

FILE NOTATIONS

Entered in NID File ✓

Entered on IIR Sheet ✓

Location Maps Filled ✓

Card Indexed ✓

IWR for State or Fee Land _____

Checked by Chief _____

Copy NID to Field Office _____

Approval Letter ✓

Disapproval Letter _____

COMPLETION DATA:

Date Well Completed _____

Location Inspected _____

OW _____ WW _____ TA _____

Bond released _____

GW _____ OS _____ PA _____

State of Fee Land _____

LOGS FILED

Driller's Log _____

Electric Logs (No.) ✓

I _____ E-I ✓ GR _____ GR-N ✓ Micro _____

Lat _____ Mi-L ✓ Sonic _____ Others _____

awh

	2	
		X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
Navajo
Allottee **Tribal Lands**
Lease No. **14-20-60-246**

[Handwritten Signature]

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)

MAR 8 1960, 19

North Desert Creek
Well No. **44-2** is located **610** ft. from **S** line and **510** ft. from **E** line of sec. **2**

SE SE 2 (4 Sec. and Sec. No.) **41E** (Twp.) **23E** (Range) **S1E1M** (Meridian)
Rutherford (Field) **San Juan** (County or Subdivision) **Utah** (State or Territory)

The elevation of the derrick floor above sea level is **4427** 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)

Proposed Work:

1. Drill 12-1/4" hole to 1245'±.
2. Cement 8-5/8" casing at 1245'± with 400 sacks treated cement.
3. Drill 7-7/8" hole to 5260'. Run Electrical Survey and GRN logs.
4. Drill 4-3/4" hole to TD of 5440'.
5. Cement 5-1/2" casing at 5260' with 200 sacks construction cement.
6. Clean out.
7. Acidize formation with 500 gal. mud acid, 5000 gal. regular and 5000 gal. retarded acid.
8. Swab 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 **Post Office 158**

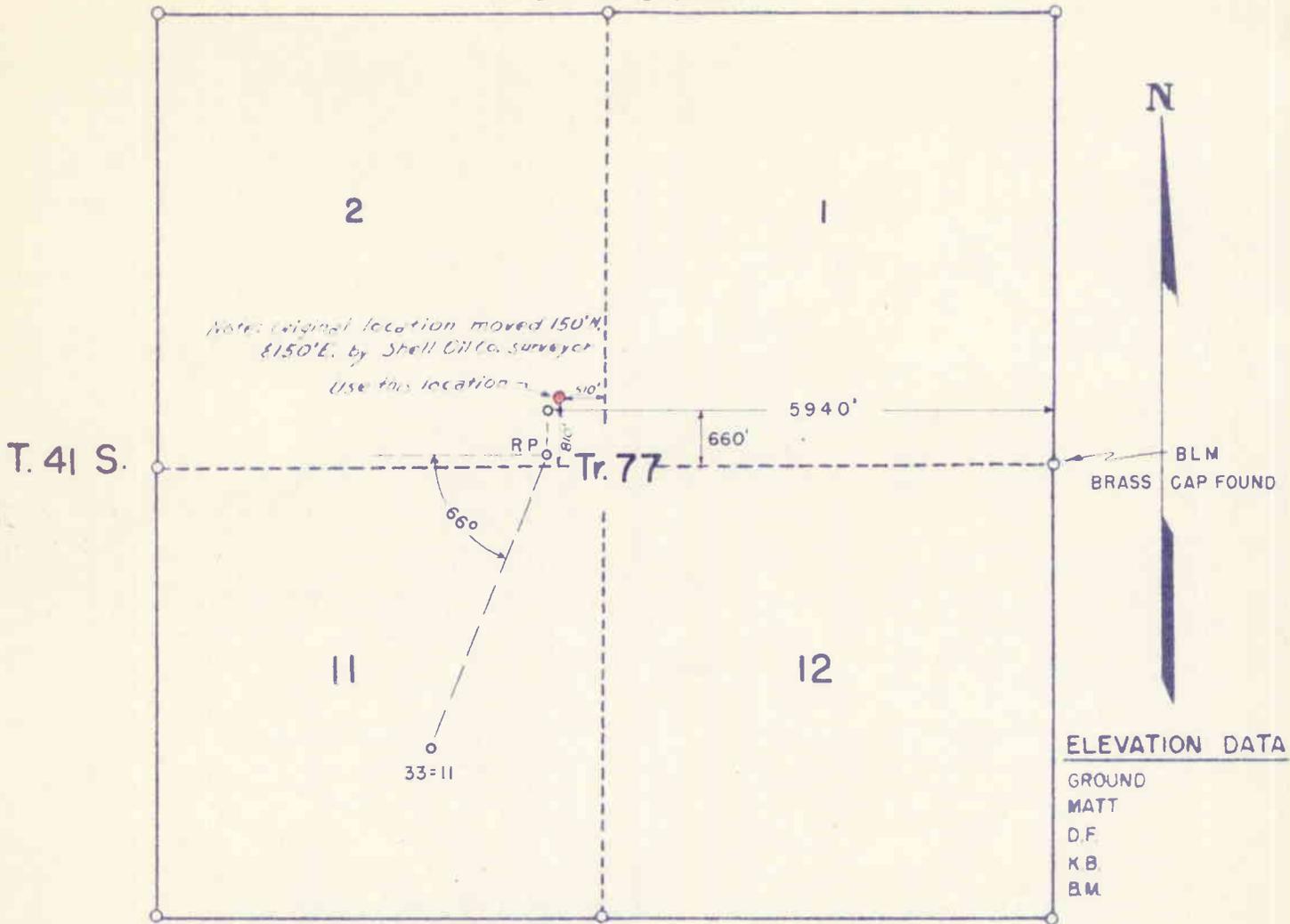
Farmington, New Mexico

Original signed by
B. W. SHEPARD

By **B. W. Shepard**

Title **Exploitation Engineer**

R. 23 E. S.L.M.



ELEVATION DATA

GROUND
MATT
D.F.
K.B.
B.M.

REFERENCE POINT DATUM-

1" x 2" STAKES SET AT 10' N, S, E, & W OF LOC

1" x 2" stake and 3' flag set at 433' W., 170' E., 300' N., and 554' S. of Loc. for RP's.

1" x 4' angle iron stake and 10' flag set at Loc., being 5940' W. and 660' N. of the SE Cor. of Sec. 1, T. 41 S., R. 23 E., SLM, also being 660' N. and 660' W. of the calculated position for the SE Cor. of Sec. 2, T. 41 S., R. 23 E., SLM.

1" x 2" hub and 3' flag bears 433' W. from Loc. for BM.

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

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



Drawn By: H. Williams	SHELL OIL COMPANY	Scale 1" = 2000'
Checked By: JAK		FILE NO. Z20-787
Date: 1/28/58		

LOCATION OF NORTH DESERT CREEK 44 - 2

SAN JUAN COUNTY, UTAH, SEC. 2, Tr. 77, T. 41 S., R. 23 E., SLM



SHELL OIL COMPANY

Post Office Box 158
Farmington, New Mexico

MAR 8 1960

A

State of Utah
Oil and Gas Conservation Commission
310 Newhouse Building
Salt Lake City, Utah

Gentlemen:

We submit herewith for your approval the Notice to Drill for North Desert Creek 44-2 (SE SE Sec. 2, T41S, R23E), an 80-acre spaced well in the Ratherford area of the Greater Aneth field. We draw your attention to the fact that this well is south of the San Juan River and therefore this location does not strictly comply with the Commission's recent order in Cause No. 17. However, we feel that an exception is justified in this case for the following reasons: (1) The well fits the established pattern for all nearby wells. (2) There are no other operators within a one mile radius. (3) The reservoir is faulted in this vicinity which makes drilling in this locality geologically more risky than normal. Due to the northeasterly strike of the fault trend the alternate location (NE SE Sec. 2) entails more risk than the proposed location. (4) The drilling of this area was postponed pending resolution of the spacing controversy because we had hoped to outstep more gradually on 40-acre spacing to minimize the geologic risk while obtaining additional geologic information and control.

We believe the above are sufficient reasons for your approval of our proposed location. If you deem it necessary we are prepared to present the matter in formal hearing, but it is our hope that the expense and inconvenience of a hearing can be avoided in this case. Therefore we would appreciate your favorable consideration of the enclosed Notice to Drill for North Desert Creek 44-2.

Very truly yours,

R. R. Robison
Division Production Manager

Enclosure

cc - United States Geological Survey
Farmington, New Mexico

OP ~~_____~~

588 11



MS

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

	2	
		X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 11-20-603-246

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
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)

April 8, 1960

North Desert Creek
Well No. 4-2 is located 810 ft. from S line and 510 ft. from E line of sec. 2

SE SE 2 4 S 23 E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the Kelly Bushing above sea level is 4410 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)

4-3-60 Spudded 4-2-60
to Ran and cemented (1235') 85/8, 28#, J-55 casing at 1296' with 200
4-4-60 sacks Pozmix and 200 sacks cement treated with 2% calcium chloride, returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 700 psi, OK.

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

Company Shell Oil Company

Address P. O. Box 153
Farmington, New Mexico

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

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

IN THE MATTER OF THE APPLICATION OF THE
TEXAS COMPANY, THE CARTER OIL COMPANY AND
CONTINENTAL OIL COMPANY FOR AN ORDER ESTAB-
LISHING 80-ACRE DRILLING UNITS FOR THE
ANETH POOL, SAN JUAN COUNTY, UTAH, WITH
REFERENCE TO THE KNOWN PRODUCING ZONES OF
THE HERMOSA FORMATION (CAUSE NO. 8)

CAUSE NO. 17
(CONSOLIDATED CAUSES NOS.
8 and 11)

AND

IN THE MATTER OF THE APPLICATION OF
CONTINENTAL OIL COMPANY FOR AN ORDER ESTAB-
LISHING 80-ACRE DRILLING AND SPACING UNITS
FOR THE UPPER PARADOX SECTION OF THE
HERMOSA FORMATION, DESERT CREEK AREA, SAN
JUAN COUNTY, UTAH (CAUSE NO. 11)

ORDER GRANTING EXCEPTION
TO THE SPACING PATTERN
AS ESTABLISHED BY THE
COMMISSION'S ORDER OF
FEBRUARY 24, 1960

IT APPEARING:

That Shell Oil Company has requested approval of a notice of inten-
tion to drill a well (No. North Desert Creek 44-2) on the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 2,
Township 41 South, Range 23 East, SLBM, as the permitted well for the
drilling or spacing unit embracing the E $\frac{1}{2}$ SE $\frac{1}{4}$ of said Section 2;

That under the Commission's order of February 24, 1960, in Cause
No. 17, the permitted well location for said spacing unit would be the
NE $\frac{1}{4}$ SE $\frac{1}{4}$ of said Section 2;

That the presently drilled wells in the adjoining Sections 1, 11 and
12 of said township have been drilled in the southeast and northwest quarters
of the respective quarter sections upon which drilled, and that the Shell
Oil Company is the holder of a lease upon, and is the operator of, Sections
1, 2, 11, and 12 of said township;

That drilling at the exception location requested by Shell Oil
Company will serve to maintain the existing well pattern in the vicinity of
said proposed exception location, and that no party will be adversely affected
by the granting of said requested exception;

IT IS, THEREFORE, ORDERED that the exception requested by Shell Oil
Company as aforesaid should be and the same is hereby granted and the SE $\frac{1}{4}$ SE $\frac{1}{4}$
is hereby designated as the location for the permitted well for the drilling

and spacing unit comprising the E $\frac{1}{2}$ SE $\frac{1}{2}$ of Section 2, Township 41 South,
Range 23 East, SLBM.

DATED this 17th day of March, 1960.

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION

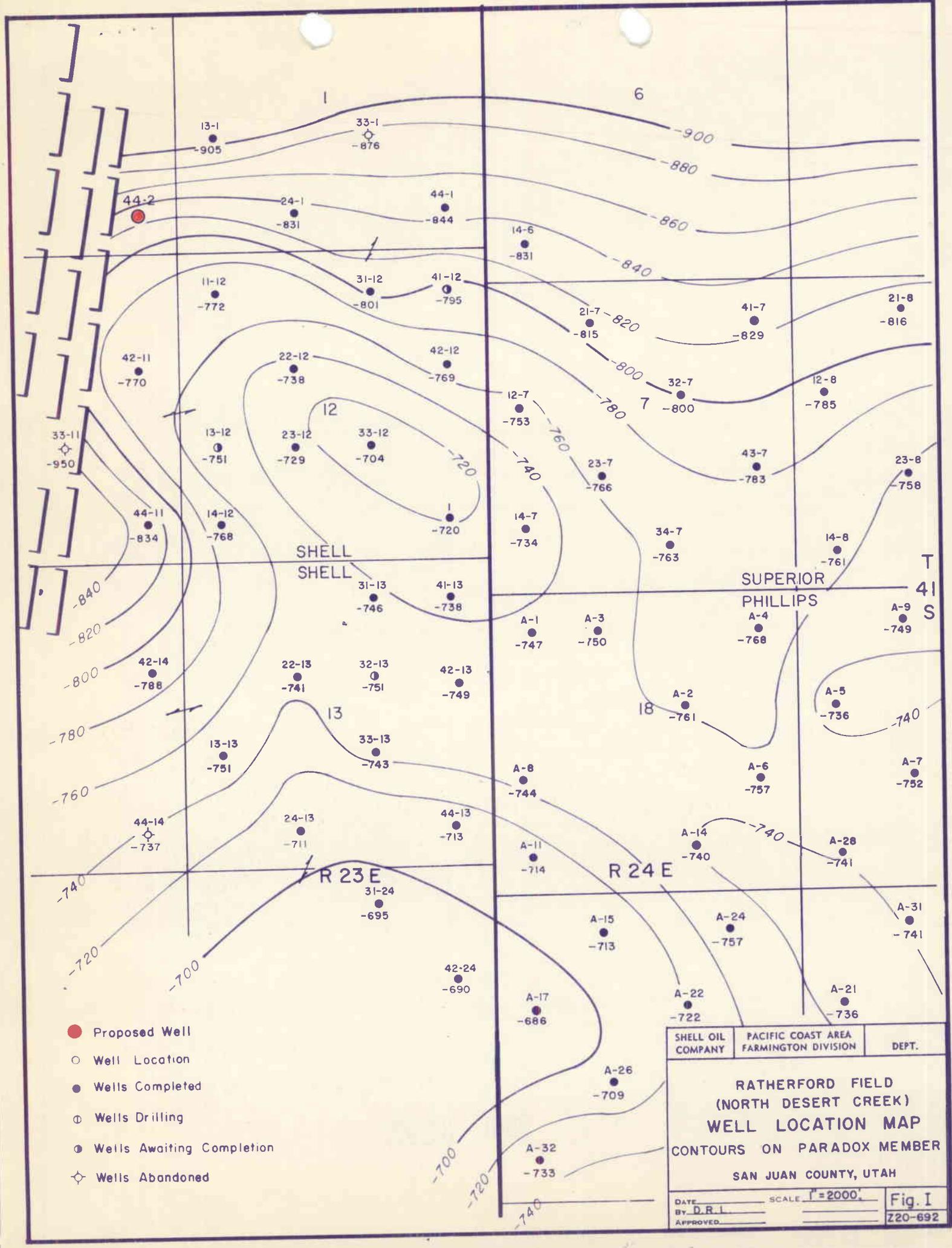
EDWARD W. CLYDE, Commissioner

APPROVED:

/s/ C. R. Henderson
Chairman

/s/ W. G. Mann
Commissioner

/s/ M. V. Hatch
Commissioner



- Proposed Well
- Well Location
- Wells Completed
- ⊙ Wells Drilling
- ⊖ Wells Awaiting Completion
- ⊗ Wells Abandoned

SHELL OIL COMPANY	PACIFIC COAST AREA FARMINGTON DIVISION	DEPT.
RATHERFORD FIELD (NORTH DESERT CREEK) WELL LOCATION MAP CONTOURS ON PARADOX MEMBER SAN JUAN COUNTY, UTAH		
DATE _____	SCALE 1" = 2000'	Fig. I 220-692
BY D.R.I.		
APPROVED _____		

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

	2	
		X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal lands

Lease No. 14-20-603-246

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.....	X
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)

Aug 25, 19 60

North Desert Creek
Well No. 44-2 is located 10 ft. from N line and 510 ft. from W line of sec. 2

SE 2 (1/4 Sec. and Sec. No.) 41E (Twp.) 23E (Range) SLM (Meridian)
Rutherford (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the ~~conductor~~ Kelly Pushing above sea level is 4440 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)

- 4-22-60 Ran and cemented 5-1/2", 14#, J-55 casing at 5370' (T.D. 5400) with 200 sacks construction cement, held 1500 psi, OK.
- 4-27-60 Perforated four 1/2" holes/ft. 5302-5332'.
- 4-28-60 Washed perforations 5302-5332 and open hole interval 5370-5400 with 500 gal. mud acid. Treated open hole interval 5370-5400 with 1000 gal. regular and 1000 gal. retarded acid. Maximum pressure 1900 psi, average rate 1.0 bbls./min. Treated interval 5302-5332 with 2000 gal. regular and 6000 gal. retarded acid. Maximum pressure 3000 psi, average rate 2.6 bbls./min.

(over)

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 Post Office Box 1200

Farmington, New Mexico

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

4-29-60 Tested well.

to

5-15-60

5-16-60 REPRESENTATIVE INITIAL PRODUCTION

Flowing, 399 B/D gross, 381 B/D clean, 4.5% cut, 214 MCF/D gas,
GOR 560, 32/64" choke, FF 380.

