

- Scout Report sent out
- Noted in the NID File
- Location map pinned
- Approval or Disapproval Letter
- Date Completed, P. & A, or operations suspended \_\_\_\_\_
- Pin changed on location map
- Affidavit and Record of A & P
- Water Shut-Off Test
- Gas-Oil Ratio Test
- Well Log Filed

**FILE NOTATIONS**

Entered in NID File	<input checked="" type="checkbox"/>	Checked by Chief	<input checked="" type="checkbox"/>
Entered On S R Sheet	<input checked="" type="checkbox"/>	Copy NID to Field Office	<input checked="" type="checkbox"/>
Location Map Pinned	<input checked="" type="checkbox"/>	Approval Letter	<input checked="" type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>	Disapproval Letter	<input type="checkbox"/>
IWR for State or Fee Land	<input type="checkbox"/>		

411 McF  
GOR 432

**COMPLETION DATA:**

Date Well Completed 8-20-58 Location Inspected \_\_\_\_\_  
 CW  VW \_\_\_\_\_ TA \_\_\_\_\_ Bond returned \_\_\_\_\_  
 GW \_\_\_\_\_ CS \_\_\_\_\_ PA \_\_\_\_\_ State of Fee Land \_\_\_\_\_

**LOGS FILED**

Driller's Log 10-10-58  
 Electric Logs (No. ) 2  
 E \_\_\_\_\_ I \_\_\_\_\_ EI  GR \_\_\_\_\_ GR-N  Micro \_\_\_\_\_

~~PHILLIPS PETROLEUM CO~~  
~~WELL OIL COMPANY~~ - WELL NO. RATHERFORD 24 - 13  
APR 43-137-15853  
 Sec. 13, T. 41 S, R. 23 E, San Juan County

RATHER  
-FORD  
13-24

11/5/58  
WSP  
11/5/58

P

MICRO

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: \* 4-4-63 Subsequent Report of acidization  
 9-13-68 Subsequent Report of plug back & acidize  
 Applied for Water Injection 6-18-86

(Name of well) W 4 E 4

DATE FILED 7-8-58 Nav 14-20-

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN 603-247

DRILLING APPROVED: 7-8-58 Nav. Tract 2

SPUDDED IN: 7-24-58

COMPLETED: 8-20-58 \* 3-24-63

INITIAL PRODUCTION: 948 BOPD 48155 to 411 MCF \* 111 BOPD 350 MCF/D

GRAVITY A. P. I. 41°

GOR: 433:1

PRODUCING ZONES: 5317-5489 \* 5282'-88'

**040726**

TOTAL DEPTH: 5214'

WELL ELEVATION: 4576.7 M 4587 KB

DATE ABANDONED:

FIELD OR DISTRICT: ~~Ratherford~~ Aneth

COUNTY: San Juan

WELL NO.: RATHERFORD 24-13 (Ratherford 13-24) ADI 43-137-15853

LOCATION: 660 FT. FROM (X) (S) LINE, 3300 FT. FROM (E) (X) LINE. SE SW QUARTER - QUARTER SEC. 13

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
------	------	------	----------	------	------	------	----------

<u>41 S</u>	<u>23 E</u>	<u>13</u>	<u>PHILLIPS Oil Co.</u> <u>SHELL OIL COMPANY</u>				
-------------	-------------	-----------	---	--	--	--	--

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: \* 4-4-63 Subsequent Report of acidizing  
 9-13-68 Subsequent Report of plug back & acidize  
 Applied for Water Injection 6-18-84

(Name of Well Log E.4 Electric Logs)

DATE FILED 7-8-58  
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN 14-20-603-247  
 DRILLING APPROVED: 7-8-58  
 SPUDDED IN: 7-24-58  
 COMPLETED: 8-20-58 \* 3-24-63  
 INITIAL PRODUCTION: 948 BOPD 48/64" Ch 411 MCF \* 111 BOPD 350 MCF/D  
 GRAVITY A. P. I. 41°  
 GOR: 433:1  
 PRODUCING ZONES: 5317-5489 \* 5282'-98';  
 TOTAL DEPTH: 5489  
 WELL ELEVATION: 4572.2 OR 4587 KB  
 DATE ABANDONED:  
 FIELD OR DISTRICT: ~~Rutherford~~ Aneth  
 COUNTY: San Juan  
 WELL NO. RATHERFORD 24-13 (Rutherford 13-24) ADI 43-137-15853  
 LOCATION: 660 FT. FROM (W) (S) LINE, 3300 FT. FROM (E) (N) LINE. SE SW QUARTER - QUARTER SEC. 13

040726

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
			PHILLIPS <i>Oil Co.</i>				

## GEOLOGIC TOPS:

QUATERNARY	Star Point	Sinbad	Brazer
Recent	Wahweap	PERMIAN	Pilot shale
Alluvium	Masuk	Kaibab	Madison
Lake beds	Colorado	Coconino	Leadville
Pleistocene	Mancos	Cutler 2224	Redwall
Lake beds	Upper	Hoskinnini	DEVONIAN
TERTIARY	Middle	DeChelly	Upper
Pliocene	Lower	White Rim	Middle
Humboldt	Emery	Organ Rock	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 4296	Lynch
Wasatch	Curtis	Upper	Bowman
Colton	Entrade	Lower	Tapeats
Flagstaff	Moab tongue	Molas	Ophir
Almy	Carmel	Paradox 5298	Tintic
Paleocene	Glen Canyon Gr.	A	PRE-CAMBRIAN
Current Creek	Navajo	B	
North Horn	Kayento	C	
CRETACEOUS	Wingate	Manning Canyon	
Montana	TRIASSIC	Mississippian	
Mesaverde	Chinle	Chainman shale	
Price River	Shinarump 050	Humbug	
Blackhawk	Moenkapi 22	Joana limestone	

(SUBMIT IN TRIPLICATE)

Indian Agency Hawajo

	<b>13</b>		
	<b>1</b>		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal Lands  
Lease No. 14-00-603-247

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

July 3, 19 58

**North Desert Creek**  
Well No. 24-13 is located 660 ft. from S line and 3300 ft. from E line of sec. 13  
SW 13 415 23 E S13M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Rutherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface of the ground~~ is 4572.2. (Approx. Ground)

DETAILS OF WORK

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

Proposed Work:

1. Drill 12-1/4" hole to 1275'±.
2. Run and cement 8-5/8" casing 1275'± with 700 sacks treated cement.
3. Drill 7-7/8" hole to 5313'±.
4. Drill 4-3/4" hole to 5485'±. Run logs as needed.
5. Cement 5-1/2" casing at 5313'± with 200 sacks regular cement.
6. Clean out with 4-3/4" bit to T. D. (5485'±)
7. Run 2-7/8" tubing with formation packer as directed.
8. Acidize formation with 500 gal. mud acid, 2000 gal. regular and 4000 gal. retarded acid in two intervals.
9. Sub well into production and establish rate.

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

Company Shell Oil Company

Address 101 S. Behrend Ave.

Farmington, New Mexico

By W. O. Miller  
106  
Title Division Exploitation Engineer

R 23E

TRACT 78

T  
4  
S

13

E. 1/4 Cor.

24-13

3300'

660'

Fd. BC. at  
Sec. Cor.

1" X 2" R.P.'s set 212.13' SE, NE, SW, and NW from location.  
 1" X 2" hub set at location 660' N. and 3300' W of SE Cor. Sec 13, T4IS,  
 R23E, S.L.M.  
 T.B.M on R.P. 1" X 2" Hub N-45°W 212.13' from Location  
 Ungraded ground Elev. at location 4572.2

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

*Garth Behar*  
 Registered Land Surveyor  
 Certificate No. 2158

DRAWN BY

TRACED BY

CHECKED BY

SHELL OIL COMPANY

DATE

SCALE

FILE NO. Z-10000

LOCATION OF NORTH DESERT CREEK 24-13  
 SEC. 13 TRACT 78, T4IS, R23E, SLM, San Juan Co. Utah

15

July 8, 1958

Shell Oil Company  
101 South Behrend  
Farmington, New Mexico

Attention: W. C. Miller or Division Exploitation Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Rutherford (North Desert Creek) 24 -13, which is to be located 660 feet from the north line and 3300 feet from the east line of Section 13, Township 41 South, Range 23 East, SL2M, 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. FREIGHT  
SECRETARY

CHP:cn

cc: Phil McGrath  
USGS, Farmington,  
New Mexico

13

**SHELL OIL COMPANY**

North Desert Creek  
24-13

WELL NO.

Ratherford

**DRILLING REPORT**

FOR PERIOD ENDING

13

(FIELD)

(SECTION OR LEASE)

San Juan, Utah

8-16-58

(COUNTY)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 660'N and 3300'W of SE Corner, Section 13, T41S, R23E, SLBM, San Juan County, Utah</p> <p><u>Elevations:</u> DF 4586.1' GR 4576.5' KB 4587.3'</p>
7-24 to 7-28	0	1294	<p><u>Spudded 7:00 P.M. 7-24-58.</u> Cemented 13 3/8" conductor pipe at 82' with 50 sacks cement. Twisted at 1004' off leaving 11 drill collars and 2 singles in hole. Recovered on 2nd run with overshot. Ran and cemented (1277') 8 5/8", 24#, J-55 casing at 1287' with 200 sacks 1:1 Pozmix followed by 200 sacks cement all treated with 2% calcium chloride. Welded 8 5/8" casing to 13 3/8" conductor pipe, pumped 250 sacks 1:1 Pozmix between pipe, cement settled back, re-cemented with 15 sacks. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi. O.K.</p>
7-29 to 8-1	1294	3190	<p><u>Drilled 1896'.</u> Repaired clutch shaft, 7-29-58. Twisted off at 2935' recovered 9 drill collars and 11 stands of drill pipe with socket. Ran magnet, recovered bit cones.</p>
8-2 to 8-13	3190	5396	<p><u>Drilled 2206.</u> Began drilling 4 3/4" hole at 5324'.</p>
8-14	5396	5489	<p><u>Drilled 93'.</u> Ran Induction Electrical Survey, Gamma Ray-Neutron Log, attempted to run microlog - would not go in reduced hole at 5324'.</p>
8-14	5489	TD	<p>Ran and cemented (5307') 5 1/2", 14# J-55 casing at 5317' with 200 sacks cement, final pressure 1500 psi.</p>
8-16			<p>Made up tubing, cleaned out to 5489'. Displaced mud with water. Released rig 4:00 P.M. 8-16-58</p>

Checked BOP daily  
Mud Summary  
wt 9.7-10 #/gal.  
vis 35-46 sec.  
WL 9.6-30 cc  
FC 2-3/32

Contractor: Moran Bros. Inc.  
Drillers: T. M. Ash  
H. A. Sheppard

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
17 1/4	0	82	13 3/8"	82'
12 1/4	82	1294	8 5/8"	1287'
7 7/8	1294	5324	5 1/2"	5317'
4 3/4	5324	5489		

DRILL PIPE SIZES

Ratherford

(FIELD)

DRILLING REPORT

FOR PERIOD ENDING

13

(SECTION OR LEASE)

San Juan, Utah

(COUNTY)

8-16-58

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
8-19	5489	TD	Ran tubing to 5487' with perforations 5472-5476'. Washed formation with 500 gal. mud acid-vacuum in 20 minutes, after 1 hour reversed acid to pits and displaced water with oil. Injected 1000 gal. XFW acid and 5000 gal. Jel X-100 acid, overflushed with 120 bbls. oil. Maximum pressure 2300 psi. Minimum pressure-vacuum. Injection rate 7.1 bbls/min.
8-20			Swabbed and flowed 157 bbls. oil and 43 bbls. acid water in 5 hours. On a 1 hour test flowed 74 bbls. oil and 6 bbls. water on 64/64" choke, TP 120, CP 0. Turned to tank battery 15 hour test flowed 543 bbls. oil and 13 bbls. water, 48/64" choke.

INITIAL PRODUCTION

Flowing 948 B/D gross, 948 B/D clean, 48/64" choke, cut 0%, Gas 411 MCF/D, GOR 432, TP 260, CP 540, Completed 8-20-58.

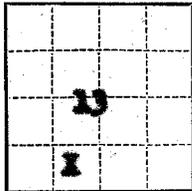
CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
				
DRILL PIPE SIZES				

W. A. Kennedy

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-247

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

August 7, 1958

**North Desert Creek**

Well No. 24-13 is located 660 ft. from SW line and 3300 ft. from E line of sec. 13

SW 13

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

11S

(Twp.)

