

Scout Report sent out  
 Noted in the NID File  
 Location map pinned  
 Approval or Disapproval Letter  
 Date Completed, P. & A. or  
 operations suspended 6-6-59  
 Pin changed on location map  
 Affidavit and Record of A & P  
 Water Shut-Off Test  
 Gas-Oil Ratio Test  
 Well Log Filed

*Reconverted to an Oil Producer Effective 7-3-65  
 Committed to water injection; started injecting 5-17-63*

FILE NOTATIONS

Entered in NID File	<u>✓</u>	Checked by Chief	_____
Entered On S R Sheet	<u>✓</u>	Copy NID to Field Office	_____
Location Map Pinned	<u>✓</u>	Approval Letter	<u>✓</u>
Card Indexed	<u>✓</u>	Disapproval Letter	_____
FW R for State or Fee Land	_____		

COMPLETION DATA:

Date Well Completed	<u>6-6-59</u>	Location Inspected	_____
OW <u>✓</u> WM _____	FA _____	Bond in Field	_____
GW _____	CS _____	State of Fee Land	_____

LOGS FILED

Driller's Log ✓  
 Electric Logs (No. ) 3  
 E. \_\_\_\_\_ I. \_\_\_\_\_ E-I ✓ GR \_\_\_\_\_ GR-N ✓ Micro ✓  
 Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

(SUBMIT IN TRIPPLICATE)

Indian Agency Navajo

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-3045

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)

Vernal, Utah March 23, 1959

Well No. 21-9 is located 660 ft. from N line and 2080 ft. from W line of sec. 9  
1/4 (1/4 Sec. and Sec. No.) 418 (Twp.) 24E (Range) 11W (Meridian)  
Rutherford (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the Well above sea level is 4515 ft. Est.

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)

It is proposed to drill a new well for oil to be completed in the Desert Creek zone at a total depth of 5565' ±.  
 13 3/8", 47#, J-55 casing to be cemented near 170' with sufficient cement to fill to surface.  
 8 5/8", 28#, H-40 casing to be cemented near 1500' with sufficient cement to fill to surface.  
 5 1/2", 15.5#, J-55 casing to be cemented with 400 sacks through productive zone.

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

Company Standard Oil Company of California, Western Operations, Inc.

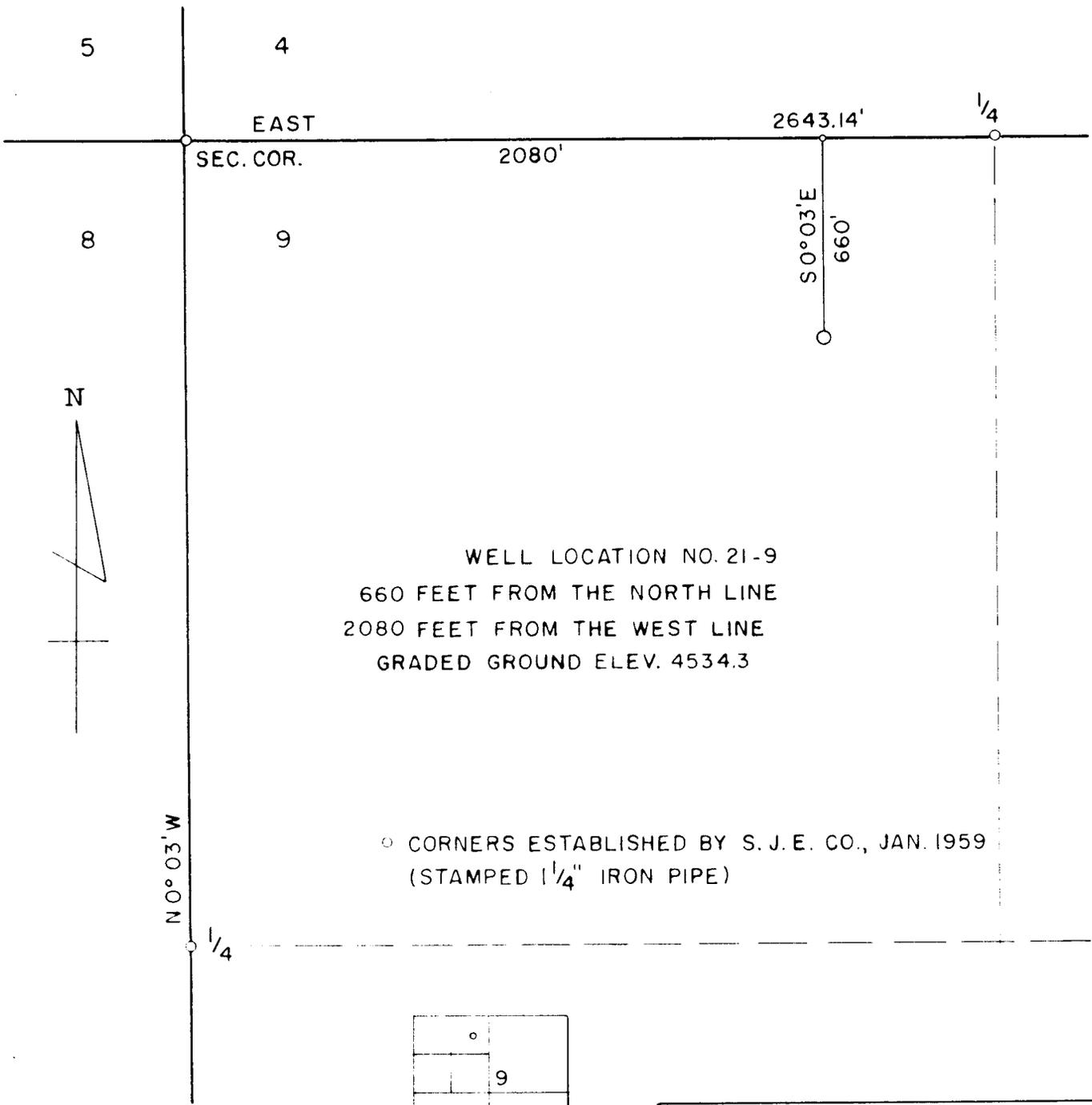
Address P. O. Box 455

Vernal, Utah

By C. V. Chatterton 3/23/59

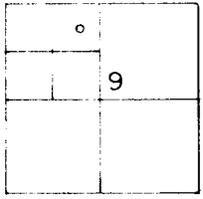
Title District Superintendent

USGS-4; OMSCO-1; CWB-2; File - 1.

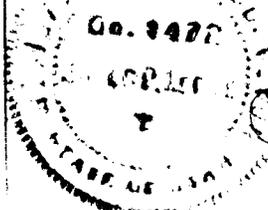


WELL LOCATION NO. 21-9  
 660 FEET FROM THE NORTH LINE  
 2080 FEET FROM THE WEST LINE  
 GRADED GROUND ELEV. 4534.3

○ CORNERS ESTABLISHED BY S. J. E. CO., JAN. 1959  
 (STAMPED 1/4" IRON PIPE)



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



*James P. Leese*  
 James P. Leese,  
 Reg. Land Surveyor,  
 Reg. No. 1472, UTAH.

STANDARD OIL CO. OF CALIFORNIA	
WELL LOCATION NE 1/4 NW 1/4 SECTION 9 T41S R24E SLBM SAN JUAN COUNTY UTAH	
JAN. 10, 1959	SCALE 1" = 500'
DRAWN BY W.C.	
SAN JUAN ENGINEERING CO. FARMINGTON, N.M.	

March 25, 1959

Standard Oil Company of California,  
Western Operations, Inc.  
P. O. Box 455  
Vernal, Utah

Attention: C. V. Chatterton,  
District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo 21-9, which is to be located 660 feet from the north line and 2080 feet from the west line of Section 9, Township 41 South, Range 24 East, S1E1M, San Juan County, Utah.

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

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

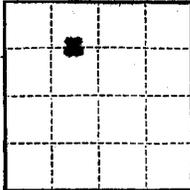
CLEON B. FEIGHT  
EXECUTIVE SECRETARY

CBF:co

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

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee  tribal

Lease No. 14-22-603-905

7/18  
5/18

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		<del>Subsequent Report of Running Casing</del> <b>X</b>	

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

Signal, Utah May 12, 19 59

Well No. 21-9 is located 660 ft. from [N] line and 2000 ft. from [W] line of sec. 9

R1/4 R1/4 9 11E 21E R1E  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Rutherford San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the fully casing above sea level is 4525 ft. Est.

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)

**Cemented 13 1/8", 40#, E-40 casing @ 175' with 230 sack neat cement.**

**Used one top rubber plug.**

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

Company Standard Oil Company of California, Western Operations, Inc.

Address P. O. Box 453

Vernal, Utah

By C. V. [Signature] 5/12/59

Title District Superintendent

**USS-3; 60200-1;  
GUS-1; File-1**

5/1

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

	X		

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-22-603-3043

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		<del>Subsequent Report of Running Casing</del> X	

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

Vernal, Utah May 26, 1959

Well No. 21-9 is located 660 ft. from 100 line and 2000 ft. from 100 line of sec. 9

R2 1/4 NW 1/4 9 (1/4 Sec. and Sec. No.) 11E (Twp.) 24E (Range) 123M (Meridian)  
Rutherford (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the fully finished ~~ground~~ above sea level is 4945 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)

Completed 5 1/2", 15.50#, J-55 casing at 960' using 400 sax

Class A cement. Used one top rubber plug.

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

Company Standard Oil Company of California, Western Operations, Inc.

Address P. O. Box 455

Vernal, Utah

By C. V. [Signature] 5/29/59

Title District Superintendent

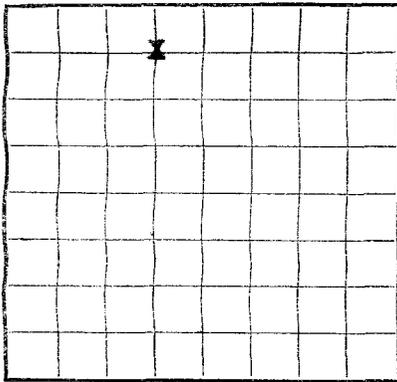
USGS-3; GACC-1;  
CWS-1; File-1

**CONFIDENTIAL**

U. S. LAND OFFICE **Farmington, N.M.**

SERIAL NUMBER **14-20-603-5045**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**LOG OF OIL OR GAS WELL**

Company Standard Oil Co. of Calif. Address P. O. Box 455, Vernal, Utah  
 Lessor or Tract Navajo Tribal Field Rutherford State Utah  
 Well No. 21-9 Sec. 9 T. 41S R. 24E Meridian SL County San Juan  
 Location 660 ft. <sup>XXXK</sup> of N Line and 2080 ft. <sup>E</sup> of W Line of Sec. 9 Elevation 4545 K.B.  
(Derrick floor relative to 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 C. V. CHATTERTON

Date June 23, 1959 Title District Superintendent

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

Commenced drilling April 25, 1959 Finished drilling May 22, 1959

**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from 5400 to 5404 No. 4, from 5498 to 5444  
 No. 2, from 5410 to 5414 No. 5, from 5475 to 5490  
 No. 3, from 5428 to 5432 No. 6, from \_\_\_\_\_ to \_\_\_\_\_

**IMPORTANT WATER SANDS**

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

**CASING RECORD**

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
13 3/8"	48		11-40						
8 9/8"	48		11-40						
5 1/2"			3-55						

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3/8"	175	230 Neat			
5/8"	1512	800 cu ft. Formix			
1 1/2"	5629	200 Neat			
		400 Class "A"			

**PLUGS AND ADAPTERS**

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

**SHOOTING RECORD**

FOLD HERE

FOLD MA

1/2" 5609 200 Shot 400 CLASS "A"

**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 Surface feet to 5638 feet, and from ..... feet to ..... feet

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

**DATES**

....., 19..... Put to producing ..... 19.....

The production for the first 24 hours was 300 barrels of fluid of which June 6, % was oil; 59 % emulsion; 9.7 % water; and 0 % sediment. 2 17 30 Gravity, °Bé. 90.3 %

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas 39.0

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

**EMPLOYEES (-900 as)**

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

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
Surface	175	175	Shale, sand and boulders
175	1392	1217	Sand, shale and shells
1392	4086	2694	Shale with some sandstone and anhydrite
4086	5638	1552	Limestone and shale
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

FORM-3; CASE-1;  
 CASE-1; FILE-1

## HISTORY OF OIL OR GAS WELL

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

Spudded 12:01 a.m. April 25, 1959. Drilled 17 1/2" hole to 175' and cemented 13 3/8", 48#, H-40 csg @ 175' with 230 sacks cement, filling outside casing to surface.

Drilled 11" hole to 1515' and cmt'd 8 5/8", 28#, H-40 casing at 1512' with 800 cu. ft. Pozmix cement followed by 200 sacks neat cement, filling outside casing to the surface.