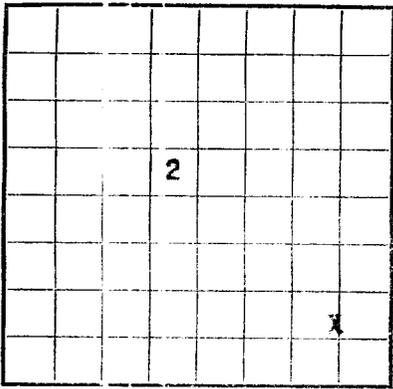
Completed 4-2-60.

5-2-60

JUN 1 1960

Form 9-3-0

U. S. LAND OFFICE Navajo-Tribal lands
SERIAL NUMBER 14-20-603-246
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address Post Office Box 1290, Farmington, N.M.
Lessor of Tract North Desert Creek Field Rutherford State Utah
Well No. 14-2 Sec. 2 T. 41S R. 23E Meridian N.1.S.2. County San Juan
Location 510 ft. $\begin{matrix} \text{N.} \\ \text{S.} \end{matrix}$ of 2 Line and 510 ft. $\begin{matrix} \text{E.} \\ \text{W.} \end{matrix}$ of 2 Line of Sec. 2 Elevation 4440 (Derrick floor relative to sea level)

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

Signed B.W. SHEPARD
Original signed by

Date June 2, 1960 Title Exploitation Engineer

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

Commenced drilling April 2, 1960 Finished drilling April 19, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5302 to 5332 No. 4, from _____ to _____
No. 2, from 5370 to 5400 (open hole) No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 500 to 1300 ? No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
<u>13-3/4</u>	<u>141</u>	<u>4</u>	<u>13-3/4</u>	<u>75</u>	<u>displacement</u>				
<u>5-7/8</u>	<u>129</u>	<u>4</u>	<u>5-7/8</u>	<u>400</u>	<u>displacement</u>				
<u>5-1/2</u>	<u>537</u>	<u>4</u>	<u>5-1/2</u>	<u>200</u>	<u>displacement</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/4</u>	<u>141</u>	<u>75</u>	<u>displacement</u>	<u>-</u>	<u>-</u>
<u>5-7/8</u>	<u>129</u>	<u>400</u>	<u>displacement</u>	<u>-</u>	<u>-</u>
<u>5-1/2</u>	<u>537</u>	<u>200</u>	<u>displacement</u>	<u>-</u>	<u>-</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

FOLD MARK

13-3/8	101	75	displacement	-	-
5-1/4	1290	400	displacement	-	-
5-1/2	5370	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 _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____
 June 2, 1938 Put to producing _____, 19____
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
 emulsion; (19) % water; and _____% sediment. 399 Gravity, °Bé. 25.5
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas (API (grav. max.))
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2110	2156	46	Shinarump
2156	2296	140	Moenkopi
2296	4300	2004	Utter
4300	5300	1000	Permian
5300	-	-	Paradox
FROM—	TO—	TOTAL FEET	FORMATION

SHELL OIL COMPANY

North Desert Creek
 WELL NO. 44-2

DRILLING REPORT
 FOR PERIOD ENDING

Ratherford
 (FIELD)
San Juan, Utah
 (COUNTY)

4-23-60

2
 (SECTION OR LEASE)
T. 41 S., R. 23 E.
 (TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			Location: 810' N. and 510' W. of SE Corner, Section 2, T. 41 S., R. 23 E SLM, San Juan County, Utah
			Elevations: DF 4438.3 GR 4429.3 KB 4439.8
4-2	0	110	Spudded 5:30 A. M. 4-2-60. Ran and cemented 3 joints 13 3/8" J-55 conductor pipe at 101' with 75 sacks cement treated with 2% calcium chloride, good returns to surface. Waited 18 hours on cement, flanged up.
4-3 To 4-5	110	1905	<u>Drilled 1795'</u> . Ran and cemented (1285') 8 5/8" 28#, J-55 casing at 1296' with 200 sacks pozmix and 200 sacks cement, last 150 treated with 2% calcium chloride. Flanged up and waited on cement. Pressure tested casing and BOP with 750 psi, OK.
4-6 To 4-19	1905	5400	<u>Drilled 3495'</u> . Reduced 7 7/8" hole to 4 3/4" at 5346'.
4-20	5400 TD		Ran Induction - Electric Log, Gamma Ray - Neutron Log, Microlog and Directional Survey.
4-21	5400 TD		DST #1 5288 - 5400 (Lower Bluff Zone and Upper Desert Creek Zone) Halliburton Testers. Ran tester with dual packers at (7") 5283.5' and (6 3/4") 5288'. Two Pressure recorders Amerada BT (out) at 5295' and Amerada BT (out) at 5304', 3/4" subsurface bean and 1" surface bean, perforations 5289 - 5307. Initial shut in 45 minutes, open 2 hours, final shut in 2 hours. Immediate moderate blow, gas to surface in 5 min, increasing to 83 MCF/D - decreasing to moderate for remainder of open period. Recovered 2852' (37.4 bbls.) oil, 41.5 API gravity. ISIP 1770, IFP 240, FFP 845, FSIP 1665, HP 2817/2780.
4-22			Ran and cemented (5359') 5 1/2", 14#, J-55 casing at 5370' with 200 sacks, final pressure 1500 psi.

END

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12 1/4"	0	1300	13 3/8"	101
7 7/8"	1300	5346	8 5/8"	1296
4 3/4"	5346	5400		
DRILL PIPE SIZES				
4 1/2"				

B. W. Shepard

BWS
 SIGNED

SHELL OIL COMPANY

North Desert Creek
 WELL NO. 44-2

DRILLING REPORT
 FOR PERIOD ENDING

2
 (SECTION OR LEASE)
T. 41 S., R. 23 E.
 (TOWNSHIP OR RANCHO)

Ratherford
 (FIELD)
San Juan, Utah
 (COUNTY)

4-23-60

DAY	DEPTHS		REMARKS
	FROM	TO	
4-23	5400 TD		Pressure tested casing with 1500 psi, OK. Displaced mud with water. Cleaned out from 5349' to 5400'. Released rig 11:00 A.M. 4-23-60. Checked BOP Daily Mud Summary Wt. 9.10.4#/gal. Vis. 36-46 sec WL. 6-12 cc FC. 2-3/32" Contractor: Moran Bros. Drilling Company Co Pusher: W. C. Thompson

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12 1/4"	0	1300	13 3/8"	101'
7 7/8"	1300	5346	8 5/8"	1296'
4 3/4"	5346	5400	5 1/2"	5370'
DRILL PIPE SIZES				
4 1/2"				

B. W. Shepard

BWS
 SIGNED

SHELL OIL COMPANY

North Desert Creek 44-2
 WELL NO.

DRILLING REPORT
 FOR PERIOD ENDING

Ratherford
 (FIELD)
 San Juan, Utah
 (COUNTY)

5-5-60

2
 (SECTION OR LEASE)
 T. 41 S. R. 23 E.
 (TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
4-25 To 4-26	5400 TD		Moved in completion rig.
4-27			Perforated four 1/2" jet holes/ft. 5302-5332'.
4-28			Cleaned out fill 5383-98. Hung packer on 2 1/2" tubing, with 40' tail. Mud acid washed formation and perforations with 500 gal mud acid - went away on vacuum. Set packer at 5354 and treated below with 1000 gal regular and 1000 gal retarded acid, final injection pressure 1900 psi, average rate 1.0 bbls/min. Pulled straight - through tool and ran blank off tool. Treated above, packer with 2000 gal regular and 6000 gal retarded acid. Maximum pressure 3000 psi, average rate 2.6 bbls/min.
4-29			Swabbed from below packer for 3 hrs., 18-20 bbls/hr. (water) rate. Well began to flow - flowed at rate of 21 bbls/hr. gross 15 bbls/hr. oil.
4-30			Pulled packer
5-1			Ran 2 1/2" tubing began swabbing.
5-2			Swabbed and flowed 195 B/D gross, 150 B/D oil in to test tank, turned to tank battery with 80 psi on tubing - well died.
5-3			Flowed 312 bbls gross, 265 bbls oil in approximately 8 hrs.
5-4 To 5-5			Installed pump. Ran 2 1/2" tubing to 5383'.
			REPRESENTATIVE INITIAL PRODUCTION Flowing 399 B/D gross, 381 B/D oil, cut .4.5%, 214 MCF/D gas, GOR 560. Completed 5-2-60.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12 1/4"	0	1300	13 3/8"	101'
7 7/8"	1300	5346	8 5/8"	1296'
4 3/4"	5346	5400	5 1/2"	5370'
DRILL PIPE SIZES				

B. W. Shepard

BWS
 SIGNED

DITCH SAMPLES

Examined by Woodward 5000 to 5160
_____ to _____Well. 44-2
Field or Area Ratherford

From	To	%	Shows Underlined	Samples Lagged
5000	5010	60	Shale, medium gray, micaceous, silty, calcareous.	
		20	Limestone, white - tan, IVFA.	
		20	Sandstone, white, very fine, very calcareous, in part sandy limestone.	
5010	20	70	Shale, medium gray, red - gray and green - gray, micaceous, silty, calcareous.	
		30	Limestone, white - tan, IVF-FA, shell debris, crinoids, tubular forams, spar.	
5020	30	80	Shale, as above.	
		20	Limestone, as above.	
5030	50	90	Shale, as above.	
		10	Limestone, as above.	
5050	60	40	Shale, as above.	
		40	Siltstone, light gray, calcareous.	
		20	Limestone, as above.	
5060	70	60	Limestone, as above, IVF-MA.	
		40	Shale, as above.	
5070	90	90	Shale, as above.	
		10	Limestone, as above.	
5090	5100	80	Shale, as above.	
		20	Limestone, as above.	
5100	10	50	Shale, as above, medium gray, with trace black shale.	
		50	Limestone, as above, with trace chert.	
5110	20	90	Limestone, white - tan, IVF-FA, spar, shell debris, with trace chert.	
		10	Shale, medium gray.	
5120	30	60	Limestone, as above, sandy in streaks, with trace chert.	
		40	Shale, as above.	
5130	40	90	Limestone, white - tan, IVFA-FA, some spar, sandy, with trace chert.	
		10	Shale, medium gray.	
5140	50	70	Limestone, as above, with chert.	
		30	Siltstone, medium gray.	
5150	60	80	Limestone, tan - white, IVFA-FA, shell debris, with chert.	
		20	Siltstone, gray.	

DITCH SAMPLES

Examined by Woodward 5160 to 5255
_____ to _____Well. 44-2
Field or Area Ratherford

From	To	%	Shows Underlined	Samples Tagged
5160	75	90 10	Limestone, tan - brown, IVFA, in part silty, with chert, crinoids. Shale, black and dark gray.	
5175	80	65 30 5	Limestone, tan - brown, IVF-MA, shell debris, spar. Siltstone, brown, very calcareous. Chert, brown and clear.	
5180	85	90 5 5	Limestone, tan, IVF-FA, crinoids, tubular forams, spar. Chert, brown, orange and clear. Shale, black.	
5185	95	100	Limestone, tan - brown, IVFA, crinoids, spar, slightly sandy, with shale partings, and with chert.	
5195	5200	100	Sandstone, clear - white, very fine, subrounded grains, quartz, very calcareous, tight, in part sandy limestone, with black shale partings and with chert.	
5200	10	75 25	Sandstone, as above. Limestone, tan, IVF-MA, crinoids, spar.	
5210	15	50 50	Sandstone, as above. Limestone, tan, IVFA.	
5215	25	100	Limestone, tan, IVFA, with minor spar, crinoids, and with trace anhydrite.	
5225	30	100	Limestone, as above, with slightly sandy streaks and with chert.	
5230	35	100	Limestone, tan, IVFA-MA, with spar and a fusulinid streak (tubular forams, crinoids, bryozoans, shell debris) and black shale partings and with trace anhydrite and chert.	
5235	40	100	Limestone, as above, with fusulinids, brachiopods, shell debris and spar.	
5240	45	95 5	Limestone, tan, IVFA, with trace anhydrite and with spar, ostracods, spines, shell debris. Chert, brown, clear, orange.	
5245	50	90 10	Limestone, as above, with spar and anhydrite, fusulinids, crinoids and with black shale partings. Sandstone, very fine, quartzitic, subrounded grains, very calcareous.	
5250	55	100	Limestone, brown and white mottled, IVF-MAC, abundant spar (Partial spar matrix), brachiopods, fusulinids ¹⁻² , tubular forams ¹⁻² , shell debris, <u>brecciated</u> , some anhydrite pore filling and with chert.	

DITCH SAMPLES

Examined by Woodward 5255 to 5305
_____ to _____Well. 44-2
Field or Area Ratherford

From	To	%	Shows Underlined	Sample Legged
5255 Trip at 5260'. 15' of fill	65	90	Limestone, white and brown mottled, IVF-FAC+r, very silty, argillaceous, micaceous, with black silt and shale partings and laminae, tubular forams, mobile forams 2-3, anhydrite pore filling and spar, <u>oil stain ? cut fluorescence</u> .	
		10	Sandstone, white and brown mottled, very fine, quartzitic, micaceous, very calcareous.	
5265 doghouse?	70	40	Limestone, as above.	
		50	Limestone, tan, IVFA, fusulinids.	
		10	Black shale and brown chert.	
5270	75	95	Limestone, dark brown and tan with some mottled as above, I/III VFA-FA, very argillaceous, (dirty) with black shale and dark gray siltstone laminae, fusulinids ₁₋₂ , crinoids.	
		5	Chert, dark brown, brown, and clear.	
5275	80	75	Limestone, dark brown and tan, IVFA-FA with dark brown limestone being very silty (in part limey siltstone), brachiopods (Produced), fusulinids ₀₋₁ , some spar.	
		10	Shale, dark gray and black.	
		15	Chert, brown, black, clear.	
5280	85	65	Limestone, as above, slightly sandy, crinoids, fusulinids, brachiopods.	
		20	Shale, as above.	
		15	Chert, as above.	
5285	90	50	Limestone, tan and gray, IVFA-FA, with dark brown, very silty limestone streaks (in part limey siltstone).	
		20	Siltstone, medium-dark brown, very calcareous.	
		15	Shale, as above.	
		15	Chert, as above.	
5290	95	55	Limestone, tan, IVFA with brown, very silty limestone streaks.	
		30	Limestone, white, very sandy (in part limey sandstone)	
		10	Shale, as above.	
		5	Chert, brown.	
5295	5300	90	Limestone, tan and brown, IVF-MA, C _{tr} , slightly sandy, plate-algal, brecciated, fusulinids, crinoids, tubular forams, spar, anhydrite. <u>Sample fluorescence 10%</u> .	
		5	Shale, black.	
		5	Limestone, sandy.	
5300	05	85	Limestone, tan and brown, IVF-MA, C _{tr} spar and anhydrite, <u>sample fluorescence 10%</u> .	
		15	Limestone, white, sandy.	

DITCH SAMPLES

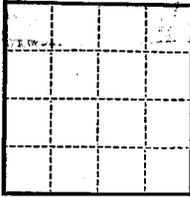
Examined by Woodward 5305 to 5370
_____ to _____Well. 44-2
Field or Area Ratherford

From	To	%	Shows Underlined	Samples Lagged
5305	10	80	Limestone, tan, IVF-MA, C _{tr} , abundant spar, anhydrite.	
		20	Dolomite, III/I VF B ₃ C ₃ , anhydrite, <u>sample fluorescence 40%</u> .	
5310	15	90	Limestone, white and tan, IVF-F C ₁₋₂ , D _{tr-1} , spar and anhydrite.	
		10	Dolomite, III VF B ₄ C ₃ , anhydrite, <u>sample fluorescence 40%</u> ,	
5315	20	90	Limestone, white and tan, IVF-L B ₁₋₂ C ₂₋₃ D ₀₋₁ , spar, anhydrite and dolomite rombs.	
		10	Dolomite, brown, III VF B ₄₋₅ C ₁ , <u>sample fluorescence 40%</u> .	
5320	25	100	Limestone, tan and white, IVF-F B ₁₋₂ , C ₁₋₃ D ₀₋₁ , Ostricods, fusulinids, plate-algal, anhydrite, spar, dolomite rombs. <u>Sample fluorescence 40%</u> .	
5325	30	100	Limestone, tan and white, IVF-L B ₂₋₃ C ₁₋₂ , plate-algal, tubular forams, abundant dolomite, (anhydrite and spar), <u>sample fluorescence 20%</u> .	
5330	35	100	Limestone, tan and white, IVF-L B ₁₋₂ , C ₁₋₂ , brachiopods, plate-algal?, spar, abundant anhydrite and dolomite rombs. <u>Sample fluorescence 30%</u> .	
5335	40	100	Limestone, tan and white, IVF-L B ₁₋₂ C ₁₋₂ , Crinoids, brachiopods?, plate-algal?, spar, anhydrite and abundant dolomite rombs. <u>Sample Fluorescence 40%</u> .	
5340	45	70	Dolomite, brown, III VF B ₁₋₃ C _{tr-1} .	
			Limestone, white - brown, IVF-M B ₁₋₂ C ₁₋₂ , ostricods, spar. <u>Sample Fluorescence 60%</u> .	
			<u>Circulated at 5346'.</u>	
20 min. circ. sample		70	Dolomite, as above, brown and gray.	
		30	Limestone, white, IVFA. <u>Sample Fluorescence 60%</u> .	
60 min. circ. sample		90	Dolomite, as above.	
		10	Shale, chocolate brown, soft, with black luminae. <u>Sample Fluorescence 20%</u> .	
5346	60	100	Shale, black, and shale, chocolate brown, soft. <u>Sample Fluorescence trace.</u>	
5360	65	70	Shale, as above.	
		30	Limestone, white and light brown IVFA, very sandy and silty. <u>Sample Fluorescence Trace.</u>	
5365	70	100	Sandstone, white, silty, very fine, quartzitic, subrounded grains, tight, very calcareous (in part a sandy limestone). <u>Sample Fluorescence 60%</u> .	