23E

(Range)

S1E1

(Meridian)

Ratherford

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation of the ~~corner~~ top of casing is 572 ft. (approx. ground)

DETAILS OF WORK

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

Spudded 7:00 P.M. 7-24-58

7-24-28-58 Cemented 13 3/8" conductor casing at 82' with 50 sacks cement. Ran and cemented 8 5/8", 24#, J-55 casing at 1267' with 200 sacks pozmix followed by 200 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Welded 8 5/8" casing to 13 3/8" conductor pipe. Pumped in 250 sacks pozmix and 15 sacks cement. Pressure tested casing and BOP with 700 psi. O.K.

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

Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

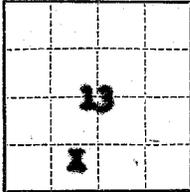
Original signed by  
B. W. SHEPARD

By B. W. Shepard

Title Exploitation Engineer

(SUBMIT IN TRIPPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-247

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

August 21, 19 58

**North Desert Creek**  
Well No. 24-13 is located 660 ft. from N line and 3100 ft. from E line of sec. 13  
SW 13 41S 23E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Rutherford** **San Juan** **Utah**  
(Field) (County or Subdivision) (State or Territory)

**Kelly Bushing**  
The elevation of the ~~formation~~ above sea level is 4587 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)

- 8-15-58 Ran and cemented 5 1/2", 14# casing at 5317' with 200 sacks cement.
- 8-16-58 Made up tubing, cleaned out to 5489'. Displaced mud with water. Released rig.
- 8-19-58 Ran tubing to 5487'. Acidized open hole interval 5317 to 5489' with 500 gal. mud acid, 1000 gal. regular acid and 5000 gal. retarded acid overflushed with 120 bbls. oil. Maximum pressure 2300 psi., minimum pressure-vacuum. Injection rate 7.1 bbls./min.
- 8-20-58 Swabbed and flowed to sump for approx. 6 hours. Turned to tank battery.

INITIAL PRODUCTION

Flowing, 948 B/D gross, 948 B/D clean, 48/64" choke, cut 0, gas 411 MCF/D, GOR 432, TP 260, GP 540. Completed 8-20-58

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

Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

Original signed by  
B. W. SHEPARD

By \_\_\_\_\_

**B. W. Shepard**

Title Exploitation Engineer

10



FOLD MARK

8 5/8"	1287	500 Pozmix + 200	Displacement	-	-
5 1/2"	5317	200	Displacement	-	-

**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 5489 feet, and from - feet to - feet  
 Cable tools were used from - feet to - feet, and from - feet to - feet

**DATES**

August 25, 1958 Put to producing August 20, 1958

The production for the first 24 hours was 948 barrels of fluid of which 100% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé— Approx. 41° API

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

**EMPLOYEES** Moran Bros., Inc.

H. A. Sheppard, Driller T. M. Ash, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
2050	2122	72	Shinarump
2122	2224	102	Moenkopi
2224	4296	2072	Cutter
4296	5298	1002	Hermosa
5298	-	-	Paradox

[OVER]

18-43004-4

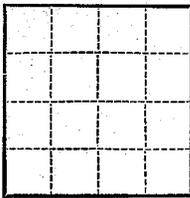
*Copy H.R.C.*  
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-247



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Cortez, Colorado March 19, 1963

Rutherford Unit (Formerly Shell Oil Co. North Desert Creek 24-13)  
Well No. 13-24 is located 660 ft. from S line and 1500 ft. from W line of sec. 13

SW/4 Sec. 13 41S 23E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Greater Aneth San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of ~~the bench mark above sea level~~ is 4978 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)

Run tubing, run Western Company Depth Control Log (Gamma Ray and Collar Log), perforate lower Ismay zone from 5282-88' and acidize with 1500 gallons regular 15% acid. Run tubing and rods and place on production to produce Ismay zone perforations from 5282-88' and Desert Creek Zone open hole from 5318-5476'.

Present Production: Flowing 104 BO, 0 water, 344 MCF Gas in 24 hours.

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

Company PHILLIPS PETROLEUM COMPANY

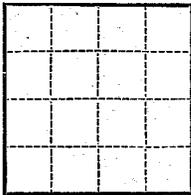
Address P. O. Drawer 1150  
Cortez, Colorado

By C. M. Boles  
C. M. Boles

Title District Superintendent

Copy H.R.C.  
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-247

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>
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 April 4, 1963  
Rutherford Unit (Formerly Shell Oil Co. North Desert Creek 24-13)

Well No. 13-24 is located 660 ft. from 13E line and 3300 ft. from E line of sec. 13

SW/4 Sec. 13 (4 Sec. and Sec. No.)      41S (Twp.)      25E (Range)      13E (Meridian)  
Greater Aneth (Field)      San Juan (County or Subdivision)      Utah (State or Territory)

The elevation of the ~~top of the casing~~ is 4,572 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)

Pulled tubing, ran Correlation log, perforated Lower Ismay zone 5282-5288' with 4 holes per foot. Set retrievable Bridge Plug and Packer and acidised perforations 5282-5288' with 1500 gallons 15% regular acid. Pulled bridge plug and packer, ran tubing with pumping equipment, ran rods and pump, hung well on, put to producing with Desert Creek and lower Ismay zones of Paradox commingled down hole. Completed 3-24-63.  
Previous Production: Greater Aneth, Desert Creek Zone of Paradox: 104 BO, 344 MCF Gas, 0 BW, flowing.  
Present Production: Greater Aneth, Desert Creek & Lower Ismay zone of Paradox: 111 BO, 350 MCF gas, 0 BW, pumping.

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

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150

Cortez, Colorado

By [Signature]  
C. M. Boles

Title District Superintendent

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRI.  
(Other instructio.  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

SW-1-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

13-24

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

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

13-419-238 SW/4

12. COUNTY OR PARISH 13. STATE

San Juan Utah

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

1. OIL WELL  GAS WELL  OTHER

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

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

**660' FSL, 3300' FEL, Sec. 13  
SW/4 Sec. 13**

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4572**

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

(Other) \_\_\_\_\_  
(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.)\*

**Plug back Zone II from 5489TD to 5385' with 74' of sand and a 30' Hydromite Plug, acidize Zone I, 5317-85 (38' of pay) with 9000 gallons 15% in 3 stages, return to production.**

**PREVIOUS PRODUCTION: Shut Down. Last Well Test 11/1/67: 0 BOPD, 510 BWPD, 3 MCFGPD.**

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

SIGNED *C. M. Boles*  
**C. M. Boles**

TITLE **District Superintendent**

DATE **2-20-68**

(This space for Federal or State office use)

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

**Distribution:**

**Orig. & 22 cc: USGS, Farmington, N.M.**

**2 cc: UOAGCC, SW, Utah**

\*See Instructions on Reverse Side

**1 cc: Bville**

**1 cc: Denver**

**1 cc: File**

UN. STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPL.  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

13-24

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

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

13-41S-23E SLBM

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Phillips Petroleum Co.

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

660' FSL, 3300' FEL, Sec. 13  
SW/4 Sec. 13

14. PERMIT NO.

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

4572

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

NOTICE OF INTENTION TO:

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

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other) Plug back and acidize

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

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

On 3-5-68 ran wireline to 5454', plugged back open hole to 5378' with sand and hydromite after several attempts. Started pumping, pump stuck twice. 4-22-68 ran tubing with bit, found bridge at 5310', cleaned out and drilled hydromite to 5437'. Ran tubing with Lynes bridge plug, set bridge plug element at 5388', ran hydromite plug to 5375' PBDT. Tested well on pump from 4-25-68 to 8-1-68, making 100% water, approximately 90 BWP. On 8-2-68 set packer at 5300', acidized Desert Creek Zone I open hole 5317-75' with 9000 gallons 15% acid in three equal stages separated by 150 gallons crude oil with 300# mothball block. Swabbed well, pulled packer, resumed pumping from Desert Creek Zone I open hole 5317-75' and Ismay perforations 5282-88'. Making 100% water, approximately 190 BWP.

PREVIOUS PRODUCTION (Greater Aneth Field - Desert Creek Zone I & II and Lower Ismay):

Well shut down since 11-13-67.

Note: Last well test prior to shut down was 0 BO, 3 MCF Gas, 510 BW in 24 hours pumping 11-1-67.

PRESENT PRODUCTION: (Greater Aneth - Desert Creek Zone I and Lower Ismay):

Trace oil, 3 MCF GPD, 189 BWP.

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

SIGNED C. M. Boles  
C. M. Boles

TITLE District Superintendent

DATE 9-11-68

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

Distribution: Orig. & 2 cc: USGS, Farmington, N.M.

2 cc: Utah O&GCC, Salt Lake City, Utah

1 cc: Bville \*See Instructions on Reverse Side  
1 cc: Denver  
1 cc: Superior  
1 cc: File

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-247</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Company</b>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>
3. ADDRESS OF OPERATOR <b>P. O. Box 2920, Casper, Wyoming 82602</b>			7. UNIT AGREEMENT NAME <b>SW-1-4192</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>660' FSL &amp; 3300' FSL, SW/4 Sec. 13</b>			8. FARM OR LEASE NAME <b>Rutherford Unit</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4587' FKB</b>		9. WELL NO. <b>13-24</b>
			10. FIELD AND POOL, OR WILDCAT <b>Greater Aneth</b>
			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 13-T41S-R23E</b>
			12. COUNTY OR PARISH <b>San Juan</b>
			13. STATE <b>Utah</b>

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input 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) <b>Repaired Casing Leak</b> <input checked="" type="checkbox"/>	

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

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

**SEE ATTACHED FOR COMPLETE DETAILS**

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

SIGNED A. E. Grump TITLE Area Superintendent DATE February 25, 1977

A. T. Grump  
(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

- 3-USGS, Farmington, New Mexico
- 2-Utah O&G CC, Salt Lake City, Utah
- 1-Superior Oil Co., Conroe, TX
- 1-File

\*See Instructions on Reverse Side

1-B'Ville  
 1-Denver  
 1-Hughes 1-Hudson  
 1-File

FIN REPORT INDIVIDUAL WELL STAT

Lease Ratherford Unit Well No. 13-24 Authorization No. AFE P-9529  
 Summary of Work Performed:

January 19, 1976 - Repaired casing leak and returned to producing oil well.

		AVERAGE DAILY PRODUCTION		
Field and Formation		Oil	Gas	Water
Before Work	Greater Aneth - Paradox, Ismay & Desert Creek Zone I	21	NR	323
After Work	" "	14	NR	512
Before Work				
After Work				

DATE P.T.D.

DAILY REPORT OF WORK PERFORMED

1976  
 January  
 22

RATHERFORD UNIT NO. 13-24 PTD 5375. /INITIAL REPORT/ GIH W/CSG MILL AND CSG SCRAPER. 1/20/76 - RU R AND R WS UNIT 1/19/76. PLD RODS AND PMP. ATTEMPTED TO PULL TBG, STUCK. 1/21/76 - SD, WO MCCULLOUGH. 1/22/76 - RU MCCULLOUGH. RAN FREE POINT INDICATOR. TBG FREE AT 5005 FT. PERF TBG W/2 HOLES AT 3007 FT TO EQUALIZE PRESSURES. CHEMICAL CUT TBG AT 5002 FT. COOH. LEFT IH - 6 JTS AND 5 FT PIECE ABOVE ANCHOR, 3 JTS AND SEATING NIPPLE BELOW ANCHOR. TOTAL 286 FT. START IH W/4-7/8" LONG TAPER MILL AND CSG SCRAPER. SDON. AFE P-9529 ISSUED TO REPAIR CSG LEAK. LOCATION - 660 FT FSL AND 3300 FT FEL, SEC. 13-T41S-R23E, SAN JUAN CO., UTAH. SUB AREA CODE 626. ELEV. 4587 RKB. LAST TEST - 21 BOPD, 323 BWPD. DATE LAST PRODUCED 1/12/76..

23

RATHERFORD UNIT NO. 13-24 PTD 5375. PREP TO SQZ CSG LEAK. FIN GIH W/MILL AND CSG SCRAPER TO 4600 FT, NO OBSTRUCTIONS. COOH. PU RBP. WIH. SET BP AT 4510 FT. COOH. PU RETRIEVAMATIC PKR. WIH TO 2000 FT. SDON..