Drilled 7 7/8" hole to total depth 5638'. May 19, 1959 reached total depth. Ran Gamma Ray-Neutron log, Induction-Electric log and Microlog. May 20, 1959 - cemented 5 1/2", 15.5#, J-55 casing at 5629' using 400 sacks API Class "A" cement. Cleaned out to 5583'. May 21, 1959 - perforated four jet holes per foot: 5400-5404, 5410-5414, 5428-5432, 5438-5444 and 5475-5490'. Acidized perforated intervals between 5400 and 5444' with 250 gal breakdown acid and 2500 gal retarded acid.

Installed 2 1/2" UE tubing at 5446'. Rig released May 22, 1959.

TOP OF OIL OR GAS WELL

DATE OF LAST SURVEY

NAME OF OPERATOR

696167

CONFIDENTIAL

✓ Well log

Ad-  
Well # 21-9

Rec'd JUN 29 1959

HOLD UNTIL  
OCT 29 '59

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
310 NEWHOUSE BUILDING  
SALT LAKE CITY 11, UTAH

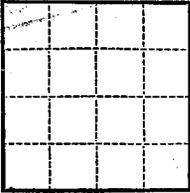


Copy H.L.C.  
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal  
Lease No. 14-00-603-9043



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			
<b>Notice of Intention to Squeeze</b>	<b>X</b>		

Perforations 5475-90 (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)  
and convert to water injection)

Cortez, Colorado March 20, 1969

Rutherford Unit (Formerly Standard Oil Co. Navajo Tract 3 #21-9)

Well No. 9-21 is located 660 ft. from N line and 2000 ft. from W line of sec. 9  
NE 1/4 Sec. 9 41S 24E SLBM  
 (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 ~~datum~~ graded ground above sea level is 4534.3 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 SVDC squeeze packer on work string of 2" tubing and set at 5460' (midpoint of 31' separating perforations at 5438-44' and 5475-90'). Check for communication. If O.K. mix 50 sbs cement and squeeze perforations at 5475'-90' with maximum holding pressure of 1500#. Circulate out. Lay down work string. Run 2 1/2" Marlex plastic lined tubing with Baker Tension Packer at approximately 5390'. Convert to water injection well. If communication exists, spot 5 sbs cement (40') below packer. Pull stinger out and up as high as possible without making connection. Pull broom head squeeze with remaining 45 sbs cement to maximum pressure 1500#, minimum 1000#; after obtaining desired holding pressure, wash down to top of packer. Circulate until clean. Lay down work string. Reperforate Desert Creek zone 5400-04, 5410-14, 5420-12, 5430-44. Run 2 1/2" Marlex plastic lined tubing with Baker tension packer at approximately 5390' and convert to water injection.  
 Present Production: 100 BW, 73 MCF Gas, 350 BW 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  
Dist. Supt.

Title \_\_\_\_\_



PHILLIPS PETROLEUM COMPANY

P. O. Drawer 1150  
Cortez, Colorado

May 23, 1963

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

Attention: Mr. Leo . . . . .

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 Ratherford Unit in San Juan County, Utah, were converted to water injection wells.

<u>Old Well No.</u>	<u>New Well No.</u>	<u>Date Converted</u>	<u>Injection Rate</u>	<u>Injection Pressure</u>
9-21	9W21	5-17-63	381 BWPD	Vacuum
3-22	3W22	5-21-63	644 BWPD	1200#

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

Yours very truly,

PHILLIPS PETROLEUM COMPANY

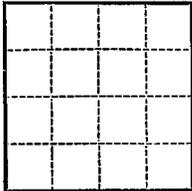
C. M. Boles  
District Superintendent

HGC/bh

*Copy H-L-E.*

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal  
Lease No. 14-20-603-5045

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	
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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	Subsequent Report to Squeeze Perforations 5475-90 & convert to water In-	X
	jection.	

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

Cortez, Colorado June 12, 63

Ratherford Unit (Formerly Standard Oil Co. Navajo Tract 3 #21-9 & Phillips  
Ratherford Unit #9-21)

Well No. 9W21 is located 660 ft. from N line and 2080 ft. from W line of sec. 9

<u>NE NW Sec. 9</u> <small>(1/4 Sec. and Sec. No.)</small>	<u>41S</u> <small>(Twp.)</small>	<u>24E</u> <small>(Range)</small>	<u>SLBM</u> <small>(Meridian)</small>
<u>Greater Aneth</u> <small>(Field)</small>	<u>San Juan</u> <small>(County or Subdivision)</small>		<u>Utah</u> <small>(State or Territory)</small>

The elevation of the ~~datum~~ above sea level is 4534.3 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 (5-12-63 through 5-19-63).  
Ran C. Retainer, set at 5460'. Established communications between perforations above and below retainer. Mixed 30 sks. cement, pumped 28 sks. through retainer. Maximum TP 1400#, CP 700#, no holding pressure. Pulled out of retainer leaving approximately 5' of cement on top of retainer (Top of cement 5455'). Pumped 15 bbls. water into formation at rate of 2-1,2 BPM at 1300#. Ran 2-1/2" tubing with Marlex Liner and packer, set at 5435.20' RKB. Hooked well up for water injection, started injecting water 5-17-63. Changed well classification from oil well to Water Injection and changed well name from 9-21 to 9W21.  
Previous Production: Pumping 24 hours, 40 BO, 79 MCF Gas, 264 BW.  
Present: Injected 381 BW in 24 hours on vacuum.

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. Roles*  
C. H. Roles  
Title District Superintendent

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN ~~REPLICATE~~<sup>TRIPPLICATE</sup>\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE RESERVATION AND SERIAL NO.  
**12-20-805-2013**

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 Tribe**

7. LEASE AGREEMENT NAME

**SP-1-1192**

8. FARM OR LEASE NAME

**Rutherford Unit**

9. WELL NO.

**921**

10. FIELD AND POOL, OR WILDCAT

**Greater Aneth**

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

**9-118-01E, S.L.B.M.**

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

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

3. ADDRESS OF OPERATOR **Dresser 1150, Cortez, Colorado**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface **660' FWL; 2000' FWL, Section 9  
NE NE Sec. 9**

14. PERMIT NO.

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

**4534.3 graded ground**

12. COUNTY OR PARISH

**San Juan**

13. STATE

**Utah**

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

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.)\*

**In attempt to increase water injection rate, treat well with 1000 gallons of 15% regular acid with 2 gallons of A-110 additive per 1000 gallons of acid, 100% of J-145, and 2000 gallons of 15% regular acid with 2 gallons of A-110 additive per 1000 gallons of acid.**

**Present Injection Rate: 1669 BWPD at 2500%.**

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

SIGNED **C. M. Dolan**

TITLE

**District Superintendent**

DATE

**10-13-65**

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

December 15, 1965

Phillips Petroleum Company  
Drawer 1150  
Cortez, Colorado

Gentlemen:

Upon checking our files we note that we have not received subsequent reports for the following wells:

RATHERFORD UNIT #9W21,  
Sec. 9, T. 41 S., R. 24 E.

Shoot or Acidize

RATHERFORD UNIT #12-31,  
Sec. 12, T. 41 S., R. 23 E.

Perforate Ismay & Acidize

RATHERFORD UNIT #18W43,  
Sec. 18, T. 41 S., R. 24 E.

Shoot or acidize

RATHERFORD UNIT #18W21,  
Sec. 18, T. 41 S., R. 24 E.

Shoot or acidize

RATHERFORD UNIT #12W44,  
Sec. 12, T. 41 S., R. 23 E.

Shoot or acidize

RATHERFORD UNIT #21W41,  
Sec. 21, T. 41 S., R. 24 E.

Shoot or acidize

RATHERFORD UNIT #21W21,  
Sec. 21, T. 41 S., R. 24 E.

Shoot or acidize

Phillips Petroleum Company  
Drawer 1150  
Cortez, Colorado

(2)

RATHERFORD UNIT #15W23,  
Sec. 15, T. 41 S., R. 24 E,

Shoot or acidize

RATHERFORD UNIT #16W43,  
Sec. 16, T. 41 S., R. 24 E.

Shoot or acidize

Your attention to this matter will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

ANNETTE R. HANSEN  
RECORDS CLERK

arh

Enclosures: OGCC-1b

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN ORIGINAL COPY\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**14-20-603-5045**

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <b>Water Injection Well</b>		7. UNIT AGREEMENT NAME <b>SN-I-4192</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Co.</b>		8. FARM OR LEASE NAME <b>Rutherford Unit</b>
3. ADDRESS OF OPERATOR <b>Drawer 1150, Cortez, Colorado</b>		9. WELL NO. <b>9-21</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>22 660' FWL, 2080' FWL, Sec. 9</b> <b>NE NE Sec. 9</b>		10. FIELD AND POOL, OR WILDCAT <b>Greater Anoth</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4534.3 graded ground</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>9-419-21E, S.L.B.M.</b>
		12. COUNTY OR <del>PARISH</del> 13. STATE <b>San Juan Utah</b>

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) **To Cancel Notice Intention to Acidize**

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

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

**This form is being submitted to cancel Notice of Intention to Acidize this well dated October 13, 1965. The work to be cancelled is as outlined below**

**"In attempt to increase water injection rate, treat well with 1000 gallons of 15% regular acid with 2 gallons of A-110 additive per 1000 gallons of acid, 100% of J-145, and 2000 gallons of 15% regular acid with 2 gallons of A-110 additive per 1000 gallons of acid".**

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

SIGNED

**G. H. Boies**

**District Superintendent**

TITLE

**12-22-65**

DATE

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**14-22-603-3245**

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

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

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

9. WELL NO.  
**9021**

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**9-415-241, S18N**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

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

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

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

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
**660' FNL; 2080' FWL, Sec. 9  
NE, NE Sec. 9**

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4534.3 ungraded ground**

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

NOTICE OF INTENTION TO:

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

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

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

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

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

**Acidize water injection well with 4000 gallons 15% mixed with 2 gallons of non-  
emulsifier per 1000 gallons; flush with 5000 gallons water (no additives) and  
immediately return to injection.**

**PRESENT INJECTION RATE: 535 BWPD at 1970#.**

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

SIGNED

**G. M. Dolan**

TITLE

**District Superintendent**

DATE

**7-29-68**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**DISTRIBUTION: Orig. & 2 cc: USGS, Farmington, NH  
2 cc: Utah OROCC, Salt Lake City, Utah  
1 cc: Bville \*See Instructions on Reverse Side  
1 cc: Denver  
1 cc: File**

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THIS DATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-5065

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-1-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

9W21

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

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

9-418-24E, 918N

12. COUNTY 13. STATE

San Juan Utah

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  
660' FWL; 2080' FWL, Sec. 9  
NE, NE Sec. 9

14. PERMIT NO.

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

4534.3 ungraded ground

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

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

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

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

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

On August 3, 1968 acidized Desert Creek Zone I perforations 5400-5444' OA (communicated with Zone II pay behind casing down hole) with 4000 gallons 15% acid and 5000 gallons saltwater flush. Hooked back up and resumed injection.

Previous Injection Rate (Greater Aneth - Paradox Formation, Desert Creek Zone I (& Zone II which is communicated behind casing):

Averaged 535 BWPD at 1970# during June 1968

Present Injection Rate (Same as above):

Injected 3115 BW in 24 hours at 50#.

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

SIGNED C. M. Boles

TITLE

Dist. Supt.

DATE

8-14-68

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Distribution: Orig. & 2 cc: USGS, Farmington, N.M.  
1 cc: Utah O&GCC, Salt Lake City  
1 cc: Bvills \*See Instructions on Reverse Side  
1 cc: Denver  
1 cc: Superior, Cortez  
1 cc: File

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.

14-20-603-5045

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

9421

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

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

9-415-21E 315W

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

Box 2920, Casper, Wyoming 82601

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

660' FWL; 2080' FWL, Sec. 9

NE, NE, Sec. 9

14. PERMIT NO.

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

4534.3 Ungraded Ground

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

~~REPAIR~~ 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.)\*

Jan. 30, 1973 Acidized Desert Creek Zone I perforations 5400 - 5444 OA (Communicated w/ Zone II pay behind csg down hole.) with 3000 gals. 15% Reg. HCL acid.

Previous Injection Rate (Greater Aneth - Paradox Formation Desert Creek Zone I & II which is communicated behind csg.) 1270 BWP/D at 2100'

Present Injection Rate (same as above) Injected 3200 BW/D on vacuum

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

SIGNED

F. C. Morgan

TITLE Production Superintendent

DATE Feb. 20, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Orig & 2 cc - USGS - Farmington, N. M.