DITCH SAMPLES

Examined by Woodward 5370 to 5400
_____ to _____Well. 44-2
Field or Area Ratherford

From	To	%	Shows Underlined	Samples Lagged
5370	75	60	Sandstone, as above, white and brown.	
		40	Dolomite, medium brown, I/III VF B ₃₋₆ C ₂₋₄ , abundant dolomite pore filling, anhydrite. <u>Sample Fluorescence 50%</u> .	
5375	77	100	Dolomite, medium brown, I/III VF B ₃₋₆ C ₂₋₆ D ₀₋₄ , average porosity 8%, tubular forams, crinoids, fusulinids, brachiopods, bryozoans. Dolomitized 4A?, abundant dolomite pore filling. <u>Sample Fluorescence 75%</u> . <u>CF. Br. Bl. Wh.</u>	
5377	80	80	Dolomite, medium brown, I/III VF B ₂₋₄ C ₂₋₄ , tubular forams 2-3, pore filling anhydrite and dolomite.	
		20	Limestone, medium - dark brown, IVFA, fusulinids, crinoids. <u>Sample Fluorescence 65%</u> .	
5380	85	90	Dolomite, dark brown, III VFA, very silty and argillaceous.	
		10	Limestone, dark brown, IVFA, fusulinids, crinoids. <u>Sample Fluorescence 50%</u> .	
5385	90	80	Dolomite, dark brown and gray-brown, III VF B ₁ C _{tr-1} , very silty and argillaceous, limey.	
		20	Limestone, tan and dark brown, IVFA. <u>Sample Fluorescence 45%</u> .	
5390	95	100	Dolomite, <u>light brown</u> and dark brown, III VF B _{tr} C _{tr} , slightly silty and argillaceous, limey, crinoids, tubular forams. <u>Sample Fluorescence 50%</u> .	
5395	5400	85	Dolomite, <u>light brown</u> and dark brown, III VFA with minor I/III.	
		15	Limestone, as above. <u>Sample Fluorescence 40%</u> .	
			Circulated at 5400.	
45 min. circ. sample		50	Dolomite, as above, B _{tr} C _{tr} . <u>Sample Fluorescence 50%</u> .	
		50	Chert (silicified dolomite, B _{tr} C ₁₋₂ , fusulinids and tubular forams)	
90 min. circ.		60	Chert (silicified dolomite, B _{tr} C ₁ , tubular forams, plate-algal?).	
		20	Limestone, brown, IVFA.	
		20	Dolomite, as above. <u>Sample Fluorescence 50%</u> .	



Copy H. L. E.
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal
Lease No. 14-20-603-246

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	
NOTICE OF INTENTION TO ABANDON WELL			
<u>Notice of Intention to Squeeze</u>	<u>X</u>		

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

5302-32, deepen Desert Creek zone from 5400' to 5500' and convert to water injection. **Cortez, Colorado** **March 15**, 19 **63**

Rutherford Unit (Formerly Shell Oil Co. North Desert Creek #44-2)

Well No. **2-44** is located **810** ft. from **XX** line and **510** ft. from **E** line of sec. **2**

SE SE **Sec. 2** **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 ~~connection~~ **Kelly Bushing** above sea level is **4440** 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)

Kill well. Pull rods and tubing, run Halliburton EM bridge plug on bottom of Halliburton RTTS tool. Set plug at 5352. Pull up above Isany perforations and set RTTS tool at 5280'. Breakdown. Mix 50 sks common cement and squeeze perforations 5302-32 with holding pressure of 1500# maximum, 1000# minimum. Circulate out. Drill out cement and bridge plug. Drill new hole from 5400 to 5500 using gelled water. Displace drilling fluid with clean water. Run 2 1/2" Marlex plastic lined tubing with Baker tension packer at approximately 5347' (below squeezed perforations) and convert to water injection well. Present production - 89 BO, 97 MCF Gas, 0 water in 24 hours 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 *C. M. Boles*
C. M. Boles

Title Dist. Supt.



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

June 21, 1963 ✓

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

Attention: Mr. Cleon B. Feight

Dear Sirs:

In accordance with Rule E-4 of the Utah General Rules and Regulations, we wish to advise that the following wells located on the Rutherford Unit in San Juan County, Utah, were converted to water injection wells.

<u>Old Well No.</u>	<u>New Well No.</u>	<u>Date Converted</u>	<u>Length of Test</u>	<u>Injection Rate</u>	<u>Injection Pressure</u>
11-44	11W44	6-11-63	24 hrs	111 BWPD	350#
5-14	5W14	6-12-63	24 hrs	407 BWPD	350#
2-44	2W44	6-11-63	24 hrs	1107 BWPD	300#

Details of the above conversions will be furnished on USGS Form No. 9-331b in the near future.

Very truly yours,

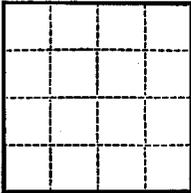
PHILLIPS PETROLEUM COMPANY

C. M. Boles
District Superintendent

bh

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal
Lease No. 14-20-603-246

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
NOTICE OF INTENTION TO ABANDON WELL	<u>Subsequent Report to Squawee Ismay</u> <input checked="" type="checkbox"/>

Perforations 5302-32, deepen Desert Creek zone from 4400' to 5300' & convert to water injection.

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

Cortez, Colorado July 2 1963
Rutherford Unit (Formerly Shell Oil Co North Desert Creek #4-2 & R.O.#2-4)
 Well No. 2444 is located 810 ft. from XX line and 510 ft. from E line of sec. 2
SE SE Sec. 2 11S 23E 11W
 (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 derrick floor above sea level is 4440 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)

Converted well to Water Injection (5-29-63 through 6-20-63).
 Squeezed Ismay perforations 5302-32', drilled out cement to 5400' TD, drilled new hole to 5500'. Ran 2-1/2" tubing with Marlex Liner and Packer. Hooked up for Water Injection. Started injecting water 6-11-63. Well would not take water at 500', took 1/2 BHP at 2600' using pump truck. Acidized with 2000 gallons 15% regular acid. Well started taking water at 300', in Desert Creek open hole 5370-5500'. Changed well classification from Oil Well to Water Injection well and changed well number from 2-44 to 2444.
 Previous Production, Paradox Formation, Desert Creek & Ismay Zones: 93 BO, 130 MCF Gas, 0 Water.
 Present: Paradox Formation, Desert Creek Zone: Injected 1107 BW in 24 hours, at 300', 4 1/4" choke.

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]
 Title District Superintendent

Copy H.L.C.

[Handwritten initials]

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Hawai

Allottee Tribal

Lease No. 11-20-609-216

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 TEST 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)

Shall - WI

Cortez, Colorado Sept. 13, 1963

Rutherford Unit

Well No. 2 W 44 is located 510 ft. from S line and 510 ft. from E line of sec. 2

SE SE Sec. 2
(4 Sec. and Sec. No.)

41 S
(Twp.)

23 E
(Range)

SLM
(Meridian)

Greater Aneth
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

Kelly Bushing

The elevation of the ~~land surface~~ above sea level is 4440 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)

Acidize with 500 gals. regular 15% Acid, 300 gals. Sol-Block and 3000 gals. regular 15% acid to increase water injection rate.

Present water injection rate: 332 BHPD at 310 lbs.

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. H. Boies

Title District Superintendent

U.

Handwritten notes

Form 9-381 b
(April 1962)

Copy H. 2-4

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 43-R250.4
Approval expires 12-31-63

Indian Agency _____
NAVAJO
TRIBAL
Allottee _____
Lease No. **14-20-603-246**

Handwritten initials

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Rutherford Unit **Cortez, Colorado** **September 25, 1963**

Well No. **2N44** is located **810** ft. from **[N]** line and **510** ft. from **[E]** line of sec. **2**
SE SE Sec. 2 **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 ~~dermat foot~~ above sea level is **4440** 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)

September 16, 1963: Western Company acidized with 500 gallons regular 15% acid, 300 gallons Sol-Block, and 3,000 gallons regular 15% acid. Maximum pressure 3800#, minimum 2600#. Acid rate 2 BPM. Flush 1.6 BPM. No increase in pressure when block hit formation. Job completed at 12:00 Noon 9/16/63.

Present Injection Rate: 375 BWPD at 310# - Greater Aneth Field, Paradox formation, Desert Creek zone.

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. H. Boles**
District Superintendent
Title _____

Handwritten mark

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER Water Injection Well

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 810' PSL 510' PSL Sec. 2
SW SE Sec. 2

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Rutherford Unit

9. WELL NO.
2444

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

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

2-413-23E S.L.B.M.

14. PERMIT NO.

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

4440 KB

12. COUNTY OR PARISH

13. STATE

San Juan Utah

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

NOTICE OF INTENTION TO:

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

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

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.)*

Acidize water injection well with 5000 gallons 15% regular acid and return to injection status.

Present Injection rate: 162 BWPD at 970#.

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

SIGNED

E. M. Dolan

TITLE

District Superintendent

DATE

10-3-69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Orig & 2 cc: USGS, Farmington, NM
2 cc: Utah O&GCC, Salt Lake City, Utah
1 cc: Denver

*See Instructions on Reverse Side 1 cc: File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIP
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-246

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
Box 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
810' PSL, 510' FEL, Sec. 2, SE SE Sec. 2

7. UNIT AGREEMENT NAME

St-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

244

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

2-418-23E S.L.B.M.

14. PERMIT NO.

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

440 KB

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

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

On October 23, 1969 acidized well with 5000 gallons 15% acid in two equal stages separated by 500 gallons salt block, resumed injection.

PREVIOUS INJECTION RATE: 162 BHPD at 96%.

PRESENT INJECTION RATE: 165 BHPD at 95%.

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

SIGNED

C. M. Bolen

TITLE

Dist. Supt.

DATE

12-8-69

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

**Orig. & 2 cc: USGS, Farmington, NM
2 cc: Utah O&GCC, Salt Lake City, Utah
1 cc: Denver**

***See Instructions on Reverse Side cc: Superior Oil Co., Cortez, Colo.
1 cc: File**

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

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

IN THE MATTER OF THE APPLICATION OF
PHILLIPS PETROLEUM COMPANY
 ADDRESS P.O. BOX 2920
CASPER, WYOMING ZIP 82602
 INDIVIDUAL PARTNERSHIP X CORPORATION
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE 2W44 WELL
 SEC. 2 TWP. 41S RANGE 23E
SAN JUAN COUNTY, UTAH

CAUSE NO. C-3(B)

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

APPLICATION

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

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

Lease Name <u>Ratherford Unit</u>	Well No. <u>2W44</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>2W44</u> Sec. <u>2</u> Twp. <u>41S</u> Rge. <u>23E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>5-83</u> <u>10/22/76</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate</u> <u>1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	State What <u>Oil & Gas</u>	
Location of Injection Source(s) <u>Desert Creek Paradox I & II</u> <u>San Juan River</u>	Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5567')</u> <u>San Juan River (Surface)</u>		
Geologic Name of Injection Zone <u>Desert Creek I & II</u>	Depth of Injection Interval <u>5370</u> to <u>5500</u>		
a. Top of the Perforated Interval <u>5370'</u>	b. Base of Fresh Water: <u>1550'</u>	c. Intervening Thickness (a minus b) <u>3820'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES NO <u>See Attachment #4</u>			
Lithology of Intervening Zones <u>See Attachment #1</u>			
Injection Rates and Pressures Maximum <u>247</u> B/D <u>1800</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			
<u>Navajo Tribe, Minerals Dept., P.O. Box 146, Window Rock, AZ 86515</u>			
<u>Superior Oil, P.O. Box 4530, The Woodlands, TX 77380</u>			
<u>Texaco Inc., P.O. Box 2100, Denver, CO 80201</u>			
<u>Southland Royalty, 1000 Fort Worth Club Tower, Fort Worth, TX 76102</u>			

State of Wyoming)

PHILLIPS PETROLEUM COMPANY

Applicant

County of Natrona)

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

Suscribed and sworn to before me this 21st day of September, 19 83
 County of Natrona State of Wyoming

SEAL My Commission Expires Nov. 3, 1986
 My commission expires 11/3/86

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

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

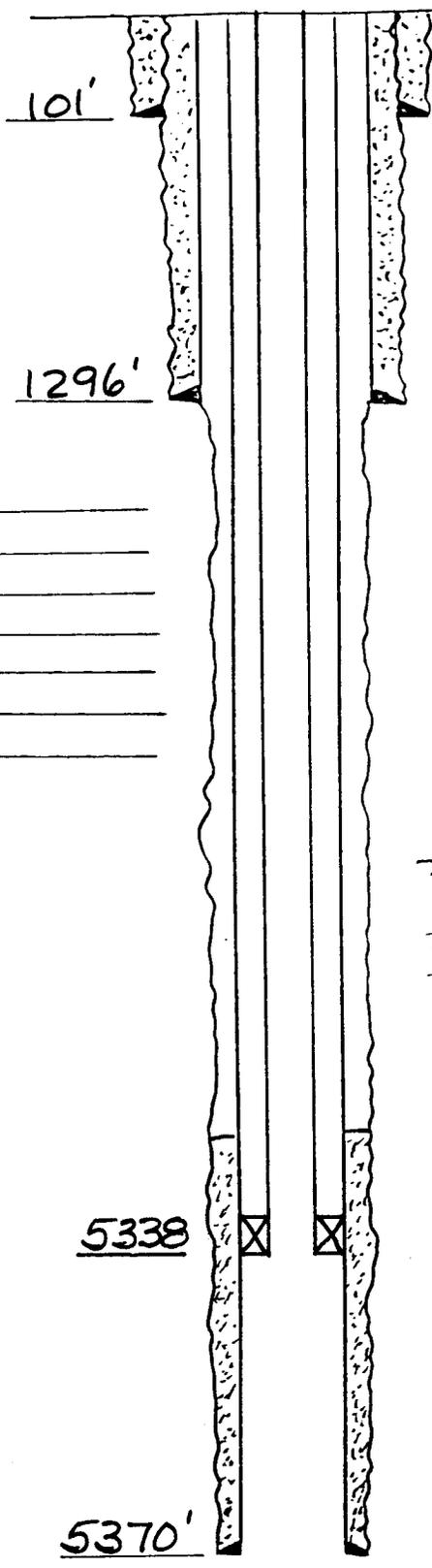
CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	13-3/8"	101'	75	Surface	Returns
Intermediate	8-5/8"	1296'	400	Surface	Returns
Production	5-1/2"	5370'	200	4767.7	Calculated
Tubing	2-7/8"	5338'	Name - Type - Depth of Tubing Packer Baker AD Pkr set at 5338'		
Total Depth 5500'	Geologic Name - Inj. Zone Desert Creek I & II		Depth - Top of Inj. Interval 5370'		Depth - Base of Inj. Interval 5500'

WELL: 2W44
LOCATION: SESE Sec 2-T41S-R23E
FIELD: GREATER ANEIH
RESERVOIR: Desert Creek I+II

W. COMPLETION: 6.20.63
PRESENT STATUS: WI

RKB 4439.8'
GL 4429.