24-26

RATHERFORD UNIT NO. 13-24 PTD 5375. PREP TO GIH TO DRILL CMT. 1/24/76 FIN GIH W/PKR TO 4015 FT. SET PKR AND TSTD BP TO 1500 LB, OK. START UP HOLE W/PKR AND LOCATED LEAK BETWEEN 3734 FT AND 3766 FT. SPOT SAND ON BP. SET PKR AT 3516 FT. PMPD IN 1-1/2 BPM AT 1500 LB. ANNULUS WOULD NOT HOLD PRESSURE, INDICATING SECOND HOLE IN CSG. HOWCO PMPD 50 SX CLASS "B" CMT W/.8 PERCENT CFR-2. DID NOT SQZ. PRESS DROPPED 100 LB IN 8 MIN. SHUT WELL IN W/CMT AT 3684 FT. 1/25/76 - PRESS UP ON TBG TO 1500 LB, OK. LOCATED SECOND HOLE IN CSG BETWEEN 2098 FT AND 2129 FT. PMPD 3-1/2 BW. PRESS INCR TO 1750 LB. RESET PKR. PMPD 2-1/2 BW, UNABLE TO PUMP IN ADDITIONAL WTR. PRESS FELL OFF 75 LB IN 5 MIN. COOH. WIH W/OPEN ENDED TBG TO 2130 FT. SPOTTED 25 SX CLASS "B" W/.8 PERCENT CFR-2. RAISED TBG TO 1700 FT. PRESS UP ON CSG TO 1250 LB. DISPLD 3 BBL CMT INTO HOLE. ESTIMATE TOC 2030 FT. 1/26/76 - SI OVER SUNDAY..

27

RATHERFORD UNIT NO. 13-24 PTD 5375. PREP TO TEST CSG. COOH W/TBG. PU 4-3/4" BIT AND CSG SCRAPER. WIH. TAGGED TOC AT 1993 FT. DRLD 133 FT OF CMT TO 2126 FT, OUT OF CMT. REC PIECES OF RED FORMATION IN LAST 3 FT OF CMT. SDON..

February 25, 1977  
 Date Prepared

District Approval

DAILY REPORT DETAILED

LEASE Ratherford Unit

WELL NO. 13-24

SHEET NO. 2

DATE TOTAL DEPTH NATURE OF WORK PERFORMED

1976  
Jan.  
28

RATHERFORD UNIT NO. 13-24 PTD 5375. PREP TO RUN MCCULLOUGH CSG IN-SPECTION CALIPER LOG. OPENED CSG, WELL FLWG 1/4" STREAM OF WTR. TRIED TO PUMP IN, PRESS UP TO 1000 LB W/1/2 BW PMPD. PRESS WOULD FALL FROM 1000-600 LB IN 5-6 MIN. UNABLE TO GET PUMP IN RATE. LOWERED TBG TO 2744 FT. SWBD WELL DN TO 1200 FT. SD 1 HR. UNABLE TO DETECT CHANGE IN FL. SWBD WELL DN TO 2200 FT. RAISED TBG TO 2066 FT. MADE SWAB RUN, NO FLUID IN TBG. SDON..

29

RATHERFORD UNIT NO. 13-24 PTD 5375. PREP TO SQZ CSG LEAK. WIH W/SWAB FOUND 70 FT OF WTR HAD ENTERED OVERNIGHT IN TBG. COOH W/TBG. RU MCCULLOUGH, RAN CSG INSPECTION-CALIPER LOG FROM 3570-1200 FT. LOCATED HOLE IN CSG AT 2120 FT. WIH W/TBG TO 2126 FT. SPOTTED 300 GAL 15 PERCENT HCL. PMPD 4-1/2 BW. PRESS INCR TO 1700 LB. SI. PRESS DECR TO 1400 LB IN 10 MIN. COOH W/TRG. PERFORATED 3 HOLES FROM 2120-2121 FT. FILLED CSG AND PMPD 2 BW. PRESS INCR TO 1700 LB. SI. PRESS DECR TO 1400 LB IN 10 MIN. SDON..

30

RATHERFORD UNIT NO. 13-24 PTD 5375. PREP TO DRILL CMT. WIH W/TBG TO 2300 FT. SWBD WELL DN TO REMOVE ACID. RAISED TBG TO 2126 FT. MIXED AND SPOTTED 20 SX CLASS "B" CMT W/.8 PERCENT CFR-2. COOH W/TBG. DISPLD 15 SX CMT THRU HOLE AT 2120 FT IN 1-1/2 HRS. MP 1750 LB. PRESS DECR TO 1400 LB IN 30 MIN AND 1250 LB IN 3-1/2 HRS. SION..

Jan. 31,  
Feb. 1 +  
2

RATHERFORD UNIT NO. 13-24 PTD 5375. PREP TO GIH W/PKR AND TEST LOWER SQZ. 1/31/76 - WIH W/BIT AND SCRAPER. DRLD CMT FROM 2086-2137 FT. PRESS UP ON CSG TO 1000 LB. PRESS DECR TO 700 LB IN 15 MIN AND 525 LB IN 30 MIN. WIH W/BIT TO 3555 FT. CO SHALE FROM 3555-3590 FT. DRLD CMT FROM 3590-3689 FT. RAISED BIT TO 2000 FT. SDON. 2/1/76 - WIH W/BIT TO 3689 FT. NO FILL ON BTM. DRLD CMT FROM 3689-3746 FT. COOH W/BIT. WIH W/BAKER LOK-SET PKR TO 2400 FT. ATTEMPTED TO PRESS UP BELOW PKR, PKR WOULD NOT HOLD. COOH W/TBG AND PKR. SDON. 2/2/76 - SD OVER SUNDAY..

3

RATHERFORD UNIT NO. 13-24 PTD 5375. PREP TO RETRIEVE BP AND LOAD HOLE WIH W/BAKER TENSION PKR. SET PKR AT 2400 FT. TSTD CSG INTERVAL 2400-4510 FT TO 1000 LB, OK. COOH W/PKR. WIH W/TBG AND BAKER RETRIEVING TOOL. LATCHED ONTO BP AT 4510 FT, NO FILL. RELEASED BP. CSG WENT ON VAC. RAISED AND SET BP AT 2400 FT. RAN SWAB, NO FLUID IN CSG. SDON..

4

RATHERFORD UNIT NO. 13-24 PTD 5375. WASHING OVER STUCK TBG. MADE 1 RU W/SWAB, NO FLUID. LATCHED ONTO BP, NO FILL. COOH W/BP. WIH W/3 JTS WASH PIPE, JARS, 8 - 3-1/2" DRILL COLLARS AND TBG. TOOK 100 BW TO LOAD HOLE. WASHED OVER TBG 5002-5008 FT. RAISED WASHPIPE TO 2000 FT. SDON..

5

RATHERFORD UNIT NO. 13-24 PTD 5375. GIH W/WASHPIPE. WASHED OVER STUCK TBG FROM 5008-5088 FT, REC RED SHALE. COOH. ADDED 4 JTS WASHPIPE TO STRING. START IH W/WASHPIPE. SDON..

6

RATHERFORD UNIT NO. 13-24 PTD 5375. PREP TO RUN OS. FIN GIH W/WASH PIPE. WASHED OVER FISH FROM 5088 FT TO TBG ANCHOR AT 5189 FT, REC RED SHALE. COOH W/TBG AND WASHPIPE..

DAILY REPORT DETAILED

LEASE Ratherford Unit

WELL NO. 13-24

SHEET NO. 3

DATE  
NATURE OF WORK PERFORMED

TOTAL  
DEPTH

1976  
Feb.

RATHERFORD UNIT NO. 13-24 PTD 5375. PREP TO RUN RODS AND PUMP. 2/7/76-  
WIH W/OS AND JARS. CAUGHT FISH, UNABLE TO RELEASE ANCHOR CATCHER.  
SHEARED ANCHOR CATCHER, JARRED LOOSE, COOH, REC ALL OF FISH. WIH W/4-3/4  
INCH BIT. TAGGED TOP OF FILL AT 5315 FT. SDON. 2/8/76 - REVERSED OUT  
FILL FROM 5315-5346 FT. HIT APPARENT TOP OF HYDROMITE AT 5346 FT. COOH  
W/TBG. LD 4-3/4" BIT. WIH W/TBG AND ANCHOR CATCHER. TBG SET AT 5282 FT.  
ANCHOR CATCHER AT 5190 FT. 2/9/76 - SD OVER SUNDAY..

7-9

RATHERFORD UNIT NO. 13-24 PTD 5375. PMPG ON TEST, NO GAUGE. RAN RODS  
AND PUMP. RELEASED R AND R WS UNIT AT 2:00 PM, 2/9/76..

10

RATHERFORD UNIT NO. 13-24 PTD 5375. PMPD 24 HRS, REC 450 BLW, NO OIL.  
FL 4960 FT. 20-67" SPM. 2" PUMP. C.P. 10 LB..

11

RATHERFORD UNIT NO. 13-24 PTD 5375. CONT. TSTG. PMPD 24 HRS, REC 458  
BLW, NO OIL. FL 4960 FT. 792 BLW TO REC..

12

RATHERFORD UNIT NO. 13-24 PTD 5375. CONT. TSTG. PMPD 24 HRS, REC 458  
BLW, NO OIL. 342 BLW TO REC..

13

RATHERFORD UNIT NO. 13-24 PTD 5375. CONT. TSTG. 2/14/76 - PMPD 24 HRS,  
REC 8 BO, 342 BLW, 84 BNW. FL 5084 FT. 20-67" SPM. ALL LOAD REC. 2/15/76  
PMPD 24 HRS, REC 10 BO, 442 BW. 2/16/76 - PMPD 24 HRS, REC 14 BO, 486 BW  
2/17/76 - PMPD 24 HRS, REC 14 BO, 512 BW. 20-67" SPM..

14-17

RATHERFORD UNIT NO. 13-24 PTD 5375. /FINAL REPORT SUMMARY/ RETURNED TO  
PRODUCING OIL WELL FROM ISWAY AND DESERT CREEK ZONE 1 5282-5375 FT,  
PARADOX FORMATION, GREATER ANETH FIELD, WITH A FINAL TEST OF 14 BOPD,  
512 BOPD. /FINAL REPORT./..

18

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 96-004192 ✓
2. NAME OF OPERATOR Phillips Oil Company		6. IF INDIAN ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME Ratherford Unit ✓
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface See Attached		8. FARM OR LEASE NAME
14. PERMIT NO. See Attached		9. WELL NO.
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT N/A
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Attached
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

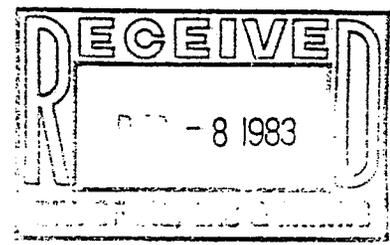
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>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

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

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

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.

