

Converted to WI 8/26/75

- Scout Report sent out
- Noted in the NID File
- Location map pinned
- Approval or Disapproval Letter
- Date Completed, P. & A. or operations suspended 5-20-59
- Pin change on location map
- Affidavit and Record of A & P
- Water Shut-Off Test
- Gas-Oil Ratio Test
- Well Log filed

FILE NOTATIONS

- Entered in NID File
- \_\_\_\_\_ Sheet
- \_\_\_\_\_ Map Pinned
- \_\_\_\_\_ Card Indexed
- I, W, F for State or Fee Land: \_\_\_\_\_
- Checked by Chief \_\_\_\_\_
- Copy NID to Field Office \_\_\_\_\_
- Approval Letter
- Disapproval Letter \_\_\_\_\_

COMPLETION DATA:

- Date Well Completed 5/20/59 Location Inspected: \_\_\_\_\_
- OW  WW \_\_\_\_\_ TA \_\_\_\_\_ Bond released: \_\_\_\_\_
- GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_ State of Fee Land: \_\_\_\_\_

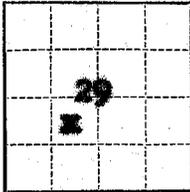
LOGS FILED:

- Dillers Log 6/14/59
- Electric Logs (No. ) 1
- E \_\_\_\_\_ L \_\_\_\_\_ E-1 \_\_\_\_\_ GR \_\_\_\_\_ GR-N  Micro \_\_\_\_\_
- Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

Form 9-331 b  
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency NAVAJO



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee \_\_\_\_\_  
Lease No. 14-20-603-407

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)

\_\_\_\_\_ April 15 \_\_\_\_\_, 1959

Well No. Navajo B-17 is located 1846 ft. from T1N line and 1632 ft. from R1E line of sec. 29  
SW/4 Sec. 29 (1/4 Sec. and Sec. No.)      T1S (Twp.)      R24E (Range)      S1E (Meridian)  
White Mesa (Field)      San Juan County (County or Subdivision)      Utah (State or Territory)

The elevation of the derrick floor above sea level is 5081 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)

We propose to drill this well with rotary tools to an estimated depth of 6000' to test the paradox formation. Approximately 300' of 8 5/8" surface casing will be run and cemented and if commercial production is found, a string of 5 1/2" production casing will be run and cemented and the well completed.

The above description of the well location is in relation to section lines established by private survey. Such location with respect to the lease boundaries is shown on the attached plat marked "Exhibit A".

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

Company Continental Oil Company

Address Box 3312

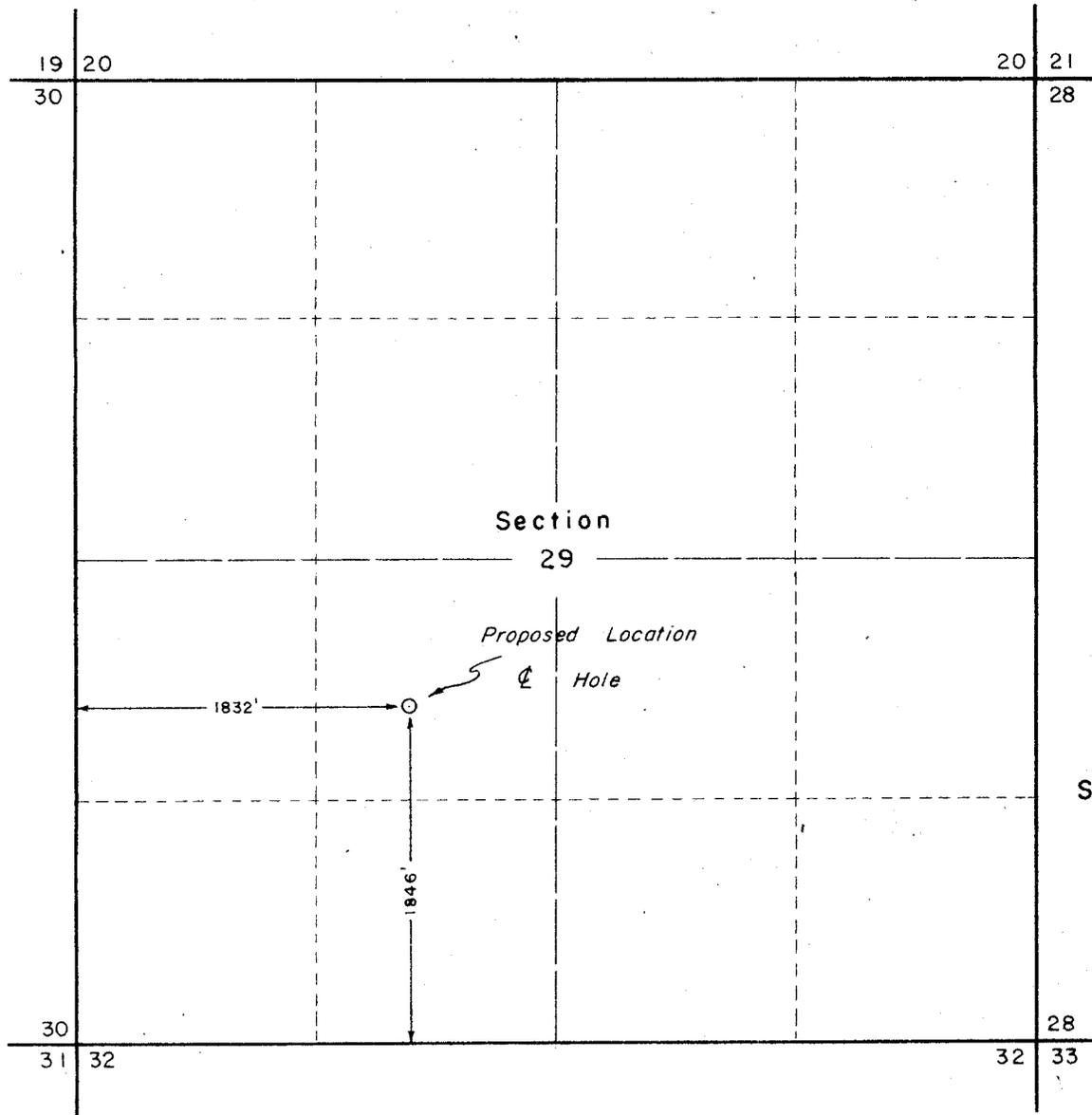
Durango, Colorado

ORIGINAL SIGNED BY:  
BURTON HALL

By \_\_\_\_\_

Title District Superintendent

# CERTIFICATE OF SURVEY



Scale: 1" = 1000'

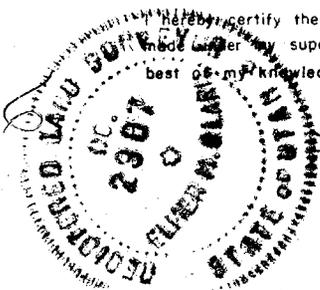
## WELL LOCATION: Continental Oil Co. — Navajo "B-17"

Located 1832 feet East of the West line and 1846 feet North of the South line of Section 29,  
 Township 41 South, Range 24 East, Salt Lake Meridian.  
 San Juan County, Utah  
 Existing ground elevation determined at 5072 feet based on adjoining well locations.

I hereby certify the above plat represents a survey made under my supervision and is accurate to the best of my knowledge and belief.

*Elmer M. Clark*

ELMER M. CLARK  
 Registered Land Surveyor  
 State of Utah (No. 2307)

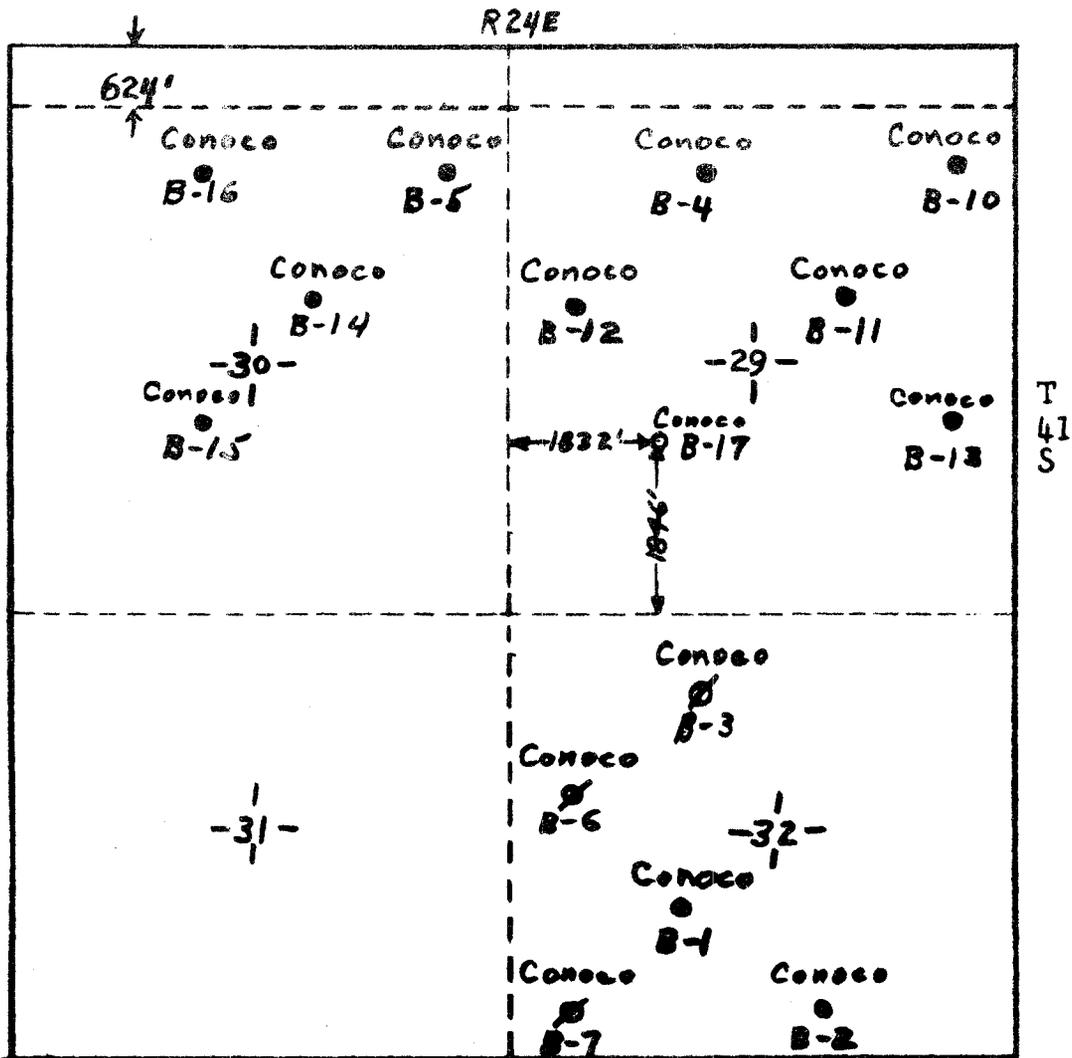


**E.M. CLARK & ASSOCIATES**  
 Durango, Colorado  
 April 14, 1959

EXHIBIT "A"

To Notice of Intention to Drill for  
Well No. Navajo B-17 (Continental)

Indian Lease No. 14-20-603-407



T41S - R24E  
San Juan County, Utah

Scale 1" = 2000'

————— Lease Boundary

- - - - - Section Lines

April 17, 1959

Continental Oil Company  
P. O. Box 3312  
Durango, Colorado

Attention: Burton Hall, Dist. Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo B-17, which is to be located 1846 feet from the south line and 1832 feet from the west line of Section 29, Township 41 South, Range 24 East, SLEB, 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

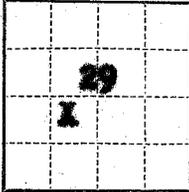
CBF:co

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

4

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee \_\_\_\_\_  
Lease No. 14-20-603-407

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

May 28, 1959

Well No. B-17 is located 1846 ft. from TX line and 1812 ft. from XXI line of sec. 29

SW/4 Sec. 29 T41S R24E SLBM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
White Mesa San Juan County Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5063 ft.