SURFACE CASING: 13 3/8" 27.1#
H-40

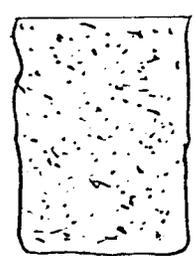
INTERMEDIATE CASING: 8 5/8"
28# J-55

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

PERFORATIONS: _____
open hole
5370-5550

PACKER: Baker "AD" @ 5338'
Tubing: 2 7/8" @ 5338'

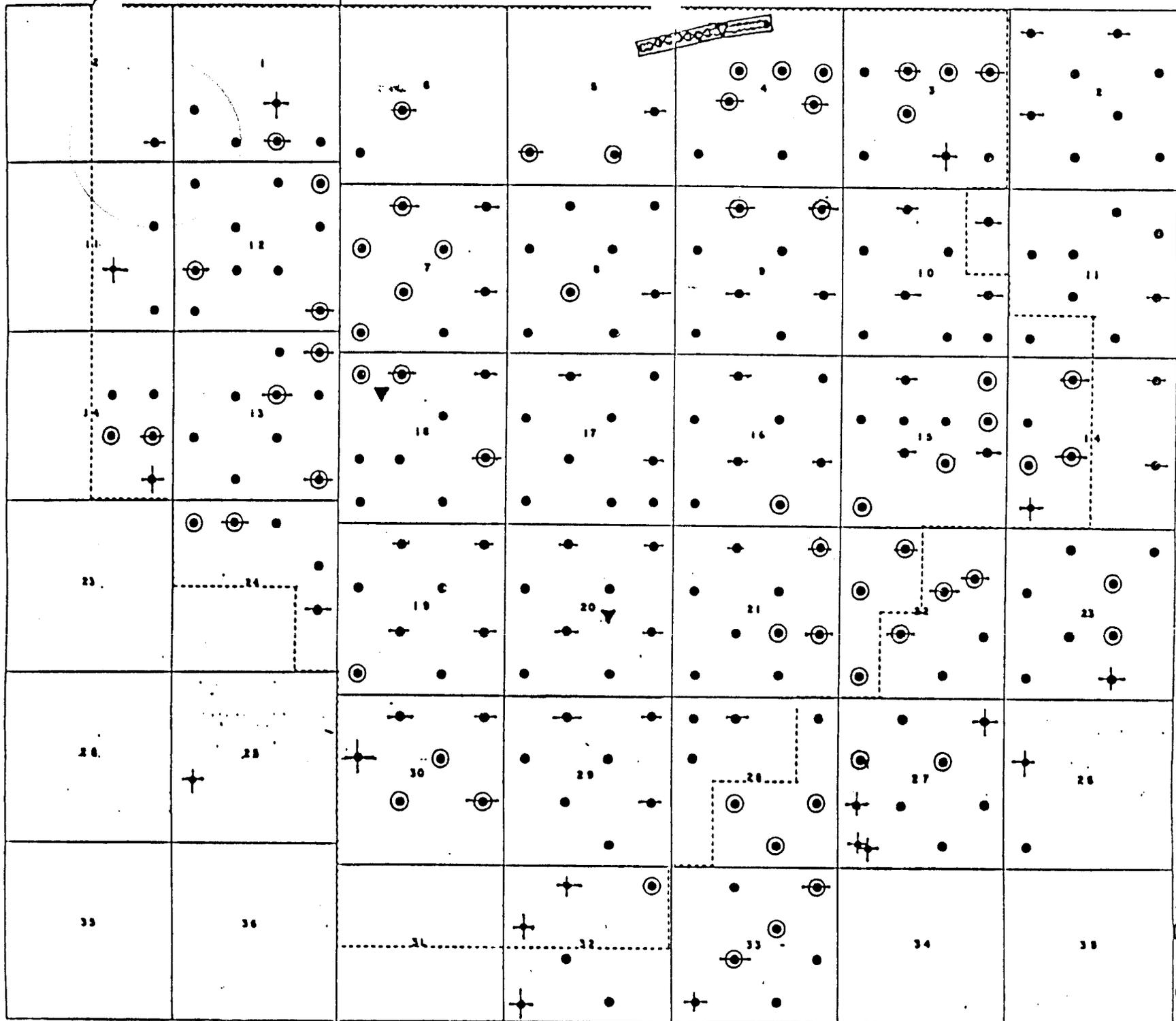
PBTD: —
OTD: 5550'



Phillips Petroleum Company

R-23-E

R-24-E



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

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

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

OPERATOR: Phillips Petroleum Company
 FIELD: Greater Aneth LEASE: Rutherford Unit
 WELL # 2W44 SEC. 2 TOWNSHIP 41S RANGE 23E
 STATE (FED.) FEE DEPTH 5500 TYPE WELL Inj. - wtr MAX. INJ. PRESS. 1800

TEST DATE 6/17/84

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>13 3/8</u>	<u>101</u>	<u>75_{sx}</u>		<u>working on</u>	
<u>INTERMEDIATE</u>	<u>8 5/8</u>	<u>1296</u>	<u>400</u>			
<u>PRODUCTION</u>	<u>5 1/2</u>	<u>5370</u>	<u>200</u>			
<u>TUBING</u>	<u>2 7/8</u>	<u>5338</u>				
	<u>Baker AD PKr at 5338'</u>					

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

* * * * *
CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW
 * * * * *

Operator: Phillips Well No. Rutherford Unit 2w44
 County: Somerset T 415 R 23E Sec. 2 API# 43-037-16386
 New Well Conversion Disposal Well Enhanced Recovery Well

	<u>YES</u>	<u>NO</u>
UIC Forms Completed	<u>✓</u>	_____
Plat including Surface Owners, Leaseholders, and wells of available record	<u>✓</u>	_____
Schematic Diagram	<u>✓</u>	_____
Fracture Information	<u>✓</u>	_____
Pressure and Rate Control	<u>✓</u>	_____
Adequate Geologic Information	<u>✓</u>	_____

Fluid Source Desert Unit

Analysis of Injection Fluid	Yes <u>✓</u>	No _____	TDS <u>85,565</u>
Analysis of Water in Formation to be injected into	Yes <u>✓</u>	No _____	TDS <u>103,633</u>
Known USDW in area	<u>Orange</u>	Depth <u>1550</u>	
Number of wells in area of review	<u>4</u>	Prd. <u>4</u>	P&A <u>0</u>
		Water <u>0</u>	Inj. <u>0</u>
Aquifer Exemption	Yes _____	NA <u>✓</u>	
Mechanical Integrity Test	Yes _____	No <u>✓</u>	
Date _____	Type _____		

Comments: 70C 4767

Reviewed by: 

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.)

14-20-603-246 7

6. OF HOLE, ALLEGED OR TRUE NAME

Navajo 16

7. CASE NUMBER

SW-I-4192

8. NAME OF LEASE

Ratherford Unit

9. WELL NO.

2W44

10. FIELD AND POOL, OR WELDCAT

Greater Aneth

11. SEC., T., R., E., OR S.W., AND DEPTH OR ZONE

Sec. 2-T41S-R23E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

2. NAME OF OPERATOR

Phillips Petroleum Company OCT 15 1985

3. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, WY 82602

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

At surface DIVISION OF GAS & MINING

810' FSL & 510' FEL (SE SE)

14. REPORT NO.

API #43-037-16386

15. ELEVATIONS (Show whether SP, ST, or, etc.)

4440' RKB

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

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

(Other) Plug back to Zone I

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

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

It is proposed to convert Ratherford Unit #2W44, an open hole completion, from Zone I and II to Zone I water injection. After plugging back to Zone I, the well will be acidized with approximately 6000 gallons of 28% HCL, and returned 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.

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

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

SIGNED *D. C. Gill* TITLE Area Manager DATE October 8, 1985

(This space for Federal or State office use)

APPROVED BY *Leon B. Feight* TITLE VIC Manager DATE 10-18-85

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Formation Water

CL1-12A (REV. 1964).

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

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

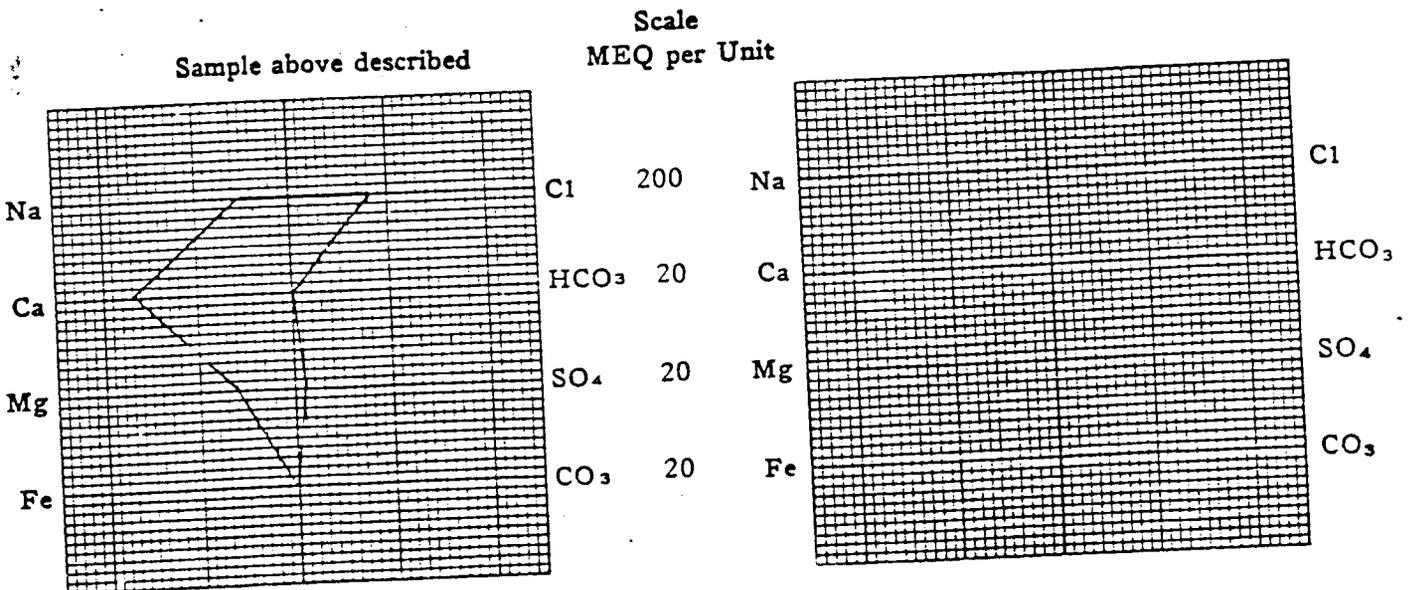
REMARKS & CONCLUSIONS: _____

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	30147	1311.38	Sulfate	1380	28.70
Potassium	429	10.98	Chloride	63000	1776.60
Lithium	--	--	Carbonate	0	0.00
Calcium	6865	342.56	Bicarbonate	151	2.48
Magnesium	1738	124.86	Hydroxide	--	--
Iron	--	--	Hydrogen sulfide	--	--
Total Cations		1807.78	Total Anions		1807.78

Total dissolved solids, mg/l	103633
NaCl equivalent, mg/l	104549
Observed pH	7.3

Specific resistance @ 68°F.:		
Observed	0.087	ohm-meters
Calculated	0.078	ohm-meters

WATER ANALYSIS PATTERN



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

WTE INJECTION WELL

CL1-12A (REV. 1964)

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

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

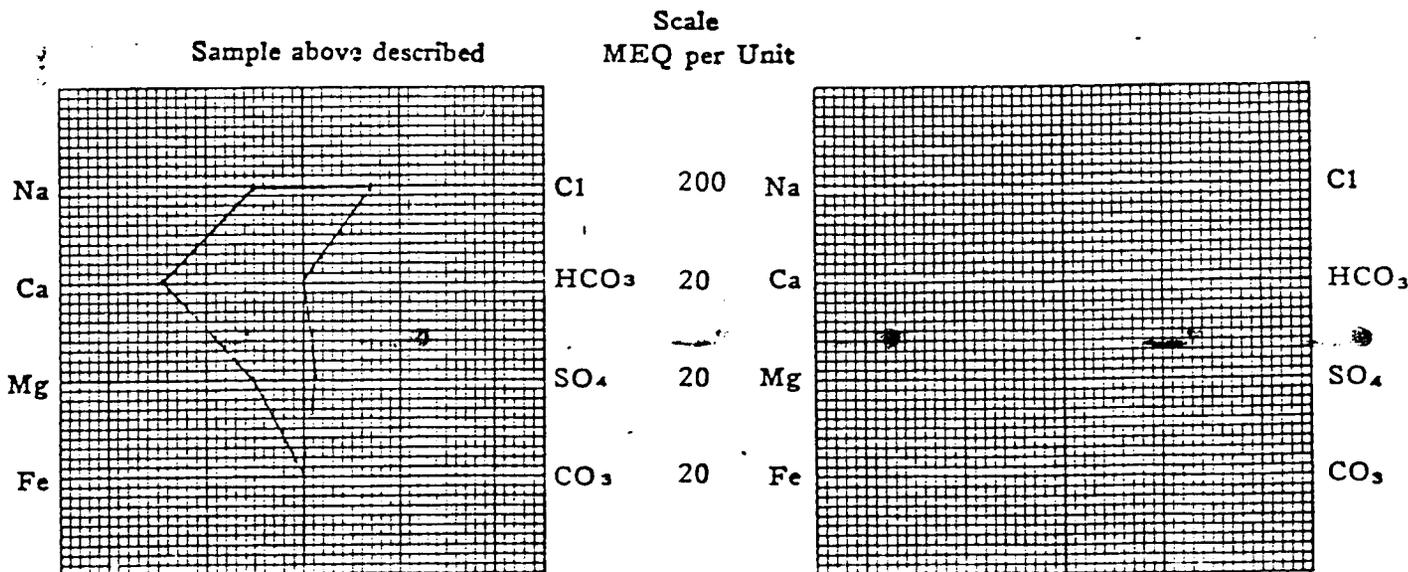
REMARKS & CONCLUSIONS: Specific gravity @68°F ----- 1.0646
 Oil and grease, mg/l ----- 2.5
 Aluminum (Al), mg/l ----- 0.90
 Iron (Fe), mg/l ----- 0.3
 Total Sulfides, mg/l ----- ND(0.1)

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

Total dissolved solids, mg/l ----- 85655
 NaCl equivalent, mg/l ----- 86344
 Observed pH ----- 7.4

Specific resistance @ 68°F.:
 Observed ----- 0.095 ohm-meters
 Calculated ----- 0.086 ohm-meters

WATER ANALYSIS PATTERN



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

Mobil Oil Corporation

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

May 14, 1986

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

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

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,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP
(Other instructions
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water Injector		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-246-A
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME SW-I-4192
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 810' FSL & 510' FEL SE SE		8. FARM OR LEASE NAME Ratherford Unit
14. PERMIT NO. API #43-037-16386		9. WELL NO. 2W44
15. ELEVATIONS (Show whether DF, ST, GR, etc.) 4440' RKB		10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 2-T41S-R23E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) Plugback to Zone I & Acidize <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.)*
June 2, 1986 through June 28, 1986 -

MI WS Unit 6/2/86. Cleaned out to 5500'. Tested sqzd Ismay Perfs (5302-32', 5/63), leak. Plug off Zone II w/Hydromite/Calseal Plug. Sqzd Ismay Perfs w/290 sx Class B Cmt. Drld out cmt. Found collapsed csg between Ismay & Zone I (5337'). Milled through collapsed csg. Set cmt retainer at 5256'. Sqzd Ismay & collapsed csg w/200 sx Class B Cmt. Cleaned out hole to 5458', New PBD. Acidized Zone I w/3600 gal 28% HCL Acid. Ran 2-3/8" Duoline Tbg and Injection Pkr. Set pkr at 5233'. RD WS Unit 6/25/86. Returned to Injection 6/28/86 from Zone I Open Hole 5370-5458'.

Injection Before - 191 BWPD
Injection After - 1304 BWPD at 2050 psi

RECEIVED
MAR 02 1987

DIVISION OF
OIL, GAS & MINING

4-BLM, Farmington, NM
2-Utah O&G CC, SLG, UT
1-M. Williams, B'Ville
1-J. Landrum, Denver
1-J. Reno, Cortez

1-Chieftain
1-Mobil Oil
1-Texaco, Inc.
1-Chevron USA
1-File RC

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

SIGNED D. C. Gill TITLE Area Manager DATE February 26, 1987

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

MAR 20 1989

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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

(former Operator - Phillips Oil Company)

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

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

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

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

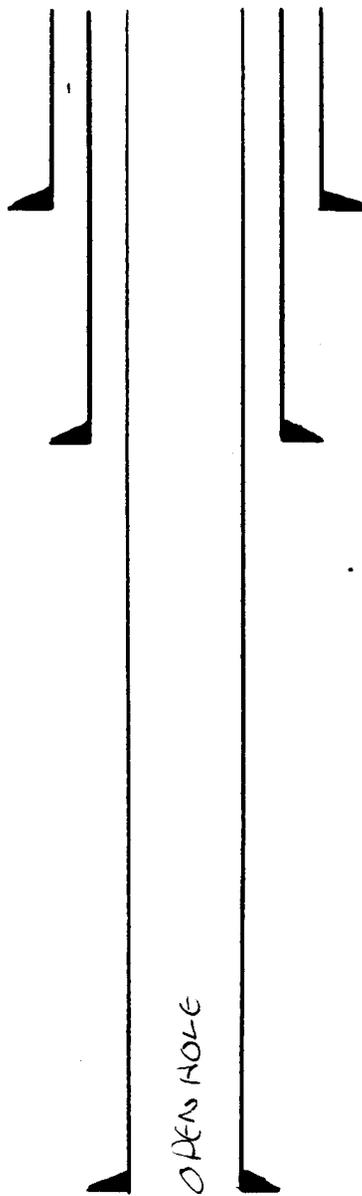
DOWNHOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 2W44
 RKB Elev. 4460'
 GL Elev. 4390'
 RKB Above GL' 10'

Location SE SE sec. 2
T41S-R23E
 Well Drld 4/19/60
 Well converted to injector 6/25/86

42 381 50 SHEETS 5 SQUARE
 42 382 100 SHEETS 5 SQUARE
 42 383 200 SHEETS 5 SQUARE
 42 384 250 SHEETS 5 SQUARE



CONDUCTOR Csg 1 3/8" @ 101'

SURFACE Csg. 8 5/8" @ 1,296'

TOC 4007' calc.

Tubing 2 3/8" @ 5245' Duoline HT2

PACKER BAKER TSN PACKER
@ 5233'

PERFS	<u>5370 - 5458</u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>
	<u> </u>	<u> </u>	<u> </u>

PBTD 5458'

PRODUCTION Csg. 5 1/2" @ 5370'
J-55 14#

All PERFS Zone I unless noted

RECEIVED

APR 29 1991

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DIVISION OF
OIL GAS & MINING

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other Water Injection

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

300 W. Arrington, Suite 200, Farmington, NM 87401, 505-599-3400

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

810' FNL & 5110' FWL, SE SE, Sec. 2-T41S-R23E

5. Lease Designation and Serial No.

14-20-603-246

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

SW-I-4192

Ratherford Unit

8. Well Name and No.

Ratherford Unit #2W44

9. API Well No.

43-037-16386

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan County, Utah

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Clean out well, UIC test
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

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

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

February 11, 1991 Through February 18, 1991

MI & RU well service unit 2/11/91. ND wellhead, NU BOP. Rel pkr. COOH w/inj tbg & 5-1/2" Otis Interlock pkr w/on-off tool. LD pkr & GIH w/ bit & scraper on workstring. Cleaned out well to PBD 5458'. COOH w/bit & scraper. GIH w/5-1/2" Otis Interlock pkr w/on-off tool & expendable tbg test plug, drifting & changing barrier rings & testing tbg to 3000 psi. Set pkr at 5229'. Tested annulus to 1000 psi. OK. Pmpd 117 bbls wtr containing 27 gals Well-Chem 840 for pkr fluid. ND BOP, NU wellhead. Pressured annulus to 1080 psi for 45 min for UIC test. OK. Hooked up injection lines, RD & MO well service, and returned well to injection 2/18/91.