13-24  
100



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

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

SIGNED A. E. Stuart TITLE Area Manager DATE 12/6/83

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

<u>WELL NO.</u>	<u>WELL LOCATION</u>	<u>API NO.</u>	<u>STATUS</u>
29-34	SW SE Sec. 29-T41S-R24E	43-037-15340	Act.
30-23	NE SW Sec. 30-T41S-R24E	43-037-15341	SI
30-32	SW NE Sec. 30-T41S-R24E	43-037-15342	SI
32-41	NE NE Sec. 32-T41S-R24E	43-037-15344	SI
-1-13	NW SW Sec. 1-T41S-R24E	43-037-15838	Act.
1-24	SE SW Sec. 1-T41S-R24E	43-037-15839	Act.
1-44	SE SE Sec. 1-T41S-R24E	43-037-15840	Act.
6-14	SW SW Sec. 6-T41S-R24E	43-037-15894	Act.
7-12	SW NW Sec. 7-T41S-R24E	43-037-15985	SI
7-14	SW SW Sec. 7-T41S-R24E	43-037-15986	SI
7-23	NE SW Sec. 7-T41S-R24E	43-037-15987	SI
7-32	SW NE Sec. 7-T41S-R24E	43-037-15988	SI
7-34	SW SE Sec. 7-T41S-R24E	43-037-15989	Act.
11-42	SE NE Sec. 11-T41S-R23E	43-037-15841	Act.
11-44	SE SE Sec. 11-T41S-R23E	43-037-15842	Act.
12-11	NW NW Sec. 12-T41S-R23E	43-037-15843	Act.
12-14	SW SW Sec. 12-T41S-R23E	43-037-15844	Act.
12-22	SE NW Sec. 12-T41S-R23E	43-037-15845	Act.
12-23	NE SW Sec. 12-T41S-R23E	43-037-15846	Act.
12-31	NW NE Sec. 12-T41S-R23E	43-037-15847	Act.
12-33	NW SE Sec. 12-T41S-R23E	43-037-15848	Act.
12-41	NE NE Sec. 12-T41S-R23E	43-037-15849	Act.
12-42	SE NE Sec. 12-T41S-R23E	43-037-15850	Act.
13-13	NW SW Sec. 13-T41S-R23E	43-037-15851	Act.
13-22	SE NW Sec. 13-T41S-R23E	43-037-15852	Act.
13-24	SE SW Sec. 13-T41S-R23E	43-037-15853	Act.
13-31	NW NE Sec. 13-T41S-R23E	43-037-15854	Act.
13-33	NW SE Sec. 13-T41S-R23E	43-037-15855	Act.
13-42	SE NE Sec. 13-T41S-R23E	43-037-15857	Act.
14-32	SW NE Sec. 14-T41S-R23E	43-037-15858	Act.
14-33	NW SE Sec. 14-T41S-R23E	43-037-15859	SI
14-42	SE NE Sec. 14-T41S-R23E	43-037-15860	Act.
24-11	NW NW Sec. 24-T41S-R23E	43-037-15861	SI
24-31	NW NE Sec. 24-T41S-R23E	43-037-15862	Act.
E11-14	SW SW Sec. 11-T41S-R24E	43-037-16167	Act.
3-12	SW NW Sec. 3-T41S-R24E	43-037-15620	Act.
3-14	SW SW Sec. 3-T41S-R24E	43-037-15124	Act.
3-23	NE SW Sec. 3-T41S-R24E	43-037-15125	SI
3-32	SW NE Sec. 3-T41S-R24E	43-037-15621	SI
3-44	SE SE Sec. 3-T41S-R24E	43-037-15031	Act.
4-14	SW SW Sec. 4-T41S-R24E	43-037-16163	Act.
4-22	SE NW Sec. 4-T41S-R24E	43-037-15622	SI
4-32	SW NE Sec. 4-T41S-R24E	43-037-15623	SI
4-34	SW SE Sec. 4-T41S-R24E	43-037-16164	Act.
4-42	SE NE Sec. 4-T41S-R24E	43-037-15624	SI
5-34	SW SE Sec. 5-T41S-R24E	43-037-15983	SI
8-12	SW NW Sec. 8-T41S-R24E	43-037-15991	Act.
8-14	SW SW Sec. 8-T41S-R24E	43-037-15992	Act.
8-21	NE NW Sec. 8-T41S-R24E	43-037-15993	Act.
8-23	NE SW Sec. 8-T41S-R24E	43-037-15994	Act.
8-32	SW NE Sec. 8-T41S-R24E	43-037-15995	SI

6. UNIT OPERATOR (Well operator)

Phillips Petroleum Company is hereby designated as Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties of Unit Operator for the development and production of Unitized Substances as herein provided.

Taken from the Rutherford Unit Agreement.  
Operator Name Change.



# Mobil Oil Corporation

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

May 14, 1986

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

Attn: R. J. Firth  
Associate Director

RECEIVED  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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

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

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

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

Very truly yours,



CNE/rd  
CNE8661

R. D. Baker  
Environmental Regulatory Manager



**PHILLIPS PETROLEUM COMPANY**

CASPER, WYOMING 82602  
BOX 2920

EXPLORATION AND PRODUCTION GROUP

June 9, 1986

RECEIVED  
JUN 12 1986

DIVISION OF  
OIL, GAS & MINING

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

Attn: Gil Hunt

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

Dear Mr. Hunt:

Enclosed are applications of conversions for twelve more injection wells in the Ratherford Unit. The well numbers are:

11-W44	13-W24	17-W34
12-W22	13-W42	18-W23
12-W31	17-W12	18-W32
12-W42	17-W23	18-W34

We appreciate the effort put forth in revising and streamlining the UIC program for enhanced recovery wells, the elimination of duplication makes permitting much easier.

The additional information required should not be a burden on the regulated industry. We have listed, on each well bore schematic, the logs on file for that well. We have also enclosed a copy of our letters to mineral lease operators and landowners in the area informing them of these proposed well conversions. The enclosed Attachment 6 is a supplement to the original informational package on the conversion program sent in February 1986. Please contact Renee Taylor at (307) 237-3791 with any questions.

Thank you again for your efforts to make this program more workable for all involved.

Sincerely,

PHILLIPS PETROLEUM COMPANY

*D. C. Gill*  
D. C. Gill  
Area Manager

RCT/fb (23)

Attach

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

Casing & Cementing Program  
Ratherford Unit

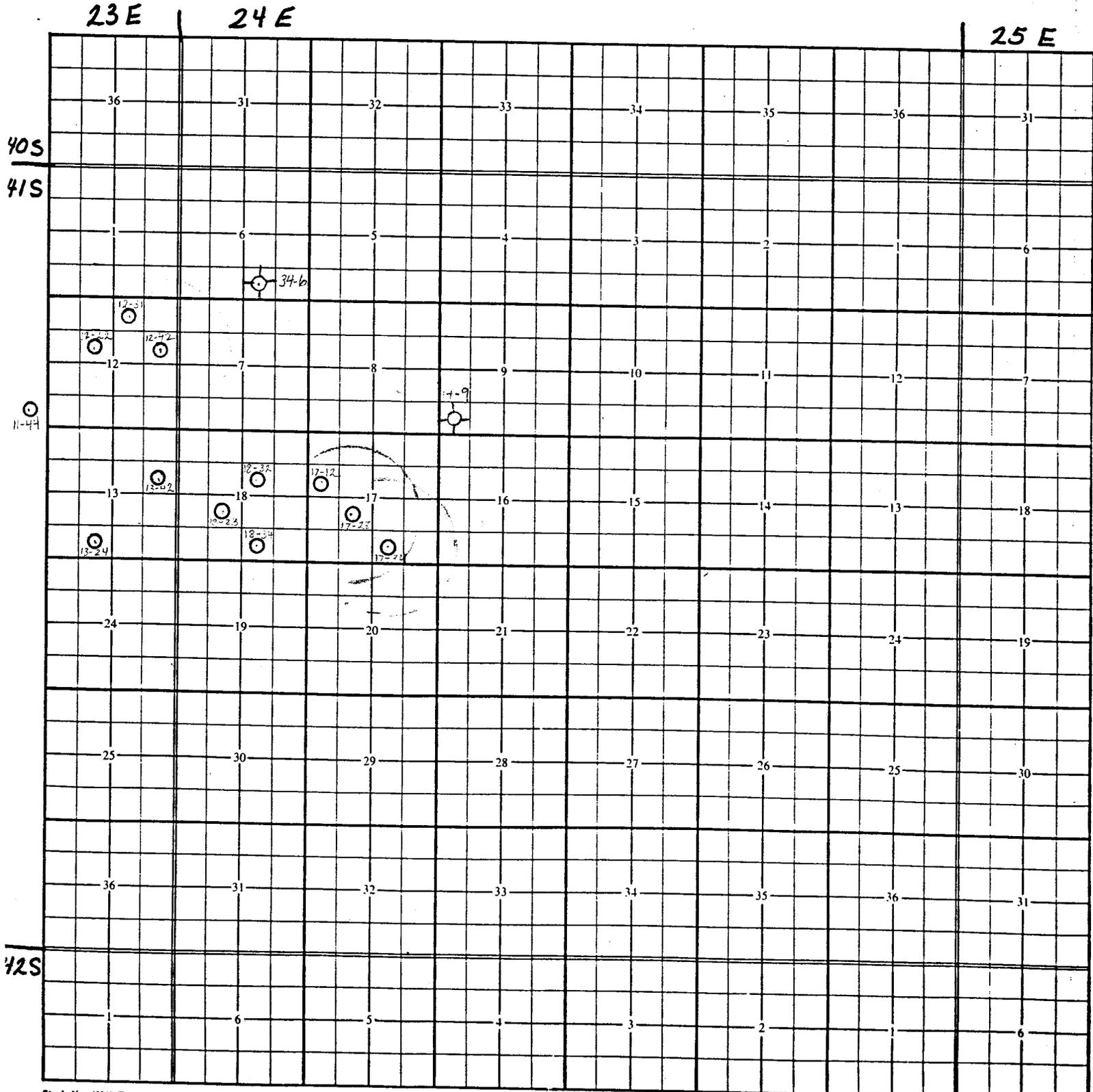
The casing and cementing program at the Ratherford Unit has been designed so that injected fluid or formation water will not be able to enter any fresh water strata. All wells have at least two strings of casing set at approximately 1600' and 5700' (TD). The majority of wells also have a string of casing set at approximately 140'. The following is a summary of the casing and cementing program:

<u>Casing Depth</u>	<u>Range of Casing Sizes</u>	<u>Range of Cement (sx)</u>
140'	20" - 13 5/8"	175 - 125
1600'	13 3/8" - 8 5/8"	800 - 200
5700'	8 5/8" - 5 1/2"	900 - 200

# TOWNSHIP PLAT

Owner PHILLIPS PETROLEUM Date 6/13/86

Township 41S Range 24E County SAN JUAN





P.O. Box 2920, Casper, Wyoming 82602

RECEIVED  
JUN 18 1986

June 10, 1986

DIVISION OF  
OIL, GAS & MINING

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

Re: Ratherford Unit  
Injection Well Conversions

Dear Sirs,

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

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

11-W44	13-W24	17-W34
12-W22	13-W42	18-W23
12-W31	17-W12	18-W32
12-W42	17-W23	18-W34

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

Sincerely,

D. C. Gill  
Area Manager

RCT/lc (17)

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

P.O. Box 2920, Casper, Wyoming 82602

June 10, 1986

Navajo Tribe  
Minerals Department  
P.O. Box 146  
Window Rock, AZ 86515

Re: Ratherford Unit  
Injection Well Conversions

Dear Sirs,

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

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12-W22	13-W42	18-W23
12-W31	17-W12	18-W32
12-W42	17-W23	18-W34

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

Sincerely,

D. C. Gill  
Area Manager

RCT/lt (17)

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

P.O. Box 2920, Casper, Wyoming 82602

June 10, 1986

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

Re: Ratherford Unit  
Injection Well Conversions

Dear Sirs,

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

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12-W31	17-W12	18-W32
12-W42	17-W23	18-W34

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

Sincerely,

D. C. Gill  
Area Manager

RCT/lt (17)

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



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

June 23, 1986

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

Gentlemen:

RE: Cause No. UIC-083

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 2nd day of July, 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".

