN	WI	I
NAVAJO B-2 (RATHERFORD 10W23)	10-41S-24E	43-037-16402	99990	INDIAN	WI	I
NAVAJO W-2 (RATHERFORD 10W43)	10-41S-24E	43-037-16403	99990	INDIAN	WI	I
NAVAJO A-11 (RATHERFORD 15W21)	15-41S-24E	43-037-16411	99990	INDIAN	WI	I
NAVAJO A-19 (RATHERFORD 15W23)	15-41S-24E	43-037-16412	99990	INDIAN	WI	I
NAVAJO A-24 (RATHERFORD 15W43)	15-41S-24E	43-037-16413	99990	INDIAN	WI	I
16-12	16-41S-24E	43-037-15720	6280	INDIAN	WI	A
16-14	16-41S-24E	43-037-15721	6280	INDIAN	WI	A

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

7. **Federal and Indian Units:**

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

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

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

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

**NOTE: EPA ISSUES UIC PERMIT**

**DATA ENTRY:**

- 1. Changes entered in the Oil and Gas Database on: 04/10/2002
- 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 04/10/2002
- 3. Bond information entered in RBDMS on: N/A
- 4. Fee wells attached to bond in RBDMS on: N/A

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

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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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:**

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See attached list	API Number Attached
Location of Well 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

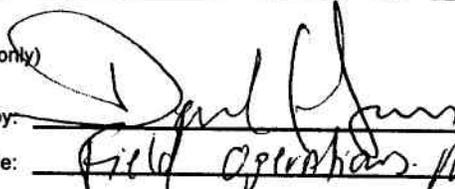
CURRENT OPERATOR

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:

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APR 24 2006

DIV. OF OIL, GAS & MINING

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

FORM 9

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

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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

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

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

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

(This space for State use only)

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

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

(5/2000)

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

FORM 9

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

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

NAME (PLEASE PRINT) 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)

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APR 21 2006

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

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

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

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-355	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO	
<b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD	
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> 16-12
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES	<b>9. API NUMBER:</b> 43037157200000
<b>3. ADDRESS OF OPERATOR:</b> 1675 Boradway Ste 1950 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 534-4600 Ext
<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH	<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1880 FNL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 16 Township: 41.0S Range: 24.0E Meridian: S
<b>COUNTY:</b> SAN JUAN	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/3/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute proposes to perform a UIC repair on the Rutherford Unit 16-12. The wellbore will be cleaned out to stimulate production in the injection unit. Attachment is the proposed procedure and current wellbore diagram.

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

**Date:** June 04, 2013

**By:**

<b>NAME (PLEASE PRINT)</b> Sherry Glass	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr Regulatory Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/21/2013	

*UIC Repair*  
**Ratherford Unit 16W-12**  
1880' FNL & 660' FWL  
Sec 16, T41S, R24E  
San Juan County, Utah  
API 43-037-15720

Procedure:

1. MIRU WSU, LOTO.
2. Establish KWF. Kill well as necessary.
3. ND WH, NU BOPE.
4. Pressure Test BOP against landing donut.
5. J-off packer, circulate KWF.
6. POOH, Tally & LD 2-3/8" Duolined tbg (run in Dec 2001).
7. PU workstring tubing and TIH to recover the 5-1/2" Otis Interlock packer at 5371'/5382' KB.
8. PU bit w/scraper 3 jts above bit, RIH to 5531' PBD; scraper to ~5436'; top of sqz'd perms at 5447'KB. Circulate clean. (Last cleanout in 2006)
9. POOH and LD bit and scraper.
10. RU electric line & run casing inspection caliper log from PBD to surface.
11. RIH 5-1/2" treating packer & 6 jts tailpipe. Set packer per CIL at ~5335' w/tailpipe to ~5525'.

NOTE: Include landing nipple & unloader valve above pkr to allow setting plug & changing wellbore fluid above the packer to brine after acidizing.

12. Pressure test backside and casing to 1000 psi/30 min. Bleed off backside.
13. RU acidizing equipt to pump 1000 gal 20% HCl.
14. Open bypass & spot acid around tailpipe, up to 5499' top open perf. Close bypass, soak 30 min; put 500 psi on the backside during soak.
15. Pump acid away at max rate possible, keeping under 3500 TP. Monitor backside pressure.
16. Displace acid with 25 bbls fresh wtr past the end of workstring. Soak 2 hrs. Calculate KWF from final pressure after soak.
17. RU WL & set plug in profile nipple above trt pkr, shift unloader valve open; circ backside to brine per KWF calculation after acid.
18. Retrieve plug from profile nipple, RD WL. POOH w/treating packer & workstring.
19. PU, RIH with 5-1/2" Arrowset 1-X packer with 1.50 F plug in place.
20. Set packer at ~5360' KB per CIL results/previous set @ 5382' KB.
21. J-off packer, circulate packer fluid up backside.
22. Perform mock MIT to 1000 psi/30 min.
23. POOH LD workstring.