Injection Rate Prior to Work - 315 BWPD @ 2050 psi
Injection Rate After Work - 373 BWPD @ 1600 psi

Distribution:

- 5 - BLM, Farmington
- 2 - Utah O&GCC
- 1 - EPA, San Francisco
- 1 - N. Anstine
- 1 - P. J. Konkell
- 1 - Chieftain
- 1 - Mobil
- 1 - Texaco, Inc.
- 1 - S. L. Ebert
- 1 - PPCo, Houston
- 1 - PPCo, Farmington

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

Signed

[Signature]

Title

Production Engineer

Date

3/8/91

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

RECEIVED

JUN 14 1991

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

DIVISION OF OIL GAS & MINING

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

14-20-603-246-4

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

SW-I-4192

Ratherford Unit

8. Well Name and No.

Ratherford Unit #2W44

9. API Well No.

43-037-16386

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other Water Injection

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

300 W. Arrington, Suite 200, Farmington, NM 87401, 505-599-3400

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

810' FNL & 510' FWL, SE SE, Sec. 2-T41S-R23E

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

TYPE OF SUBMISSION

- Notice of Intent
Subsequent Report
Final Abandonment Notice

TYPE OF ACTION

- Abandonment
Recompletion
Plugging Back
Casing Repair
Altering Casing
Other Clean out well, UIC test
Change of Plans
New Construction
Non-Routine Fracturing
Water Shut-Off
Conversion to Injection
Dispose Water

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

February 11, 1991 Through February 18, 1991

MI & RU well service unit 2/11/91. ND wellhead, NU BOP. Rel pkr. COOH w/inj tbg & 5-1/2" Otis Interlock pkr w/on-off tool. LD pkr & GIH w/ bit & scraper on workstring. Cleaned out well to PBD 5458'. COOH w/bit & scraper. GIH w/5-1/2" Otis Interlock pkr w/on-off tool & expendable tbg test plug, drifting & changing barrier rings & testing tbg to 3000 psi. Set pkr at 5229'. Tested annulus to 1000 psi. OK. Pmpd 117 bbls wtr containing 27 gals Well-Chem 840 for pkr fluid. ND BOP, NU wellhead. Pressured annulus to 1080 psi for 45 min for UIC test. OK. Hooked up injection lines, RD & MO well service, and returned well to injection 2/18/91.

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Distribution:

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2 - Utah O&GCC
1 - EPA, San Francisco
1 - N. Anstine
1 - P. J. Konkel
1 - Chieftain
1 - Mobil
1 - Texaco, Inc.
1 - S. L. Ebert
1 - PPCo, Houston
1 - PPCo, Farmington

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

Signed

Title

Date

(This space for Federal or State office use)

ACCEPTED FOR RECORD

MAY 17 1991

Approved by

Title

Date

Conditions of approval, if any:

FARMINGTON RESOURCE AREA

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

*See Instruction on Reverse Side

OPERATOR

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

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

RECEIVED

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF
OIL, GAS & MINING

AMENDED REPORT (Highlight Changes)

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

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

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

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

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT (Highlight Changes)

**931006 updated. Jee*

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

RECEIVED

SEP 13 1993

DIVISION OF OIL, GAS & MINING

COMMENTS: *PLEASE NOTE ADDRESS CHANGE. MOBIL ~~ASO~~ 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~~

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO TRIBAL

1. OIL WELL GAS WELL OTHER

7. UNIT AGREEMENT NAME

RATHERFORD UNIT

2. NAME OF OPERATOR

MOBIL OIL CORPORATION

8. FARM OR LEASE NAME

3. ADDRESS OF OPERATOR

P. O. BOX 633 MIDLAND, TX 79702

9. WELL NO.

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

At surface

At proposed prod. zone

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

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

SEP 15 1993
DIVISION OF OIL, GAS & MINING

14. API NO.

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

12. COUNTY
SAN JUAN

13. STATE
UTAH

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

NOTICE OF INTENTION TO:

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

APPROX. DATE WORK WILL START _____

SUBSEQUENT REPORT OF:

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

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

DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

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

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

SIGNED Shirley J. Judd

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

WELL #	API#	LEASE #	SEC., T, R	LOCATION OF WELL
✓01W-13	43-037-15838	14-20-603-246A	SEC. 1, T41S, R23E	NW/SW 1980 FSL; 660 FWL
✓01-14	43-037-31162	14-20-603-246A	SEC. 1, T41S, R23E	SW/SW 660 FSL; 660 FWL
✓01W-24	43-037-15939	14-20-603-246	SEC. 1, T41S, R23E	SE/SW 651 FSL; 3300 FEL
✓01-34	43-037-16385	14-20-603-246A	SEC. 1, T41S, R23E	SW/SE 4147 FNL; 1980 FEL
✓01W-44	43-037-15840	14-20-603-246A	SEC. 1, T41S, R23E	660 FSL; 661 FEL
✓02W-44	43-037-16386	14-20-603-246A	SEC. 2, T41S, R23E	SE/SE 810 FNL; 5110' FWL
✓03-14	43-037-15124	14-20-603-5445	SEC. 3, T41S, R24E	660 FSL; 660 FEL
✓03-12	43-037-15620	14-20-603-6506	SEC. 3, T41S, R24E	SW/NW 2140 FNL; 660 FWL
✓03W-42	43-037-16388	14-20-603-6505	SEC. 3, T41S, R24E	SW/NE 1980 FNL; 660 FEL
✓03-44	43-037-15031	14-20-603-6504	SEC. 3, T41S, R24E	520 FSL; 820 FEL
✓04-14	43-037-16163	14-20-603-5446	SEC. 4, T41S, R24E	500 FSL; 600 FEL
✓04-34	43-037-16164	14-20-603-4035	SEC. 4, T41S, R24E	660 FSL; 1980 FEL
✓05-34	43-037-15983	14-20-603-368	SEC. 5, T41S, R24E	SW/SE 612 FSL; 1990 FEL
✓05W-43	43-037-16392	14-20-603-368	SEC. 5, T41S, R24E	1400 FSL; 990 FEL
✓06W-14	43-037-15984	14-20-603-368	SEC. 6, T41S, R24E	SW/SW 660; FSL; 660 FWL
✓06W-23	43-037-16393	14-20-603-368	SEC. 6, T41S, R24E	1830 FSL; 1895 FWL
✓07-11	43-037-31163	14-20-603-368	SEC. 7, T41S, R24E	NW/NW 660 FNL; 710 FWL
✓07W-12	43-037-15985	14-20-603-368	SEC. 7, T41S, R24E	SW/NW 2140 FNL; 585 FWL
✓07-13	43-037-31164	14-20-603-368	SEC. 7, T41S, R24E	NW/SW 2110 FSL; 740 FWL
✓07W-14	43-037-15986	14-20-603-368	SEC. 7, T41S, R24E	SW/SW 1065 FSL; 660 FWL
✓07W-21	43-037-16394	14-20-603-368	SEC. 7, T41S, R24E	710 FNL; 1820 FWL
✓07-22	43-037-31165	14-20-603-368	SEC. 7, T41S, R24E	SE/NW 1980 FNL; 1980 FWL
✓07W-23	43-037-15987	14-20-603-368	SEC. 7, T41S, R24E	NE/SW 1980 FSL 1980 FWL
✓07-24	43-037-31166	14-20-603-368	SEC. 7, T41S, R24E	SE/SW 880 FSL; 2414 FWL
✓07W-32	43-037-15988	14-20-603-368	SEC. 7, T41S, R23E	SW/NE 1980 FNL; 1980 FEL
✓07-33	43-037-31167	14-20-603-368	SEC. 7, T41S, R24E	NW/SE 2105 FSL; 1876 FEL
✓07W-34	43-037-15989	14-20-603-368	SEC. 7, T41S, R24E	710 FSL; 2003 FEL
✓07W-41	43-037-15990	14-20-603-368	SEC. 7, T41S, R24E	NE/NE 585 FNL; 770 FEL
✓07W43	43-037-16395	14-20-603-368	SEC. 7, T41S, R24E	2110 FSL; 660 FEL
✓07-44	43-037-31189	14-20-603-368	SEC. 7, T41S, R24E	SE/SE 737 FSL; 555 FEL
✓08-12	43-037-15991	14-20-603-368	SEC. 8, T41S, R24E	SW/NW 1909 FNL; 520 FWL
✓08W-14	43-037-15992	14-20-603-368	SEC. 8, T41S, R24E	745 FSL; 575 FWL
✓08-21	43-037-15993	14-20-603-368	SEC. 8, T41S, R24E	616 FNL; 1911 FWL
✓08-23	43-037-15994	14-20-603-368	SEC. 8, T41S, R24E	NE/NW 1920 FSL; 2055 FWL
✓08-32	43-037-15995	14-20-603-368	SEC. 8, T41S, R24E	SW/NE 1980 FNL; 1980 FEL
✓08-34	43-037-15996	14-20-603-368	SEC. 8, T41S, R24E	SW/SE 660 FSL; 1980 FEL
✓08-41	43-037-15997	14-20-603-368	SEC. 8, T41S, R24E	NE/NE 660 FNL; 660 FEL
✓08W-43	43-037-16396	14-20-603-368	SEC. 8, T41S, R24E	1980 FSL; 660 FEL
✓09W-23	43-037-16398	14-20-603-5046	SEC. 9, T41S, R24E	NW/SE 1980 FSL; 1980 FWL
✓09-12	43-037-15126	14-20-603-5045	SEC. 9, T41S, R24E	1865 FNL; 780 FWL
✓09W-21	43-037-16397	14-20-603-5045	SEC. 9, T41S, R24E	660 FNL; 2080 FWL
✓09-14A	43-037-15127	14-20-603-5046	SEC. 9, T41S, R24E	710 FSL; 660 FWL
✓09-32	43-037-16165	14-20-603-4035	SEC. 9, T41S, R24E	1980 FNL; 1980 FEL
✓09W-41	43-037-16399	14-20-603-4035	SEC. 9, T41S, R24E	660 FNL; 660 FEL
✓09W-43	43-037-16400	14-20-603-4043	SEC. 9, T41S, R24E	1980 FSL; 660 FEL
✓10W-23	43-037-16402	14-20-603-4043	SEC. 10, T41S, R24E	1980 FSL; 1980 FWL
✓10-14	43-037-15713	14-20-603-4043	SEC. 10, T41S, R24E	510 FSL; 710 FWL
✓10-12	43-037-15712	14-20-603-4043	SEC. 10, T41S, R24E	660 FWL; 1980 FNL
✓10W-21	43-037-16401	14-20-603-4043	SEC. 10, T41S, R24E	810 FNL; 1980 FWL
✓10-34	43-037-16166	14-20-603-4037	SEC. 10, T41S, R24E	620 FSL; 1860 FEL
✓10W-43	43-037-16403	14-20-603-4037	SEC. 10, T41S, R24E	1980 FSL; 550 FEL
✓11-41	43-037-31544	14-20-603-246A	SEC. 11, T41S, R23E	NE/NE 860 FNL; 350 FEL
✓11-42W	43-037-15841	14-20-603-246	SEC. 11, T41S, R23E	3290 FNL; 4617 FEL
✓11-43	43-037-31622	14-20-603-246A	SEC. 11, T41S, R23E	1980 FSL; 660 FEL
✓11W-44	43-037-15842	14-20-603-246A	SEC. 11, T41S, R23E	SE/SE 660 FSL; 558 FEL
✓12W-11	43-037-15843	14-20-603-246A	SEC. 12, T41S, R23E	NW/NW 678 FNL; 4620 FEL
✓12-12	43-037-31190	14-20-603-246A	SEC. 12, T41S, R23E	SW/NW 1850 FNL; 660 FWL
✓12W-13	43-037-16404	14-20-603-246A	SEC. 12, T41S, R23E	1980 FSL; 4620 FEL
✓12-14	43-037-15844	NA	SEC. 12, T41S, R23E	660 FNL; 4622 FWL
✓12-21	43-037-31201	14-20-603-246A	SEC. 12, T41S, R23E	NE/NW 660 FNL; 1980 FWL
✓12W-22	43-037-15845	14-20-603-246	SEC. 12, T41S, R23E	NA
✓12-23	43-037-15846	14-20-603-246A	SEC. 12, T41S, R23E	1958 FNL; 3300 FWL
✓12W-24	43-037-31151	14-20-603-246A	SEC. 12, T41S, R23E	775 FSL; 1980
✓12-32	43-037-31203	14-20-603-246A	SEC. 12, T41S, R23E	SW/NE 1820 FNL; 1820 FEL
✓12W-33	43-037-15848	14-20-603-246A	SEC. 12, T41S, R23E	NW/SE 1957 FSL; 1981 FEL
✓12-34	43-037-31126	14-20-603-246A	SEC. 12, T41S, R23E	SW/SE 675 FSL; 1905 FEL
✓12-41	43-037-15849	14-20-603-246A	SEC. 12, T41S, R23E	656 FNL; 660 FEL
✓12W-42	43-037-15850	14-20-603-246A	SEC. 12, T41S, R23E	3275 FSL; 662 FEL

PAID RECEIVED

SEP 13 1993

DIVISION OF OIL, GAS & MINING

PAID PAID

PAID PAID

14-20-603-246

SE NW 1920 FNL 2080 FWL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

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

CURRENT OPERATOR

Transfer approved by:

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

Comments:

NEW OPERATOR

Transfer approved by:

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

Comments:

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

Lisha Cordova (801) 538-5340

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, 61RN

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, 61RN

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

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

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

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

FINDINGS OF FACT

The Commission finds that:

1. The unitized operation of the Ratherford Unit Area will enable pressure maintenance operations to be initiated and permit such Area to be operated in a manner which will prevent waste, protect correlative rights and result in greater ultimate recovery of oil and gas.
2. The Ratherford Unit Agreement has been approved by the various signatory parties as fair, reasonable and acceptable.
3. The water injection pressure maintenance program proposed by the applicant appears to be proper and designed to result in the greatest economic recovery of oil and gas to the end that all concerned, including the general public, may realize and enjoy the greatest good from the oil and gas resources of the unitized lands.

ORDER

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

1. Unit operation of the Ratherford Unit Area under the Ratherford Unit Agreement is approved.
2. The plan and program of water injection pressure maintenance operations proposed by applicant in its application filed herein should be and the same is hereby approved and the unit operator is authorized to proceed with and under such plan and program as soon as the Ratherford Unit Agreement becomes effective and operative.
3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

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

Dated this 13th day of September, 1961.

THE OIL AND GAS CONSERVATION
COMMISSION OF THE STATE OF UTAH


Edward W. Clyde, Commissioner, presiding


C. R. Henderson, Chairman


M. V. Hatch, Commissioner


C. S. Thomson, Commissioner

Walter G. Mann, Commissioner

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.

Let's Ratherford Unit (GC)

RECEIVED
BLM

SEP 27 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

MINERALS DIVISION
NO. 192
DATE
FILE NO.
3
2
FILED
ALL SUPPLY
FILED

Dear Mr. Cox:

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

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

Sincerely,

ACTING Area Director

Enclosure

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

RECEIVED
BLM

DESIGNATION OF OPERATOR

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

JUN 27 11:44

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

070 FARMINGTON, NM

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

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

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

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

Attached hereto as Exhibit "A"

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

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

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

Attached is the appropriate documentation relevant to this document.

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

Phillips Petroleum Company

June 17, 1993

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

Mobil Exploration and Producing
North America Inc.

June 11, 1993

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

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

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

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

EXHIBIT "A"

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

EXHIBIT "C"

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

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

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

(Location) Sec ___ Twp ___ Rng ___
(API No.) _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
OPERATOR CHANGE

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

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

Name GLEN COX (Initiated Call - Phone No. (915)688-2114
of (Company/Organization) MOBIL

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

4. Highlights of Conversation: _____

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

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

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

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1	VLC/47-93
2	DEG/58-93
3	VLC
4	RJFY
5	TEC
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: **SEE ATTACHED**	API: <u>43-037-16386</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

MICROFILMING

- 1. All attachments to this form have been microfilmed. Date: 11.17 1993.

FILED

- 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.

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

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____
(Location) Sec _____ Twp _____ Rng _____
(API No.) _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
OPER NM CHG _____

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

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

Name R. J. FIRTH (Initiated Call) - Phone No. (_____)
of (Company/Organization) _____

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

4. Highlights of Conversation: _____

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.