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

June 23, 1986

San Juan Record  
Legal Advertising  
Box 879  
Monticello, Utah 84535

Gentlemen:

RE: Cause No. UIC-083

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It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 2nd day of July, 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-083

Publication was sent to the following:

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

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

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

Phillips Petroleum Company  
PO Box 2920  
Casper Wyoming 82602

Mobil Oil Corporation  
PO Box 5444  
Denver, Colorado 80217

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

Texaco, Incorporated  
PO Box 3360  
Casper, Wyoming 82602

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

San Juan Record  
Legal Advertising  
Box 879  
Monticello, Utah 84535

*Monty Poulson*  
June 23, 1986

APPLICATION FOR INJECTION WELL

Operator: Phillips Petroleum Company Telephone: (307)237-3791

Address: P. O. Box 2920

City: Casper State: Wyoming Zip: 82602

Well no.: 13W24 Field or Unit name: Rutherford Unit

Sec.: 13 Twp.: 41S Rng.: 23E County: San Juan Lease no. 14-20-603-247

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

Injection interval: from 5317' to 5375'

Maximum injection: rate 500 BHPD pressure 3000 psig

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

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

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

Signed: D.C. Gill Title: Area Manager Date: 6-9-86  
D.C. Gill

(This space for DOGM approval)

**RECEIVED**  
JUN 12 1986

DIVISION OF  
OIL, GAS & MINING

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

LOCATION: Sec 13-T41 S- R23 E (SESW)  
FIELD: GREATER ANETH SAN JUAN CO, UT  
RESERVOIR: Desert Creek Zone I

COMPLETION: Proposed  
PRESENT STATUS: Conversion to water injector

RKB 4587'  
GL 4576.5'

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

Well #: 13 W24

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

1287'

PERFORATIONS:  
open hole 5317'-5375'

PACKER: Baker Model AB  
Tension Type Pkr or Similar  
Set at approx. 5217'

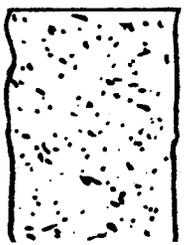
Logs on file: \_\_\_\_\_  
Gamma Ray  
SP  
Neutron Porosity  
Electrical / Resistivity  
Caliper

RECEIVED  
JUN 12 1986

DIVISION OF  
OIL, GAS & MINING

5317'

PBTD: 5375'  
OTD: 5489'



Phillips Petroleum Company

UIC CHECKLIST FOR APPLICATION APPROVAL

OPERATOR Phillips WELL NUMBER Rutherford 13-24  
SEC. 13 T. 41S R. 23E COUNTY San Juan  
API # 43-037-15853

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

- |                                  |     |                 |    |          |
|----------------------------------|-----|-----------------|----|----------|
| - Plat showing surface ownership | Yes | <u>Feb. 86*</u> | No | _____    |
| - Application forms complete     | Yes | <u>✓</u>        | No | _____    |
| - Schematic of well bore         | Yes | <u>✓</u>        | No | _____    |
| - Adequate geologic information  | Yes | <u>Feb. 86</u>  | No | _____    |
| - Rate and Pressure information  | Yes | <u>Feb. 86</u>  | No | _____    |
| - Fluid source                   | Yes | <u>Feb. 86</u>  | No | _____    |
| - Analysis of formation fluid    | Yes | <u>Feb. 86</u>  | No | _____    |
| - Analysis of injection fluid    | Yes | <u>Feb. 86</u>  | No | _____    |
| - USDW information               | Yes | <u>Feb. 86</u>  | No | _____    |
| - Mechanical integrity test      | Yes | _____           | No | <u>✓</u> |

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* Info submitted in Feb. 1986

Reveiwed by Dorothy Swindel / Dan Jarvis



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

July 18, 1986

072104

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

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-083

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

RATHERFORD UNIT - San Juan County, Utah

#11-44, Sec. 11, T41S, R23E	#17-12, Sec. 17, T41S, R24E
#12-22, Sec. 12, T41S, R23E	#17-23, Sec. 17, T41S, R24E
#12-31, Sec. 12, T41S, R23E	#17-34, Sec. 17, T41S, R24E
#12-42, Sec. 12, T41S, R23E	#18-23, Sec. 18, T41S, R24E
#13-24, Sec. 13, T41S, R23E	#18-32, Sec. 18, T41S, R24E
#13-42, Sec. 13, T41S, R23E	#18-34, Sec. 18, 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 application submitted.

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

Best regards,

*Dianne R. Nielson*  
Dianne R. Nielson  
Director

mfp  
7627U

# Affidavit of Publication

ADM-35B

STATE OF UTAH,  
County of Salt Lake

SS.

Sharon Payne

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH CAUSE NO. UIC-083

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 31, 12 AND 13, TOWNSHIP 41 SOUTH, RANGE 23 EAST; AND SECTIONS 17, AND 18, TOWNSHIP 41 SOUTH, RANGE 24 EAST, S.L.M. SAN JUAN COUNTY, UTAH.

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

Notice is hereby given that Phillips Petroleum Company, 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  
#11-44, Sec. 11, T41S, R23E  
#12-23, Sec. 12, T41S, R23E  
#12-31, Sec. 12, T41S, R23E  
#12-42, Sec. 12, T41S, R23E  
#13-24, Sec. 13, T41S, R23E  
#13-42, Sec. 13, T41S, R23E  
#17-12, Sec. 17, T41S, R24E  
#17-23, Sec. 17, T41S, R24E  
#17-34, Sec. 17, T41S, R24E  
#18-23, Sec. 18, T41S, R24E  
#18-32, Sec. 18, T41S, R24E  
#18-34, Sec. 18, T41S, R24E

Injection Interval: Desert Creek 5317 to 5712  
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 84100-1200.

DATED this 20th day of June, 1986.

STATE OF UTAH  
DIVISION OF OIL  
AND GAS

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-083

was published in said newspaper on

July 2, 1986

*Sharon Payne*

Legal Advertising Clerk

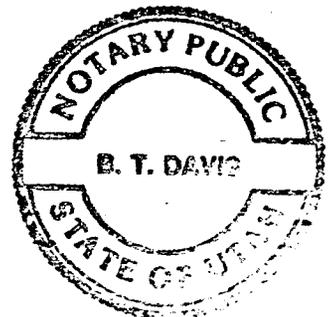
Subscribed and sworn to before me this 10th day of July A.D. 1986

*B. J. Davis*

Notary Public

My Commission Expires

March 01, 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 11, 12 AND 13, TOWNSHIP 41 SOUTH, RANGE 23 EAST, AND SECTIONS 17, AND 18, TOWNSHIP 41 SOUTH, RANGE 24 EAST, S.L.M. SAN JUAN COUNTY, UTAH

CAUSE NO. UIC-083

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

- #11-44, Sec. 11, T41S, R23E
#12-22, Sec. 12, T41S, R23E
#12-31, Sec. 12, T41S, R23E
#12-42, Sec. 12, T41S, R23E
#13-24, Sec. 13, T41S, R23E
#13-42, Sec. 13, T41S, R23E
#17-12, Sec. 17, T41S, R24E
#17-23, Sec. 17, T41S, R24E
#17-34, Sec. 17, T41S, R24E
#18-23, Sec. 18, T41S, R24E
#18-32, Sec. 18, T41S, R24E
#18-34, Sec. 18, T41S, R24E

INJECTION INTERVAL Desert

Creek 5317 to 5712
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 20th day of June, 1986.

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

s/ Marjorie L. Anderson Administrative Assistant

Published in The San Juan Record July 2, 1986.

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-083

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 July 2, 1986, and the last publication having been made on

Joyce A. Martin Publisher

Subscribed and sworn to before me this 2nd day of July

A.D. 1986

Ingrid K. Adams Notary Public residing at Monticello, Utah

My commission expires December 2, 1987

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-083  
OF PHILLIPS PETROLEUM COMPANY, :  
FOR ADMINISTRATIVE APPROVAL TO :  
INJECT FLUID INTO WELLS TO BE :  
CONVERTED TO ENHANCED RECOVERY :  
INJECTION WELLS LOCATED IN SEC- :  
TIONS 11, 12 AND 13, TOWNSHIP 41 :  
SOUTH, RANGE 23 EAST; AND SECTIONS :  
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

#11-44, Sec. 11, T41S, R23E	#17-12, Sec. 17, T41S, R24E
#12-22, Sec. 12, T41S, R23E	#17-23, Sec. 17, T41S, R24E
#12-31, Sec. 12, T41S, R23E	#17-34, Sec. 17, T41S, R24E
#12-42, Sec. 12, T41S, R23E	#18-23, Sec. 18, T41S, R24E
#13-24, Sec. 13, T41S, R23E	#18-32, Sec. 18, T41S, R24E
#13-42, Sec. 13, T41S, R23E	#18-34, Sec. 18, T41S, R24E

INJECTION INTERVAL: Desert Creek 5317' to 5712'  
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 20th day of June, 1986.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

  
MARJORIE L. ANDERSON  
Administrative Assistant

BUREAU OF LAND MANAGEMENT

14-20-603-247A

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.)

8. IF INDIAN, ALLOTTEE, OR TRIBE NAME

Navajo 112430

1. OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME SW-I-4192

2. NAME OF OPERATOR Phillips Petroleum Company

8. FARM OR LEASE NAME Ratherford Unit

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

9. WELL NO. 13-24

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.) At surface 660' FSL, 3300' FEL (SE SW)

10. FIELD AND POOL, OR WILDCAT Greater Aneth

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

14. PERMIT NO. 43-037-15853

15. ELEVATIONS (Show whether OF, ST, OR, etc.) 4587' 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  FRACTURE TREAT  SHOOT OR ACIDIZE  REPAIR WELL

PULL OR ALTER CASING  MULTIPLE COMPLETE  ABANDON\*  CHANGE PLANE

WATER SHUT-OFF  FRACTURE TREATMENT  SHOOTING OR ACIDIZING

REPAIRING WELL  ALTERING CASING  ABANDONMENT\*

(Other) Convert to Water Injection

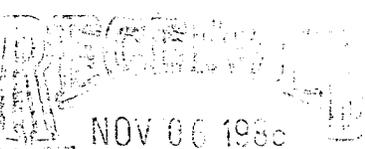
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

It is proposed to convert Ratherford Unit #13-24, an open hole completion, from a Zone I producing well to a Zone I water injection well. Upon conversion, the well will be acidized with approximately 8100 gallons of 28% HCl Acid and placed on injection.

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

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



APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING. DATE: 11/3/86 BY: [Signature] Approval letter 7/15/86

18. I hereby certify that the foregoing is true and correct. SIGNED: [Signature] D. C. Gill TITLE: Area Manager DATE: November 3, 1986

(This space for Federal or State office use) APPROVED BY: TITLE: DATE:

\*See Instructions on Reverse Side

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<p>1. <input type="checkbox"/> OIL WELL    <input type="checkbox"/> GAS WELL    <input type="checkbox"/> OTHER <b>Water Injector</b></p> <p>2. NAME OF OPERATOR <b>Phillips Petroleum Company</b></p> <p>3. ADDRESS OF OPERATOR <b>P.O. Box 2920, Casper, WY 82602</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>660' FSL, 3300' FEL    SE SW</b></p> <p><b>API# 43-037-15853</b></p> <p>14. PERMIT NO. _____</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-247A</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>NAVAJO</b></p> <p>7. UNIT ASSIGNMENT NAME <b>SW-I-4192</b></p> <p>8. FARM OR LEASE NAME <b>Ratherford Unit</b></p> <p>9. WELL NO. <b>13W24</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>Greater Aneth</b></p> <p>11. SEC., T., R., E., OR NE. AND SURVEY OR AREA <b>Sec. 13-T41S-R23E</b></p> <p>12. COUNTY OR PARISH    13. STATE <b>San Juan                      Utah</b></p>
<p>15. ELEVATIONS (Show whether SP, ST, OR, etc.) <b>4587' RKB</b></p>		

**RECEIVED**  
**AUG 4 1987**  
**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"/>	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 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) <b>Convert to water Injection</b>	<b>XX</b>

(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.)\*

Dec. 20, 1986 through Feb. 2, 1987

MI & RU 12/20/86. COOH w/rods & tbg. COOH to 5378'. Test for csg leaks, csg leaks 2120-2560' and 3164-3256'. COOH w/RBP & pkr. Prepare to sqz the Ismay 5285-88'. Unable to pump into. Delay the Ismay sqz until after repairing csg leaks. Set 30 sx cmt plug across csg leak @3164-3256'. WOC. Set 25 sx cmt plug across csg leak @ 2120-2560'. WOC. Drilled out cmt. Neither cement job held press. Spot 200 gal 28% HCL across 3164-3256' csg leak. Spot 25 sx cmt across lower csg leak. WOC. Clean out cmt and test leak, OK. Spot 200 gal 28% HCL on Ismay perfs. Spot 25 sx Class B cmt across Ismay perfs. WOC. Drill thru Ismay. Test sqz- test to 1000 psi. Sqz lost 150 psi in 10 min. Inject into Zone I. Appears Zone II is open. Sqz Ismay Zone I & II w/100 sx Class B cmt. WOC. Drill thru Zone I to 5346' Test Sqz -did not hold. Re-sqz Ismay, Zone I & II w/100 sx Class B cmt. WOC. Drill thru Zone I. Test sqz, OK. Perf Zone Open hole 5325-44'. Acidize Zone I open hole w/3000 gal 28% HCL. Swbd back load. GIH w/Duoline 2-7/8" tbg and wtr inj pkr. Set pkr at 5297'. RD 2/2/87. HU to injection 2/3/87.