DETAILS OF WORK

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

Spudded 4-21-59, drilled with rotary tools to 6032' TD. Cored 5866'-6019'. DST 5866'-6019'. Ran 295', 8 5/8" surface casing cemented with 300 sacks regular and 6032', 5 1/2" production casing cemented with 275 sacks reg. and 75 sacks perlite, 6009' PD. Perforated 5875'-5914' with 4 jets per foot, with packer at 5850', acidized with 1200 gals. MCA, reset packer at 5757', acidized with 2000 gals. 15% NE, 18,000 gals. HV retarded and 5000# sand. Pulled packer and perforated 5962-62' and 5988-96' with 4 jets per foot with packer at 5930', acidized with 800 gals. MCA and with 1500 gal. 15% and 10,000 gal. HV retarded. Pulled packer and landed 2 7/8" tubing. Released rotary rig 5-19-59. IFP 528 BOPD on 1" choh gravity 42.0 at 60°, cut 1% BSM.

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

Company Continental Oil Company

Address Box 3312

Durango, Colorado

ORIGINAL SIGNED BY:  
By BURTON HALL

Title District Superintendent

WAB-ec  
USGS(3), UTAH OROCC (2), LWH, JEM

Navajo Tribe  
No. 14-20-603-407

U. S. LAND OFFICE \_\_\_\_\_  
SERIAL NUMBER \_\_\_\_\_  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

W/A  
6/8/59  
K-17-11

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Co. Address Box 3312, Durango, Colorado

Lessor or Tract Navajo Field White Mesa State Utah

Well No. 11-17 Sec. 29 T. 41S R. 24E Meridian SLBM County San Juan

Location 1845 ft. <sup>[N.]</sup> of S Line and 1832 ft. <sup>[E.]</sup> of W Line of Sec. 29 Elevation 5083'  
(Derrick floor relative to sea level)

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

Signed \_\_\_\_\_ ORIGINAL SIGNED BY  
BURTON HALL

Date June 10, 1959 Title District Superintendent

The summary on this page is for the condition of the well at above date.  
Commenced drilling April 21, 1959 Finished drilling May 19, 1959  
OIL OR GAS SANDS OR ZONES  
No. 1 from 1000 feet to 800 feet. (Denote gas by G)  
No. 2 from 800 feet to 500 feet.  
No. 3 from 500 feet to 300 feet.  
No. 4 from 300 feet to 100 feet.  
No. 5 from 100 feet to 0 feet.  
No. 6 from 0 feet to 0 feet.  
IMPORTANT WATER SANDS  
No. 1 from 0 feet to 0 feet.  
No. 2 from 0 feet to 0 feet.  
No. 3 from 0 feet to 0 feet.  
No. 4 from 0 feet to 0 feet.  
CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
8 5/8"	295	RB	300 regular	displacement			5962	5982	
5 1/2"	6032	RB	275 regular	displacement			5988	5996	
5 1/2"	15.5#	8rd	J-55	422'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	295 RB	300 regular	displacement		
5 1/2"	6032 RB	275 regular w/75 perlite	displacement		

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

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

SHOOTING RECORD

MARK

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

**TOOLS USED**

Rotary tools were used from 0 feet to 6032 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

Put to producing \_\_\_\_\_, 19\_\_\_\_  
 The production for the first 24 hours was 59 barrels of fluid, of which 99 % was oil; 1 %  
 was \_\_\_\_\_, \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment.  
 Based on 5 hr. test of 110 bbls. Gravity, °Ré 60°  
 XXX API 42.0 @ 60°  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller  
 Contractor: **Arapahoe Drilling Co.**

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
4835	5649	814	Hermosa
5649	5857	208	Paradox
5857	6032	175	Aneth
FROM—	TO—	TOTAL FEET	FORMATION

**FORMATION RECORD—Continued**

16-43094-4

WAB-ec  
 USGS (3), UTAH O&GCC(2), REN, JBH

JUN 4 1959



No. IT-50-003-103  
 WAB:JO ILTDS

SERIAL NUMBER \_\_\_\_\_  
 U.S. FIELD OFFICE \_\_\_\_\_



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.

11-20-607-107

6. IF INDEED, WELL LETTER OR TRIBE NAME

None

7. UNIT OR PLACEMENT NAME

None

8. FIRM OR COMPANY NAME

Phillips Petroleum Company

9. WELL NAME

Rutherford Unit

10. FIELD OR POOL, OR WILDLIFE

None

11. COUNTY AND STATE

San Juan, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
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  
1846' FSL, 1832' FWL of Sec. 29

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5083 D.F.

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

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORTS:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING

(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.)\*

Squeeze cement Zone II perfs. 5962-82, 5988-96, Acidize Zone I Perfs. 5975-5974 and return to Zone I Production.

Present Production: Shut Down 7-5-72 as unprofitable to operate.

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

Original Signed By:

SIGNED F. C. MORGAN

TITLE Production Superintendent

DATE Oct. 18, 1972

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-107</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Nevajo</b>
3. ADDRESS OF OPERATOR <b>P. O. Box 2920, Casper, Wyoming 82601</b>		7. UNIT AGREEMENT NAME <b>SW-1-4192</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1846' PSL &amp; 1832' PSL of Sec. 29</b>		8. FARM OR LEASE NAME <b>Rutherford Unit</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5083 DF</b>	9. WELL NO. <b>29-23</b>
		10. FIELD AND POOL, OR WILDCAT <b>Greater Anoth</b>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 29-T11S-R24E</b>
		12. COUNTY OR PARISH <b>San Juan</b>
		13. STATE <b>Utah</b>

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

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

**SEE ATTACHED SHEET**

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

SIGNED F. C. Morgan TITLE Production Superintendent DATE April 11, 1973

(This space for Federal or State office use)

APPROVED BY F. C. Morgan TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

- 3 - USGS, Farmington, New Mexico
- 2 - Utah O&G CC, Salt Lake City, Utah
- 1 - File

\*See Instructions on Reverse Side

DAILY REPORT DETAILED

1973  
FEB.  
27

RATHERFORD UNIT 29-23. INITIAL REPORT. PTD 5942 /OLD PTD 6009/. PREP TO SQZ ZONE II PERFS. MI AND RU RANDR WS UNIT 2/26/73 TO SQZ ZONE II PERFS AND ACIDIZE ZONE I PERFS, PLACE ON PRODUCTION FROM ZONE I ONLY. RAN BAKER CMT RETAINER ON 2-1/2" TBG. SET RETAINER AT 5942 FT. DATE LAST PRODUCED 7/4/72. WELL SHUT DOWN SINCE 7/5/72. PROD PRIOR TO SD WAS 16 BOPD, 3 MCFGPD, 1930 B/WPD, REDA PUMP. LOCATION 1846 FT FSL, 1832 FT FWL, SEC 29-41S-24E, SAN JUAN COUNTY, UTAH..

28

RATHERFORD UNIT 29-23 PTD 5942. PREP TO ACIDIZE ZONE I PERFS. RU HOWCO, FILLED ANNULUS W/20 BW, PRESSURED CSG AND RAMS TO 1000 LBS, TSTD TBG TO 4000 LBS, MIXED 250 SX CLASS C CMT W/O.6 PERCENT HALAD-9, SQUEEZED ZONE II PERFS 5962-82 OA AND ZONE III PERFS 5988-96 OA WITH 170 SX AT 4000 LBS MAX PRESS, 3500 LBS HOLDING PRESS. REVERSED OUT 80 SX. JOB COMPLETE 12-30 PM 2/27/73. PULLED TBG, RAN BAKER RETRIEVAMATIC PKR ON 2-1/2" TBG, W/3 JTS TAIL PIPE BELOW PACKER..

MARCH

1

RATHERFORD UNIT 29-23 PTD 5942. PREP TO SWB. RU DOWELL, PMPD 8 BBLs CRUDE DN TBG TO FILL HOLE, SET BAKER RETRIEVAMATIC PKR AT 5837, BTM OF 2-1/2" TBG TAIL PIPE AT 5930. TRTD ZONE I PERFS 5875-5914 AS FOLLOWS - PMPD 40 BO PAD /INCLUDES 8 BO USED TO FILL HOLE/ AT 1 BPM AT 3500 LBS, FOLLOWED WITH 5000 GALS 15 PERCENT HCL. INT,L PMPG RATE 1 BPM AT 3500 LBS. FINAL 5 BPM AT 3325 LBS. PMPD 6 BO SPACER, FOLLOWED BY 150 GALS LEASE CRUDE W/1/4 LB WIDE RANGE UNIBEADS, 1/2 LB UNIBead BUTTONS, AND 1-1/4 LB MOTH CRYSTALS PER GALLON. PMPD 6 BO SPACER FOLLOWED BY 5000 GALS 15 PERCENT HCL. INT,L PMPG RATE 4 BPM AT 3250 LBS. FINAL RATE 5 BPM AT 3500 LBS. FLUSHED W/36 BO, 3 BPM AT 3500 LBS. NO CHANGE WHEN BLOCK HIT FORMATION. USED 2 GALS/1000 GALS ACID OF A170 INHIBITOR AND W-35 DEMULSIFIER. ISIP 3150 LBS. 15 MIN SIP 3000 LBS. JOB COMPLETE 12-00 NOON 2/28/73. TOTAL 52 BO, 372 BA AND LW TO REC..

2

RATHERFORD UNIT 29-23 PTD 5942. SWBG. SWBD 8 HRS, REC 52 BLO, 1 BBL NET OIL, 20 BLW. 352 BL AND AW LEFT TO RECOVER..

3-5

RATHERFORD UNIT 29-23 PTD 5942. PMPG ON TEST. SWBD 6 HRS, REC 25 BO, 5 BLW. UNSEATED BAKER PKR. COOH W/TBG. RERAN 2-1/2" TBG W/BAKER ANCHOR-CATCHER AND SN. SET ANCHOR-CATCHER AT 5852. TBG INTAKE AT 5855. RAN 1-1/4" PUMP AND RODS. SET PUMP AT 5851. HUNG WELL ON. STARTED TEST. 347 BL AND AW TO RECOVER..

6

RATHERFORD UNIT 29-23 PTD 5942. PMPG PMPD 2 BO, 42 BLW, 24 HRS, 15.5-44-1-1/4, FL 2000 FT. CP 20 LBS. 305 BL AND AW TO RECOVER..