*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing	
1- LVC ✓	7- PL ✓
2- LWP ✓	8- SJ ✓
3- DB ✓	9- FILE ✓
4- VLC ✓	
5- RJF ✓	
6- LWP ✓	

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

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

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

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

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

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

Name: <u>** SEE ATTACHED **</u>	API: <u>037-16386</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* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- Lee* 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19__.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

FILMING

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

FILING

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

COMMENTS

950803 LIC F5/Not necessary!

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

14-20-603-246A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 2-W-44

9. API Well No.

43-037-16386

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702 (915) 688-2585

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

SEC: 17, T41S, R24E
(NE/SE) 1980' FSL & 660' FEL

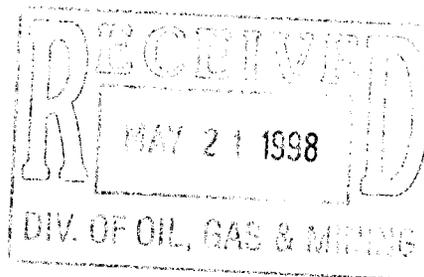
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

SEE ATTACHED MIT AND CHART



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

Signed

Shirley Houchins

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 5-18-98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator Mobil E. & P., Inc. Date of Test 2-26-98
 Well Name RU # 2W-44 EPA Permit No. _____
 Location Sec. 2, T41S-R23E Tribal Lease No. 14-20-603-246A
 State and County San Juan County, Utah

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

<u>TIME</u>	<u>ANNULUS PRESSURE, psi</u>	<u>TUBING PRESSURE, psi</u>
<u>1:15</u>	<u>1000</u>	<u>2950</u>
<u>1:20</u>	<u>990</u>	<u>2950</u>
<u>1:25</u>	<u>980</u>	<u>2950</u>
<u>1:35</u>	<u>980</u>	<u>2950</u>
<u>1:45</u>	<u>975</u>	<u>2950</u>

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

PASSED TEST

FRITZ JOHNSON [Signature] 2-26-98
 COMPANY REPRESENTATIVE: (Print and Sign) DATE
Melvin Capitan Jr. [Signature] 2-26-98
 INSPECTOR: (Print and Sign) DATE

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF INSPECTION

Address (EPA Regional Office)

Region 9
Environmental Inspection Agency
215 Fremont Street (W-6-2)
San Francisco, CA 94105

Inspection Contractor

Navajo Nation EPA
GPC Program
P.O. Box 1979
Shiprock, NM 87420

Firm To Be Inspected

Mobil E. & P., Inc.
P.O. Box Drawer G
Cortez, CO 81321

Date 2-26-98

Hour 9:00 am

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.).

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# 1W-24, WATER INJECTION WELL, M.I.T. - PASSED
RU# 6W-14, WATER INJECTION WELL, M.I.T. - PASSED
RU# 7W-12, WATER INJECTION WELL, M.I.T. - PASSED
RU# 7W-14, WATER INJECTION WELL, M.I.T. - PASSED
RU# 2W-44, WATER INJECTION WELL, M.I.T. - PASSED
RU# 11W-44, WATER INJECTION WELL, M.I.T. - PASSED
RU# 7W-41, 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

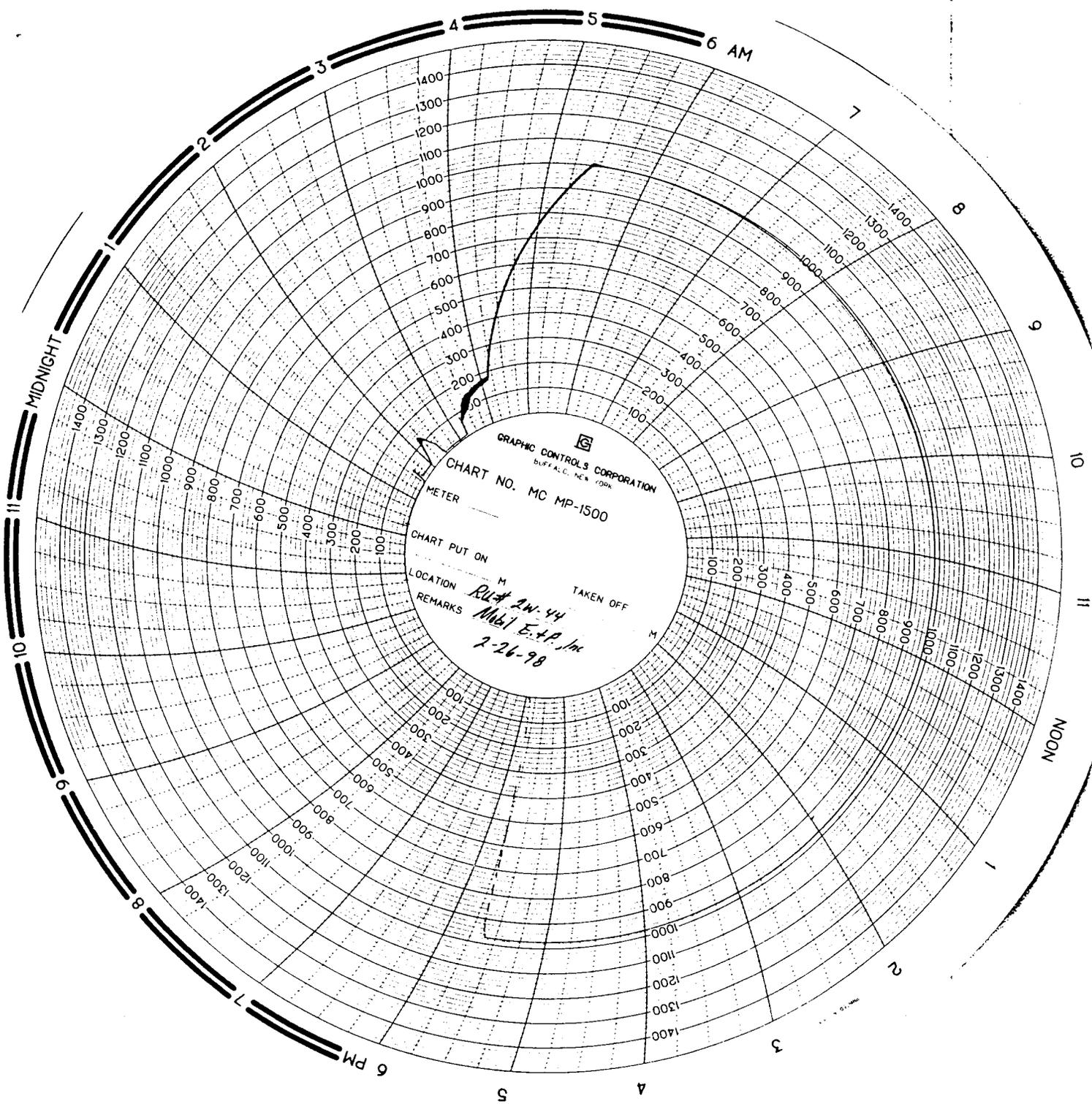


Date

2-26-98

Inspector





GRAPHIC CONTROLS CORPORATION
BUFFALO, N.Y. 10206

CHART NO. MC MP-1500

METER

CHART PUT ON

LOCATION

REMARKS

TAKEN OFF

Room 2W-44
Mail E.P. Inc
7-26-98

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

14-20-603-246A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 2-W-44

9. API Well No.

43-037-16386

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702 (915) 688-2585

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

SEC. 2, T41S, R23E
(SE/SE) 810' FSL & 510' FEL

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

TYPE OF SUBMISSION

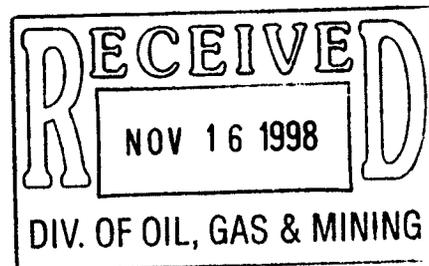
- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- | | |
|---|--|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| <input checked="" type="checkbox"/> Other <u>CASING ANNULUS</u> | <input type="checkbox"/> Dispose Water |
- (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

SEE ATTACHED PROCEDURE.



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

Signed

Shirley Houchins

Title

SHIRLEY HOUCHINS/ENV & REG TECH

Date

11-13-98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Ratherford Unit #2-44

12. Continue cleaning out hole until fill is tagged. Clean out to 5458' (PBTD).
13. POH w/ workstring and drill collars and bit and lay down.

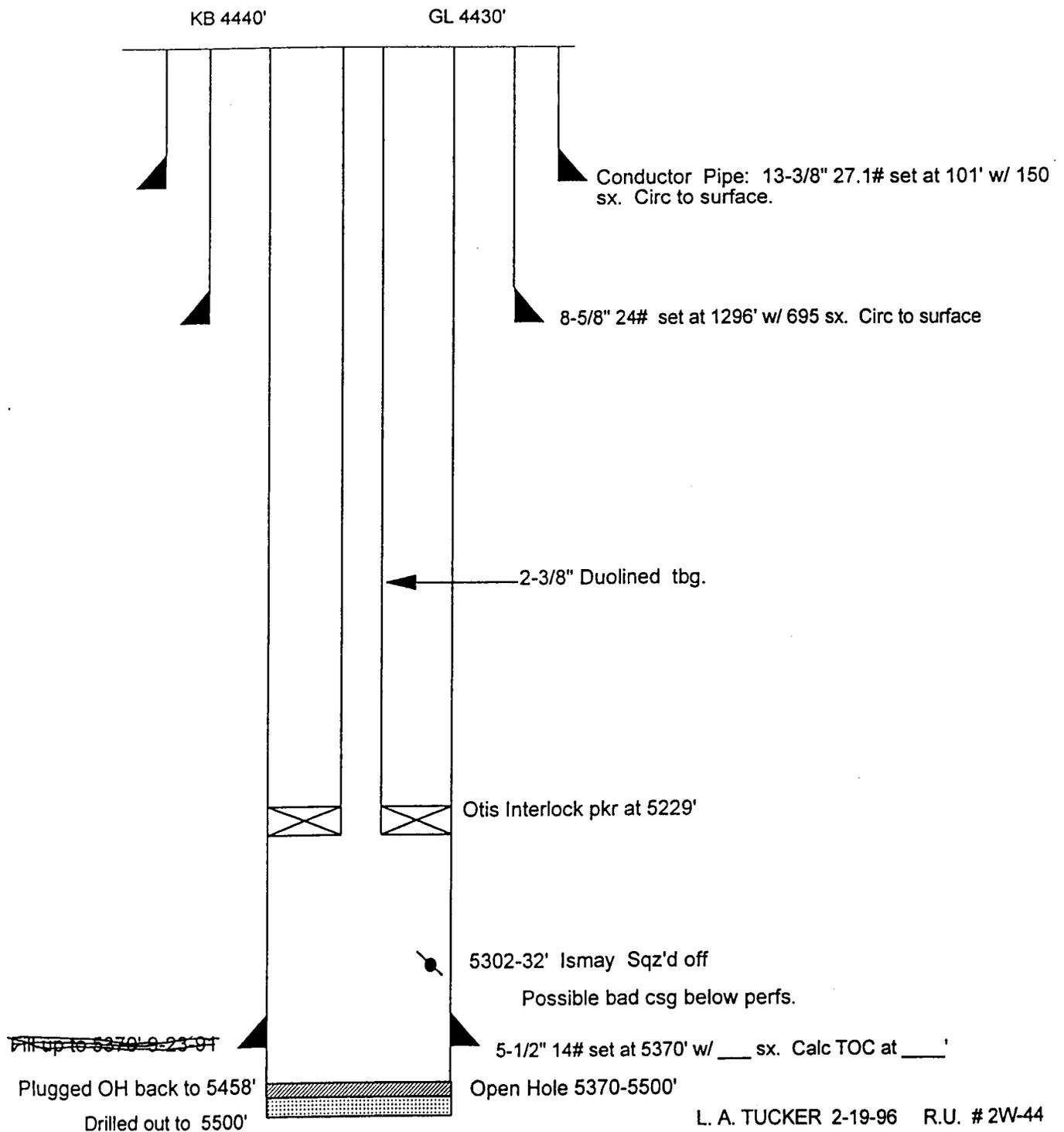
Call Navajo EPA to schedule them for witnessing MIT test once equipment has been run back in the hole.

14. PU new packer with on/off tool (pump out plug or disc can be used) and duolined tubing and RIH. Set pkr @ 5229'.
15. J-off on/off tool and circ pkr fluid. J-on on/off tool and ND BOP's.
16. NU wellhead. Run MIT test with witness from Navajo EPA. Test casing to 1000 psi and chart. *Send copy of chart to Shirley Houchins in Midland and keep copy for files. Make sure the name of the well is on the chart.*
17. RDMO.

RATHERFORD UNIT # 2W-44
GREATER ANETH FIELD
810' FSL & 510' FEL
SEC 2-T41S-R23E
SAN JUAN COUNTY, UTAH
API 43-037-16386
PRISM 0042917

INJECTOR

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



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 reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

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

5. Lease Designation and Serial No.

14-20-603-246A

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 2-W-44

9. API Well No.

43-037-16386

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

MOBIL PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702 (915) 688-2585

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

SEC. 2, T41S, R23E
(SE/SE) 810' FSL & 510' FEL

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

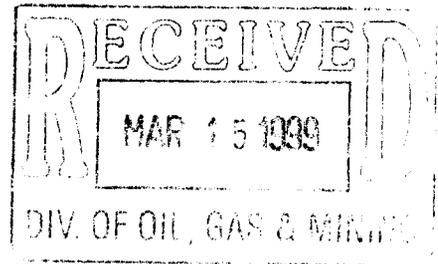
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/>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

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

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

SUNDRY ATTACHEMENT (01-20-99 -- 02-08-99) CASING REPAIR AND

PASSED MIT CHART 2-08-99.



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

Signed Shirley Houchins for

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 03-10-99

(This space for Federal or State office use)

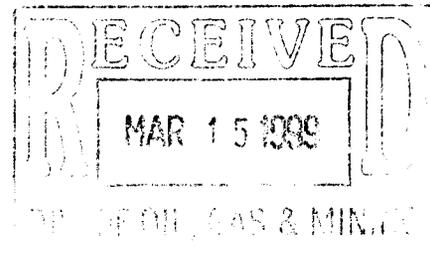
Approved by _____

Title _____

Date _____

Conditions of approval, if any:

ATTACHMENT – FORM 3160-5
RATHERFORD UNIT – WELL #2-W-44
14-20-603-246A
NAVAJO TRIBAL
SAN JUAN, UTAH



01-20-99 MIRU MONTEZUMA #15. RIG UP PUMP & PIT. ND PROD WH. RU & KILL TBG W/KILL FLUID. NU BOPE. REL F/ ON/OFF TOOL SIFN. CALLED NAVAJO EPA @ 8:21 ON 1-20-99 (CHARLENE MANUELITO). CALLED BLM @ 8:40 ON 1-20-99 (MARK KELLY ANSWERING MACHINE).

01-21-99 SIP @ 7:30 WAS 300 PSI. FLOW WELL DN F/300 TO 200 PSI. RU & KILL WELL W/KILL FLUID. RIH & LATCH ONTO PKR. REL PKR. POH F/5229-4050'. SIFN.

01-22-99 SIT & CSG. PRESS @ 7:30 WAS 50 PSI. RU & KILL WELL W/KILL FLUID. POH W/PROD PKR. CHANGE OUT RAMS & RUNNING TOOL SET RETV BRIDGE PLUG. DUMP SAND TEST TO 1000 PSI FOR 30 MIN. OK. SIFN.

01-23-99 SIP @ 7:30 WAS 0 PSI. MIRU BASIN WL UT. RIH & PERF CSG F/1347-1351' W/4" GUN, 4JSPF F/1347-1351', TOTAL 16 SHOTS. RIH W/PKR TO 1288', SET PKR, CIRC W/FW, RIH & SET CMT RET. SIFN.

01-24-99 SIF WEEKEND.

01-25-99 SIP @ 7:30 WAS 0 PSI. STING INTO CMT RET. @ 1284'. DOWELL SQUEEZE PERFS F/1347-1351' W/265 SXS OF CLASS 'B' CMT + . TBG PRESSURE 200 PSI, CSG PRESSURE 500 PSI. REVERSE OUT 20 SX. 265 SXS IN FORMATION. PULL OUT OF RET & REVERSE CLEAN. SIFN.

01-26-99 SIP @ 7:30 WAS 0 PSI. RUN ON WORKSTRING. TAG CMT. @ 1253'. DRLG OUT CMT TO 1284'. RET. F/1284-1285'. CIRC. CLEAN. SIFN.

01-27-99 SIP @ 7:30 WAS 0 PSI. RIH F/1254' TO 1285'. DRLG OUT CMT RET. F/1285-1359'. CIRC HOLE CLEAN. RU & TEST CSG TO 1000 PSI. LOST 150 PSI IN 30 MIN. SIFN.

01-28-99 SIP @ 7:30 WAS 0 PSI. TEST CSG TO 1000 PSI. LEAKED OFF. DOWELL UNABLE TO MIX & PUMP CMT. W/O PUMP TRUCK. SIFN.

01-29-99 SIP @ 7:30 WAS 0 PSI. MIRU DOWELL CMT UT. TEST CSG TO 1000 PSI FOR 30 MIN. LEAKED OFF. RIH W/TBG TO 1375'. DOWELL MIX & PUMP 50 SXS OF 65/35 CLASS 'B' CMT. +. REC.V. OUT EXCESS CMT TO PIT. LOAD CSG & STAGE CMT INTO CSG PERFS F/1347-1351' W/.25 BBL CMT INTO FORMATION. CSG HOLDING 1200 PSI. RDMO DOWELL, WELL SI.

01-30-99 W/O CMT TO SET UP

02-01-99 SITP 150#. BLED OFF TEST CSG TO 1000# 30 MIN, BLED DN TO 980, RIH W/DRLG TOOLS DRLG CMT F/1263-1348', GOOD HARD CMT. CIRC CLEAN. PU, SWISDFN.

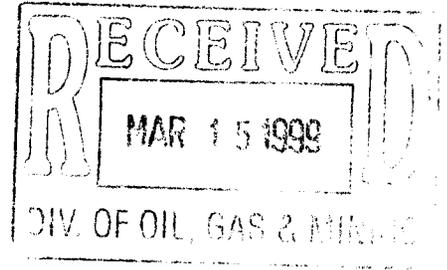
02-02-99 PU SWIVEL CONT. DRLG CMT F/1348-1368', RIH TO 1418', CIRC CLEAN TEST TO 1000# OK. SWISDFN.