24. PU & RIH new 2-3/8" Duoline tubing and on/off tool. NOTE: Running of injection tbg to be under the direction of those individuals that have been trained; every coupling to be inspected & properly torqued.
25. Jay onto packer, space out & land tubing. Perform mock MIT after landing tubing.
26. ND BOP, NU WH.
27. MIRU slickline unit. Test lubricator to 2500#
28. RIH gauge ring, shear 1.50 F plug, and retrieve plug. RDMO slickline unit.
29. RD WSU.
30. Schedule MIT w/NNEPA.
31. Notify the Area Production Supervisor that well is ready to return to injection.
32. RDMOL.

**RATHERFORD UNIT # 16W-12**

GREATER ANETH FIELD

1880' FNL & 660' FWL

SEC 16-T41S-R24E

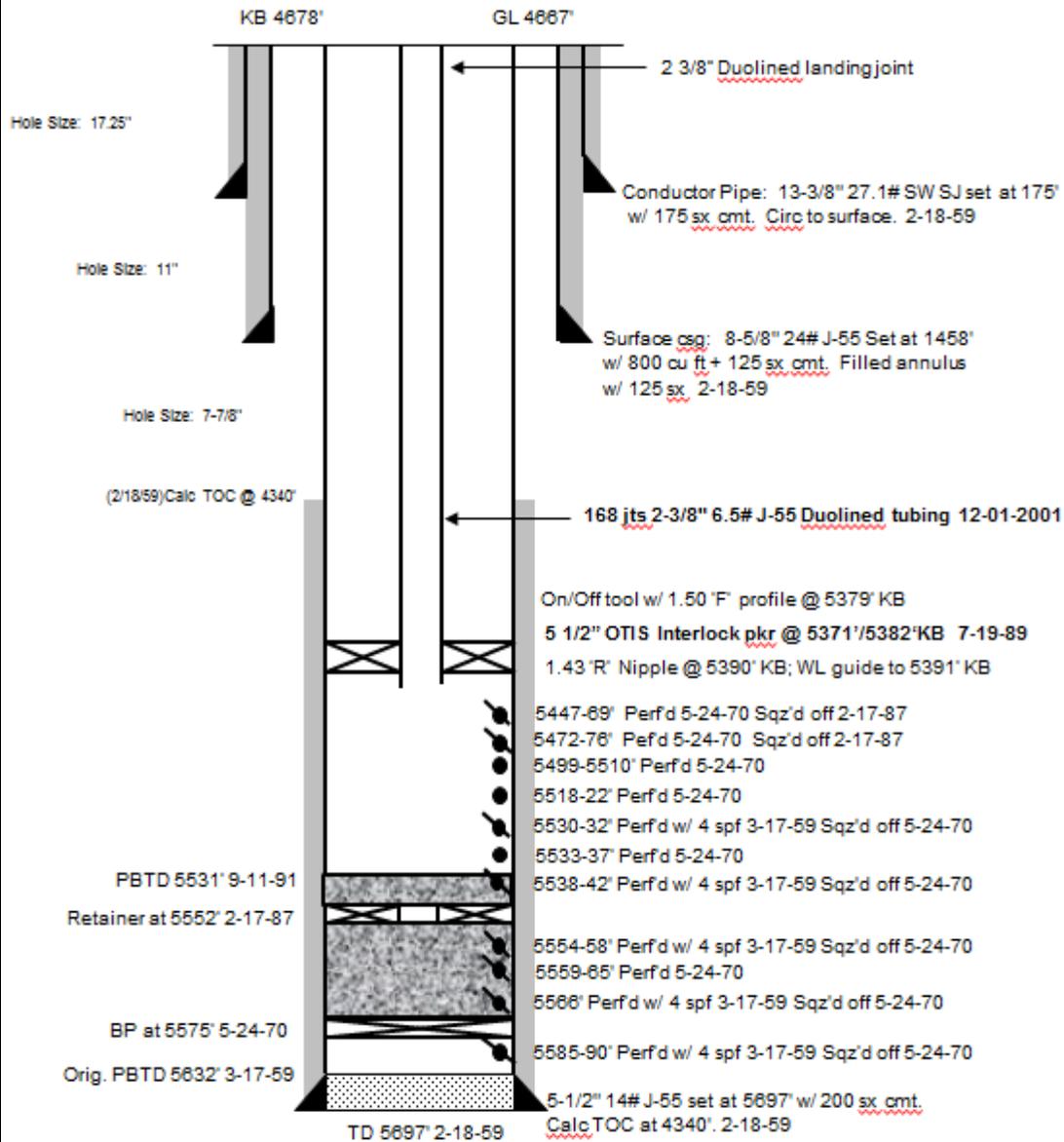
SAN JUAN COUNTY, UTAH

API 43-037-15720

PRISM 0043036

**INJECTOR**

Capacities:	bbl/ft	gal/ft	cuft/ft
2-7/8" 6.5#	.00579	.2431	.0325
5-1/2" 14#	.0244	1.0249	.1370
2-7/8x5.5"14#	.0164	.6877	.0919



K.B. Duhon 11-20-02 R.U. # 16W-12