7

RATHERFORD UNIT 29-23 PTD 5942. CONT TEST. PMPD 24 HRS. REC 9 BO, 19 BLW, 15.5-44-1-1/4. 286 BL AND AW LEFT TO RECOVER. PRESS TSTD PUMP - OK. WELL PUMPED OFF..

8

RATHERFORD UNIT 29-23. PTD 5942. CONT TSTG. PMPD 24 HRS, REC 6 BO, 14 BLW, 15.5-44-1-1/4. 272 BL AND AW LEFT TO REC. RAN SONOLOG, WELL PMPD OFF. PRESSURED TBG. TBG AND PUMP OK.

9

RATHERFORD UNIT 29-23 PTD 5942. CONT TSTG. PMPD 24 HRS, REC 4 BO, 10 BLW, 15.5-44-1-1/3. 262 BL AND AW LEFT TO REC. TP 50 LBS. CP 35 LBS..

LEASE Ratherford Unit

WELL NO. 29-23

DAILY REPORT DETAILED

RATHERFORD UNIT 29-23 PTD 5942. CONT TST 3/10/73 PMPD 24 HRS, 8 BO,  
1 BLW, 3/11/73 PMPD 24 HRS, 7 BO, 3 BLW. 3/12/73 PMPD 24 HRS, 6 BO,  
2 BLW, 15.5-44-1-1/4, 256 BA AND LW LEFT TO REC. PRODUCING FROM PARADOX  
FORMATION, DESERT CREEK. ZONE I PERFS FROM 5875 TO 5914. GREATER ANETH.  
FIELD, SAN JUAN CO., UTAH. DROP FROM REPORT..

1973  
March

10-12

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-407

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

SU-1-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

2923

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. 29-T418-R24E

1.

OIL WELL  GAS WELL  OTHER

Water Injection Well

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, Wyoming 82601

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

1846' FSL and 1832' FWL (NE SW)

14. PERMIT NO.

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

5083 DF

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\*

Convert to Water Injection

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

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

SEE ATTACHED SHEET

NOTE: Converted to WI as proposed in our October 4, 1973 Supplemental Plan of Development and approved by Carl C. Traywick, Acting Area Oil & Gas Supervisor, on October 12, 1973.

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

SIGNED

*J. L. M. [Signature]*

TITLE

Area Superintendent

DATE

8/26/75

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

- 3 - USGS, Farmington NM
- 2 - Utah OGCOC, Salt Lake City UT
- 1 - File
- 1 - Superior Oil Co., Cortes CO

\*See Instructions on Reverse Side

REPORT INDIVIDUAL WELL ST

Lease Ratherford Unit Well No. 29W23 Authorization No. P-9555

Summary of Work Performed:

May 7, 1974 through December 3, 1974

Pulled rods and tubing, reran tubing with Baker Lok-Set Packer, hooked up for water injection, converted from shut down oil well to water injection well effective 11-11-74.

AVERAGE DAILY PRODUCTION

	Field and Formation	Oil	Gas	Water
Before Work	Greater Aneth - Paradox Desert Creek Zone I	Shut down oil well since 4-21-74		
After Work	" " "	Injected 73 BWPDF at 2500#		
Before Work				
After Work				

DATE P.T.D.

DAILY REPORT OF WORK PERFORMED

1974  
May 7

RATHERFORD UNIT NO. 29-23 PTD 5942. FIRST REPORT LOCATION 1846 FSL AND 1829 FSL SEC 29 T41S, R24E. 5 1/2 IN. CSG 6032 A SHUT DOWN OIL WELL IN GREATER ANETH FIELD DST PER PRES. PRESS 5875 TO 5914 AFF P-9555 TO CONVERT FROM ZONE I PRODUCTION TO ZONE I INJECTION BY 5083 SUR AREA CODE 826. DOWN HOLE AND PWS 5/6/74. PULLED RODS, LOAD ANGIULUS W/WATER. TO 5000 FT., PRESS TEST TRG TO 4000 PSI, LOST 200 PSI IN 5 MIN. FIND STANDING VALVE AND GOOD LAYING DOWN RODS. PREP TO MILL TRG..

8

RATHERFORD UNIT NO. 29-23 PTD 5942. GET P TRG AND PKP. FINISHED LAYING DOWN RODS, PULLED TRG. START IN HOLE W TRG AND LOCK SET PKP..

9

RATHERFORD UNIT NO. 29-23 PTD 5942. FINISHED FINISHING TRG AND PKP. SET BAKER LOK-SET PKP AT 5848. PD AND PD P AND P WS 5/8/74. DROP FROM REPORT TEMP UNTIL WELL IS ACIDIZED..

Nov. 12

RATHERFORD UNIT NO. 29W23 /FORMERLY 29-23/ DROPPED TEMP. FROM REPORT 5/9/74. INITIAL INJ. RATE 1080 REL/DAY. CONT'D FROM OIL WELL TO WTR. INJ. AND NUMBER CHANGE FROM 29-23 TO 29W23, EFFECTIVELY 11/11/74..

13

RATHERFORD UNIT NO. 29W23 PTD 5942. INJ. RATE, 401 BWPD AT 2000 LB..

14

RATHERFORD UNIT NO. 29W23 PTD 5942. NO REPORT..

15

RATHERFORD UNIT NO. 29W23 PTD 5942. INJ. RATE 514 BPD AT 2875 LB. PRESS..

- 1 - Bville E&P
- 1 - Denver E&P
- 1 - R. N. Hughes
- 1 - G. R. Hudson
- 1 - File

8-25-75

Date Prepared

*J. M. [Signature]*

District Approval

DAILY REPORT DETAILED

LEASE Ratherford Unit

WELL NO. 29W23

SHEET NO. 2

DATE TOTAL  
DEPTH  
NATURE OF WORK PERFORMED

Nov. 1974

16-18

RATHERFORD UNIT NO. 29W23 PTD 5942. NO REPORT..

19

RATHERFORD UNIT NO. 29W23 PTD 5942. NO REPORT..

20

RATHERFORD UNIT NO. 29W23 PTD 5942. INJ. PATE 294 BHPD AT 2650 LB. PRESS..

21

RATHERFORD UNIT NO. 29W23 PTD 5942. INJ/D 220 BHPD AT 2450 LB. PRESS..

22

RATHERFORD UNIT NO. 29W23 PTD 5942. SI, TBG. AND CSG ARE COMMUNICATING..

23-25

RATHERFORD UNIT NO. 29W23 PTD 5942. SI TBG AND CSG ARE COMMUNICATING..

26

RATHERFORD UNIT NO. 29W23 PTD 5942. MI R AND R WS 11/25/74. PREP TO RUN FREE POINT INDICATOR. ATTEMPTED TO UNSEAT BAKER LOK-SET PKR. UNABLE TO UNSEAT PKR..

27

RATHERFORD UNIT NO. 29W23 PTD 5942. PREP TO COOH W/TBG. PU MCCULLOUGH. RAN FREE-POINT INDICATOR. TBG STUCK AT 5508 FT. WIH W/STRING SHOT, RACKED OFF TBG. AT 5500 FT. PD MCCULLOUGH..

1974

Nov

28-30

Dec.

1-2

RATHERFORD UNIT NO. 29W23 PTD 5942. 11/28/74 COOH W/TBG, WIH W/BAKER LOK-SET PKR., SET AT 5469 FT. PRESS TST CASING TO 1000 LB. - OK. PEL. R AND R WS 11/27/74. 11/29/74 SD FOR HOLIDAY. 11/30/74 HOOKUP INJ. WELL HEAD, INJ/G WTR., NO GAUGE. 12/1/74, 12/2/74 INJ/G WTR. NO GAUGE..

3

RATHERFORD UNIT NO. 29W23 PTD 5942. INJ/D 73 BHPD AT 2500 LB. PRESS. FINAL REPORT..

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 29W23 WELL  
SEC. 29 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>29W23</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>29W23</u> Sec. <u>29</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 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 San Juan River</u>	Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5567') San Juan River (Surface)</u>		
Geologic Name of Injection Zone <u>Desert Creek I</u>	Depth of Injection Interval <u>5875</u> to <u>5914</u>		
a. Top of the Perforated Interval: <u>5875</u>	b. Base of Fresh Water: <u>1550'</u>	c. Intervening Thickness (a minus b) <u>4825</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES NO <u>See Attachment #4</u>			
Lithology of Intervening Zones <u>See Attachment #1</u>			
Injection Rates and Pressures Maximum <u>20 (12-82)</u> B/D <u>2375</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			
<u>Navajo Tribe, Minerals Dept., P.O. Box 146, Window Rock, AZ 86515</u>			
<u>Superior Oil, P.O. Box 4530, The Woodlands, TX 77380</u>			
<u>Texaco Inc., P.O. Box 2100, Denver, CO 80201</u>			
<u>Southland Royalty, 1000 Fort Worth Club Tower, Fort Worth, TX 76102</u>			

State of Wyoming  
County of Natrona

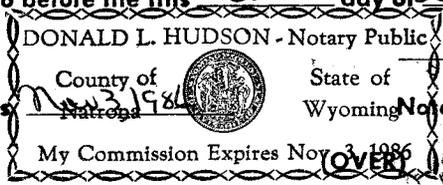
PHILLIPS PETROLEUM COMPANY  
Applicant

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 21<sup>st</sup> day of Sept, 19 83

SEAL

My commission expires



Donald L. Hudson

Notary Public in and for

Natrona Co., Wyoming

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing 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	8-5/8	295	300	Surface	Circulation
Intermediate none					
Production	5-1/2	6032	275+	5199	CALCULATED
Tubing	2-1/2	5496	Baker Loc Name - Type - Depth of Tubing Packer Sec. PKF @ 5496		
PB Total Depth 5942	Geologic Name - Inj. Zone Desert Creek I	Depth - Top of Inj. Interval 5875	Depth - Base of Inj. Interval 5914		

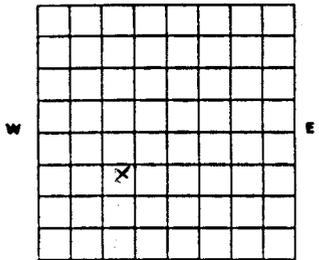
(To be filed within 30 days after drilling is completed) 14-20-603-407

COMPLETION & TEST DATA BY PRODUCING FORMATION

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

API NO. 43-037-16432 LEASE NO. \_\_\_\_\_  
640 Acres  
N

COUNTY San Juan SEC. 29 TWP. 41S RGE. 24E  
COMPANY OPERATING Phillips Petroleum Company  
OFFICE ADDRESS P.O. Box 2920  
TOWN Casper STATE WY ZIP 82602  
FARM NAME \_\_\_\_\_ WELL NO. 29W21  
DRILLING STARTED 4-21 19 59 DRILLING FINISHED 5-19 19 59  
DATE OF FIRST PRODUCTION 5-20-59 COMPLETED 5-20-59  
WELL LOCATED NE 1/4 SW 1/4 \_\_\_\_\_  
1846 FT. FROM SL OF 1/4 SEC. & 1832 FT. FROM WL OF 1/4 SEC.  
RKB ELEVATION BERRICK FLOOR 5083 GROUND 5073



Locate Well Correctly  
and Outline Lease

TYPE COMPLETION  
Single Zone \_\_\_\_\_ X  
Multiple Zone \_\_\_\_\_  
Comingled \_\_\_\_\_

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Desert Creek I	5875	5914			
Desert Creek II	5962	5982	(squeezed)		
Desert Creek III	5988	5996	(squeezed)		

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
8-5/8	24	J-55	285	no test	300		surface
5-1/2	14	J-55	5646	} no test	275+	832	5199
5-1/2	15.5	J-55	422				

PBTD 5942 TOTAL DEPTH 6032  
PACKERS SET  
DEPTH Baker Loc-Set Pkr @ 5496

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

FORMATION	1	2	3
Desert Creek I			
SPACING & SPACING ORDER NO.	40 acre Cause #C-3(B)		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	5875-5914		
INTERVALS			
ACIDIZED?	no		
FRACTURE TREATED?	No		

INITIAL TEST DATA

Converted to Injector 11-11-74

Date	11-13-74		
Oil, bbl./day	--		
Oil Gravity	--		
Gas, Cu. Ft./day	--	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	--		
Water-Bbl./day	401		
Pumping or Flowing	flowing		
CHOKE SIZE	---		
FLOW TUBING PRESSURE	2000		

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 \_\_\_\_\_ 1983

Casper

WELL: 29W23  
LOCATION: NESW Sec. 29 - T41S-R24E  
FIELD: GREATER ANENAH  
RESERVOIR: Desert Creek I

COMPLETION: 11.11.74  
PRESENT STATUS: W.I.