02-03-99 TEST CSG SQZ TO 1000# 30 MIN OK. POOH W/DRLG TOOLS, RIH W/RET TOOL, WASH SD & DEBRE OFF, CIRC KILL FLUID & PUMP ON RPB TO REL. NO SUCCESS. SWISDFN.

02-04-99 SITP @ 0#. POOH W/RET BRIDGE PLUG, RIH W/MILL DC'S TBG. SWISDNF.

02-05-99 SITP/CSG SLITE VAC. RIH W/MILL TAG @ 5353', CIRC & CO TO OH PBD @ 5458', CIRC CLEAN, POOH W/TBG WELL STARTED TO FLOW KILL, POOH W/TBG DC'S MILL, RIH W/G-6 PKR, SET @ 5218'. SWISDFN.

**ATTACHMENT – FORM 3160-5
RATHERFORD UNIT – WELL #2-W-44
14-20-603-246A
NAVAJO TRIBAL
SAN JUAN, UTAH
PAGE 2**

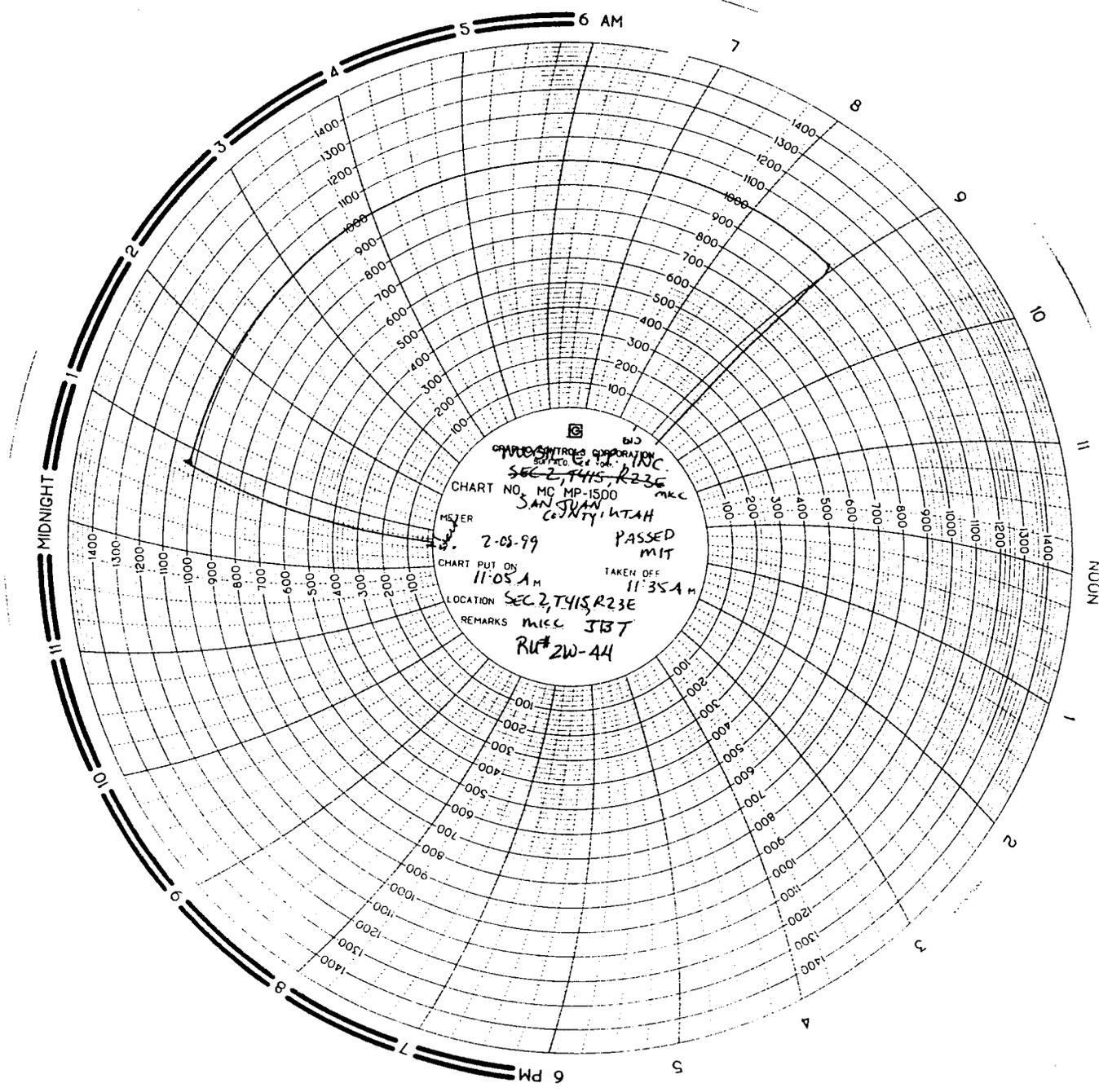


02-06-99 SIP 0#, LD WS TBG, RIH W/DC'S LD SAME, RI LD DUO-LINE TBG, RE
SET PKR @ 5221.61', TEST TO 1000# HELD OK. SWISDFN.

02-07-99 WO PKR FLUID, NIP DN INSTALLED WELL HEAD, TEST CSG PKR TO
1000# , OK RD CLEAN LOC. RDMO. NOTIFIED NAVAJO EPA 2-05-99 @
13:45 (NOVEANA) TO DO MIT TEST SUNDAY.

02-08-99 MIRU MONTEZUMA HOT OIL TRUCK, RU & RUN MIT TEST PSI CSG &
PKR TO 1020, 30 MIN. 1000# W/SITP 140#, SURF CSG 0#, WITNESSED
BY NAVAJO EPA(MELVINA CLAH). RDMO. RINAL REPORT TURN
WELL TO PRODUCTION.

03-10-99 CHART ATTACHED TO SUNDRY.



RECEIVED
 MAR 13 1999
 DIV OF OIL, GAS & MIN.

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.
Rutherford 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
43.037.16386

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

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

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)
Mark Del Pico
Signature *M. Del Pico*
Title Regulatory Specialist
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
Office
ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: *[Signature]*

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 2-W-44 / API # 43-037-16386

SEC2 -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 5175'. Circ calculated kill fluid down the casing and up the tbg to establish well control.
Note – The well may already have been killed with calculated KWM prior to step 1.
- (2) MIRU PU. Pick up on tbg and LD 1st joint. PU compression set pkr (storm valve) and RIH and set in compression. Monitor the well for pressure for a least one hour.
- (3) Once well control has been re-confirmed, proceed to spear production csg hanger and relieve tension.
- (4) Proceed to cut off lower csg head and weld on the 5000psi replacement wellhead.
- (5) NU BOP/Hydril. Pick up pkr setting joint and left-handed thread and retrieve pkr (storm valve).
- (6) MIRU Campbell's tbg testers.
- (7) Release pkr and POOH hydrotesting each joint and LD first joint and SB remaining 160 2 3/8" Duoline tbg and LD all joints that fail 3500psi test.
- (8) LD 5 1/2" x 2 3/8" Otis Interlock pkr.
- (9) RDMO Campbell tbg testers.
- (10) PU redressed 1.5" profile w/ pump out plug, 5 1/2" x 2 3/8" pkr, and 5 1/2" x 2 3/8" on/off tool. RIH on 2 3/8" tbg.
- (11) Set pkr @ 5229' +/- 10' and test to 1000 psi.
- (12) Release on/off tool, circ. Pkr. Fluid (140bbls of freshwater w/ 59gal of Baker Petrolite CRW 132F) latch on to pkr.
Note – Volume based on a pkr setting depth of 5229' + 10 % of total volume.

Continued

(13) ND BOP/Hydril, NU WH.

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

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

(15) Clean location RDMO PU.

**Rutherford 2W44
WELL ID
API # 43-037-16386
SEC 2 -T41S- R23E**

OVERALL OBJECTIVE:
 (1) Kill well
 (2) Pull equipment and switch out wellhead
 (3) RIH w/ tbg, on/off tool, profile, and pkr.

Conductor Csg - 13 3/8", 27.1#,
101' w/ 150sx

Surface Csg - 8 5/8", 24#,
1296' w/ 695sx

2 3/8" Duolined Tbg

Surface Csg Shoe @1296'

EXISTING EQUIPMENT

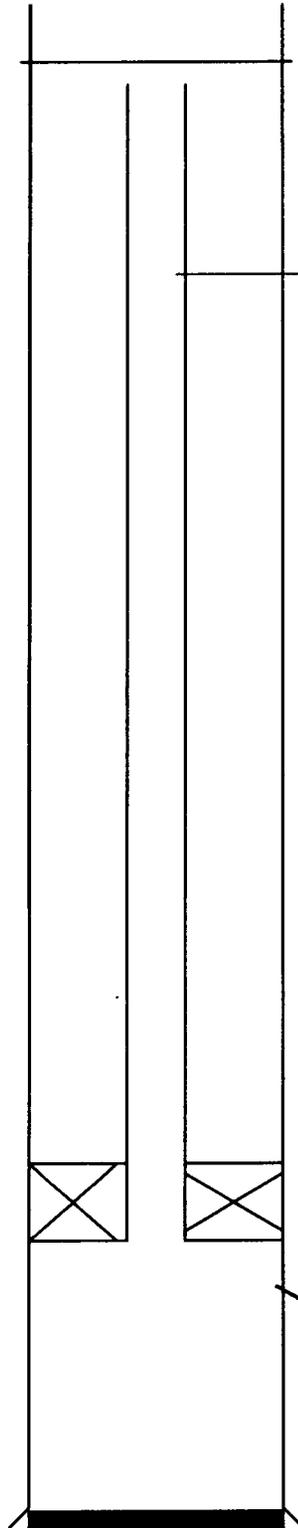
Run time - 2/18/91

- 161jts 2 3/8" Duolined tbg
- 5.5" on/off tool
- 5.5" Otis Interlock pkr

note - no profile recorded in well history

NEW EQUIPMENT INFO

- New 5000psi wellhead
- 161jts of 2 3/8" Duolined tbg
- 5 1/2" x 2 3/8" on/off tool
- 5 1/2" x 2 3/8" Otis Interlock pkr @ 5229'
- 1.781" or 1.5" profile w/ pump out plug



5 1/2" Otis Interlock pkr @5229' depth

Perfs
5302'-5332' Ismay Sqz'd off

- Plugged open hole back to 5458'
- Drilled out to 5500'

5 1/2", 14#, @5370'
Fill up to 5370' 9/23/91

Open hole 5370' -
5500'

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.
14-20-603-246A

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 2W44

9. API Well No.
43-037-16386

GREATER ANETH

11. County or Parish, State
SAN JUAN UT

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

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

2. Name of Operator
Mobil Producing TX & NM, Inc.

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
(SE/SE) 810' FSL & 510' FEL Sec 2 T41S R23E

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 Wellhead Replacement
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

Attached please find a summary of work performed on Ratherford Unit #2W44 from 6/28/01 to 7/14/01.

Kim S. Lynch
Sr. Staff Office Assistant
ExxonMobil Production Company
a division of Exxon Mobil Corporation, acting for
Mobil Producing Texas & New Mexico, Inc.

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

Name (Printed/Typed) Kim Lynch	Title Sr. Staff Office Assistant
Signature <i>Kim Lynch</i>	Date 11/14/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

**Ratherford Unit #2W44
San Juan County, Utah
14-20-603-246A**

2001/06/28 (Thursday)

REPORT CREATED BY LARRY ROAN. MI SPOT EQUIPMENT. FB WELL 3 HRS. SD, SION.

2001/06/29 (Friday)

SITP = 2200#. SICP = 0#. FB 250 BPW @ 5 HRS. RU PUMP LINES. DSON. 5 HRT.

2001/07/02 (Monday)

SITP = 2200#. SICP = 0#. FB 200 PBW @ 8 HRS. RU DURING FB. 8 HRT.

2001/07/03 (Tuesday)

STANDBY

2001/07/05 (Thursday)

STANDBY

2001/07/06 (Friday)

STANDBY

2001/07/09 (Monday)

SITP = 2000#. SICP = 300#. RU&T TEFTTELLER, ATTEMPT TO SET PLUG IN 1.5 PN, NO SUCCESS. POH, RD TEFTTELLER. FB 150 BPW. SI, SDON. 8 HRT

2001/07/10 (Tuesday)

Ouw & BLED TBG TO 1800#. SICP = 0#. RU&T WWLS, RIH & PERF @ 4 SPF 10' ABOVE PRK. POH, RD WWLS, RU & PUMP 110B 17.2# MUD DOWN CSG, W/O PUMP 30B 17.2# DOWN TBG; WELL DEAD. SD, SI & SWON. 10 HRT.

2001/07/11 (Wednesday)

SIP = 0#. OUW & ND TREE. RU BOPE/ HYDRIL, FT BOP, RU FLOOR, UN-JAY ON/OFF TOOL, REL PKR & POH TOTAL 162 JTS. LD OLD BHA, PU NEW EQUIPT & RIH. SET PKR, JAY OFF ON/OFF TOOL, & LD JT. RU & CIRC OUT 17.2# MUD W/130 BPW. SD, SI & SWON. 13.5HRT.

2001/07/12 (Thursday)

SIP = 0#. OUW, POH, LD 3 JTS. PU STORM VALVE, & RIH&S. RD FLOOR, ND & SET OUT BOPE. DIG OUT AROUND WH, CUT OFF & WELD ON NEW "A" SECTION. NU "B" SECTION, NU&T BOPE. RU FLOOR, RET STORM VALVE, POH 42 STDS. DS, SI & SWON. 12 HRT

Ratherford Unit #2W44
San Juan County, Utah
14-20-603-246A

2001/07/13 (Friday)

SIP = 0#. OUW & POH. RU CT & RIH, TT 4000#, ALL TBG TESTED. PU DONUT & S/O. RU PT & CIRC 100 BBL PKR FLUID. J ON ON/OFF TOOL, RD FLOOR, ND & SET OUT BOPE & NU TREE. SDOWE. TRH 12. EQUIPMENT RIH: 12' RKB, 1 JT TBG @ 31.65 (12'), 1-8' SUB @ 8.1 (44), 1-4' SUB@4.02(52), 161 JTS TBG@ 5168.26'(55'), 1-5 1/2 X 2 3/8 XL ON/OFF TOOL W/ 316SS 1.5F NIPPLE@2.2' (5224'), 1-5 1/2 X2 3/8 G-6 PKR@ 3.7' (5226'), 1-6'SUB 316 SS @6.1'(5230'), 1-2 3/8X 1.43R NIPPLE@.84'(5236'), & 1-2 3/8 RE-ENTRY GUIDE@ .42'(5237'), W/BTM OF STRING@5237'. ALL TBG RIH DUO-LINED 2 3/8. PKR SET 13K# COMP.

2001/07/14 (Saturday)

RDMO.

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.

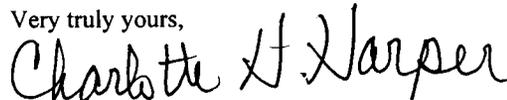
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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 1	<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

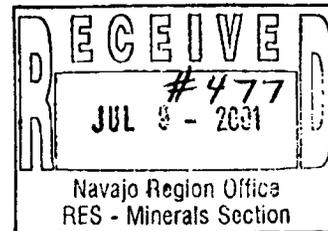
AS 7/12/2001
SN
543
File

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.

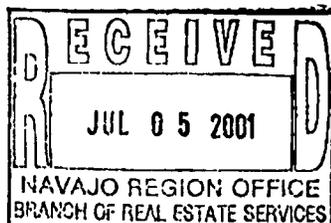
If you have any questions , please contact Alex Correa at (713) 431-1012.

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.

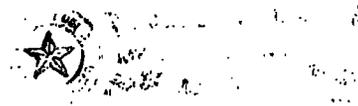
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

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**Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

One Chubb Plaza, Suite 1900, Houston, Texas 77027-3307
Houston, TX 77027-4600 • Fax: (713) 297-4750

NW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior Bureau of Indian Affairs

in the amount of \$150,000.00

bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001 the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation

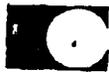
By:



FEDERAL INSURANCE COMPANY

By:

Mary Pierson
Mary Pierson, Attorney-in-fact



**Chubb
Surety**

**POWER
OF
ATTORNEY**

**Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company**

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

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

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

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

Kenneth C. Wendel
Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
County of Somerset

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



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

Karen A. Price
Notary Public

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

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

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

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

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



Kenneth C. Wendel
Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (808) 903-3485 Fax (808) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

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

CSC

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

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

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

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

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

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

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

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

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

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

CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 07:06 NO.132 03/04

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

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



F. A. Risch, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

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



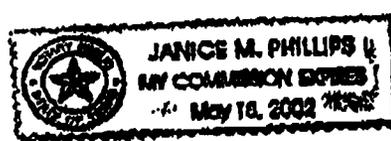
F. L. REID, Secretary

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

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



CSC
CSC

5184334741

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

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

100 cc

**STATE OF NEW YORK
DEPARTMENT OF STATE**

Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

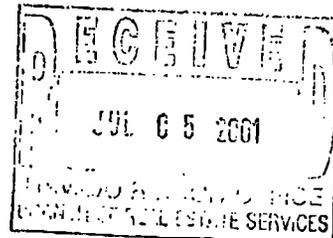
5949 Las Colinas Blvd.
(Mailing address)

TAX \$ _____
BY: *SAC*

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

ny Albany

Cost Ref # 165578 MPJ



010601000195

State of New York }
Department of State } ss:

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

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



A handwritten signature in black ink, appearing to read "J. H. ...", with a long horizontal line extending to the right.

Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

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

CA No. Unit: RATHERFORD

WELL(S)

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

7. **Federal and Indian Units:**

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

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

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

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

NOTE: EPA ISSUES UIC PERMIT

DATA ENTRY:

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

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

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

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

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

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

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

The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 6/1/2006

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

Transfer approved by: 
 Title: Field Operations Manager Approval Date: 6/12/06

Comments:

RECEIVED
APR 24 2006

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		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>		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		COUNTY: <u>San Juan</u>
		STATE: <u>UTAH</u>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input 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

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

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

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

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

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

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

NAME (PLEASE PRINT) Laurie Kilbride TITLE Permitting Supervisor

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

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

RECEIVED
APR 21 2006

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

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

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

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-246A
SUNDRY NOTICES AND REPORTS ON WELLS 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 7. UNIT or CA AGREEMENT NAME: RATHERFORD
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: N DESERT CR 44-2 (2-44)
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037163860000
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202	PHONE NUMBER: 303 534-4600 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0810 FSL 0510 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 02 Township: 41.0S Range: 23.0E Meridian: S	9. FIELD and POOL or WILDCAT: GREATER ANETH COUNTY: SAN JUAN STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/19/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Resolute proposes to P&A the subject well after extensive efforts to repair the 5-1/2" production casing damage at several different depths and install a liner. It is believed that if a future injector is needed in this area, a sidetrack or lateral from another wellbore can meet this need.

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

Date: April 18, 2013
By: Dark Quist

NAME (PLEASE PRINT) Sherry Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 4/18/2013	

Ratherford Unit 2W-44

810' FSL & 510' FEL

Sec 2, T41S, R23E

San Juan County, Utah

API 43-037-16386

PRISM 0042917

***Objective:** After extensive efforts to repair 5-1/2" production casing damage at several different depths and install a liner, Resolute has decided to P&A this wellbore. It is believed that if a future injector is needed in this area, a sidetrack or lateral from another wellbore can meet this need.*

Plug & Abandon Procedure (Sundry – Notice of Intent)

1. Continue cleaning out to ~4400' (RBP @ 4600').
2. Run cement bond log from as deep as possible back to ~4000'; tie into previous CBL at 4100'.
3. Evaluate cement top vs Hermosa top at 4300'.
4. Perforate holes for squeeze per CBL results; if cement top is below the Hermosa top, perforate ~4355-56' at 4 SPF, or just above the cement top if it is above this depth. (If cement top is higher than 4250', no perforating is required; sqz to be done through damaged csg at 4156').
5. Set a CICR at ~4100' to perform the cement squeeze.
6. Mix & pump sufficient cement to fill the 5-1/2" x 7-7/8" annulus from 4156' down to cement top, and inside pipe 4100' down to 4355' and 4100' up to 3200', plus 50% excess.
7. Apply pressure to the backside and squeeze down workstring to 1200 psi max pressure. Sting out of CICR & lay in cement up to 3200'. Reverse out any excess cement.
8. Spot balanced upper cement plug in the wellbore from 2530' up to 1200'.

9. Spot surface plug from 55' back to surface.
10. Pump cement down bradenhead x 5-1/2" annulus from the surface.
11. ND BOP's.
12. RDMOL.
13. Dig down & cut off wellhead.
14. Install P&A marker.
15. Cut off anchors, clean & restore location.

RATHERFORD UNIT # 2W-44
GREATER ANETH FIELD
 810' FSL & 510' FEL
 SEC 2-T41S-R23E
 SAN JUAN COUNTY, UTAH
 API 43-037-16386
 PRISM 0042917

INJECTOR
Current Status
02/26/2013

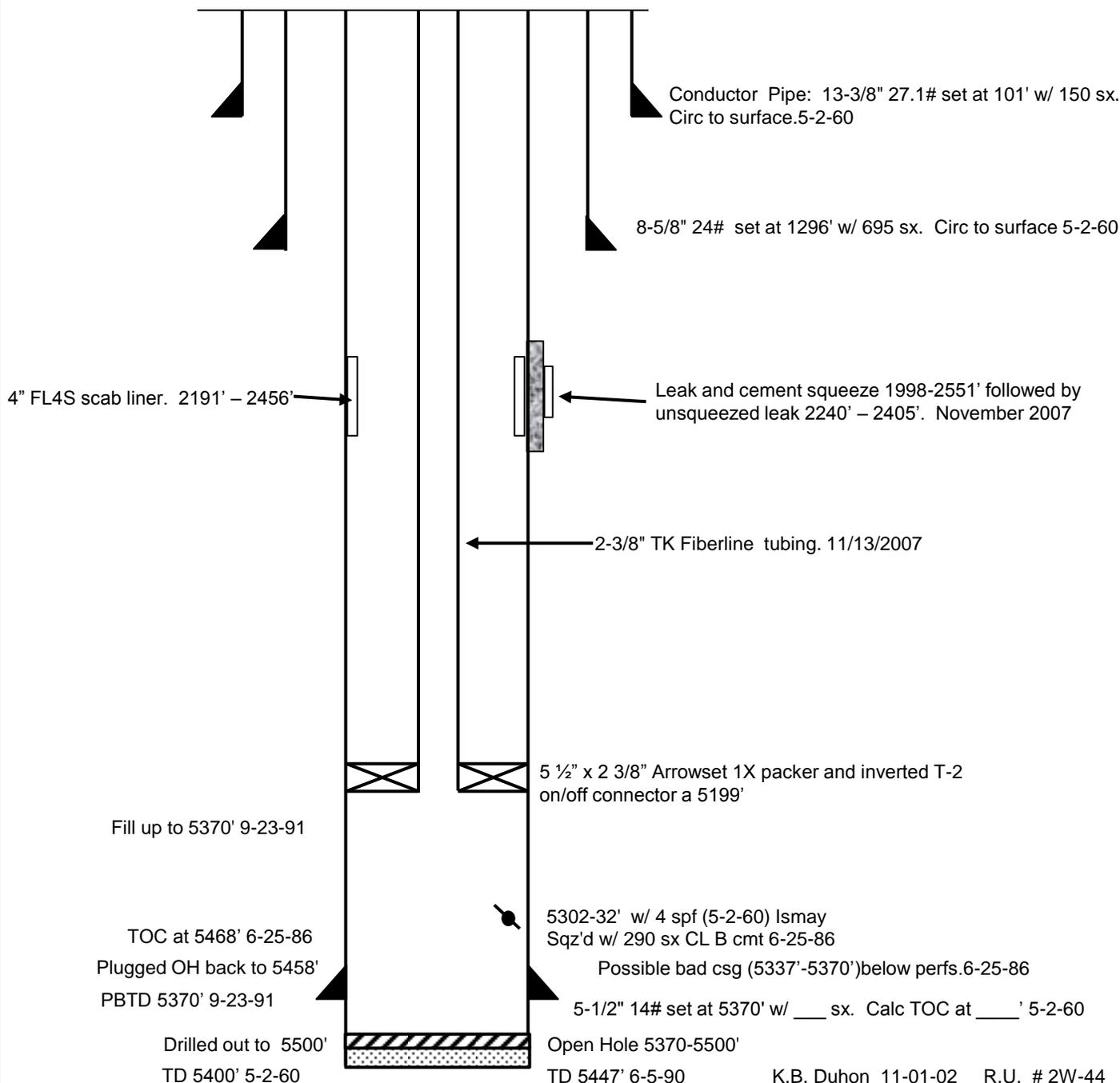
Capacities: bbl/ft gal/ft cuft/ft

2-7/8" 6.5#	.00579	.2431	.0325
5-1/2" 14#	.0244	1.0249	.1370
2-7/8x5.5 14#	.0164	.6877	.0919

Shut-in Pressure at 0 7-11-01

KB 4440'

GL 4430'



RATHERFORD UNIT # 2W-44

GREATER ANETH FIELD

810' FSL & 510' FEL

SEC 2-T41S-R23E

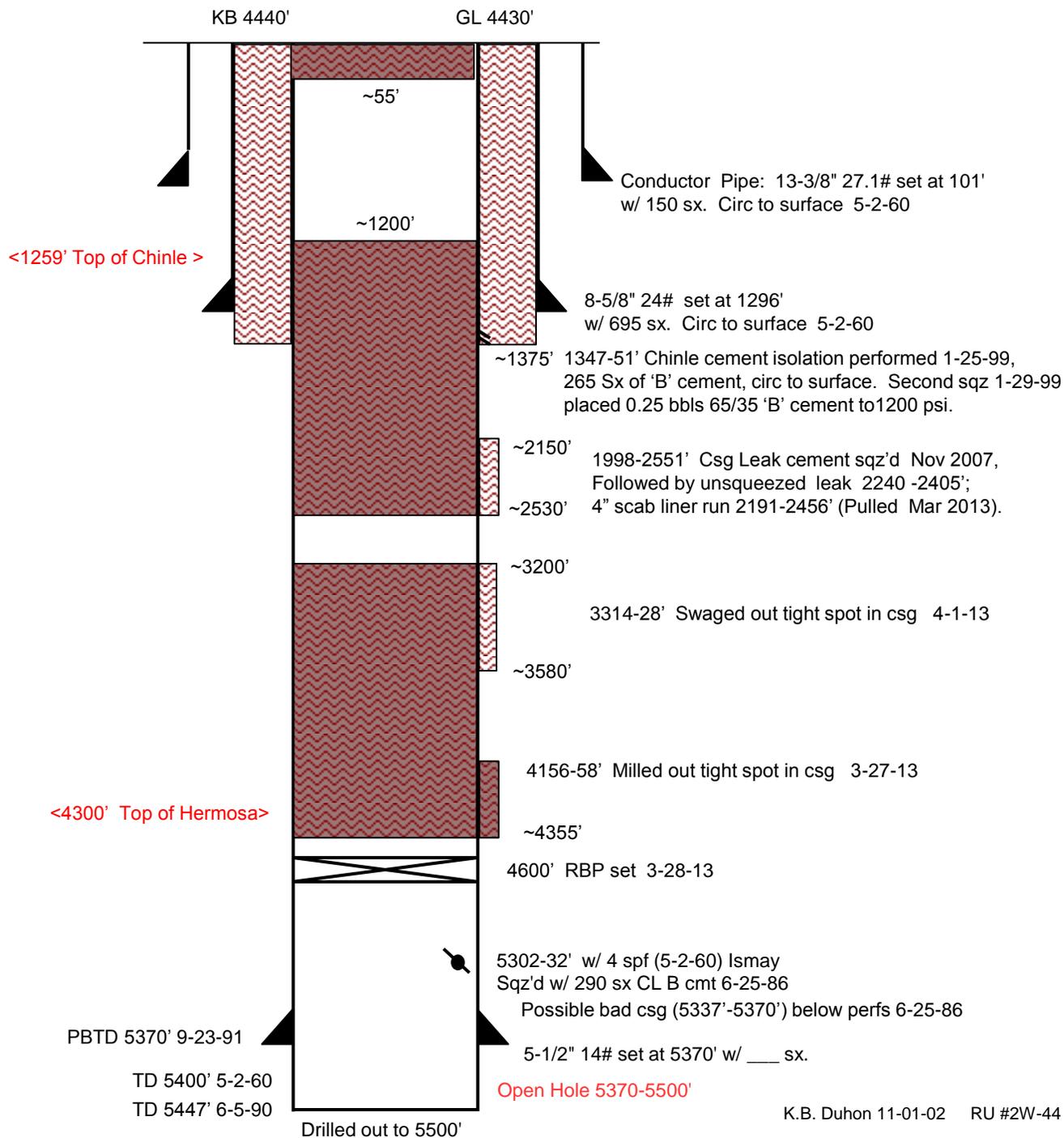
SAN JUAN COUNTY, UTAH

API 43-037-16386

PRISM 0042917

INJECTOR

Proposed Wellbore



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS 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.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-246A
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: RATHERFORD
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		8. WELL NAME and NUMBER: N DESERT CR 44-2 (2-44)
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		9. API NUMBER: 43037163860000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0810 FSL 0510 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 02 Township: 41.0S Range: 23.0E Meridian: S		9. FIELD and POOL or WILDCAT: GREATER ANETH
		COUNTY: SAN JUAN
		STATE: UTAH

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 Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/25/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

After extensive efforts to repair the 5-1/2 in production casing damage at several different depths and install a line, Resolute decided to P&A this wellbore. Work was completed on 4-25-13. A complete summary and final wellbore diagram are attached.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
May 07, 2013**

NAME (PLEASE PRINT) Shery Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 4/29/2013	

Ratherford Unit 2W-44

810' FSL & 510' FEL

Sec 2, T41S, R23E

San Juan County, Utah

API 43-037-16386

PRISM 0042917

***Objective:** After extensive efforts to repair 5-1/2" production casing damage at several different depths and install a liner, Resolute decided to P&A this wellbore. It is believed that if a future injector is needed in this area, a sidetrack or lateral from another wellbore can meet this need.*

Plugging & Abandonment (4-17 to 4-25-13) (Subsequent Sundry Notice)

1. Continued cleaning out to 4328' (RBP @ 4600'), having difficulty with redbeds inflow & pressure entry to the wellbore, got stuck, jarred loose, gave up on further cleanout.
2. Received BLM approval of intent to P&A on 4-18-13, EC #204568.
3. Ran test packer to 4102' to test injectivity for cement. Pressured up to 1450 psi – immediate communication uphole; reset packer at 4015' – same result. Surface pressure builds up to 900 psi in 30 min. Made additional test pkr sets at 3499', 3240', 2983' and 2175' w/same immediate uphole communication until 2175' – csg flow stopped and csg pressure tests OK above this.
4. Received permission by phone from Steve Mason/BLM on 4-19-13 to spot balanced cement plug rather than pump through cement retainer at 4100' per original proposal. RIH open ended workstring to 4220', PU to 4218' & spotted balanced 12 bbl Class G cement plug at 15.8 ppg, 1.15 yield, pick up out of cement, apply pressure & WOC. Tagged TOC at 4188'. Laid in 2nd, 3rd & 4th balanced Class G cement plugs at 15.8 ppg, 1.15 yield, applied pressure on top of plug each time, bringing lower cement plug top to 3127'(tagged). Total cement placed = 66 bbls; 26.6 bbls in csg, 39.4 bbls outside csg. Still have inflow to the wellbore.

5. With EOT at 2530', spotted 17.4 bbls Type III cement at 14.4 ppg, 1.41 yield, 0.4% Halad R-334, and 17.4 bbls Class G above at 15.8 ppg, 1.15 yield; 34.8 bbls total balanced plug of cement. Picked up out of cement, applied pressure, WOC. Tag at 615', higher than expected. RIH w/4-3/4" bit & drilled up the entire plug, which had moved uphole; had gap in cement at 873-1046'. Drilled out of cement at 2058' rather than 2530' bottom if the plug had not moved.
6. Got permission by phone 4-23-13 from Steve Mason/BLM to spot a continuous plug from 3127' upward to ~1200' instead of the originally proposed gap in cement from ~2530' to ~3200.
7. With EOT at 3103' spotted 17.4 bbls Type III cmt (same additives, same specs) balanced plug, picked up out of cement to 2336', reversed out, including 4 bbls cmt, apply 2050 psi pressure on cement column & WOC for 8 hrs. Attempt to pick up workstring – stuck. Worked tbg loose & POOH – 1st 2.5 stands were dragging. No markings on tubing. Ran back open ended & tagged at 2175' vs 2336 to 2554' expected. Decide to run bit in case we have a cmt bridge.
8. Ran 4-3/4 bit & tagged up at 2175'; unable to drill past. POOH & ran 4-3/4" swage & jars to 2175', worked down 10" in 2 hours. POOH & ran back open ended workstring. Sat down at 2175', set 4k wt on it & fell thru, continue down & tag at 2210'; unable to work down further. POOH & RIH smaller 4.50" swage, tag 2178', work down to 2211' – no more progress. POOH & RIH 3-7/8 bit. Tag at 2180', rotate & circ through & drop down to 2211'; drill/cleanout down to 2235', getting sand in returns. Decide to stop and spot cement from here.
9. With EOT at 2234' spotted 15.5 bbls Type III cmt (same additives, same specs) balanced plug, picked up out of cement to 1334' & reverse out, including 2.5 bbls cmt. Apply 2000 psi back pressure on top of cement column (3.7 bbls pumped) & WOC, maintaining surface pressure between 2000 & 1850 psi. Bled off surface pressure – no buildup. RIH & tag at 1925', PU to 1924', spot 20 bbls Class G balanced plug at 15.8 ppg, 1.15 yield (calc cement top at 1104'). Pick up out of cmt to 192'.
10. With EOT at 192', spotted surface plug w/4.6 bbls Class G cmt. (same additives, same specs). Laid down remaining workstring.

11. ND BOP & Hydril, dug around wellhead ~4' down, removed valve & plug on 8-5/8 surface pipe. Cut off & removed wellhead. Topped off 8-5/8 x 5-1/2 annulus with 1 bbl Class G cement. NNEPA witness N. Dishface approved the final cementing at surface.
12. Welder welded on plate & installed dry hole marker.
13. RD and released WSU.
14. Backfilled around dry hole marker.

Attachment 1: Final Wellbore Drawing

RATHERFORD UNIT # 2W-44

GREATER ANETH FIELD

810' FSL & 510' FEL

SEC 2-T41S-R23E

SAN JUAN COUNTY, UTAH

API 43-037-16386

PRISM 0042917

INJECTOR

Final Wellbore 4-25-13