Production Before	Shut down	4-BLM, Farmington, NM	1-Chieftain
Injection After	332 BWPD @ 1850 psi	2-Utah O&G CC, SLC, UT	1-Mobil Oil
		1-M. Williams, B <sup>1</sup> Ville	1-Texaco, Inc.
		1-J. Landrum, Denver	1-Chevron USA
		1-J. Reno, Cortez	1-File RC

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

SIGNED *D.C. Gill* TITLE Area Manager DATE 7/27/87  
(This space for Federal or State office use)

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

\*See instructions on Reverse Side

# DOWN HOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 13W24

Location SE SW Sec. 13

RKB Elev. 4587'

T415-R23E

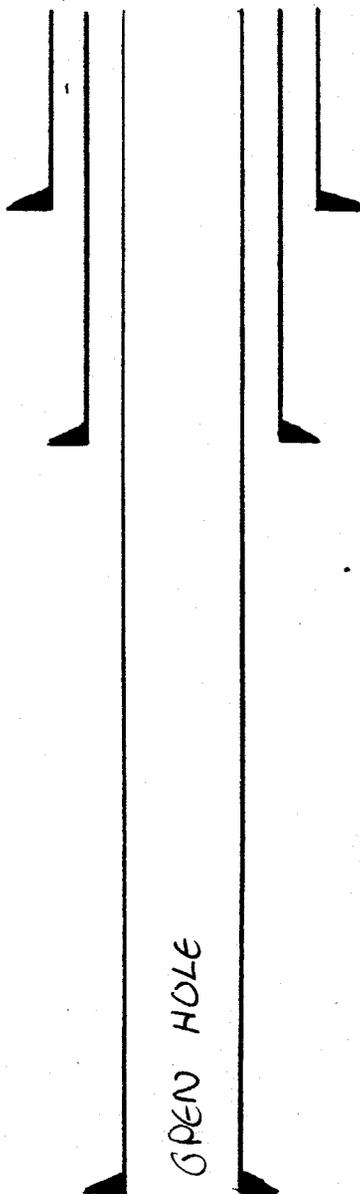
GL Elev. 4577'

Well Drld 8/25/58

RKB Above GL' 10'

Well converted to injector 2/2/87

42 SHEETS 5 SQUARE  
43 SHEETS 3 SQUARE  
44 SHEETS 3 SQUARE  
45 SHEETS 3 SQUARE



CONDUCTOR CSG 13<sup>3/8</sup> @ 82'

SURFACE CSG. 8<sup>5/8</sup> @ 1287'

TOC 4130' CALC.

Tubing 2<sup>7/8</sup> @ 5304' Duoline HTA

PACKER OTIS INTER-LOCK PKR  
NICKEL-COATED @ 5304'

PERFS 5325 - 5344  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PBTD 5346'

PRODUCTION CSG. 5<sup>1/2</sup> @ 5317'  
J-55, 14#

All Perfs Zone I unless noted

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

RECEIVED  
 MAR 20 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"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) <u>CHANGE OF OWNERSHIP</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

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

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

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

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

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

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

**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.)

<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input checked="" type="checkbox"/> <b>Water Injection</b>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> 14-20-603-247
<b>2. NAME OF OPERATOR</b> Phillips Petroleum Company		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> Navajo SW-I-4192
<b>3. ADDRESS OF OPERATOR</b> P. O. Box 1150, Cortez, Colorado 81321		<b>7. UNIT AGREEMENT NAME</b> Ratherford Unit
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  660' FSL & 3300' FEL, SE SW		<b>8. FARM OR LEASE NAME</b>  <b>9. WELL NO.</b> 13W24
<b>14. PERMIT NO.</b> API #43-037-15853	<b>15. ELEVATIONS</b> (Show whether DF, ST, OR, etc.) 4587' RKB	<b>10. FIELD AND POOL, OR WILDCAT</b> Greater Aneth <b>11. SEC., T., R., M., OR BLK. AND SURVEY OR ARRA</b> Sec. 13-T41S-R23E <b>12. COUNTY OR PARISH</b> <b>13. STATE</b> San Juan Utah

**RECEIVED**  
JUL 19 1989

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
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 ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>UIC Test</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

June 21, 1989 Through July 6, 1989

MI & RU Well Service Unit 6/21/89. ND wellhead, NU BOPs. Rel pkr. COOH w/169jts tbg. PU mill bit, drill collars, bumper sub, jars, intensifier & GIH on 2-7/8" workstring to 5300'. RU circ equipment and establish circ w/prod wtr. PU drlg equipment and cleaned & drld out well to 5385'. COOH w/tbg, BHA, & bit. Ran csg inspection log from 5375-1240'. GIH w/mill, BHA, & workstring. Drld to 5391', new PBT. GIH w/2-7/8" duoline inj tbg & packer, pressure test to 3000#. Set pkr at 5206'. Circ & load annulus w/55 gals unichem 606 & 130 bbls fresh wtr. ND BOPs, NU wellhead. Performed UIC test to 1100 psi. Annulus held 1050# at end of 30 min. RD & MO well service unit 7/6/89 and return well to injection.

Injection Before: 186 BWPD @ 2600 psi  
Injection After: 450 BWPD @ 0 psi

**Distribution:**

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

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

SIGNED S. H. Oden TITLE District Superintendent DATE July 14, 1989  
S. H. Oden

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE\*  
(Other instructions  
reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO  
14-20-603-247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

13W24

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. 13 T41S R23E

12. COUNTY OR PARISH

San Juan

13. STATE

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

RECEIVED  
SEP 13 1989

1. OIL WELL  GAS WELL  OTHER Water Injector

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 1150 Cortez, CO 81321

DIVISION OF  
OIL, GAS & MINING

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

660' FSL & 3300' FEL, SE SW

14. PERMIT NO.

43-037-15853

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

4587' RKB

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

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

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

It is proposed to perforate well at 1400', cement around intermediate casing shoe set at 1287' from 1400' to 1150' with 50 sx Class "G" cement. A 4" flush joint liner will then be installed from 5400' to surface. The liner will be cemented in two stages with 370 sx Class "G" cement. The well will then be drilled out to 5380', and perforated in the following intervals: 5326'-5342', 5351'-5358', and 5364'-5370'. The well will be stimulated with 4500 gal 28% HCl and returned to injection. Packer will be set at approximately 5300'. A UIC test will be performed prior to returning the well to 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.

Distribution:

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

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

SIGNED

*M. L. Menghini*  
M. L. Menghini

TITLE

District Superintendent

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

DATE  
Date: 9-15-89

By: *A. R. P.*

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

Federal Approval of this  
Action is Necessary

\*See Instructions on Reverse Side

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

SUBMIT IN TRIPLICATE\*  
(Other instructions  
verse side)

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

14

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water Injector</p> <p>2. NAME OF OPERATOR Phillips Petroleum Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 1150, Cortez, CO 81321</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with applicable requirements. See also space 17 below.) At surface: 660' FSL &amp; 3300' FEL, SE SW</p> <p>14. PERMIT NO. 43-037-15853</p>	<p>15. ELEVATIONS (Show whether of, to, or, etc.) 4587' RKB</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-247</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal</p> <p>7. UNIT AGREEMENT NAME SW-I-4192</p> <p>8. FARM OR LEASE NAME Ratherford Unit</p> <p>9. WELL NO. 13W24</p> <p>10. FIELD AND POOL, OR WILDCAT Greater Aneth</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13-T41S-R23E</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p>
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**RECEIVED**

OIL AND GAS

DIVISION OF OIL & GAS

DTS SLS

2-TAS

3. MICROFILM

4. FILE

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 CABING <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 CABING <input checked="" type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

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

November 15, 1989 Through December 13, 1989

MI & RU WSU 11/15/89. ND WH, NU BOPs. Rel pkr & COOH w/tbg. Milled to 5391'. COOH w/ tbg, BHA, & 4-3/4" bladed mill. GIH w/4-3/4" rock bit, BHA & tbg. Drld to 5415'. Circ well clean. COOH w/tbg, BHA & 4-3/4" rock bit. RIH w/4" HSC csg gun, perf 1350-51', 4 SPF. TIH w/5-1/2" RBP and 5-1/2" Mtn States pkr. Set RBP at 1516' and pkr at 1506'. Dropped 5 gal frac sand on RBP. Reset pkr at 1264'. Est circ. Mixed & pmpd 50 sks Class G cmt w/additives, displaced w/6.5 bbls wtr. Rel 5-1/2" pkr. COOH. TIH w/4-3/4" rock bit and drld hard cmt to 1354'. Ran bit to RBP and circ sand off RBP & COOH w/RBP. GIH w/bit and scraper to 5415'. RU equipment to run 4" flush jt liner. Set float shoe at 5410', float collars at 5367', and DV tool at 3021'. Cmt'd liner in 2 stages with 429 sx Class G cmt w/additives. TIH w/bit & scraper. Drld cmt & plug to 5381' (WL TD): RU loggers and ran CBL/VDL/CCL/GR logs. Tested csg liner to 2500 psi. Acidized w/150 gal 28% HCL w/additives. RIH w/strip gun & perforated 4 SPF, 180 deg phasing, 23 gr chgs, 5350-5356', 5364-5370', and 5328-5342'. TIH w/tbg, bit & csg scraper & drld 5' to 5386'. Circ well clean. Set pkr at 5288'. Tested lines to 4500 psi. Acidized w/2562 gals 28% HCL acid w/additives. GIH w/pkr w/on-off tool & 168 jts 2-3/8" Drisco lined tbg. Set pkr at 5268'. ND BOP, NU WH. Ran UIC test on annulus to 1,000 psi. OK. RD & MO well service unit 12/13/89 and returned well to injection.

Inj Rate Before Workover - 399 BWPD @200 psi  
Inj Rate After Workover - 361 BWPD @200 PSI

See Reverse Side for Distribution

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

SIGNED A. H. Oden TITLE District Superintendent DATE January 10, 1990  
S. H. Oden

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

**Instructions**

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

**PRIVACY ACT**

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

**AUTHORITY:** 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

**PRINCIPAL PURPOSE:** The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

**ROUTINE USES:** (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

**EFFECT OF NOT PROVIDING INFORMATION:** Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

**Distribution:**

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

<b>UIC</b>	
<b>GLH</b>	✓
<b>DJ</b>	
<b>BGH</b>	
<b>COMPUTER</b>	
<b>MICROFILM</b>	
<b>FILE</b>	

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

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

RECEIVED

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MINING

AMENDED REPORT  (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						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

USMA  
8-18-93

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

I hereby certify that this report is true and complete to the best of my knowledge. Date: 8/11/93  
Name and Signature: PAT KONKEL *Pat Konkell* Telephone Number: 505 599-3452

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

PAID

PAID

PAID

PAID

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN ALLOTTEE OR TRIBE NAME

NAVAJO TRIBAL

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

SEP 13 1993

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

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

FULL 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

# MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*L. B. Sheffield*  
 BRIAN BERRY  
~~M. P. N. A. MOBIL~~  
 POB 249031 1807A RENTWYR 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.  
L.B.*

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								
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. B. Sheffield

Telephone Number: 303 565 2212  
244 658 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 Rutherford 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

SEARCHED	INDEXED
SERIALIZED	FILED
JUL 26 1993	
FBI - FARMINGTON	
3	
2	
ALL COPY	
FILED	

Dear Mr. Cox:

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

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

Sincerely,

ACTING Area Director

Enclosure

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

RECEIVED  
BLM

DESIGNATION OF OPERATOR

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

JUN 27 11:44  
070 FARMINGTON, NM

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

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

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

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

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

Attached hereto as Exhibit "A"

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

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

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

Attached is the appropriate documentation relevant to this document.

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

Phillips Petroleum Company

June 17, 1993

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

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

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

[Signature]  
APPROVED BY

ACTING AREA DIRECTOR  
TITLE

7/9/93  
DATE

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

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

EXHIBIT "A"

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

EXHIBIT "C"

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

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

100% Indian Lands

TOTAL 12,909.74

100.000000

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

OIL, GAS & MINING

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

**CURRENT OPERATOR**  
Transfer approved by:  
Name Ed Hasely Company Phillips Petroleum Company  
Signature Ed Hasely Address 5525 HWY. 64  
Title Environmental Engineer Farmington, NM 87401  
Date October 22, 1993 Phone ( 505 ) 599-3460  
Comments:

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

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

Lisha Cordova (801) 538-5340

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

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

ORDER

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

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

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SLBM

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

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SLBM

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

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

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

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

#### FINDINGS OF FACT

The Commission finds that:

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

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

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

#### ORDER

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

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

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

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

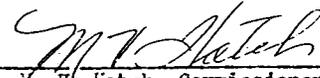
and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

Dated this 13th day of September, 1961.