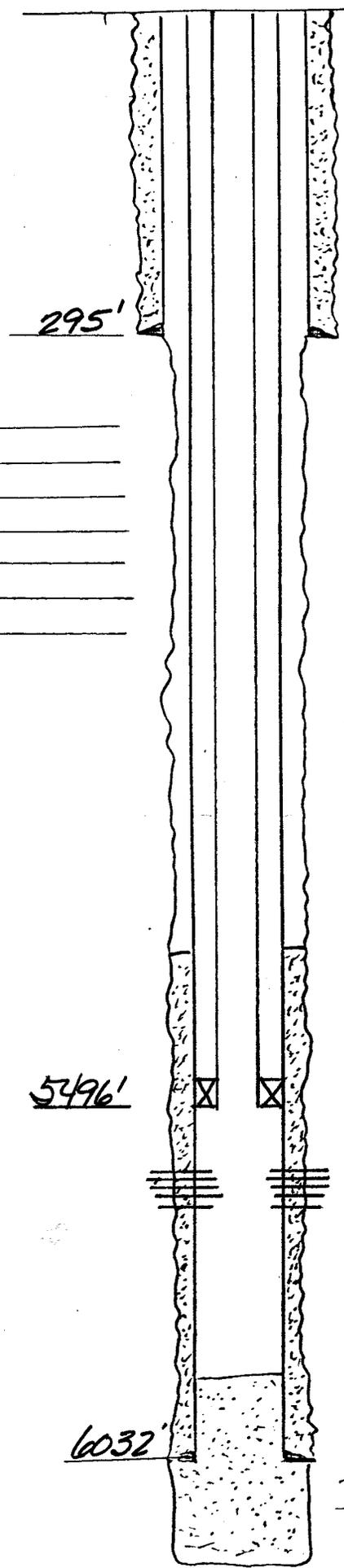
RKB 5083'  
GL 5073'

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

PRODUCTION CASING: 5 1/2" : 14#  
J-55 5646, 15.5# J-55 422'

PERFORATIONS:  
5875-5914'  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PACKER: Baker loc-set  
Plr at 5496'  
Tubing: 2 1/2" @ 5496'

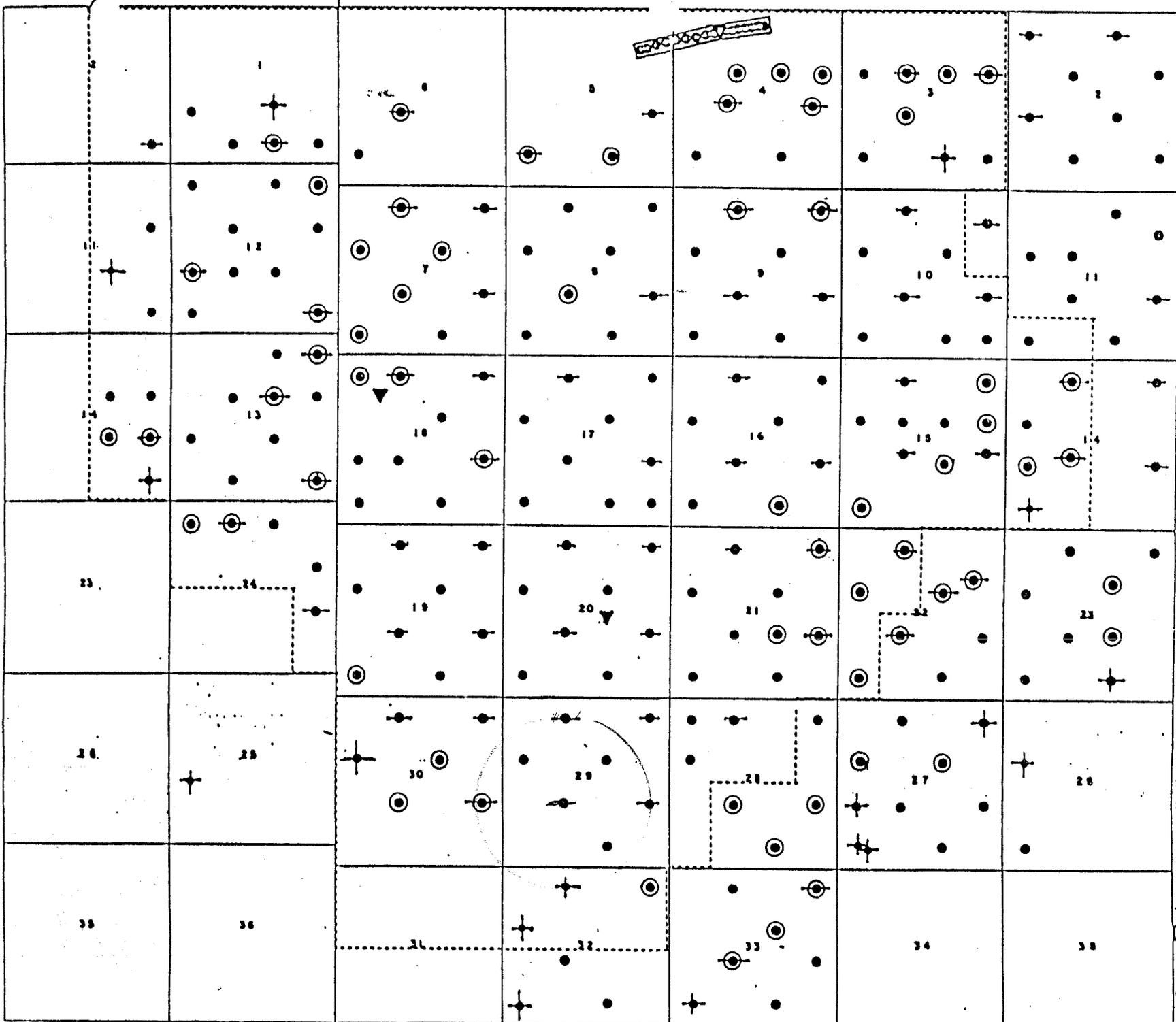


PBTD: 5942'  
OTD: 6032'

Phillips Petroleum Company

R-23-E

R-24-E



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

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

WTE INJECTION Well

CL1-12A (REV. 1964)

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

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

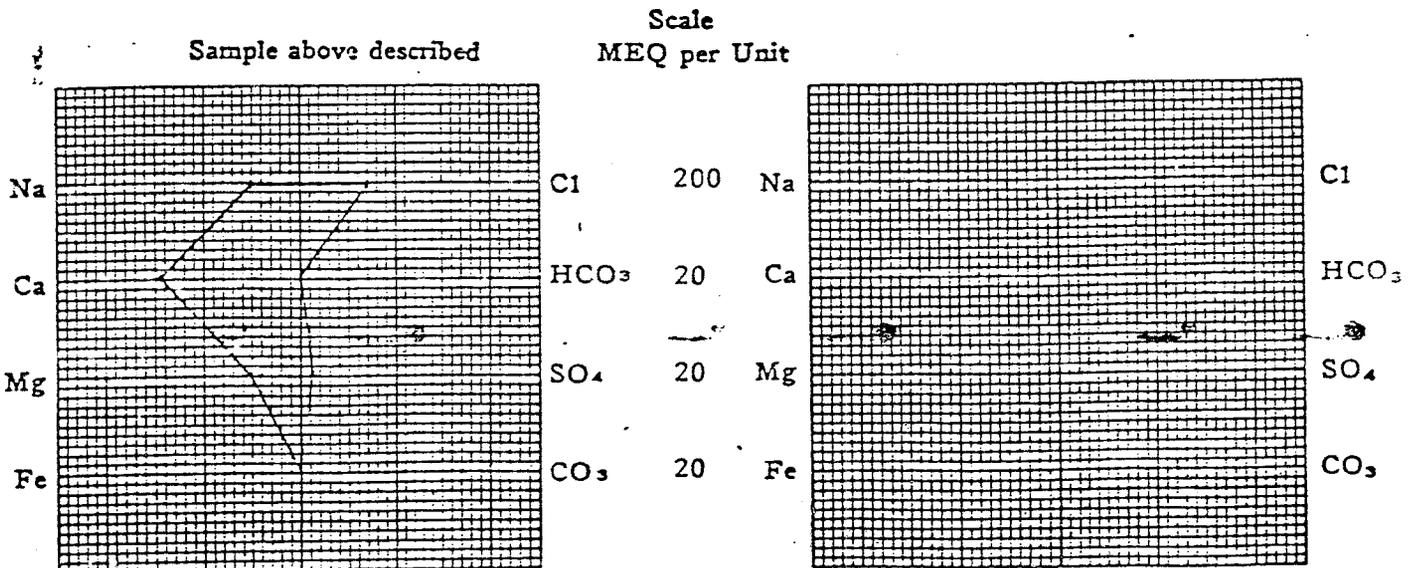
REMARKS & CONCLUSIONS: Specific gravity @68°F ----- 1.0646  
 Oil and grease, mg/l ----- 2.5  
 Aluminum (Al), mg/l ----- 0.90  
 Iron (Fe), mg/l ----- 0.3  
 Total Sulfides, mg/l ----- ND(0.1)