2 cc Utah OROCC Salt Lake City, Utah

1 cc Superior Oil Co. Cortes, \*See Instructions on Reverse Side

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 9W21 WELL  
SEC. 9 TWP. 41S RANGE 24E  
SAN JUAN COUNTY, UTAH

CAUSE NO. C-3(B)

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

APPLICATION

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

Lease Name <u>Ratherford Unit</u>	Well No. <u>9W21</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>9W21</u> Sec. <u>9</u> Twp. <u>41S</u> Rge. <u>24E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>5-83</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate</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 &amp; Gas</u>	
Location of Injection Source(s) <u>Desert Creek Paradox I &amp; 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>5400</u> to <u>5444</u>		
a. Top of the Perforated Interval <u>5400</u>	b. Base of Fresh Water: <u>1550'</u>	c. Intervening Thickness (a minus b) <u>3900</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 <u>SD 12/1/82</u> Maximum _____ B/D 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  
County of Natrona

PHILLIPS PETROLEUM COMPANY  
Applicant

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

Suscribed and sworn to before me this 21st day of Sept, 19 83

SEAL

My commission expires

DONALD L. HUDSON - Notary Public  
County of Natrona State of Wyoming  
My Commission Expires Nov. 3, 1986  
(OVER)

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 leasehole 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"	179.24	230	Surface	Returns
Intermediate	8-5/8"	1516	200	Surface	Returns
Production	5-1/2"	5629	400	4413	CALCULATED
Tubing	2-1/2"	5435.20	Name - Type - Depth of Tubing Packer Baker Model "A" Pkr 5435.2		
PB Total Depth 5455	Geologic Name - Inj. Zone Desert Creek I	Depth - Top of Inj. Interval 5400	Depth - Base of Inj. Interval 5444		

(Communicated to Zone II behind casing)

14-20-603- 5045

(To be filed within 30 days after drilling is completed)

COMPLETION & TEST DATA BY PRODUCING FORMATION

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

LEASE NO.

API NO. 43-037- 16397

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

640 Acres  
N

COUNTY San Juan SEC. 9 TWP. 41S RGE. 24E

COMPANY OPERATING Phillips Petroleum Company

OFFICE ADDRESS P.O. Box 2920

TOWN Casper STATE ZIP Wyoming 82602

FARM NAME \_\_\_\_\_ WELL NO. 9W21

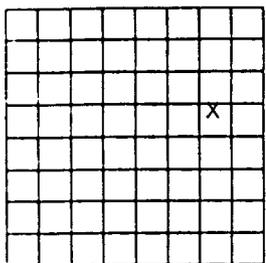
DRILLING STARTED 4-25 19 59 DRILLING FINISHED 5-22 19 59

DATE OF FIRST PRODUCTION 6-2-59 COMPLETED 5-22-59

WELL LOCATED NE 1/4 NE 1/4

660 FT. FROM NL OF 1/4 SEC. & 2080 FT. FROM WL OF 1/4 SEC.

RKB ELEVATION BERRICK FLOOR 4545' GROUND 4534.3



Locate Well Correctly  
and Outline Lease

TYPE COMPLETION

Single Zone X (Communicated to Zone II behind casing)

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

Comingled \_\_\_\_\_

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Desert Creek I	5400	5444			
Desert Creek II	5475	5490			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sex	Fillup	Top
13-3/8"	48#	H-40	179.24	1000	230		Surface
8-5/8"	28#	H-40	1516	1200	200		Surface
5-1/2"	15.5#	J-55	5629		400	1215	4413

PBTD 5455

TOTAL DEPTH 5634'

PACKERS SET DEPTH Baker 2-1/2" Pkr @ 5435.20'

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

FORMATION	Desert Creek I		
SPACING & SPACING ORDER NO.	40 acre Cause #C-3(B)		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	5400-5444		
INTERVALS			
ACIDIZED?	1/30/73 3000 Gal 15% HCL Acid		
FRACTURE TREATED?	No		

Squeeze Zone II 5/14/63, 5475-5490'

Converted to Injector

INITIAL TEST DATA

Date	5/19/63		
Oil, bbl./day	--		
Oil Gravity	--		
Gas, Cu. Ft./day	--	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	--		
Water-Bbl./day	381		
Pumping or Flowing	Vacuum		
CHOKE SIZE	--		
FLOW TUBING PRESSURE	--		

A record of the formations drilled through, and pertinent remarks are presented on the reverse.  
(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone 307-237-3791

A.E. Stuart, Area Manager

Name and title of representative of company

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_

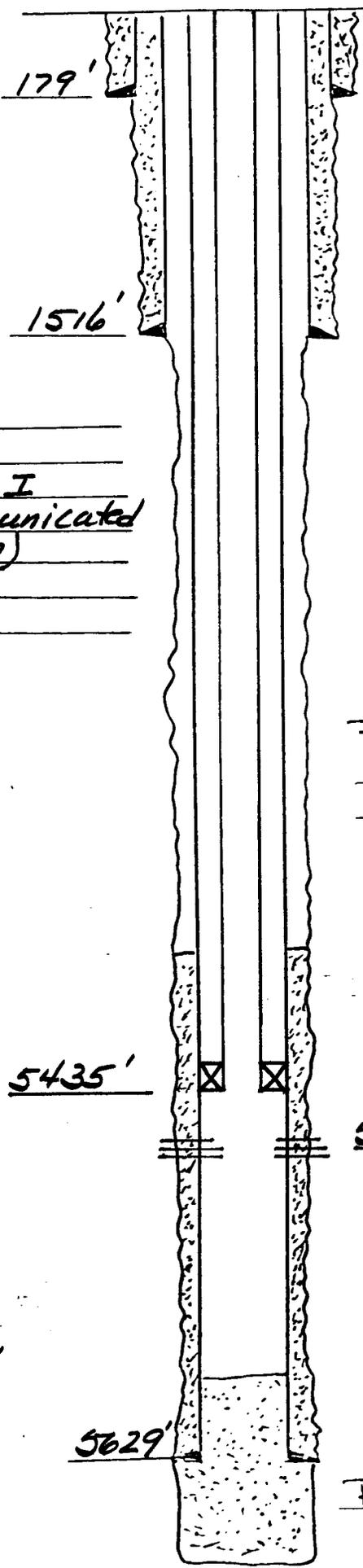
SEP 22 1963

Casper

WELL: 9W21  
LOCATION: NENE Sec 7-41S-24E  
FIELD: GREATER ANETH  
RESERVOIR: DESERT CREEK I+II

W - COMPLETION: 5.14.63  
PRESENT STATUS: S.I.

RKB 4545'  
GL 4534'



SURFACE CASING: 13 3/8" 48#  
H-40

INTERMEDIATE CASING: 8 5/8"  
28# H-40

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

PERFORATIONS: \_\_\_\_\_  
5400-5444  
(Desert Creek I  
and II Communicated  
behind casing)  
\_\_\_\_\_  
\_\_\_\_\_

PACKER: Baker model "A"  
Pkr @ 5435'  
Tubing: 2 1/2" @ 5435'

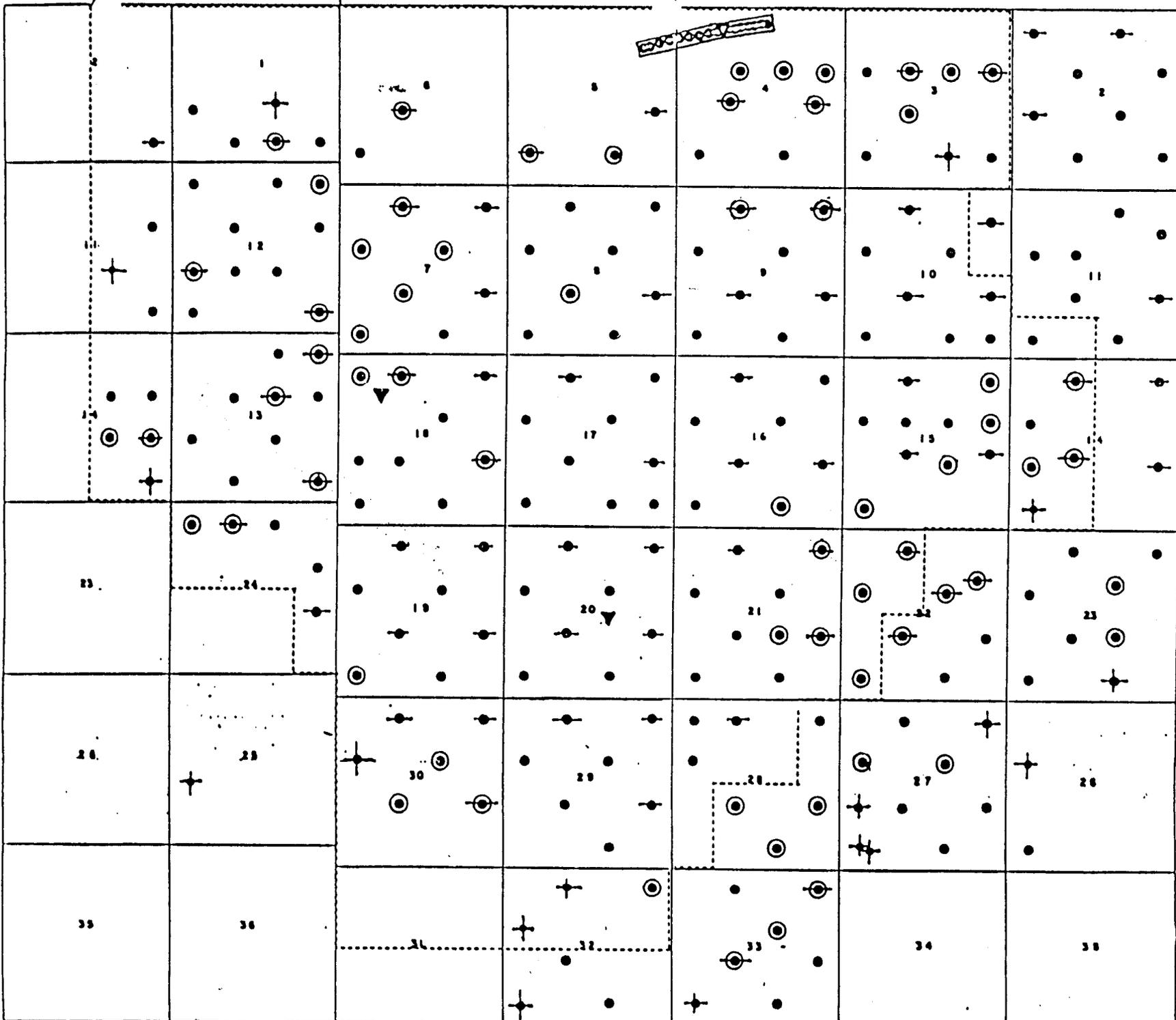
PBTD: 5455'  
OTD: 5634'

5629'

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

R-23-E

R-24-E

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 \_\_\_\_\_

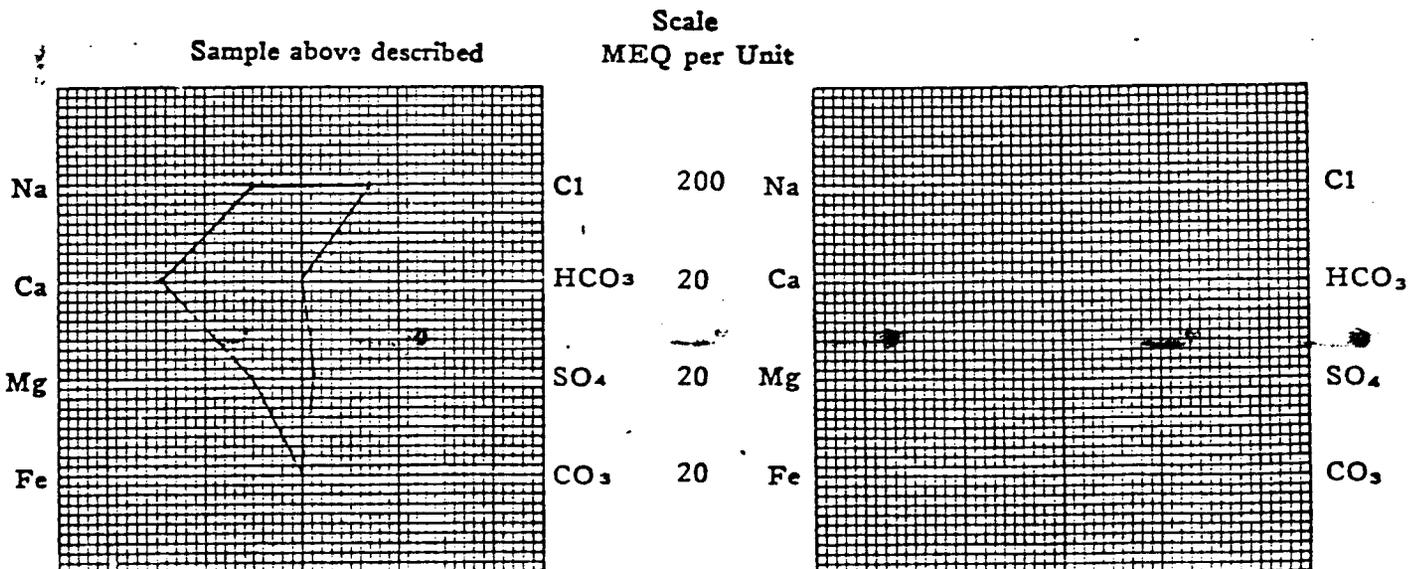
REMARKS & CONCLUSIONS: Specific gravity @68°F ----- 1.0646  
 Oil and grease, mg/l ----- 2.5  
 Aluminum (Al), mg/l ----- 0.90  
 Iron (Fe), mg/l ----- 0.3  
 Total Sulfides, mg/l ----- ND(0.1)

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	-	-
<b>Total Cations</b>		<b>1494.27</b>	<b>Total Anions</b>		<b>1494.27</b>

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate  
(Other Instructions on reverse side)

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

A. LEASE IDENTIFICATION AND SERIAL NO.  
14-20-603-5045

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.)