THE OIL AND GAS CONSERVATION  
COMMISSION OF THE STATE OF UTAH

  
Edward W. Clyde, Commissioner presiding

  
C. R. Henderson, Chairman

  
M. V. Hatch, Commissioner

  
C. S. Thomson, Commissioner

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

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

Routing:

1	VLC/07-93
2	DEPT 58-1118
3	VLC
4	RJFV
5	DEPT
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: <u>**SEE ATTACHED**</u>	API: <u>43037-15853</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

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

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

FILMING

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

FILING

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

COMMENTS

931006 BIA/Btm Approved 7-9-93.

Commencement

MONTHLY REPORT OF ENHANCED RECOVERY PROJECT - PART 2 Page 2

MONTHLY MONITORING OF INJECTION WELLS

Well Name	Inj. Press.	Inj. Rate	Annulus Press.	Monthly Inj. Vol.
9W41-43-037-16399 ✓	SI	SI		SI
9W43-43-037-16400 ✓	SI	SI		SI
10W21-43-037-16401 ✓	SI	SI		SI
10W23-43-037-16402 ✓	1250	270		7548
10W43-43-037-16403 ✓	1225	24		6625
11W44-43-037-15842 ✓	2300	235		6581
12W13-43-037-16404 ✓	2350	114		3180
12W22-43-037-15845 ✓	300	618		17,313
43-037-31151 12W24 New 2/21/87 ✓	0	559		4469
12W31-43-037-15847 ✓	0	485		13,589
12W33-43-037-15848 ✓	150	447		12,503
12W42-43-037-15850 ✓	1700	532		14,887
12W44-43-037-16405 ✓	SI	SI		SI
43-037-31152 13W11 New 2/20/87 ✓	0	287		2584
43-037-15852 13W22 New 2/23/87	0	391		2349
43-037-15853 13W24 New 2/3/87	0	332		8638
43-037-16406 13W32 2/2/87	Converted to a producing oil well			
13W42-43-037-15857 ✓	1850	365		10,211
13W44-43-037-16407 ✓	2300	165		4609
43-037-15860 14W42 New 2/27/87	0	353		707
14W43-43-037-16410 ✓	SI	SI		SI
15W21-43-037-16411 ✓	1075	302		8446

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-DEC	9-FILE ✓
4-VLC	✓
5-RJF	✓
6-LWP	✓

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

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

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

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

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

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

Name: <b>** SEE ATTACHED **</b>	API: <u>037-15853</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

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

**ENTITY REVIEW**

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

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

- N/A* / *Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- \_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files.
- \_\_\_ 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_ . Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

- N/A* / *DTS* / *8/5/95* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

**FILMING**

- 1. All attachments to this form have been microfilmed. Date: October 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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U.S. ENVIRONMENTAL PROTECTION AGENCY

**NOTICE OF INSPECTION**

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

Date <i>7-29-97</i>	Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300 f et seg.).
Hour <i>8:50 AM</i>	

Reason For Inspection

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

*RU# 24W-42, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU# 24W-31, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU# 13W-44, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU# 13W-24, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU# 13W-31, WATER INJECTION WELL, M.I.T. - PASSED*  
*RU# 13W-42, WATER INJECTION WELL, M.I.T. - PASSED*

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

Receipt of this Notice of Inspection is hereby acknowledged.

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

6 AM 7 8 9 10 11 NOON

GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC MP-1500

METER *ITT BARTON*

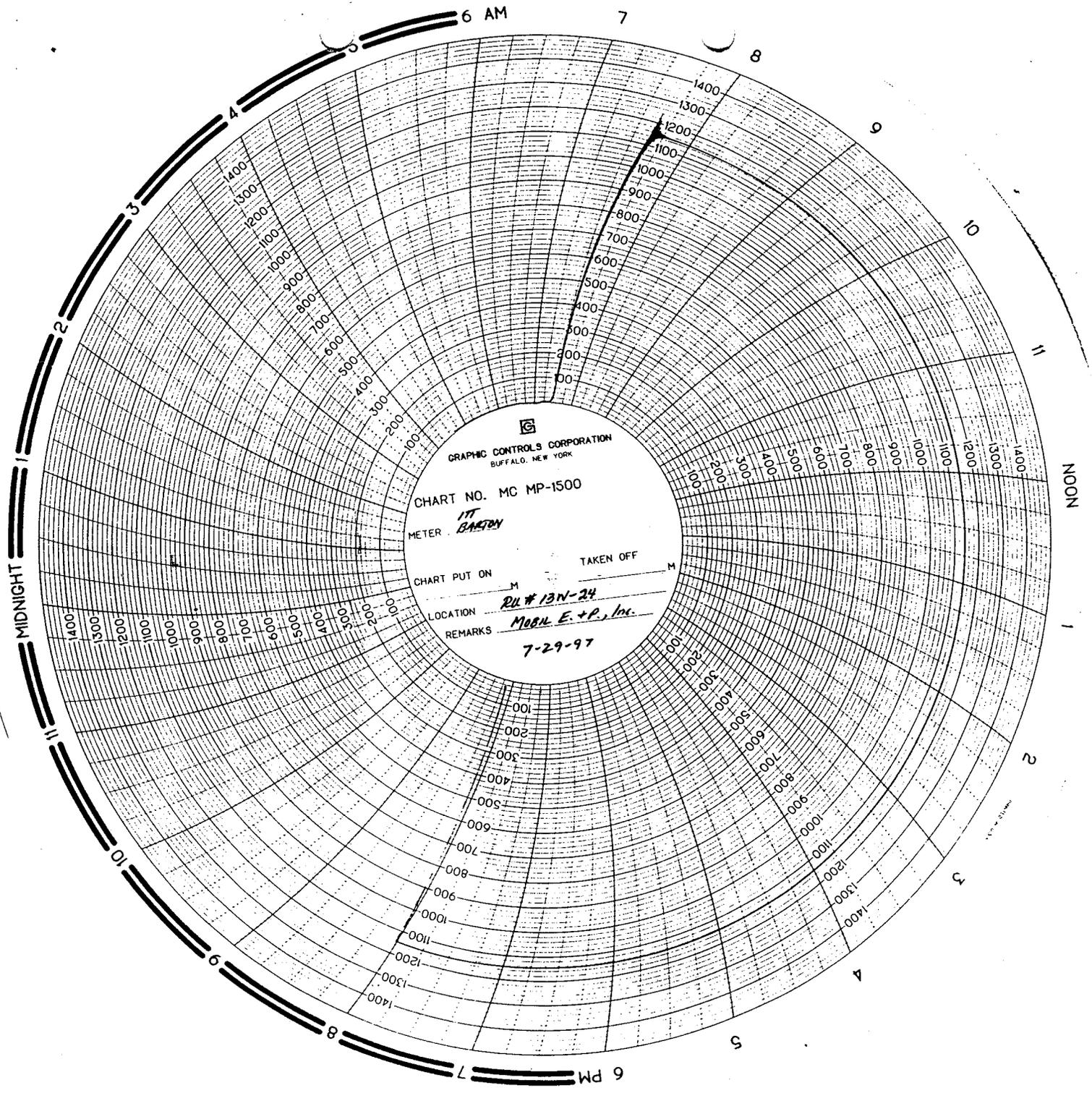
CHART PUT ON \_\_\_\_\_ TAKEN OFF \_\_\_\_\_

LOCATION *RU # 13N-24*

REMARKS *MOBIL E. + P., Inc.*  
*7-29-97*

MIDNIGHT

NOON



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

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 #13W24

9. API Well No.  
43-037-15853

10. Field and Pool, or Exploratory Area  
GREATER ANETH

11. County or Parish, State  
SAN JUAN, UTAH

**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)  
Sec. 13, T41S, R23E (SE/SW) 660' FSL & 3300' FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input 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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

MIT results and chart are attached.

**RECEIVED**

MAY 16 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 *Ellen M. Carroll*

Date 5/12/2000

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

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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

Office \_\_\_\_\_

Title 18 U.S.C. Section 1001 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 E. & P., INC. Date of Test 1-19-2000  
Well Name RATHERFORD UNIT WELL #13W-24 EPA Permit No. \_\_\_\_\_  
Location SE 1/4 SEC 13, T41S, R23E Tribal Lease No. 1420603 247A  
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
2:13 pm	1110	1100	2955
2:18 pm	1110	1100	2955
2:23 pm	1110	1100	2955
2:28 pm	1110	1100	2955
2:33 pm	1110	1100	2955
2:38 pm	1110	1100	2955
2:43 pm	1110	1100	2955

MAX. INJECTION PRESSURE: 3000 PSI  
MAX. ALLOWABLE PRESSURE CHANGE: 55.50 PSI (TEST PRESSURE X 0.05)

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

Active, Injecting  
Passed MIT

RECEIVED

MAY 16 2000

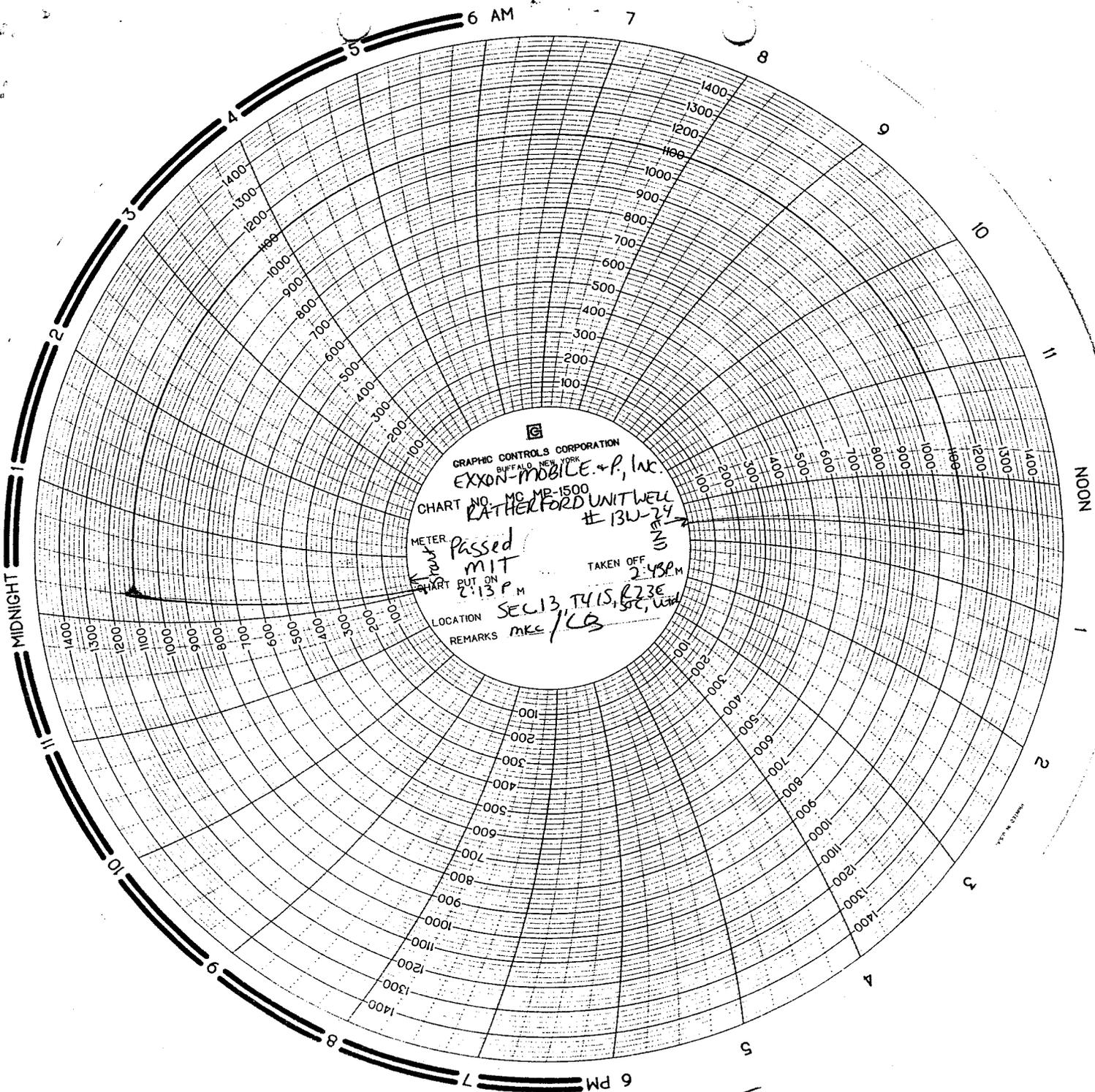
DIVISION OF  
OIL, GAS AND MINING

Carson Black  
COMPANY REPRESENTATIVE: (Print and Sign)

1/19/00  
DATE

MELVINA K. CLAH  
INSPECTOR: (Print and Sign)

1-19-2000  
DATE



**RECEIVED**

MAY 16 2000

DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
**See Attached Listing**

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.  
**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**

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

*43037-15853*

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

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

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

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

See Attached Listing of Wells.