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

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

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

### WATER ANALYSIS PATTERN



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

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

## WATER ANALYSIS REPORT

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

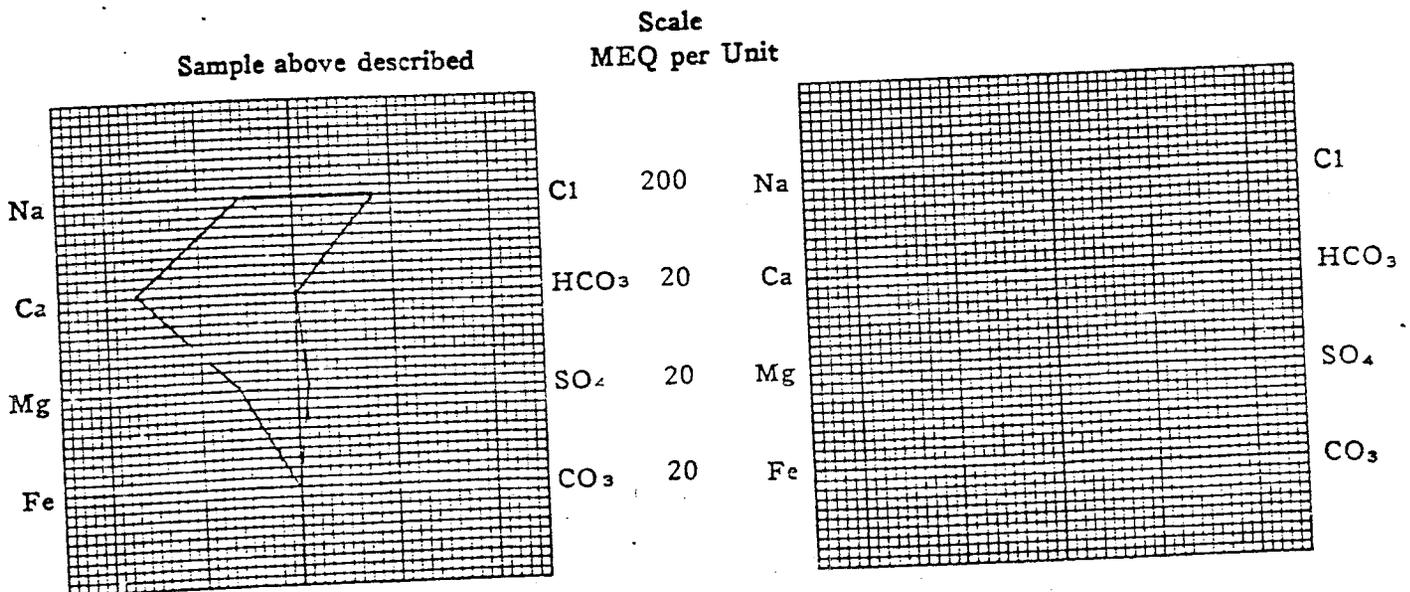
REMARKS & CONCLUSIONS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

Total dissolved solids, mg/l	103633	Specific resistance @ 68°F.:	
NaCl equivalent, mg/l	104549	Observed	0.087 ohm-meters
Observed pH	7.3	Calculated	0.078 ohm-meters

### WATER ANALYSIS PATTERN



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

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips Well No. Rutherford Unit 29W23  
 County: Sanderson T 41S R 24E Sec. 29 API# 43-037-15338  
 New Well  Conversion  Disposal Well  Enhanced Recovery Well

	YES	NO
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fracture Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure and Rate Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adequate Geologic Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Fluid Source Desert Creek

Analysis of Injection Fluid	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	TDS <u>85055</u>
Analysis of Water in Formation to be injected into	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	TDS <u>103633</u>
Known USDW in area	<u>Wingate</u>	Depth <u>1550</u>	
Number of wells in area of review	<u>70</u>	Prd. <u>31</u>	P&A <u>1</u>
		Water <u>0</u>	Inj. <u>3</u>
Aquifer Exemption	Yes <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Mechanical Integrity Test	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Date		Type	

Comments: To L 5199

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Reviewed by: [Signature]

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

OPERATOR: Phillips Petroleum Company

FIELD: Greater Aneth LEASE: Rutherford Unit

WELL # 29W23 SEC. 29 TOWNSHIP 41S RANGE 24E

STATE (FED.) FEE DEPTH 5942 TYPE WELL INJW MAX. INJ. PRESS. 2375

TEST DATE 6/17/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>8 5/8</u>	<u>295</u>	<u>300</u>		<u>SI</u>	
<u>INTERMEDIATE</u>	<u>NONE</u>	<u>—</u>	<u>—</u>			
<u>PRODUCTION</u>	<u>5 1/2</u>	<u>6032</u>	<u>275+</u>			

TUBING 2 1/2 5496  
Baker Loc-set at 5496'

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

TUBING

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

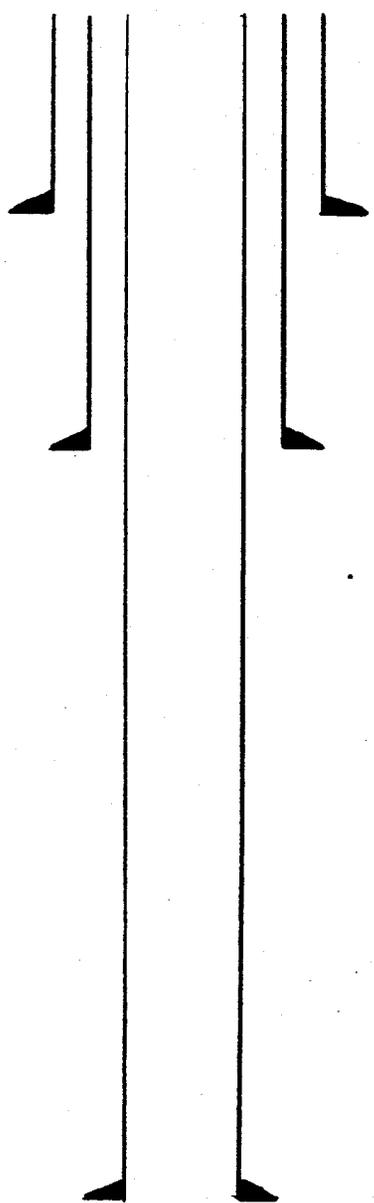
TUBING

# DOWN HOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 29W23  
 RKB Elev. 5083'  
 GL Elev. 5072'  
 RKB Above GL' 11'

Location NE SW Sec. 29  
T41S-R24E  
 Well Drld 5/9/59  
 Well converted to injector 11/11/74



CONDUCTOR CSG @ 1'

SURFACE CSG. 8 5/8 @ 295'

TOC 4159' CALC.

Tubing 2 3/8 @ 5,362' Rice Duoline

PACKER BAKER LOCK-SET PKR.  
@ 5362

PERFS 5875 - 5914  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PBTD 5942'

PRODUCTION CSG. 5 1/2 @ 6032'  
J-55, 14#, 15.5#

All Perfs Zone I unless noted

42.381 50 SHEETS 3 SQUARE  
 42.382 100 SHEETS 3 SQUARE  
 42.383 200 SHEETS 3 SQUARE  
 NATIONAL

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

SUBMIT IN TRIPlicate  
(Other instructions  
verse side)

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER    Water Injection Well		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-407
2. NAME OF OPERATOR Phillips Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 2920 Casper, WY 82602		7. UNIT AGREEMENT NAME SW-I-4192
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1846' FSL & 1832' FWL, NE SW		8. FARM OR LEASE NAME Ratherford Unit
14. PERMIT NO. 43-037-15338	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5087' RKB	9. WELL NO. 29W23
		10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29-T41S-R24E
		12. COUNTY OR PARISH    13. STATE San Juan                      Utah

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

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

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

Fish stuck tubing and packer, acidize perforations (5875'-5914') with 6500 gallons 28% HCL, and return Ratherford Unit #29W23 to Zone I water injection.

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

SIGNED A. E. Stuart TITLE Area Manager DATE September 11, 1984

(This space for Federal or State office use)

APPROVED BY Alvin J. Adams TITLE VIC Manager DATE 10/4/84

CONDITIONS OF APPROVAL, IF ANY:

5- BLM Farmington, NM                      1-P.J. Adamson  
2- Utah O&GCC; Salt Lake City, UT        1-B. Conner, 9P TWR, B'Ville  
1-J.R. Weichbrodt                              \*See Instructions on Reverse Side 1- File  
1-C.M. Anderson

**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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

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

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

41-24-29      037-15338

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



# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

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

**RECEIVED**

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MINING

AMENDED REPORT  (Highlight Changes)