C. IF OTHER, ALIQUOT OR TRUSS NAME

Navajo

F. WELL IDENTIFICATION NAME

SW-I-4192

G. NAME OF LEASE NAME

Ratherford Unit

H. WELL NO.

#9W21

I. FIELD AND FOOT, OR WILDCAT

Greater Aneth

J. SEC. 9, 10, 11, OR 12, OR B.L.R. AND SURVEY OR AREA

Sec. 9-T41S-R24E

OIL WELL  GAS WELL  OTHER

Water Injection Well

K. NAME OF OPERATOR

Phillips Oil Company

L. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, WY 82602

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

660' FNL, 2080' FWL

RECEIVED

N. PERMIT NO.

43-037-16397

O. ELEVATIONS (Show well bottom elevation)

RKB-4545'

P. COUNTY OR PARISH

San Juan

Q. STATE

Utah

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

NOTICE OF INTENTION TO:

DIVISION OF OIL  
GAS & MINING

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PLUG OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) Reactivating Injection Well

(Other)

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

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

Ratherford Unit #9W21 was returned to Zone I and II water Injection on June 10, 1985.

- 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
- 1- File RC

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

SIGNED

*A. E. Sturt*  
A. E. Sturt

TITLE

Area Manager

DATE

July 5, 1985

(This space for Federal or State office use)

APPROVED BY

*Walter B. ...*

TITLE

*Well Manager*

DATE

7/11/85

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

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

OPERATOR: Phillips Petroleum Company

FIELD: Greater Aneth LEASE: Ratherford Unit

WELL # 9W21 SEC. 9 TOWNSHIP 41S RANGE 24E

STATE (FED) FEE DEPTH 5455 TYPE WELL INJW MAX. INJ. PRESS. \_\_\_\_\_

SD 12/1/82

TEST DATE 6/17/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>13 3/8</u>	<u>179.24</u>	<u>230</u>			
<u>INTERMEDIATE</u>	<u>8 5/8</u>	<u>1516</u>	<u>200</u>			
<u>PRODUCTION</u>	<u>5 1/2</u>	<u>5629</u>	<u>400</u>	<u>600</u>	<u>Blow through</u> <u>OK</u>	<u>OK</u>
<u>TUBING</u>	<u>2 1/2</u>	<u>5435.20</u>		<u>1520</u>		
<u>Baker model "A" PKR at 5435.2</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 9W21  
 County: San Juan T 405 R 24E Sec. 9 API# 43-037-16397  
 New Well  Conversion  Disposal Well  Enhanced Recovery Well

	YES	NO
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 Creek

Analysis of Injection Fluid Yes  No  TDS 8565

Analysis of Water in Formation to be injected into Yes  No  TDS 103633

Known USDW in area Wingate Depth 1550

Number of wells in area of review 6 Prcd. 5 P&A 0  
 Water 0 Inj. 1

Aquifer Exemption Yes  NA

Mechanical Integrity Test Yes  No

Date \_\_\_\_\_ Type \_\_\_\_\_

Comments: TOC 4413

---



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Reviewed by: [Signature]

# Mobil Oil Corporation

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

May 14, 1986

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

Attn: R. J. Firth  
Associate Director

**RECEIVED**  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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

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

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

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

Very truly yours,



R. D. Baker  
Environmental Regulatory Manager

CNE/rd  
CNE8661

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER 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 B.L.E. 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"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDISE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDISING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>CHANGE OF OWNERSHIP</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

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

(former Operator - Phillips Oil Company)

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

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

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

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

# DOWN HOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 9W21

Location NE NW Sec. 9

RKB Elev. 4545'

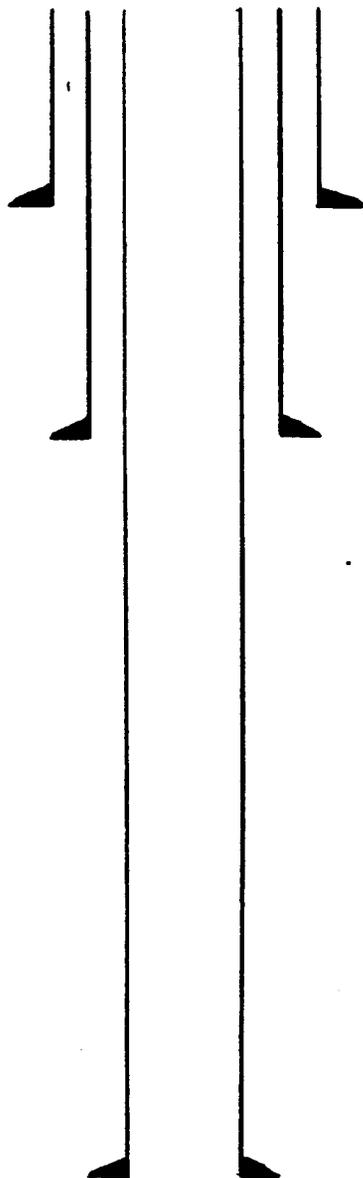
T415-R24E

GL Elev. 4533'

Well Drld 5/22/59

RKB Above GL' 12'

Well converted to injector 5/7/63



CONDUCTOR Csg 13 3/8 @ 175'

SURFACE Csg. 8 5/8 @ 1512'

TOC 3500' CALL.

Tubing 2 1/2 @ 5446' MARLEX LINER

PACKER BAKER LOK-SET @ 5435'

PERFS	5400 - 04		
	5410 - 14		
	5428 - 32		
	5438 - 44		

PBTD 5460'

PRODUCTION Csg. 5 1/2 @ 5629'  
J-55, 15.5#

All Perfs Zone I unless noted

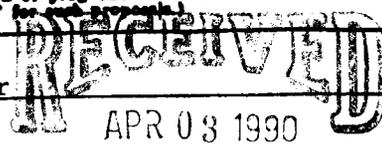
**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

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

BUDGET CATEGORY NO. 1004-0135  
Expires August 31, 1985

**SUNDRY NOTICES AND REPORTS ON WELLS**

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



1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water Injector		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-5045
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 1150, Cortez, CO 81321		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 660' FNL & 2080' FWL, NE NW		8. FARM OR LEASE NAME Ratherford Unit
14. PERMIT NO. 43-037-16397		9. WELL NO. 9W21
15. ELEVATIONS (Show whether SF, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC., T., R., E., OR BLK. AND SURVEY OR AREA Sec. 9-T41S-R24E
		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"/>	PLUG OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR 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) Clean out well, UIC Test <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

March 6, 1990 Through March 9, 1990

MI & RU well service unit 3/6/90. ND wellhead, NU BOP. Rel Baker 5-1/2" Lok-set pkr. COOH w/170 jts 2-3/8" Rice duo-lined tbg. LD pkr. GIH w/4-3/4" blade bit, 5-1/2" csg scraper, 5-1/2" csg brush, and 174 jts 2-7/8" workstring. Drld & cleaned out well to PBTD 5455'. COOH w/workstring, csg brush, csg scraper, & bit. GIH w/Baker 5-1/2" Lok-set pkr with on-off tool and expendable tbg test plug and 170 jts Rice Duo-lined tbg. Pressured tbg to 3000 psi while going in hole and drifted barrier rings. OK. Set pkr at 5220'. Tested annulus to 1000 psi, disengaged on/off tool. Pmpd 120 bbls pkr fluid containing 1/2 drum Well Chem WA-840. Engaged on/off tool. Pressured annulus to 1000 psi for 30 minutes for UIC test. OK. RD & MO well service unit and returned well to injection 3/9/90.

Distribution:

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

OIL AND GAS	
DRN	RJF
JRB	GLH <input checked="" type="checkbox"/>
DTS	SLS
2-TAS <input checked="" type="checkbox"/>	
3- MICROFILM ch 26, 1990	
4- FILE	

**UIC**

GLH

DJJ

BGH

COMPUTER

MICROFILM

FILE

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

SIGNED S. H. Oden TITLE Superintendent DATE March 26, 1990

(This space for Federal or State office use)

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

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

\*See Instructions on Reverse Side.

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

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

**RECEIVED**

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MINING

AMENDED REPORT  (Highlight Changes)

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

*USRA*  
*5-18-93*

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

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

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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

3. LEASE DESIGNATION & SERIAL NO.

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO TRIBAL

7. UNIT AGREEMENT NAME

RATHERFORD UNIT

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT  
GREATER ANETH

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

MOBIL OIL CORPORATION

3. ADDRESS OF OPERATOR

P. O. BOX 633 MIDLAND, TX 79702

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

See also space 17 below.  
At surface

At proposed prod. zone

RECEIVED  
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"/>	

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.)	

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

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

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

\* Must be accompanied by a cement verification report.

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

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

SIGNED Shirley Todd

TITLE ENV. & REG TECHNICIAN

DATE 9-8-93

(This space for Federal or State office use)

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

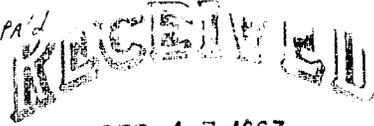
TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

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  


SEP 13 1993

DIVISION OF  
 OIL, GAS & MINING

PAID

PAID  
 PAID

14-20-603-246

SE/NW 1920 FNL 2080 FWL

# MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT  (Highlight Changes)

*X931006 updated.  
lic*

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

**RECEIVED**

SEP 13 1993

DIVISION OF OIL, GAS & MINING

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

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

Date: 9/5/93

Name and Signature: Lwell B Sheffield

Telephone Number: 303 565 2212  
244 588 2578

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

Route original/copy to:

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

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

Other  
**OPERATOR CHANGE**

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

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

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

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

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

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

CURRENT OPERATOR

Transfer approved by:

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

Comments:

NEW OPERATOR

Transfer approved by:

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

Comments:

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

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

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

ORDER

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

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

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SEEM

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

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SEEM

Section 3:	SW/4	Sections 15	
Section 4:	S/2	through 21:	All
Sections 5 through 9:	All	Section 22:	NW/4 and S/2 of the
Section 10:	S/2 and NW/4 and W/2 of NE/4		SW/4
Section 11:	S/2 of SW/4	Section 23:	NE/4 and W/2 of NE/4 and W/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 Rutherford Unit area pursuant to said order of February 24, 1959.

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

#### FINDINGS OF FACT

The Commission finds that:

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

#### ORDER

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

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

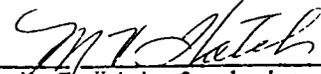
and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

Dated this 13th day of September, 1961.

THE OIL AND GAS CONSERVATION  
COMMISSION OF THE STATE OF UTAH

  
Edward W. Clyde, Commissioner, presiding

  
C. R. Henderson, Chairman

  
H. V. Hatch, Commissioner

  
C. S. Thomson, Commissioner

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

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

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

Here is copy of Rutherford Unit  
Successor Operator.

4 pages including this one.

*File Ratherford Unit (GC)*

RECEIVED  
BLM

JUL 27 AM 11:44

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

070 FARMINGTON, NM

ARES/543

JUL 26 1993

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

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

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the 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 Rutherford Unit, <sup>62-11-27-111:44</sup>

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

070 FARMINGTON, NM

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

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

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

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

Attached hereto as Exhibit "A"

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

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

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

Attached is the appropriate documentation relevant to this document.