**RECEIVED**

SEP 12 2000

DIVISION OF  
OIL, GAS AND MINING

COPY SENT TO OPERATOR  
Date: 9-18-00  
Initials: CHD

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

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

Title **Regulatory Sepcialist**

Signature *M. Del Pico*

Date **9/7/00**

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

Approved By

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

Title **ACCEPTED BY THE STATE**

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

DATE: 9-18-00

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

**Federal Approval Of This  
Action Is Necessary**

Attached Listing of Ratherford Wells

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

**RECEIVED**

SEP 12 2000

DIVISION OF  
OIL, GAS AND MINING

# SUB SURFACE MAINTENANCE PROGRAM

WELL NO : Ratherford 13W24 / API # 43-037-15853

SEC 13-T41S-R23E

San Juan County, Utah

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

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

## GENERAL PROCEDURES

- (1) Prior to MIRU PU, MIRU perf company and perforate tbg at approximately 5220'. 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.
- (3) Once well control has been re-confirmed, proceed to spear production csg hanger and relieve tension.
- (4) Proceed to cut off lower csg head and weld on the 5000psi high pressure replacement wellhead.
- (5) NU BOP/Hydril. Pick up pkr setting joint and left-handed thread and retrieve pkr (storm valve).
- (6) MIRU Campbell's tbg testers.
- (7) Release pkr and POOH hydrotesting each joint and LD first joint and SB remaining 160 2 3/8" Driscollined tbg and LD all joints that fail 3500psi test.  
*Warning!! – The pkr may not have to be released if a profile exists in the on/off tool and it has good mechanical integrity.*
- (8) LD 4" x 2 3/8" Baker Inverted Lok-Set pkr @5268'.
- (9) RDMO Campbell tbg testers.
- (10) PU redressed profile w/ pump out plug in place, 4" x 2 3/8" pkr, 4" x 2 3/8" on/off tool. RIH on 2 3/8" Driscollined tbg.
- (11) Set pkr @5268' +/- 10' and test to 1000psi.
- (12) Release on/off tool, circ. Pkr. Fluid (66bbls of freshwater w/ 28gal of Baker Petrolite CRW 132F) latch on to pkr.  
*Note – Volume based on a pkr setting depth of 5268' + 10 % of total volume.*

Continued ....

RECEIVED

SEP 12 2000

DIVISION OF  
OIL, GAS AND MINING

**(13) ND BOP/Hydril, NU WF**

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

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

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

**RECEIVED**

SEP 12 2000

DIVISION OF  
OIL, GAS AND MINING

**Rutherford 13-24  
WELL ID  
API #43-037-15853  
SEC 13-T41S-R23E**

- OVERALL OBJECTIVE:**
- (1) Kill well
  - (2) Pull equipment & switch out wellhead
  - (3) Add profile and return well to injection

Conductor csg - 13 3/8",  
82' w/50sx cmt. Circ to  
surface

Csg size - 8 5/8", 24#, J55  
@1287' w/ 400sx cmt circ to  
surface. Pumped 265sx down  
annulus

2 3/8" Drisc lined tbg

Surface Csg Shoe @ 1287'

Sqz holes @1350'. Sqz'd w/50sx of  
cmt

**EXISTING EQUIPMENT**

Run time - 12/13/89

- 168jts of 2 3/8" Drisco  
lined tbg
- on/off tool
- Baker inverted Lok Set  
pkr @ 5268'

**NEW EQUIPMENT INFO**

- New 5000psi wellhead
- 168jts of 2 3/8" Drisco  
lined tbg
- on/off tool w/ profile
- Baker inverted Lok Set  
pkr @ 5268'

4" DV tool @3021'. Cemented w/ 195sx

Sqz'd csg leaks in 5 1/2" csg @ 2098'-  
2560', 3164'-3256', 3734'-3766'

Liner - 4", 11.6#, FJ, J55,  
5410' w/ 234sx cmt

TOC - 4050'

Baker Inverted Lok-Set pkr @5268' w/ DH shutoff valve,  
on/off tool

5282'-5288' in 5 1/2" Sqz'd off

Production Csg 5 1/2", 14#, J55,  
5410' w/ 234sx cmt

5328'-5342'  
5350'-5356'  
5364'-5370'

New PBTD - 5386'  
Hydromite plug back to 5415'  
TD - 5489'

**RECEIVED**

SEP 12 2000

DIVISION OF  
OIL, GAS AND MINING

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

June 27, 2001

**ExxonMobil**  
*Production*

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

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

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

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

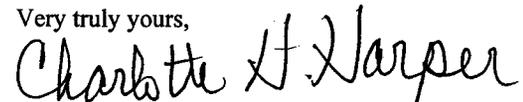
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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

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

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

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

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

RECEIVED

JUN 29 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS  
XXXXXXXXXXXXXXXXXXXX  
Navajo Area Office  
NAVAJO REGION

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

**AUG 30 2001**

IN REPLY REFER TO:

RRES/543

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

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

Dear Ms. Harper:

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

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

Sincerely,

DEMMI DENETSONE

Regional Realty Officer

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

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

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

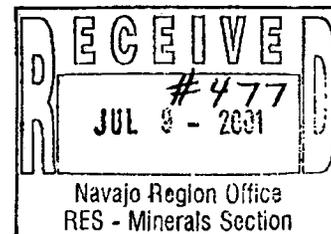
*File 7/12/2001*  
*GN*  
*543*  
*File*

June 27, 2001

**ExxonMobil**  
*Production*

Certified Mail  
Return Receipt Requested

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



Change of Name -  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

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

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

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

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

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

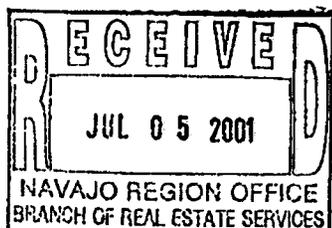
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



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

*NOTE: Check forwarded to Ella 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

1000 West Loop South, Suite 1900, Houston, Texas 77027-3301  
Telephone: (713) 297-4600 • Fax: (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 }  
County of Somerset } ss.

On this 10th day of May, 2001

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



Notary Public State of New Jersey  
No. 2231647

Karen A. Price  
Notary Public

Commission Expires Oct. 28, 2004

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.

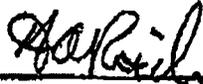
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06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:06 NO.133 03/04

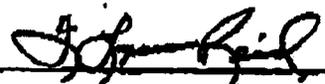
FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

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

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

STATE OF TEXAS            )  
COUNTY OF DALLAS        )

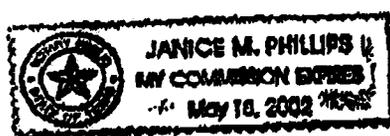
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

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

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

[SEAL]

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



CSC  
CSC

5184334741

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

**CSC 45**

**CERTIFICATE OF AMENDMENT**

**OF**

**MOBIL OIL CORPORATION**

Under Section 805 of the Business Corporation Law

*SAC*

*100 cc*

STATE OF NEW YORK  
DEPARTMENT OF STATE

Filed by: EXXONMOBIL CORPORATION  
(Name)

FILED JUN 01 2001

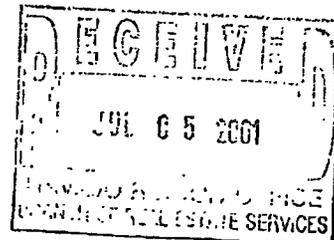
5959 Las Colinas Blvd.  
(Mailing address)

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

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

*ny Albany*

*Cust Ref # 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. Fleck", written over a horizontal line.

*Special Deputy Secretary of State*

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

<b>FROM:</b> (Old Operator):	<b>TO:</b> ( New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

**CA No. Unit: RATHERFORD**

**WELL(S)**

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

7. **Federal and Indian Units:**

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

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

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

9. **Underground Injection Control ("UIC")**

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

**NOTE: EPA ISSUES UIC PERMIT**

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/09/2002

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

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

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

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

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

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

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

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

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

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

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

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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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>14-20-603-247A</b>
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Navajo Tribal</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.			7. UNIT or CA AGREEMENT NAME: <b>Ratherford Unit</b>
			8. WELL NAME and NUMBER: <b>Ratherford Unit 13W24</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>	2. NAME OF OPERATOR: <b>ExxonMobil Oil Corporation</b>		9. API NUMBER: <b>4303715853</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>Greater Aneth</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>660' FSL &amp; 3300' FEL</b>			COUNTY: <b>San Juan</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SESW 13 41S 23E</b>			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>7/12/2004</u>	<input checked="" 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 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 checked="" type="checkbox"/> OTHER: <u>Upgrade wellhead</u>
	<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.

Upgrade wellhead to 5000 psi and equip it with a back-pressure valve receptacle. Upgrade tree to 5000 psi.

Bullhead acid job:

- RU Schlumberger acidizing equipment loaded with 1500 gal. inhibited 15% HCl acid. Continually roll tanks to keep inhibitor in solution.
- Install pressure gauges on both the tubing and casing and monitor pressure throughout the entire job.
- Stake and chain all treating lines and test to 4000 psi.
- Maximum surface treating pressure while pumping is 3000 psi.
- Pump at the maximum rate that is allowed by the maximum treating pressure.
- Stage acid and diverter as follows: After pumping 5 bbls acid, drop 5 lb siug of benzoic acid flakes. Repeat every 5 bbls until a total 25 lbs of benzoic acid flakes have been used. Pump away the remaining acid (+/-11 bbls acid remaining, 36 bbls total acid).
- Flush tubing and over-displace into the formation with +/- 100 bbls of 2% KCl water.
- Record ISIP and 5-10-15 minute shut-in pressures.
- Put well back on injection ASAP to continue over-displacing spent acid (less than 30 minutes after initial shut down).
- RDMO Schlumberger

NAME (PLEASE PRINT) <u>Tiffany Stebbins</u>	TITLE <u>Staff Office Assistant</u>	COPY SENT TO OPERATOR Date: <u>6-30-04</u> Initials: <u>CSH</u>
SIGNATURE <u>Tiffany Stebbins</u>	DATE <u>6/24/2004</u>	

(This space for State use only)

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

Date: 6/28/04  
By: [Signature] (See Instructions on Reverse Side)

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

**RECEIVED  
JUN 28 2004  
DIV. OF OIL, GAS & MINING**

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

**EFFECTIVE DATE OF TRANSFER:** 6/1/2006

**CURRENT OPERATOR**

Company: Exxon Mobil Oil Corporation Name: \_\_\_\_\_

Address: PO Box 4358 Signature: \_\_\_\_\_

city Houston state TX zip 77210-4358 Title: \_\_\_\_\_

Phone: (281) 654-1936 Date: \_\_\_\_\_

Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

**NEW OPERATOR**

Company: Resolute Natural Resources Company Name: Dwight E Mallory

Address: 1675 Broadway, Suite 1950 Signature: 

city Denver state CO zip 80202 Title: Regulatory Coordinator

Phone: (303) 534-4600 Date: 4/20/2006

Comments: A list of affected UIC wells is attached.  
 New bond numbers for these wells are:  
 BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by:  Approval Date: 6/12/06

Title: Field Operations Manager

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

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

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

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

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

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

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

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

(This space for State use only)

**APPROVED** 6127106  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

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

(5/2000)

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Ship Rock</b>
		7. UNIT or CA AGREEMENT NAME: <b>UTU68931A</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>	8. WELL NAME and NUMBER: <b>Ratherford</b>	
2. NAME OF OPERATOR: <b>ExxonMobil Oil Corporation</b> <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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**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