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

*USMA*  
*8-18-93*

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

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

✓19W-21	43-037-15741	14-20-603-353	SEC. 19, T41S, R24E	NE/NW 660' FNL 1860' FWL
✓19-22	43-037-31046	14-20-603-353	SEC. 19, T41S, R24E	SE/NW 1840' FNL; 1980' FWL
✓19W-23	43-037-15742	14-20-603-353	SEC. 19, T41S, R24E	NE/SW 2080' FSL; 1860' FWL
✓19-31	43-037-31047	14-20-603-353	SEC. 19, T41S, R24E	NW/NE 510' FNL; 1980' FEL
✓19-32	43-037-15743	14-20-603-353	SEC. 19, T41S, R24E	SW/NE 1980' FNL; 1980' FEL
✓19-33	43-037-31048	14-20-603-353	SEC. 19, T41S, R24E	NW/SE 1980' FSL; 1980' FEL
✓19-34	43-037-15744	14-20-603-353	SEC. 19, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓19W-41	43-037-15745	14-20-603-353	SEC. 19, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓19-42	43-037-30916	14-20-603-353	SEC. 19, T41S, R24E	SE/NE 1880' FNL, 660' FEL
✓19W-43	43-037-16420	14-20-603-353	SEC. 19, T41S, R24E	NE/SE 1980' FSL; 760' FEL
✓19-44	43-037-31081	14-20-603-353	SEC. 19, T41S, R24E	SE/SE 660' FSL; 660' FEL
✓19-97	43-037-31596	14-20-603-353	SEC. 19, T41S, R24E	2562' FNL, 30' FEL
✓20-11	43-037-31049	14-20-603-353	SEC. 20, T41S, R24E	NW/NW 500' FNL; 660' FWL
✓20-12	43-037-15746	14-20-603-353	SEC. 20, T41S, R24E	1980' FNL, 660' FWL
✓20-13	43-037-30917	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2140' FSL, 500' FWL
✓20-14	43-037-15747	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 660' FWL
✓20W-21	43-037-16423	14-20-603-353	SEC. 20, T41S, R24E	660' FNL; 1880' FWL
✓20-22	43-037-30930	14-20-603-353	SEC. 20, T41S, R24E	SE/NW 2020' FNL; 2090' FWL
✓20W-23	43-037-15748	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 2080; 2120' FWL
✓20-24	43-037-30918	14-20-603-353	SEC. 20, T41S, R24E	SE/SW 820' FSL; 1820' FWL
✓20-31	43-037-31050	14-20-603-353	SEC. 20, T41S, R24E	NW/NE 660' FNL; 1880' FEL
✓20-32	43-037-15749	14-20-603-353	SEC. 20, T41S, R24E	SW/NE 1980' FNL, 1980' FEL
✓20-33	43-037-30931	14-20-603-353	SEC. 20, T41S, R24E	NW/SE 1910' FSL; 2140' FEL
✓20-34	43-037-15750	14-20-603-353	SEC. 20, T41S, R24E	660' FSL; 1850' FEL
✓20W-41	43-037-15751	14-20-603-353	SEC. 20, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓20-42	43-037-31051	14-20-603-353	SEC. 20, T41S, R24E	SE/NE 1980' FNL; 660' FEL
✓20W-43	43-037-16424	14-20-603-353	SEC. 20, T41S, R24E	2070' FSL; 810' FEL
✓20-44	43-037-30915	14-20-603-353	SEC. 20, T41S, R24E	SE/SE 620' FSL; 760' FEL
✓20-66	43-037-31592	14-20-603-353	SEC. 20, T41S, R24E	SW/NW 1221' FWL; 1369' FNL
✓21-11	43-037-31052	14-20-603-355	SEC. 21, T41S, R24E	NW/NW 660' FNL; 660' FWL
✓21-12	43-037-15752	14-20-603-355	SEC. 21, T41S, R24E	2080' FNL; 660' FWL
✓21-13	43-037-30921	14-20-603-355	SEC. 21, T41S, R24E	NW/SW 2030' FSL; 515' FWL
✓21-14	43-037-15753	14-20-603-355	SEC. 21, T41S, R24E	SW/SW 660' FSL; 460' FWL
✓21W-21	43-037-16425	14-20-603-355	SEC. 21, T41S, R24E	NE/NW 660' FNL; 2030' FWL
✓21-32	43-037-15755	14-20-603-355	SEC. 21, T41S, R24E	SW/NE 1880' FNL; 1980' FEL
✓21-33	NA	14-20-603-355	SEC. 21, T41S, R24E	2000' FSL; 1860' FEL
✓21-34	43-037-15756	14-20-603-355	SEC. 21, T41S, R24E	SW/SE 660' FSL; 1980' FEL
✓21W-41	43-037-16426	14-20-603-355	SEC. 21, T41S, R24E	660' FNL; 810' FEL
✓21W-43	43-037-16427	14-20-603-355	SEC. 21, T41S, R24E	NE/NE 1980' FSL; 660' FEL
✓24-11	43-037-15861	14-20-603-247A	SEC. 24, T41S, R24E	510' FNL; 810' FWL
✓24W-21	43-037-16429	14-20-603-247	SEC. 24, T41S, R24E	4695' FSL; 3300' FEL
✓24W-43	43-037-16430	14-20-603-247	SEC. 24, T41S, R24E	2080' FSL; 660' FEL
✓24-31W	43-037-15862	14-20-603-247A	SEC. 24, T41S, R24E	NW/NE 560' FNL; 1830' FEL
✓24-32	43-037-31593	14-20-603-247A	SEC. 24, T41S, R24E	SW/NE 2121' FNL; 1846' FEL
✓24-41	43-037-31132	14-20-603-247A	SEC. 24, T41S, R24E	NE/NE 660' FNL; 710' FEL
✓24W-42	43-037-15863	14-20-603-247A	SEC. 24, T41S, R24E	660' FSL; 1980' FNL
✓28-11	43-037-30446	14-20-603-409	SEC. 28, T41S, R24E	NW/NW 520' FNL; 620' FWL
✓28-12	43-037-15336	14-20-603-409B	SEC. 28, T41S, R24E	SW/SE/NW 2121' FNL; 623' FWL
✓29-11	43-037-31053	14-20-603-407	SEC. 29, T41S, R24E	NW/NW 770' FNL; 585' FWL
✓29W-21	43-037-16432	14-20-603-407	SEC. 29, T41S, R24E	NE/NW 667' FNL; 2122' FWL
✓29-22	43-037-31082	14-20-603-407	SEC. 29, T41S, R24E	SE/NW 2130' FNL; 1370' FWL
✓29W-23	43-037-15338	14-20-603-407	SEC. 29, T41S, R24E	NE/SW 1846' FSL; 1832' FWL
✓29-31	43-037-30914	14-20-603-407	SEC. 29, T41S, R24E	NW/NE 700' FNL; 2140' FEL
✓29-32	43-037-15339	14-20-603-407	SEC. 29, T41S, R24E	1951' FNL; 1755' FEL
✓29-33	43-037-30932	14-20-603-407	SEC. 29, T41S, R24E	NW/SE 1860' FSL; 1820' FEL
✓29-34	43-037-15340	14-20-603-407	SEC. 29, T41S, R24E	817' FSL; 2096' FEL
✓29W-41	43-037-16433	14-20-603-407	SEC. 29, T41S, R24E	557' FNL; 591' FEL
✓29W-42	43-037-30937	14-20-603-407	SEC. 29, T41S, R24E	SE/NE 1850' FNL; 660' FEL
✓29W-43	43-037-16434	14-20-603-407	SEC. 29, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓30-21W	43-037-16435	14-20-603-407	SEC. 30, T41S, R24E	660' FNL; 1920' FWL
✓30-32	43-037-15342	14-20-603-407	SEC. 30, T41S, R24E	SW/NE 1975' FNL; 2010' FEL
✓30W-41	43-037-15343	14-20-603-407	SEC. 30, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓9-34	NA 4302715711	NA 14206034043	NA sec. 9, T. 41S, R. 24E	NA SWSE 660' FSL 1980' FEL
✓12-43	43-307-31202	14-20-603-246	SEC. 12, T41S, R23E	2100' FSL; 660' FEL
✓12W31	43-037-15847	14-20-603-246	SEC. 12, T41S, R23E	661' FNL; 1981' FEL
✓13W24	43-037-15853	14-20-603-247	SEC. 13, T41S, R23E	SE/SW 660' FSL; 3300' FEL
✓15W23	43-037-16412	14-20-603-355	SEC. 15, T41S, R24E	2140' FSL; 1820' FWL
✓17-24	43-037-31044	14-20-603-353	SEC. 17, T41S, R24E	SE/SW 720' FSL; 1980' FWL
✓18-13	43-037-15734	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 1980' FSL; 500' FWL
✓18W32	43-037-15736	14-20-603-353	SEC. 18, T41S, R24E	SW/NE 2140' FNL; 1830' FEL
✓20-68	43-037-31591	14-20-603-353	SEC. 20, T41S, R24E	NW/SW 1276' FWL; 1615' FSL
✓21-23	43-037-13754	14-20-603-355	SEC. 21, T41S, R24E	NE/SW 1740' FSL 1740' FWL
✓28W21	43-037-16431	14-20-603-409	SEC. 29, T41S, R24E	660' FNL; 2022' FWL

PAID

PAID

PAID

PAID

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN ALLOTTEE OR TRIBE NAME

NAVAJO TRIBAL

7. UNIT AGREEMENT NAME

RATHERFORD UNIT

8. FARM OR LEASE NAME

9. WELL NO.

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 13 1993

DIVISION OF  
OIL, GAS & MINING

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

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

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

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) CHANGE OF OPERATOR

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

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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 J. Todd*

TITLE

ENV. & REG TECHNICIAN

DATE

9-8-93

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

# MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*L. B. SHEFFIELD*  
 BRIAN BERRY  
~~M. E. P. N. A. MOBIL~~  
 POB 249031 1807A RENTWYR *P.O. DRAWER 6*  
 DALLAS TX 75221-9031 *CORTEZ, Co. 81321*

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT  (Highlight Changes)

*\*931006 updated. jic*

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

**RECEIVED**

SEP 13 1993

DIVISION OF OIL, GAS & MINING

COMMENTS: *PLEASE NOTE ADDRESS change. MOBIL 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: L. B. Sheffield

Telephone Number: 303 865 2212  
244 658 2528

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

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

Here is copy of Rutherford Unit  
Successor Operator.

4 pages including this one.

*File Ratherford Unit (GC)*

RECEIVED  
BLM

JUL 27 AM 11:44

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

070 FARMINGTON, NM

ARES/543

JUL 26 1993

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

MINERAL	
NO. 1	
DATE	
BY	
CLASS.	
STATUS	
FILE	

Dear Mr. Cox:

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

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

Sincerely,

ACTING Area Director

Enclosure

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

RECEIVED  
BLM

DESIGNATION OF OPERATOR

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

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

NO. 27, 6:11:44  
070 FARMINGTON, NM

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

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

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

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

Attached hereto as Exhibit "A"

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

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

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

Attached is the appropriate documentation relevant to this document.

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

Phillips Petroleum Company

June 17, 1993

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

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

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

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

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

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

EXHIBIT "A"

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

EXHIBIT "C"

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

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

100% Indian Lands

TOTAL 12,909.74

100.0000000

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

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

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

Other  
OPERATOR CHANGE

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

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

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

of (Company/Organization) MOBIL

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

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

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

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303)565-2212

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

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF  
OIL, GAS & MINING

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

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

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

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

Lisha Cordova (801) 538-5340

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

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

ORDER

This Cause came on for hearing before the Oil and Gas Conservation Commission of the State of Utah at 10 o'clock a. m. on Wednesday, September 13, 1961, in the Crystal Room, Hotel Newhouse, Fourth South at Main Street, Salt Lake City, Utah, pursuant to notice duly and regularly given. The entire Commission, except Walter G. Mann, was present, Edward W. Clyde presiding. Appearances were made as follows: Cecil C. Hamilton, attorney, on behalf of Phillips Petroleum Company; Clair 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, SLPM

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

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SLPM

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

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

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

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

#### FINDINGS OF FACT

The Commission finds that:

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

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

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

#### ORDER

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

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

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

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

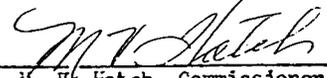
and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

Dated this 13th day of September, 1961.

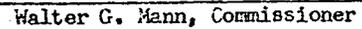
THE OIL AND GAS CONSERVATION  
COMMISSION OF THE STATE OF UTAH

  
Edward W. Clyde, Commissioner, presiding

  
C. R. Henderson, Chairman

  
M. V. Hatch, Commissioner

  
C. S. Thomson, Commissioner

  
Walter G. Mann, Commissioner

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

Routing:	
1-VLC/17-93	<input checked="" type="checkbox"/>
2-DEPT 58-FILE	<input checked="" type="checkbox"/>
3-VLC	<input checked="" type="checkbox"/>
4-RJFY	<input checked="" type="checkbox"/>
5-DEPT	<input checked="" type="checkbox"/>
6-PL	<input checked="" type="checkbox"/>

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

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

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

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

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

Name: <b>**SEE ATTACHED**</b>	API: <u>43037-15338</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

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

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

FILMING

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

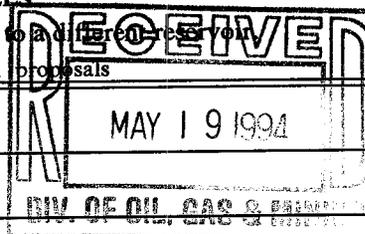
FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

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



5. Lease Designation and Serial No.  
14-20-603-407

6. If Indian, Allottee or Tribe Name  
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
RATHERFORD UNIT

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)  
1846' FSL, 1832' FWL; SEC. 29, T41S, R24E

8. Well Name and No.  
RATHERFORD UNIT 29W-23

9. API Well No.  
43-037-15338

10. Field and Pool, or exploratory Area  
GREATER ANETH

11. County or Parish, State  
SAN JUAN, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other <b>EXTEND SHUT-IN 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 ON SHUT-IN STATUS FOR THIS WELL. THIS WELL WILL BE USED FOR EOR AS SOON AS FUNDING CAN BE OBTAINED FOR A WORKOVER.

**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 Jodel Title ENV. & REG. TECHNICIAN Date 05/16/94

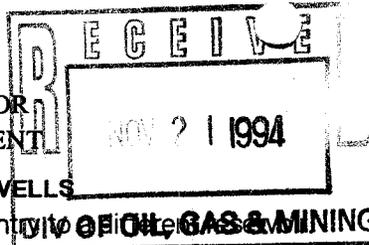
(This space for Federal or State office use)

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

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 well. Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.