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

Phillips Petroleum Company

June 17, 1993

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

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

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

[Signature]  
APPROVED BY

ACTING AREA DIRECTOR  
TITLE

7/9/93  
DATE

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

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

EXHIBIT "A"

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

EXHIBIT "C"

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

<u>Tract Number</u>	<u>Description of Land</u>	<u>Serial Number and Effective Date of Lease</u>	<u>Tract Percentage Participation</u>
1	S/2 Sec. 1, E/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-S, R-23-E, S.L.M. San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8, T-41-S, R-24-E, San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March 3, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	.4667669
6	NW/4 of Sec. 9, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.M. San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-S, R-23-E, S.L.M., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-S, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26, 1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	.5750254
17	NE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6505 July 11, 1961	.5449292
18	NW/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482
100% Indian Lands			TOTAL 12,909.74
			100.0000000

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

Routing:

1-VLC/07-S
2-DTS/S8-RLP
3-VLC
4-RJF
5-JE
6-PL

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

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

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

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

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

Name:	API:	Entity:	Sec:	Twp:	Rng:	Lease Type:
<b>**SEE ATTACHED**</b>	<u>4303716397</u>					
Name:	API:	Entity:	Sec:	Twp:	Rng:	Lease Type:
Name:	API:	Entity:	Sec:	Twp:	Rng:	Lease Type:
Name:	API:	Entity:	Sec:	Twp:	Rng:	Lease Type:
Name:	API:	Entity:	Sec:	Twp:	Rng:	Lease Type:
Name:	API:	Entity:	Sec:	Twp:	Rng:	Lease Type:
Name:	API:	Entity:	Sec:	Twp:	Rng:	Lease Type:

**OPERATOR CHANGE DOCUMENTATION**

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

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

FILMING

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

FILING

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

COMMENTS

931006 BIA/Btm Approved 7-9-93.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
APR 11 1994

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.  
14-20-603-5045

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
RATHERFORD UNIT

8. Well Name and No.

RATHERFORD UNIT 9-W-21

9. API Well No.

43-037-16397

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 EXPLORATION & PRODUCING US, AS AGENT FOR MEPNA

3. Address and Telephone No.

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

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

660' FNL, 2080' FWL; SEC. 9, T41S, R24E

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

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

02-17-94 MIRU NU BOP, REL PKR. POOH W/170 JTS 2-3/8 TBG. PU BIT & SCRAPER

02-18-94 TAG FILL AT 5253'. DRILL OUT FILL TO PBTD AT 5455'. CIRC HOLE W/130 BBLs FW.

PU PKR, RIH & SET AT 5202. PRESS TEST CSG TO 1050#/HELD/OK. POOH

02-21-94 PU PKR ON 151 JTS 2-3/8 DUO-LINE TBG.

02-22-94 RIH W/168 JTS 2-3/8 TBG. ND BOP. CIRC PKR FLUID - SET PKR @ 5190'. TEST CSG/PKR

@ 1000#/HELD/OK. RD.

03-02-94 MIRU BLOWDOWN TO TEST TANK; ND WELLHEAD; SET PKR @ 5138'; NU WELLHEAD

03-08-94 PUMP 120 BBLs PKR FLUID. SET PKR @ 5216'. PRESS TEST CSG TO 1000 PSI/HELD/OK F/30

MIN. RDMO RETURN TO INJECTION.

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

Signed D. Irvin for Shirley Todd

Title ENV. & REG. TECHNICIAN

Date 04-01-94

(This space for Federal or State office use)

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

Title \_\_\_\_\_

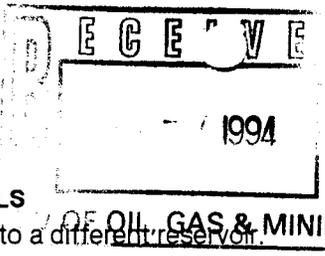
Date tax credit

Conditions of approval, if any:

3/9/94

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**14-20-603-5045**

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

7. If Unit or CA, Agreement Designation  
**RATHERFORD UNIT**

8. Well Name and No.  
**RATHERFORD UNIT 9W-21**

9. API Well No.  
**43-037-16397**

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 **INJECTION**

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.**

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. 9, T41S, R24E; 660' FNL, 2080' FWL**

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

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

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

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

**MOBIL REQUESTS PERMISSION FOR SHUT-IN STATUS. THIS WELL IS UNDER ENGINEER EVALUATION FOR FUTURE USE.**

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

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

Signed *Shirley Joad* Title ENV. & REG. TECHNICIAN Date 11/01/94

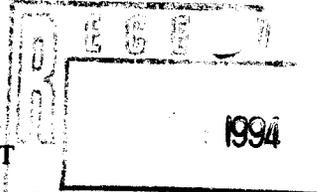
(This space for Federal or State office use)

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

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5. Lease Designation and Serial No.

14-20-603-5045

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

9W-21

9. API Well No.

43-037-16397

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 INJECTION

2. Name of Operator Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.

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)  
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	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other MIT
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

MECHANICAL INTEGRITY PERFORMED 11-04-94.

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

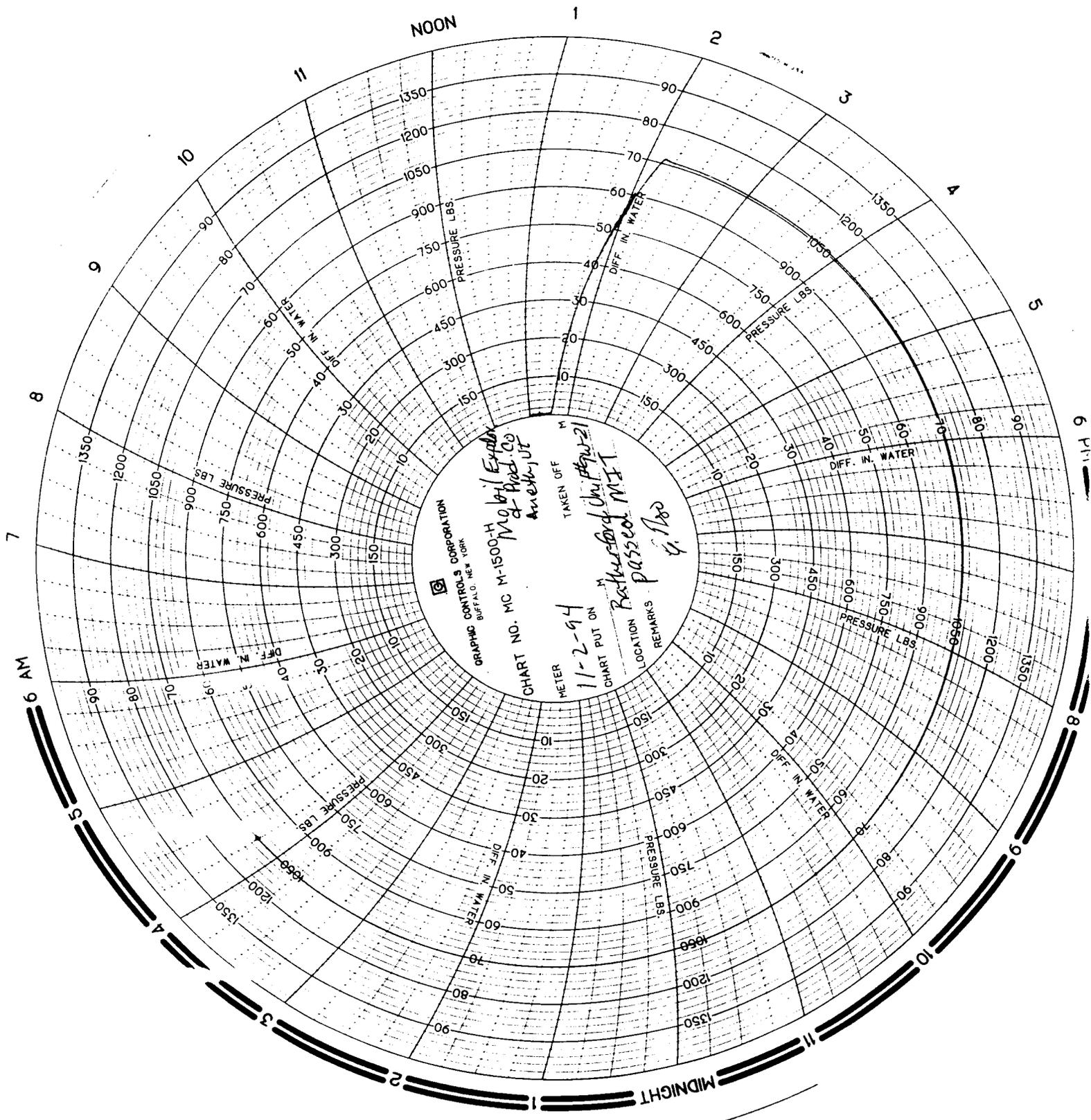
Signed D. Irvine for Shirley Todd Title ENV. & REG. TECHNICIAN Date 11/14/94

(This space for Federal or State office use)

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

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

\* See instruction on Reverse Side



GRAPHIC CONTROLS CORPORATION  
BUFFALO, N.Y.

CHART NO. MC M-1500-H  
Mg. Lab. Expt.  
2-Prod. Co.  
Anhyd. Ut

METER TAKEN OFF M  
11-2-94

CHART PUT ON M  
LOCATION Parkhurst Chm. Bldg-21

REMARKS Passed MFT  
4:100

6 AM

7

8

9

10

11

NOON

1

2

3

4

5

6

7

8

9

10

11

MIDNIGHT

PRESSURE LBS.

PRESSURE LBS.

PRESSURE LBS.

PRESSURE LBS.

PRESSURE LBS.

DIFF. IN WATER

6 PM

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**  
**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).**

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
✓MEPNA (MOBIL	43-037-15506	L-21	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-16358	K-24	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-30400	K-22X	41S	25E	18	INJI	Y
✓MEPNA (MOBIL	43-037-15499	J-21	41S	25E	18	INJW	Y
✓MEPNA (MOBIL	43-037-15508	L-25	41S	25E	19	INJW	Y
✓MEPNA (MOBIL	43-037-15839	1W24	41S	23E	1	INJW	Y
✓MEPNA (MOBIL	43-037-15838	1W13	41S	23E	1	INJW	Y
✓MEPNA (MOBIL	43-037-16386	2W44	41S	23E	2	INJW	Y
✓MEPNA (MOBIL	43-037-15842	11W44	41S	23E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15841	11W42	41S	23E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15848	12W33	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15850	12W42	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15847	12W31	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-16404	12W13	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15845	12W22	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15843	12W11	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-31151	12W24	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-31543	RATERFORD 12	41S	23E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15854	13W31	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15851	13W13	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15857	13W42	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16407	13W44	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15855	13W33	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-31152	13W11	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15852	13W22	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-15853	13W24	41S	23E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16410	14W43	41S	23E	14	INJI	Y
✓MEPNA (MOBIL	43-037-15860	14W43	41S	23E	14	INJW	Y
✓MEPNA (MOBIL	43-037-15863	24W42	41S	23E	24	INJW	Y
✓MEPNA (MOBIL	43-037-15862	24W31	41S	23E	24	INJW	Y
✓MEPNA (MOBIL	43-037-15984	6W14	41S	24E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15988	7W32	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15990	7W41	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16394	7W21	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15985	7W12	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15989	7W34	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15986	7W14	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15987	7W23	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16395	7W43	41S	24E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16396	8W43	41S	24E	8	INJI	Y
✓MEPNA (MOBIL	43-037-15992	8W14	41S	24E	8	INJW	Y
✓MEPNA (MOBIL	43-037-16398	9W23	41S	24E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16400	9W43	41S	24E	9	INJI	Y
✓MEPNA (MOBIL	43-037-16397	9W21	41S	24E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16402	10W23	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-16401	10W21	41S	24E	10	INJI	Y
✓MEPNA (MOBIL	43-037-16403	10W43	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-16413	15W43	41S	24E	15	INJI	Y
✓MEPNA (MOBIL	43-037-16411	15W21	41S	24E	15	INJW	Y
✓MEPNA (MOBIL	43-037-16412	15W23	41S	24E	15	INJI	Y
✓MEPNA (MOBIL	43-037-16415	16W43	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-15720	16W12	41S	24E	16	INJW	Y
✓MEPNA (MOBIL	43-037-15721	16W14	41S	24E	16	INJW	Y

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

Routing	
1- <del>VLC</del>	7-PL ✓
2-LWP ✓	8-SJ ✓
3- <del>DES</del>	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>037-16397</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Le 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
- Le 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)
- Le 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

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

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

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

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

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

**FILMING**

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

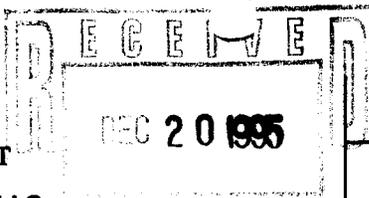
**FILING**

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

**COMMENTS**

*950803 LLC F5/Not necessary!*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

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1. Type of Well

Oil Well  Gas Well  Other INJECTOR

2. Name of Operator Mobil Exploration & Producing U.S. Inc.  
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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)  
660' FNL, 2080' FWL  
SEC. 9, T41S, R24E

5. Lease Designation and Serial No.

14-20-603-5045

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

9 W 21

9. API Well No.

43-037-16397

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

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

TYPE OF SUBMISSION

- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other SI STATUS
- 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.)\*

MOBIL REQUESTS AN EXTENSION FOR SI STATUS. ENGINEERS ARE EVALUATING THIS WELL FOR FUTURE EXPANSION OF WATER FLOOD FOR 1996.

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

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

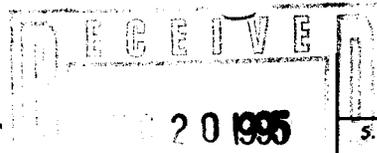
Signed Shirley Robertson Title ENV. & REG. TECHNICIAN

Date 12-15-95  
11-10-95

(This space for Federal or State office use)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

Use "APPLICATION FOR PERMIT - " for such proposals

**SUBMIT IN TRIPPLICATE**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>INJECTOR</b>		5. Lease Designation and Serial No. <b>14-20-603-5045</b>
2. Name of Operator <b>Mobil Exploration &amp; Producing U.S. Inc. as Agent for Mobil Producing TX &amp; NM Inc.</b>		6. If Indian, Allottee or Tribe Name <b>NAVAJO TRIBAL</b>
3. Address and Telephone No. <b>P.O. Box 633, Midland, TX 79702 (915) 688-2585</b>		7. If Unit or CA, Agreement Designation <b>RATHERFORD UNIT</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>660' FNL, 2080' FWL SEC. 9, T41S, R24E</b>		8. Well Name and No. <b>9 W 21</b>
		9. API Well No. <b>43-037-16397</b>
		10. Field and Pool, or exploratory Area <b>GREATER ANETH</b>
		11. County or Parish, State <b>SAN JUAN UT</b>

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

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

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

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

**MOBIL REQUESTS AN EXTENSION FOR SI STATUS. ENGINEERS ARE EVALUATING THIS WELL FOR FUTURE EXPANSION OF WATER FLOOD FOR 1996.**

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

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

Signed Shirley Robertson Title ENV. & REG. TECHNICIAN Date 11-10-95 <sup>12-15-95</sup>

(This space for Federal or State office use)

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

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.  
**14-20-603-5045**

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

7. If Unit or CA, Agreement Designation  
**RATHERFORD UNIT**

8. Well Name and No.  
**RATHERFORD 9-W-21**

9. API Well No.  
**43-037-16397**

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 **INJECTOR**

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.**

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)  
**660 FNL, 2080 FWL  
SEC.9, T41S, R24E**

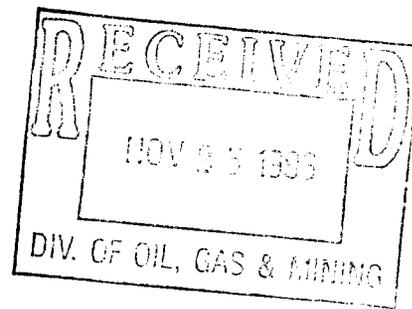
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> 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 <b>SHUT IN STATUS</b>	<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.)\*

**MOBIL IS REQUESTING AN EXTENSION OF SHUT IN STATUS. ENGINEERS ARE EVALUATING THIS WELL FOR FUTURE CO2 EXPANSION.**



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

Signed Shelby Washburn Title **ENV. & REG. TECHNICIAN** Date **11-20-96**

(This space for Federal or State office use)  
Approved by [Signature] Title Retention Engineer Date 11/25/96  
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.

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.

14-20-603-5045

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 9 W 21

9. API Well No.

43-037-16397

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)

660' FNL, 2080' FWL

SEC. 9, T41S, R24E

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

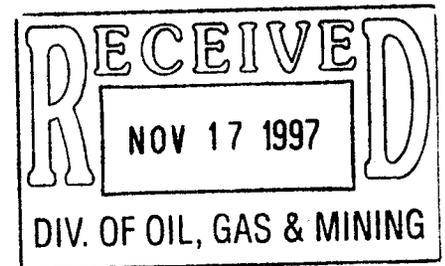
- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other \_\_\_\_\_  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(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.)\*

MOBIL IS REQUESTING AN EXTENSION OF TA STATUS. THIS WELL WILL BE UTILIZED FOR THE CO2 EXPANSION.

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



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

Signed Shirley Houchins

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 11-11-97

(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.

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.

14-20-603-5045

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 9-W-21

9. API Well No.

43-037-16397

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. 9, T41S, R24E  
660' FNL & 2080' FWL

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

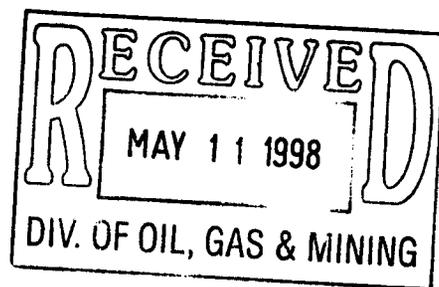
TYPE OF ACTION

- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other MIT TESTS  
 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.)\*

SEE ATTACHED MIT AND CHART.



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

Signed

*Shirley Houchins*

Title

SHIRLEY HOUCHINS/ENV & REG TECH

Date

5-13-98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator Mobil E. & P., Inc Date of Test 11-20-97  
Well Name ~~MOBIL~~ RU# 9W-21 EPA Permit No. \_\_\_\_\_  
Location Sec. 9, T41S-R23E Tribal Lease No. 14-20-605-5045  
State and County San Juan County, UT

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

<u>TIME</u>	<u>ANNULUS PRESSURE, psi</u>	<u>TUBING PRESSURE, psi</u>
3:50	1080	0
3:55	1080	/
4:00	1080	
4:10	1080	
4:20	1080	

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

PASSED M.I.T.

Wilson Dee (Print and Sign) Wilson 11-20-97  
COMPANY REPRESENTATIVE: \_\_\_\_\_ DATE \_\_\_\_\_  
Melvin Capitan Jr. (Print and Sign) [Signature] 11-20-97  
INSPECTOR: \_\_\_\_\_ DATE \_\_\_\_\_

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF INSPECTION

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

Date	11-20-97
Hour	4:00 PM

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

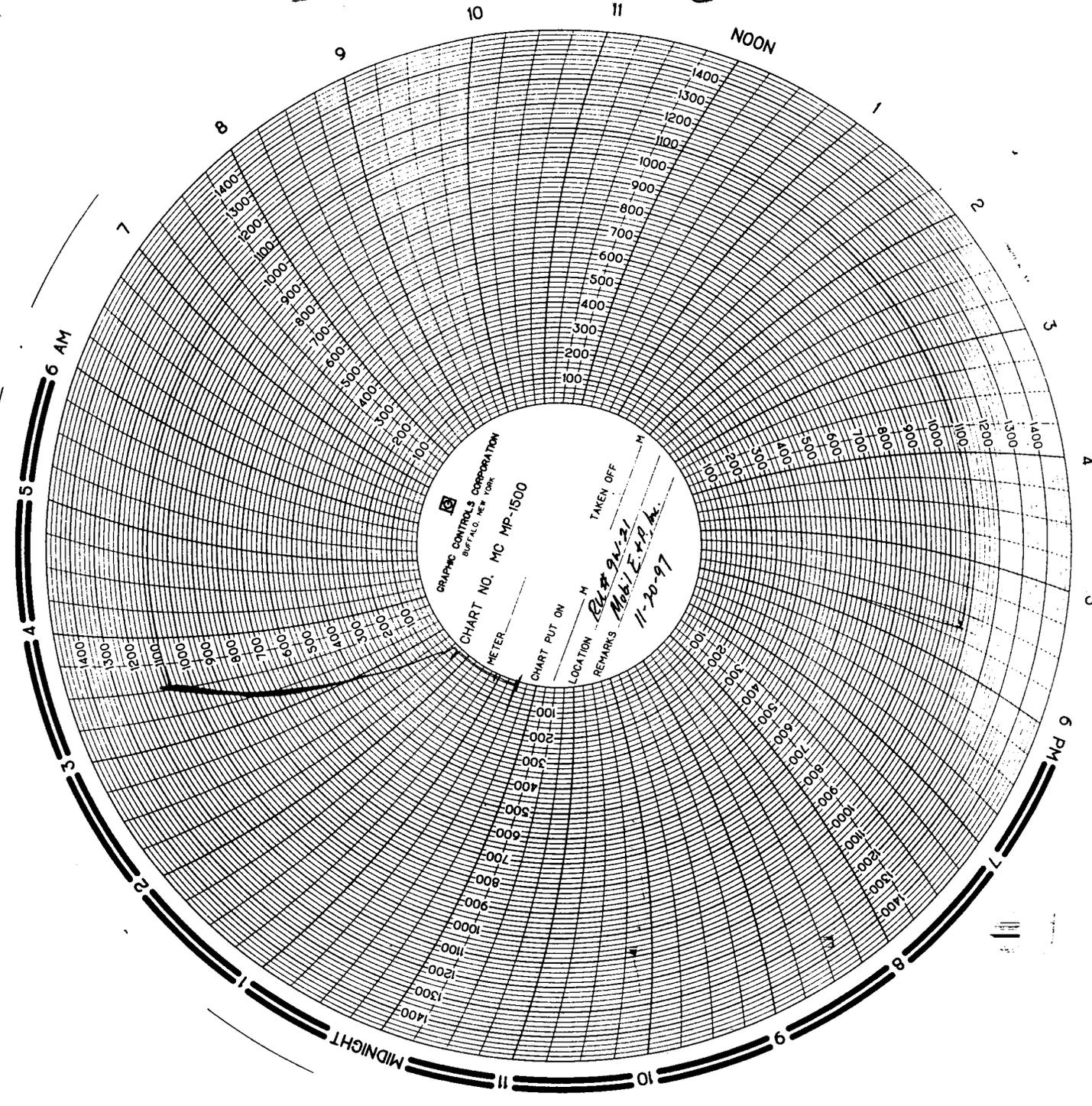
For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable permit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

*RU # 9W-21, WATER INJECTION WELL - M.I.T - PASSED*

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

Receipt of this Notice of Inspection is hereby acknowledged.

Firm Representative <i>WL Owen</i>	Date 11-20-97	Inspector <i>M.L. G.L. 97</i>
---------------------------------------	------------------	----------------------------------



GRAPHIC CONTROLS CORPORATION  
BUFFALO, N.Y. 10208

CHART NO. MC MP-1500

METER

CHART PUT ON

LOCATION

REMARKS

TAKEN OFF

*Blk # 941-21*  
*Mkt. E.P., A.*  
*11-20-97*

6 AM

NOON

6 PM

MIDNIGHT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

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

3. Address and Telephone No.

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

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

SEC. 9, T41S, R24E  
660' FNL & 2080' FWL

5. Lease Designation and Serial No.

14-20-603-5045

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 9-W-21

9. API Well No.

43-037-16397

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

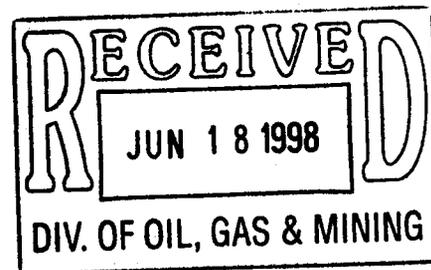
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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MOBIL IS REQUESTING AN EXTENSION OF TA STATUS. THIS WELL WILL BE UTILIZED FOR THE CO2 EXPANSION.



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

Signed

*Shirley Houchins*

Title

SHIRLEY HOUCHINS/ENV & REG TECH

Date

6-16-98

(This space for Federal or State office use)

Approved by

Accepted by the

Title

Date

Conditions of approval, if any:

Utah Division of  
Oil, Gas and Mining

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

FOR RECORD ONLY

Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.

14-20-603-5045

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 9-W-21

9. API Well No.

43-037-16397

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. 09, T41S, R24E  
660' FNL & 2080' FWL

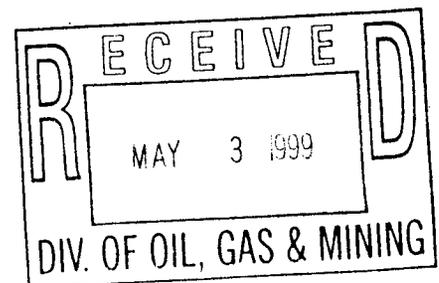
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

MOBIL IS REQUESTING CONTINUED SHUT-IN STATUS. THIS WELL WILL BE UTILIZED FOR THE CO2 EXPANSION.