14-20-603

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

29W-23

9. API Well No.

43-037-15338

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)  
1846' FSL, 1832' FWL; SEC. 29, T41S, R24E

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

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

SEE ATTACHMENT

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

Signed Shirley Jedd 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

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 <i>Nadav EPA</i> <del>THE CADMUS GROUP, INC.</del> CORPORATE OFFICE 135 Beaver Street Waltham, MA 02154 <del>(617) 332-9830</del>	Firm To Be Inspected <i>Mobil E&amp;P Co.</i> <i>Rutherford Unit</i> <i>Well No. 29W-23</i>
---	---	--

Date <i>10-19-94</i>	Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300 f et seg.).
Hour <i>2:25 pm</i>	

Reason For Inspection

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

*Mechanical Integrity Test!*

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>Jw/mcc 10/19/94</i>	Date <i>10/19/94</i>	Inspector <i>James D. Walker</i>
---	-------------------------	-------------------------------------

# ANNULAR PRESSURE TEST

OPERATOR Mobil E.P. CO. STATE PERMIT NO. WA  
 ADDRESS Aneth, Utah EPA PERMIT NO. \_\_\_\_\_  
 WELL NAME Rutherford Unit # 29W-23 well No. DATE OF TEST 10-19-94  
 TYPE Class II R Temporary  
 LOCATION \_\_\_\_\_ QUARTER OF THE NE QUARTER OF THE SW QUARTER \*Inactive  
Abandon, IR  
 SECTION 29 TOWNSHIP T41S RANGE R24E  
 TOWNSHIP NAME NA COUNTY NAME San Juan  
 COMPANY REPRESENTATIVE Thompson Tsosie FIELD INSPECTOR Jim Walker & C. Tso  
 TYPE PRESSURE GAUGE \_\_\_\_\_ INCH FACE, \_\_\_\_\_ PSI FULL SCALE, \_\_\_\_\_ PSI INCREMENTS  
 NEW GAUGE YES  NO  IF NO, DATE OF TEST CALIBRATION 2-12-92  
 CALIBRATION CERTIFICATION SUBMITTED: YES  NO

RESULTS:

Continuous pressure recorder used

TIME	PRESSURE (PSIG)		CASING
	ANNULUS	TUBING	
2:55 pm	770	1040	None
3:00	720		
3:05	700	Wellhead leak	

Retest

3:12 pm	1060	1040	None
3:17	1050	1040	
3:22	1050	1040	
3:27	1050	1040	
3:32	1045	1040	
3:37	1045	1040	
3:42	1045	1040	

FLUID RETURN @ \_\_\_\_\_

COMMENTS: Inactive  
Wellhead leak - No  
tubing and packer  
Bridge plug at 5404'  
TA well  
1st. tubing in well head.

TEST PRESSURE: 770 1060  
 MAX. ALLOWABLE PRESSURE CHANGE: TEST PRESSURE X 0.05 3953 PSI  
 HALF HOUR PRESSURE CHANGE \_\_\_\_\_ PSI

Retest OK  
 TEST PASSED  TEST FAILED  (CHECK ONE)  
 IF FAILED, NO INJECTION MAY OCCUR UNTIL CORRECTIONS HAVE BEEN MADE AND WELL PASSES.

Jim Walker  
 SIGNATURE OF COMPANY REPRESENTATIVE  
James Walker  
 SIGNATURE OF INSPECTOR

10/19/94  
 DATE  
10/19/94  
 DATE



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.  
**14-20-603-407**

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

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

8. Well Name and No.  
**RATHERFORD 29 W 23**

9. API Well No.  
**43-037-15338**

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)  
**1846' FSL, 1832' FWL; SEC. 29, T41S, R24E**

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

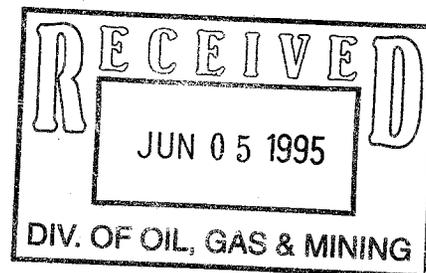
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other <b>EXTENSION FOR SHUT IN</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 SHUT-IN STATUS. THIS WELL WILL BE UTILIZED FOR HORIZONTAL WELL DEVELOPMENT.**

**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 5-31-95

(This space for Federal or State office use)

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

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

STATE OF UTAH  
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
✓ MEPNA (MOBIL	43-037-15722	16W23	41S	24E	16	INJW	Y
✓ MEPNA (MOBIL	43-037-16414	16W21	41S	24E	16	INJW	Y
✓ MEPNA (MOBIL	43-037-16416	17W21	41S	24E	17	INJW	Y
✓ MEPNA (MOBIL	43-037-15726	17W12	41S	24E	17	INJW	Y
✓ MEPNA (MOBIL	43-037-15731	17W41	41S	24E	17	INJW	Y
✓ MEPNA (MOBIL	43-037-16417	17W43	41S	24E	17	INJW	Y
✓ MEPNA (MOBIL	43-037-15728	17W23	41S	24E	17	INJW	Y
✓ MEPNA (MOBIL	43-037-15730	17W34	41S	24E	17	INJW	Y
✓ MEPNA (MOBIL	43-037-15729	17W32	41S	24E	17	INJW	Y
✓ MEPNA (MOBIL	43-037-15727	17W14	41S	24E	17	INJW	Y
✓ MEPNA (MOBIL	43-037-31153	18W12	41S	24E	18	INJW	Y
✓ MEPNA (MOBIL	43-037-15737	18W34	41S	24E	18	INJW	Y
✓ MEPNA (MOBIL	43-037-15736	18W32	41S	24E	18	INJW	Y
✓ MEPNA (MOBIL	43-037-30244	18W23	41S	24E	18	INJW	Y
✓ MEPNA (MOBIL	43-037-15735	18W14	41S	24E	18	INJW	Y
✓ MEPNA (MOBIL	43-037-16418	18W21	41S	24E	18	INJW	Y
✓ MEPNA (MOBIL	43-037-15738	18W41	41S	24E	18	INJW	Y
✓ MEPNA (MOBIL	43-037-15741	19W21	41S	24E	19	INJW	Y
✓ MEPNA (MOBIL	43-037-15742	19W23	41S	24E	19	INJW	Y
✓ MEPNA (MOBIL	43-037-15745	19W41	41S	24E	19	INJW	Y
✓ MEPNA (MOBIL	43-037-16420	19W43	41S	24E	19	INJW	Y
✓ MEPNA (MOBIL	43-037-15748	20W23	41S	24E	20	INJW	Y
✓ MEPNA (MOBIL	43-037-15751	20W41	41S	24E	20	INJW	Y
✓ MEPNA (MOBIL	43-037-16423	20W21	41S	24E	20	INJW	Y
✓ MEPNA (MOBIL	43-037-16424	20W43	41S	24E	20	INJW	Y
✓ MEPNA (MOBIL	43-037-16427	21W43	41S	24E	21	INJW	Y
✓ MEPNA (MOBIL	43-037-16425	21W21	41S	24E	21	INJW	Y
✓ MEPNA (MOBIL	43-037-16431	28W21	41S	24E	28	INJI	Y
✓ MEPNA (MOBIL	43-037-16433	29W41	41S	24E	29	INJW	Y
✓ MEPNA (MOBIL	43-037-16432	29W21	41S	24E	29	INJW	Y
✓ MEPNA (MOBIL	43-037-15338	29W23	41S	24E	29	INJI	Y
✓ MEPNA (MOBIL	43-037-16434	29W43	41S	24E	29	INJW	Y
✓ MEPNA (MOBIL	43-037-15343	30-41	41S	24E	30	INJW	Y
✓ MEPNA (MOBIL	43-037-16435	30W21	41S	24E	30	INJI	--

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

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

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

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

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

# Mobil Oil Corporation

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

May 14, 1986

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

RECEIVED  
MAY 16 1986

Attn: R. J. Firth  
Associate Director

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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

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

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

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

Very truly yours,



CNE/rd  
CNE8661

R. D. Baker  
Environmental Regulatory Manager

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

1- <del>VLC</del>	7- PL
2- LWP	8- SJ
3- <del>DE</del> 9- FILE	
4- VLC	
5- RJP	
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: <b>** SEE ATTACHED **</b>	API: <u>037-15338</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.
- L 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
- L 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)
- L 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**

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

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

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

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- ETS*  
*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 WIC F5/Not necessary!*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.

14-20-603-407

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 29-W-23

9. API Well No.

43-037-15338

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator MOBIL PRODUCING TX & NM INC.\*

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

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702

(915) 688-2585

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

SEC. 17, T41S, R24E

(NE/SE) 1980' FSL & 660' FEL

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

TYPE OF SUBMISSION

- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

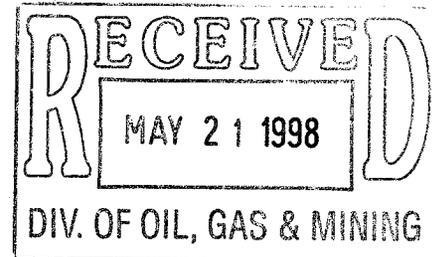
TYPE OF ACTION

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

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

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

SEE ATTACHED MIT AND CHART



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

Signed

*Shirley Houchins*

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 5-18-98

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

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

\* See Instruction on Reverse Side

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator Mobil E. & P., Inc. Date of Test 2-27-98  
Well Name RU # 29W-23 EPA Permit No. \_\_\_\_\_  
Location Sec. 29, T41S-R24E Tribal Lease No. 14-20-603-407  
State and County San Juan County, Utah

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

<u>TIME</u>	<u>ANNULUS PRESSURE, psi</u>	<u>TUBING PRESSURE, psi</u>
<u>2:00</u>	<u>1055</u>	<u>0</u>
<u>2:05</u>	<u>1055</u>	
<u>2:10</u>	<u>1050</u>	
<u>2:20</u>	<u>1045</u>	
<u>2:30</u>	<u>1045</u>	

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

TA STATUS WELL  
PASSED TEST

FRITZ JOHNSON [Signature] 2-27-98  
COMPANY REPRESENTATIVE: (Print and Sign) DATE  
Melvin Capitan Jr. [Signature] 2-27-98  
INSPECTOR: (Print and Sign) DATE

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF INSPECTION

Address (EPA Regional Office)

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

Inspection Contractor

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

Firm To Be Inspected

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

Date 2-27-98

Hour 9:30 am

Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300 f et seq.).

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# TW-21, WATER INJECTION WELL, M.I.T. - PASSED  
RU# 8W-14, WATER INJECTION WELL, M.I.T. - PASSED  
RU# 18W-34, WATER INJECTION WELL, M.I.T. - PASSED  
RU# 8W-43, WATER INJECTION WELL, M.I.T. - PASSED  
RU# 29W-23, WATER INJECTION WELL, M.I.T. - PASSED  
RU# 30W-21, WATER INJECTION WELL, M.I.T. - PASSED  
RU# 9W-23, WATER INJECTION WELL, M.I.T. - PASSED

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

Receipt of this Notice of Inspection is hereby acknowledged.