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

Signed Shirley Houchins for Title SHIRLEY HOUCHINS/ENV & REG TECH Date 4-30-99

(This space for Federal or State office use)

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

Conditions of approval, if any:

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

\* See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. 14-20-603-5045
2. Name of Operator Mobil Producing TX & NM Inc* *Mobil Exploration & Producing US Inc as agent for MPTM		6. If Indian, Allottee or Tribe Name NAVAJO TRIBAL
3a. Address P.O. Box 4358, Houston, TX 77210-4358		7. If Unit or CA/Agreement, Name and/or No. Rutherford Unit
3b. Phone No. (include area code) 713-431-1022		8. Well Name and No. Rutherford Unit 9-W-21
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FNL & 2080' FWL                      Sec. 9-T41S-R24E		9. API Well No. 43-037-16397
		10. Field and Pool, or Exploratory Area Greater Aneth
		11. County or Parish, State San Juan, UTAH

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

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

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

Exxon Mobil Corporation plans to Plug & Abandon this well.  
P&A procedures will be submitted to the BLM By June 30, 2000.

MAY 20 2000  
DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Mark Del Pico		Title EHS Advisor
Signature <i>Mark Del Pico</i>		Date 5/25/00
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	

Accepted by  
Utah  
Oil, Gas & Mining  
Date  
**FOR RECORD ONLY**

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.

COPY SENT TO OPERATOR  
Date: 5-31-00  
Initials: CHD

Entered Approval of this  
Action to Bureau

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.  
14-20-603-5045

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 #9W21

9. API Well No.  
43-037-16397

10. Field and Pool, or Exploratory Area  
GREATER ANETH

11. County or Parish, State  
SAN JUAN, UTAH

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

2. Name of Operator  
Mobil Producing TX & NM Inc. \*

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec. 09, T41S, R24E 660' FNL & 2080' FWL

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

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

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

MIT results and chart are attached.

1-20-2000 - No results  
2-4-2000 - Passed

**RECEIVED**

MAY 16 2000

DIVISION OF  
OIL, GAS AND MINING

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

Name (Printed/Typed) Ellen M. Carroll	Title Senior Staff Office Assistant	* ExxonMobil Production Company, A division of Exxon Mobil Corporation, acting for Mobil Producing Texas & New Mexico, Inc.
Signature <i>Ellen M. Carroll</i>	Date 5/12/2000	

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

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

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator EXXON-MOBIL E. & P., INC. Date of Test 1-20-2000

Well Name RATHERFORD UNIT WELL #09W21 EPA Permit No. \_\_\_\_\_

Location SEC 9, T41S, R24E Tribal Lease No. \_\_\_\_\_

State and County SAN JUAN COUNTY, UTAH

Continuous Recorder? YES  NO

Pressure Gauge? YES  NO

Bradenhead Opened? YES  NO

Fluid Flow? YES  NO

<u>TIME</u>	<u>ANNULUS PRESSURE, psi</u> <i>0-2000 psi gauge</i>	<u>TUBING PRESSURE, psi</u> <i>0-1500 psi recorder</i> <i>no gauge</i>
<u>10:35 AM</u>		

RECEIVED

MAY 16 2000

DIVISION OF OIL, GAS AND MINING

MAX. INJECTION PRESSURE: 3000 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)).

Inactive, not injecting.  
Small amount of fluid on bradenhead.  
No sign to identify well at wellpad. Exxon-Mobil E.&P., Inc. was going to replace it.  
Exxon-Mobil was going to change out the valve and replace tubing gauge.  
Reschedule MIT

Carson Blankenship  
COMPANY REPRESENTATIVE: (Print and Sign)

1/20/00  
DATE

MELVINA K. CLAY  
INSPECTOR: (Print and Sign)

1-20-2000  
DATE

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator EXXON-MOBILE E.P. US WEST Date of Test 2-4-2000

Well Name RATHERFORD UNIT WELL #9W<sup>21</sup> EPA Permit No. \_\_\_\_\_

Location SEC 9 T41 S R24E Tribal Lease No. \_\_\_\_\_

State and County SAN JUAN COUNTY, UTAH

Continuous Recorder? YES  NO

Pressure Gauge? YES  NO

Bradenhead Opened? YES  NO

Fluid Flow? YES  NO

TIME	ANNULUS PRESSURE, psi		TUBING PRESSURE, psi
	0-2000 gauge	0-1500 psi recorder	0-3000 gauge
2:19 pm	1040	1000	0
2:24 pm	1040	1000	0
2:29 pm	1040	985	0
2:34 pm	1040	980	0
2:39 pm	1040	955	0
2:44 pm	1040	940	0
2:49 pm	1040	940	0

MAX. INJECTION PRESSURE: 3000 PSI

MAX. ALLOWABLE PRESSURE CHANGE: 52.0 PSI (TEST PRESSURE X 0.05)

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

Inactive

Passed MIT

RECEIVED

MAY 16 2000

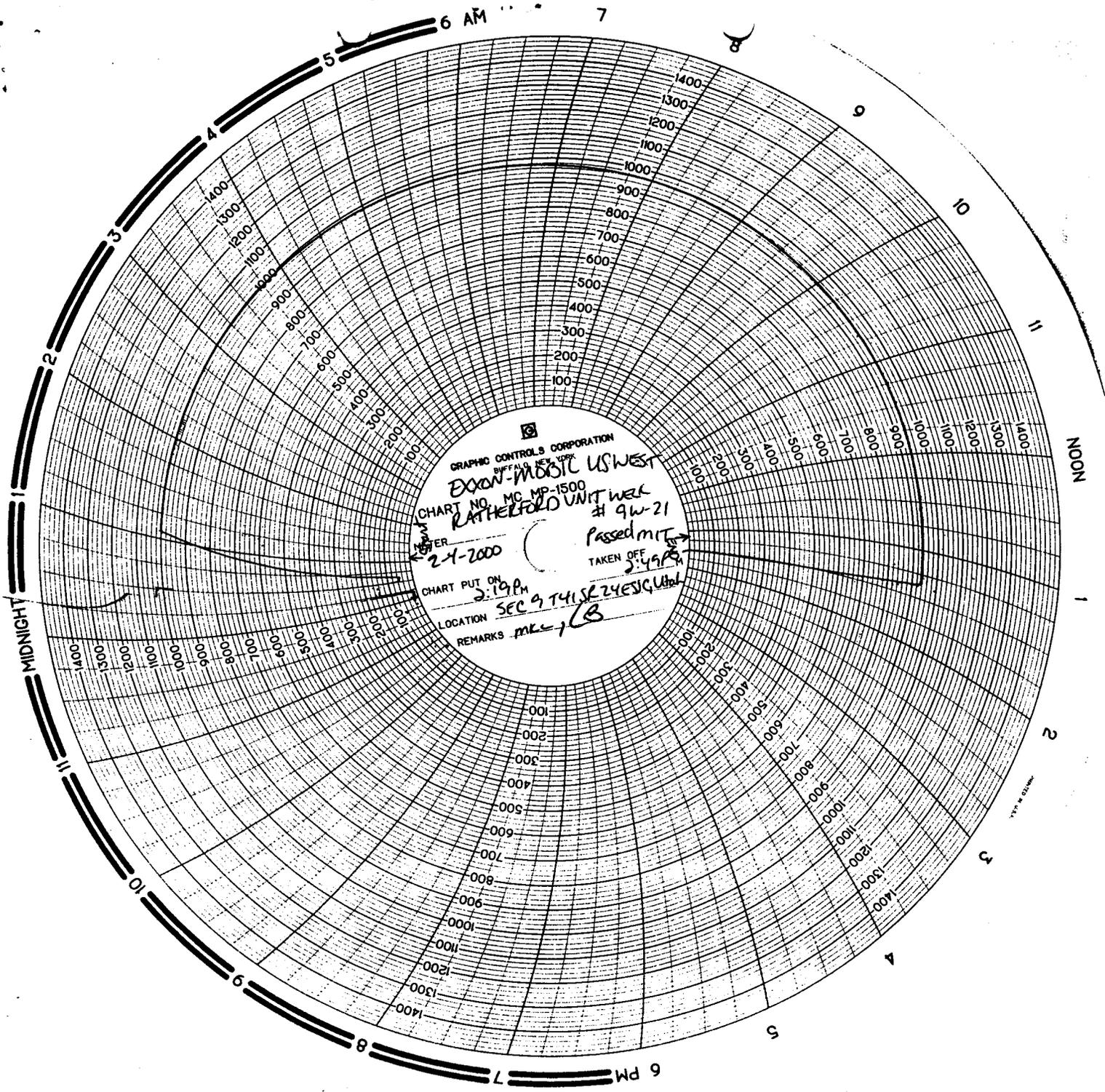
DIVISION OF OIL, GAS AND MINING

Carroll Blumgart  
COMPANY REPRESENTATIVE: (Print and Sign)

2/4/00  
DATE

MELVINA K. CLAH  
INSPECTOR: (Print and Sign)

2-4-2000  
DATE



**RECEIVED**

MAY 15 2000

DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Serial No.  
**14-20-603-5045**

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

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

8. Well Name and No.  
**Ratherford Unit 9-W-21**

9. API Well No.  
**43-037-16397**

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

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

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

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

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

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

3b. Phone No. (include area code)  
**(713) 431-1208**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**660' FNL & 2080' FWL**  
**Sec 9 T41S R24E**

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

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

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

**PLEASE APPROVE THE ATTACHED PROCEDURES FOR THE ABOVE WELL.**

RECEIVED  
JUN 24 1999  
DIVISION OF  
OIL, GAS AND MINING

**COPY SENT TO OPERATOR**  
Date: 6-23-00  
Initials: CHD

\* Exxon Mobil Production Comp.  
A division of Exxon Mobil Corp.  
On behalf of  
Mobil Producing TX & NM, Inc.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed) **Yasmin N. Medhora**    Title **Regulatory Specialist**

Signature *Y. N. Medhora*    Date **06/20/2000**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

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

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 9-21

GENERAL PROCEDURES.

**Note – Drilling Fluids**

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

*Note – Call ahead (at least 48hrs prior to testing) to the Navajo EPA and BLM so that they have time to find a witness for the MIT test if needed once the injection string is run back in. The backside should be tested to 1000psi with no more than a 10% loss in 30minutes if a successful test is to be obtained. The test should be charted and an original copy sent to Ellen Carroll (713-431-1197) in Houston, Tx.*

- (1) Prior to MIRU blow down well in pit or bobtail until tbg pressure drops below 500psi and csg pressure drops to 0psi. Kill well as needed. 4hrs
- (2) MIRU PU. Ensure well is dead. ND wellhead and NU BOPE. 2hrs
- (3) POOH LD Guiberson G6 pkr and 2 3/8" tbg. 4hrs
- (4) PU 2 7/8" workstring and cmt ret to 5350'. 4hrs
- (5) Set cmt ret at 5350' which is approximately 50' –75' above perms and pressure test to csg to 500#. 2hr

*Note – If part of the existing equipment was left in the hole then set cmt ret 50' above it and continue plugging operations as noted. If remaining equipment is above a known isolation zone, then pump sufficient cmt to cover that zone plus 100% excess.*

REVISIONS  
DATE  
BY  
REVISIONS  
DATE  
BY  
REVISIONS  
DATE  
BY

- (6) MIRU cmt company. Turn off cathodic protection. Dig out surface casing. 2hrs
- (7) Sting into cmt ret and pump 20 sx of class B (65/35% poz + 6% gel) At 12.7# and 1.79yield cmt into the formation and below the cmt ret. 0.5hr
- (8) Sting out of the retainer and bring cmt top to 5207'. This will require 34sx of class B cmt. Roll the hole with 10ppg mud or brine. 2hr

*Note - This plug is covering the Ismay formation @5257'.*

- (9) RIH w/ 2 7/8" ws and tag Ismay plug. Record depth, time, date, and witnesses on DRS report. 2hr
- (10) POOH w/ sufficient tbg and begin to spot the second balanced plug from 4482' to 4282' with 45sx of class B cmt. Top of cmt plug must be no lower than 4332'. If not proceed to raise cmt top. 2hr

*Note - This plug is covering the Hermosa formation @4432'.*

- (11) RIH w/ 2 7/8" ws and tag Hermosa plug. Record depth, time, date, and witnesses on DRS report. 2hr
- (12) POOH LD 2 7/8" workstring and SB approximately 1490'. 2hr
- (13) MIRU wireline unit. RIH w/ 4" perforating guns loaded w/ 4jspf. Perforate 5 1/2" csg from 1615' - 1619' (16holes total). POOH and RDMO wireline unit. 2hrs
- (14) RIH w/ 2 7/8" ws and cmt retainer to 1490'; 1hr
- (15) Close 5 1/2" csg. Pressure test backside to 300# and monitor. 0.5hr
- (16) Establish rate into perms @ 1-2bpm. 0.5hr
- (17) Set retainer @ 1490'. 0.5hr
- (18) Open 5 1/2" csg and re-establish rate into the perms @ 1-2bpm. 0.5hr
- (19) MIRU cmt company if needed. Mix & pump 200sx of class B (65/35% poz + 6% gel) At 12.7# and 1.79yield. Fill space between 8 5/8" and 5 1/2". 2hrs

*Warning! - - Do not exceed 1000psi surface pressure.*

*Note 1 - Cmt displacement includes 20% excess (34sx).*

*Note 2 - If getting good uncontaminated cmt returns, close 5 1/2" csg and continue to fill csg to desired volume.*

*Note 3 - If cmt fails to circulate between the 5 1/2" x 8 5/8" csg, then the BLM requires cmt from 162' to surface. The preferred method is to fill csg using 1" string as opposed to re-perforating. For more details contact SSEngr at 713-431-1253 or p888-397-7479.*

RECEIVED  
 OCT 10 1988  
 11:00 AM  
 OPERATIONS  
 C. L. ...

(20) Fill interval (1619' - 1490') below cmt retainer with 12sx of class B (65/35% poz + 6% gel) cmt at 12.7ppg and 1.79yield. Sting out of retainer and fill 5 1/2" csg interval with 185sx of class B at 15.6ppg and 1.18yield. 2hr

(21) POOH LD 2 7/8" workstring as needed. 1hr

(22) ND BOPs. 1hr

(23) If csg string tops are above ground level, then cut off to ground level. 2hr

(24) Top fill all csg strings w/ neat cmt if needed. Use 1" string as needed. 1hr

(25) Weld a steel cap across SURFACE CSG STUB stating the following:

(a) ExxonMobil Prod Company U.S. West

(b) Ratherford Unit #9-21

(c) Navajo Tribal Lease # fill in

(d) GL: 4533'

(e) 660' FNL & 2080' FWL

(f) Sec 9/T41S/R24E

(g) San Juan County, Utah

(26) RDMO PU. Clean and level location. Notify Yazmin Medhora (713-431-1208) when work is done so that a sundry notice (form 3160-5) can be filed w/ the BLM. 1hr

Total hrs - 43hrs + 5hrs misc = 48hrs

UNRECORDED  
10/1/10  
E. J. GUY  
CALIFORNIA STATE

**atherford 9-21**  
**WELL ID**  
**API # 43-037-16397**  
**Sec 9 -T41S - R24E**

**OVERALL OBJECTIVE:**  
 (1) Pull existing equipment  
 (2) Set isolation plugs  
 (3) P&A wellbore

Conductor csg - 13 3/8",  
 48#, H40, 175', 230sx of  
 cmt

Surface csg - 8 5/8", 28#,  
 H40, 1512'

Surface Csg Shoe @1512'

**NEW EQUIPMENT INFO**

166jts of 2 3/8" cmt lined  
 tbg  
 5216' Guiberson G6 pkr  
 w/ DH shutoff valve and  
 on/off tool

166jts 2 3/8" cmt  
 lined tbg

TOC 2890'

Guiberson G6 pkr @5216',  
 DH shutoff valve, on/off tool

Perfs  
 5400'-5404'  
 5410'-5414'  
 5428'-5432'  
 5438-5444' sqz'd off

5' of cmt on top @5455'  
 Cmt Ret @5460'

5475'-5490' sqz'd off

5 1/2", 15.5#, J55, 5629' w/ 400sx of  
 cmt

PBTD - 5583'  
 TD - 5638'

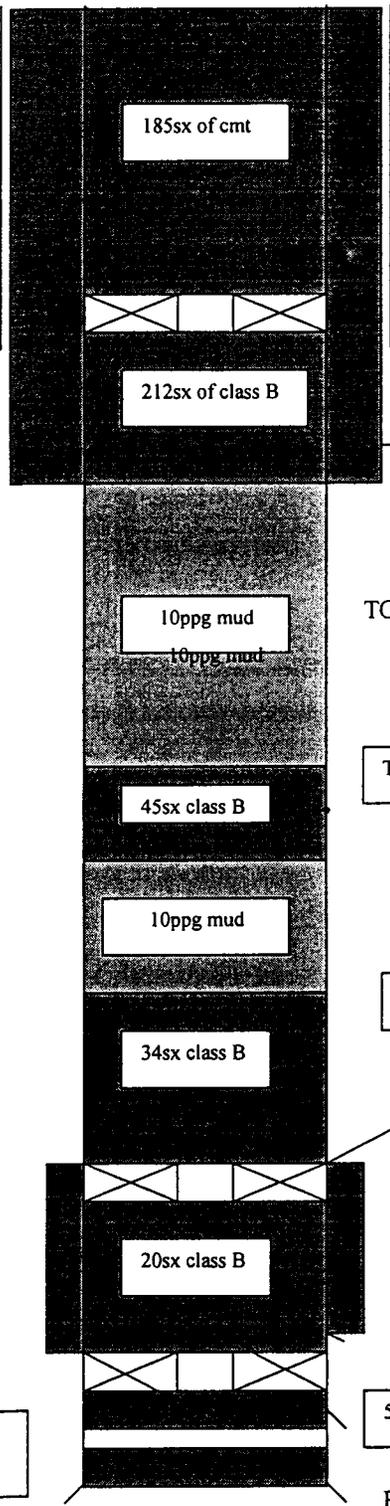
REVISIONS  
 NO. DATE BY  
 1 11/11/10 JLD  
 2 11/11/10 JLD  
 3 11/11/10 JLD

Northford 9-21  
 WELL ID  
 API # 43-037-16397  
 Sec 9 -T41S - R24E

- OVERALL OBJECTIVE:
- (1) Pull existing equipment
  - (2) Set isolation plugs
  - (3) P&A wellbore

Conductor csg - 13 3/8",  
 48#, H40, 175', 230sx of  
 cmt

Surface csg - 8 5/8", 28#,  
 H40, 1512'



Cmt Ret - 1490'  
 Surface Csg Shoe @1512'

- NEW EQUIPMENT INFO**
- 185sx of class B  
15.6ppg @1.18yield
  - 212sx of class B  
12.7ppg @1.79yield w/  
65/35%poz + 6% gel
  - 45sx of class B 15.6ppg  
@1.18yield
  - 34sx of class B 15.6ppg  
@1.18yield
  - 20sx of class B  
12.7ppg @1.79yield

TOC 2890'

TOP 4282' - covering Hermosa - 100% excess cmt

TOP 5207' - covering Ismay

Cmt Ret - 5350'

5' of cmt on top @5455'  
 Cmt Ret @5460'

5475'-5490' sqz'd off

- Formation Tops**
- Hermosa  
4432'
  - Ismay  
5257'

PBTD - 5583'  
 TD - 5638'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE - Other instructions on reverse side*

1. Type of Well  
 Oil Well     Gas Well     Other

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)  
**713-431-1798**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec 09, T41S, R24E  
 660' FNL & 2080' FWL**

5. Lease Serial No.  
**14-20-603-5045**

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                      9-W-21**

9. API Well No.  
**43-037-16397**

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

11. County or Parish, State  
**San Juan                      UT**

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

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

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

\* ExxonMobil Production Comp. A division of Exxon Mobil Corp.  
 on behalf of Mobil Producing T.X. & N.M.

ExxonMobil requests extension of the SI status of this well. This well is to be utilized in the CO2 expansion to the Ratherford Unit.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining

Date: 7/20/01

By: D.A. R. Dent

PA complete 6/22/01 - Sundry rec'd 7/23/01    DED 8/29/01

Federal Approval Of This  
 Action Is Necessary

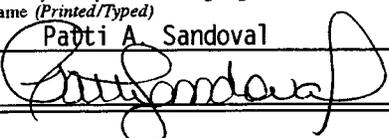
**RECEIVED**

JUN 18 2001

DIVISION OF  
 OIL, GAS AND MINING

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

**Patti A. Sandoval**



Title

**Sr. Staff Office Assistant**

Date

**06/15/01**

**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.

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File \_\_\_\_\_  Suspense \_\_\_\_\_  Other \_\_\_\_\_  
Rutherford Unit Wells (Return Date) \_\_\_\_\_  
(Loc.) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng. \_\_\_\_\_ (To-Initials) \_\_\_\_\_  
(API No.) \_\_\_\_\_

1. Date of Phone Call: \_\_\_\_\_ Time: \_\_\_\_\_

2. DOGM Employee (name) DUSTIN DOUCET ( Initiated Call)  
Talked to:  
Name Steve Mason ( Initiated Call) - Phone No. (505) 599-6364  
of (Company/Organization) BLM - Farmington

3. Topic of Conversation: SI/TA Extension - is it justified  
where do the BLM stand?

4. Highlights of Conversation: Called Steve 7/19/01 15:45 left message  
Steve returned call 7/20/01 @ 10:30. He has approved  
the SI/TA's. Said it is a small percentage of SI's in  
area (23 of 300 in area). They are making progress  
on plugging SI wells in area. It is taking a while  
to put SI's on Injection waiting on results etc.  
Adequate info has been provided to BLM according to Steve.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

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

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) 431-1828**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec 9 T41S R24E 660' FNL & 2080' FWL**

5. Lease Serial No.  
**14-20-603-5045**

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 9-W-21**

9. API Well No.  
**43-037-16397**

**GREATER ANETH**

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

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

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

5/17/01 - MIRU WSU. NDWH. NUBOPE.  
 5/18/01 - tEST BOPE. RELEASE PACKER AND POOH LAYING DOWN 166 JTS OF 2 3/8" CL TUBING. PU AND RIH WITH A BIT & SCRAPER ON WORK STRING. SION.  
 5/19/01 - OPEN WELL AND POOH WITH BIT & SCRAPER. MU AND RIH WITH CEMENT RETAINER. SET RETAINER AT 5332'. PRESSURE TEST CASING TO 1000 PSI FOR 30 MIN. OK. NOTIFIED STEVE MASON WITH THE BLM AND JIM WALKER WITH US EPA (VOICE MAIL) THAT WE COULD NOT INJECT AND INTEND TO SPOT 1100' OF CEMENT ON TOP OF RETAINER. OK'D. PULL OUT OF RETAINER AND POOH WITH 96 JOINTS AND SION.  
 5/22/01 - OPEN WELL AND FINISH POOH WITH WORK STRING. MIRU WIRELINE UNIT AND RIH. PERFORATE FROM 1615'-1619' WITH 4 SPF. POOH AND RD WIRELINE. ATTEMPT TO CIRCULATE DOWN THE 5.5" CASING AND UP THE 8 5/8" CASING ANNULUS. PU AND RIH WTH PACKER TO 60' AND ESTABLISHED CIRCULATION POOH AN LAY DOWN PACKER. RIH WITH 172 JOINTS OF OPEN-ENDED TUBING. SION.  
 5/23/01 - MIR SCHLUMBERGER. MIX & PUMP 130 SX CLASS 'G' CEMENT. POOH ABOVE TOC & REVERSE CLEAN. NOTE: RECEIVED PERMISSION FROM JIM LAVATO TO LEAVE FRESH WATER BETWEEN PLUGS VS 10 PPG KWF.

**SEE ATTACHMENT FOR ADDITIONAL REMARKS**

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

Name (Printed/Typed) **Cathy W. Higginbotham** Title **Staff Office Assistant**

Signature *Cathy Higginbotham* Date **07/19/2001**

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.

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

(Instructions on Reverse)

**FOR RECORD ONLY**

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining

RECEIVED  
 Date

OIL, GAS AND MINING

# ATTACHMENT

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DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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**Ratherford Unit 9W21**

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**43-037-16397**

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

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

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### Additional Remarks

**POOH. RIH AND SET RETAINER AT 1490'. MIX AND PUMP 200 SX OF 65/35 POZ CEMENT AND FOLLOWED WITH 200 SX IF CKASS 'G'. PUMPED THROUGH THE RETAINER UNTIL GOOD CEMENT IN RETURNS THEN PULLED OUT OF THE RETAINER AND FILLED THE 5.5" WITH CEMENT. POOH LAYING DOWN WORK STRING AND NCBOPE. SION.  
5/24/01 - RU INSIDE CASING CUTTER AND CUT OFF CASING. EXCAVATE AROUND WELHEAD AND HAVE WELDER CUT OFF 'A' SECTION. REMOVE WELLHEAD AND RDWSU MO.  
6/22/01 - WELDED ON CAP & P/A MARKER.**

RECEIVED

DIVISION OF  
OIL AND GAS ADMINISTRATION