Firm Representative

Date

2-27-98

Inspector



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

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SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other INJECTION	5. Lease Designation and Serial No. <b>14-20-603-407</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 TRIBE</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>1846 FSL, 1832 FWL SEC. 29, T41S, R24E</b>	8. Well Name and No. <b>29 W 23</b>
	9. API Well No. <b>43-037-15338</b>
	10. Field and Pool, or exploratory Area <b>GREATER ANETH</b>
	11. County or Parish, State <b>SAN JUAN    UT</b>

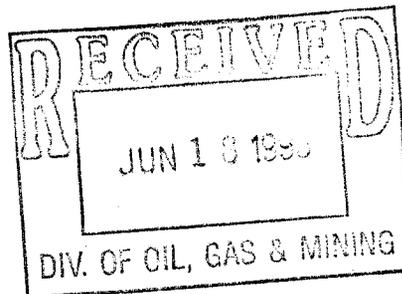
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TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
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14. I hereby certify that the foregoing is true and correct  
Signed Shuley Robertson Title ENV. & REG. TECHNICIAN Date 6-10-96

(This space for Federal or State office use)

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

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

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
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TYPE OF SUBMISSION

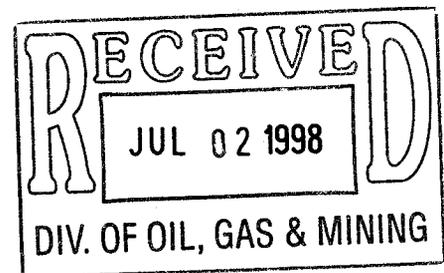
- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other P&A
- Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
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SEE ATTACHED PROCEDURE TO PLUG & ABANDON WELLBORE.



COPY SENT TO OPERATOR  
Date: 7.7.98  
Initials: VOR

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

Signed Shirley Houchins

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 6-29-98

(This space for Federal or State office use)

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

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

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.

**FOR RECORD ONLY** \* See Instruction on Reverse Side

**Ratherford Unit #29-23**  
Plug & Abandonment Procedure

The objective of this operation is to plug & abandon the ~~29-23~~ wellbore as per BLM requirements.

1. Notify BLM and Navajo EPA 48 hours prior to plugging.
2. MIRU PU. ND wellhead. NU BOP. Pressure test BOPs
3. RIH w/ ws. Tag CIBP @ 5404'. Circ hole clean.
4. Spot 6.8 cu ft (50') on top CIBP. Reverse out.
5. PUH and spot 45 cu ft (200') plug across Hermosa formation.
6. POOH ws. RU wireline. Perf casing from 1870' – 1874' w/ 4 jspf.
7. RD WL. RIH w/ cement retainer + ws to 1800'. Set retainer. Test backside to 200#. Est injection rate thru perms. Squeeze backside from 1874' to surface (w/ 100% excess). Pull out of retainer and reverse out.
8. RIH w/ ws and top fill casing to retainer @ 1800'.
9. If casing strings above ground, cut off and fill all strings w/ cement.
10. Weld on steel plate. Stamp on required P&A information.
11. ND BOP. NU WH. RDMO.

1846' FSL  
1832' FWL  
S-29  
T41S  
R24E  
San Juan Co., Utah

Ratherford Unit  
29-23  
Current Wellbore

YPO: 6/29/98  
KB: 5083'  
GL: 5072'

8 5/8" 24# J55 @ 295'  
w/ 300 sx to surface

Cmt Retainer @ 5942'

CIBP @ 5404'

Lockset Pkr @ 5848'  
w/ 2 3/8" tbg. Top of fish @ 5570'

Perfs: 5875' - 5914'

Sqzd 5962' - 82'

Sqzd 5988' - 96'

5 1/2" 15.5# & 14# J55 @ 6032' w/ 275 sx  
TOC @ 4159'

Formation Tops

Chinle	1770'
Dechelly	2910'
Organ Rock	3120'
Hermosa	4835'
U. Ismay	5695'
Gothic	5840'
Desert Creek	5856'
Chimney Rock	6009'

Vertical hole TD: 6032' PBTD: 6009'

1846' FSL  
 1832' FWL  
 S-29  
 T41S  
 R24E  
 San Juan Co., Utah

Ratherford Unit  
 29-23  
 Proposed Wellbore

YPO: 6/29/98  
 KB: 5083'  
 GL: 5072'

8 5/8" 24# J55 @ 295'  
 w/ 300 sx to surface

Fill casing from 1800' to surface

Cmt Retainer @ 1800'

Csg perforated from 1870' - 1874'.  
 Squeezed backside to surface w/  
 100% excess  
 Chinle @ 1770'

Plug from 4735' - 4935'  
 cover Hermosa @ 4835'

TOC @ 5350'

CIBP @ 5404'

Lockset Plr @ 5848'  
 w/ 2 3/8" tbg. Top of fish @ 5570'

Perfs: 5875' - 5914'

Cmt Retainer @ 5942'

Sqz'd 5962' - 82'

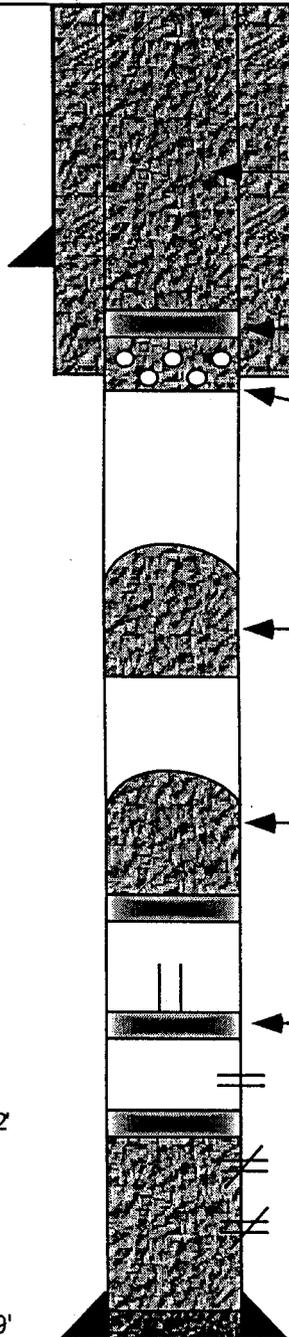
Sqz'd 5988' - 96'

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Vertical hole TD: 6032' PBTD: 6009'



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.

14-20-603-407

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 29-W-23

9. API Well No.

43-037-15338

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. 29, T41S, R24E  
1846' FSL & 1832' 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

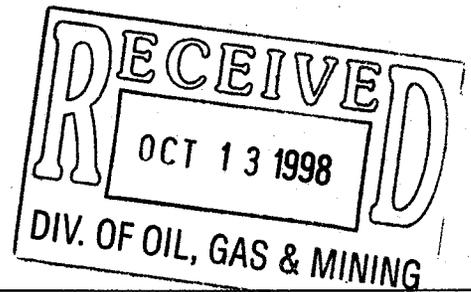
TYPE OF ACTION

- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other P&A  
 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 PLUGGED & ABANDONED WELLBORE DETAIL (9-10-98--9-16-98).



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

Signed

*Shirley Houchins*

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 10-07-98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**ATTACHMENT - FORM 3160-5**  
**RATHERFORD UNIT - WELL #29-W-23**  
**14-20-603-407**  
**NAVAJO TRIBAL**  
**SAN JUAN, UTAH**

- 09-10-98 MIRU NAVAJO WEST #15. BOP, RIG PUMP, ACCMLTR UT. TNKS ROUSTABOUTS F/LOCATION PREP WORK. NU TBG TO FLW LINES, TEST F/PRESS. ND TREE, NU BOP, TIH W/2 7/8" TBG. SHUT PIPE RAMS, NU TIW VALVE & CLS, CLS BACKSIDE VALVES. SDFN.
- 09-11-98 NOTIFIED BLM, TALKED W/JOSE RUYBALID @ 9:45, P&A PROCEDURE TO BEGIN ON 9-14-98, MESSAGE AT 15:40 TO NAVAJO EPA @ (505) 368-1040. CONT IN HOLE W/TBG. TEST BOP PIPE RAMS TO 500 PSI. HOLD PRESS 5 MIN. RLS PRESS T/PIT, NU LINES REVERSE CIRC. HOLE. TIH W/TOTAL OF 5377.51' TBG, LIGHTLY TAG CIBP, RO VOLUMES OF FLUID, FLUID CLN, UNCOVER BRADEN HEAD VALVE, CHNG OUT RUSTED VALVE, SI SDFN.
- 09-12-98 SDFN & WEEKEND / WAITING ON BLM & EPA TO OBSERVE OPERATION ON MONDAY SEPTEMBER 14, 1998.
- 09-14-98 JOE RUYBALID W/BLM ON LOCATION, JOE INFORMED MARK KELLY W/BLM INSPECTION & INFORCEMENT CORD. OK. CMT PROCEDURE. JOE ALSO INFORMED STEVE MASON W/BLM OK. SIP @ 8AM WAS 0 PSI. MIRU DOWELL CMT UT. TEST LINES TO 1100 PSI, DOWELL MIX & PUMP 30 CU/FT OF 15.8 PPG CLASS 'G' NEAT CMT. F/5385-5560' PULL OUT OF HOLE TO 4935', REVC CLN, DOWELL MIX & PUMP 45 CU/FT OF CLASS 'G' NEAT CMT. F/4935-4646', POH LD 2 7/8" TBG. 1850' POOH, STAND, WO/CMT. MIRU SCHLUMBERGER LOGGING UT. RIH W/4 3/4" GUAGE RING TO 4646', TAG TOP/CMT. POH RIH W/4" PERF GUN TO 1874', SHOT 8 SHOTS. POOH, RU DOWELL PUMP UT. COULD NOT ESTABLISH RATE DN CSG. RIH W/4" PERF GUN TO 1084', SHOT 8 SHOTS. POH, RD SCHLUMBERGER. RU DOWELL PUMP UT. COULD NOT ESTABLISH CIRC DOWN 5 1/2" CSG & 8 7/8" CSG POH, RD DOWELL SIFN
- 09-15-98 SIP 0 PSI. RIH W/OE 2 7/8" TBG TO 1945', DOWELL MIX & PUMP 197 SXS CLASS 'G' NEAT CMT + 1% CACL F/1945-222', PUMP IN 4 STAGES, TOL LD EXCESS TBG TO 222', STOOD BK 2 7/8" TBG. RU SCH WL & PERF 5 1/2" CSG W/4" GUNS @ 340'. DOWELL CIRC DN 5 1/2" CSG AROUND 8 5/8" CSG. WOC. RIH W/OE 2 7/8" TBG. DOWELL MIX & PUMP 29 SXS CLASS 'G' CMT F/590-340'. POH LD TBG. DOWELL MIX & PUMP 97 SXS CLASS 'G' CMT DN 5 1/2" CSG AROUND 8 5/8" CSG, CMT TO SURFACE. ND BOP, DOWELL TOP OFF 5 1/2" CSG W/1 SX CLASS 'G' CMT TO SURFACE. JOE RUYBALID W/BLM & GEORGE ROBIN W/EPA ON LOCATION. SDFN.
- 09-16-98 RD & REL NAVAJO WEST RIG #15, FIN DIG OUT WELL HEAD & WELD ON CAP. WELL PLUGGED & ABANDONED.