

Scout Report sent

Noted in the N D File

Location map pinned

Approval or Disapproval Letter

Date Complete L. P. & A. or operations suspended

Pin changed or location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

8-5-59

*Converted to Water Injection Well; Started injecting 5-20-64*

FILE NOTATIONS

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

COMPLETION DATA:

Date Well Completed	<u>8-5-59</u>	Location Requested	_____
OW <input checked="" type="checkbox"/> WW _____ TA _____		Band Requested	_____
SW _____ OS _____ FA _____		State of Fee Land	_____

LOGS FILED

Driller's Log 9-21-59

Electric Legs (No. ) 3

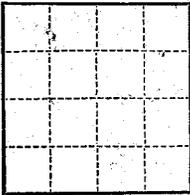
E \_\_\_\_\_ I \_\_\_\_\_ EI  GR \_\_\_\_\_ GR-N  Micro

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

Form 9-331b  
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-395

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Cortez, Colorado June 19, 1959

Navajo "A"  
Well No. 21 is located 640 ft. from N line and 610 ft. from E line of sec. 21

NE, NE Sec. 21 11S 24E 11M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
White Mesa San Juan Utah  
(Field) ungraded ground (County or Subdivision) (State or Territory)

The elevation of the ~~corner~~ floor above sea level is 4569 ft.

DETAILS OF WORK

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

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

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

Company Phillips Petroleum Company

Address Box 1150  
Cortez, Colorado

By C. M. Bales  
C. M. Bales

Title District Superintendent

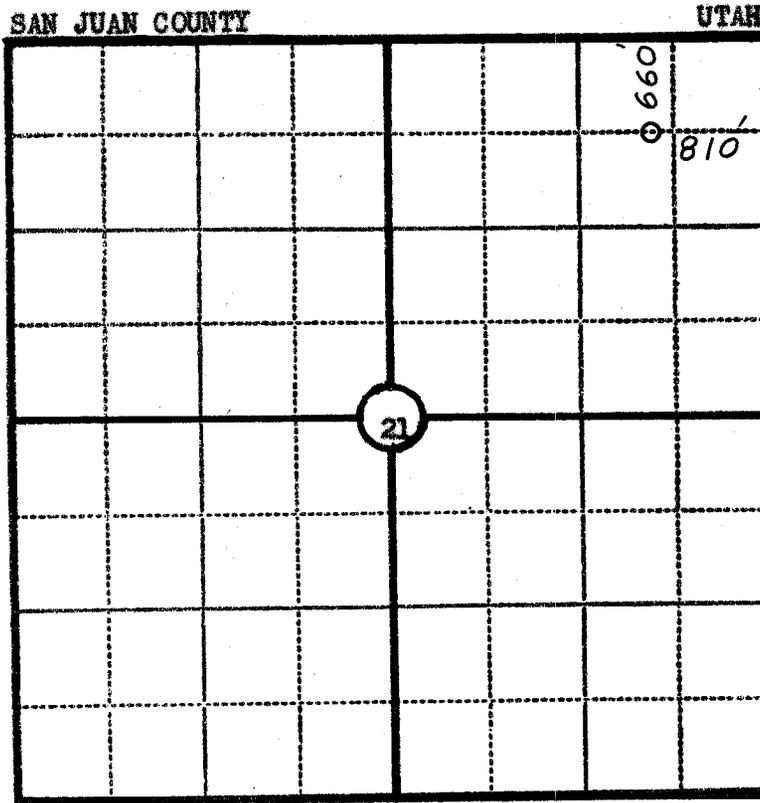
Company PHILLIPS PETROLEUM COMPANY

Lease NAVAJO Well No. A-21

Sec. 21, T. 41 SOUTH, R. 24 EAST, S.L.M.

Location 660' FROM THE NORTH LINE AND 810' FROM THE EAST LINE

Elevation 4589.0 UNGRADED GROUND



Scale—4 inches equal 1 mile

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

Seal:

*James P. Leese*  
Registered Land Surveyor.

James P. Leese  
Utah Reg. No. 1472

Surveyed 23 June, 1959

June 29, 1959

Phillips Petroleum Company  
P. O. Box 1150  
Cortez, Colorado

Attention: C. M. Boles,  
District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo A-21, which is to be located 660 feet from the north line and 810 feet from the east line of Section 21, Township 41 South, Range 24 East, SLBM, San Juan County, Utah.

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

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

Yours very truly,

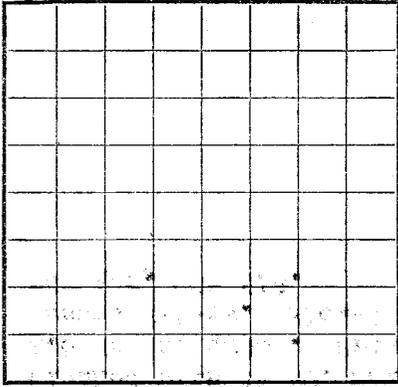
OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT  
EXECUTIVE SECRETARY

CBF:co

cc: P. T. McGrath, Dist. Eng.  
U. S. Geological Survey  
Farmington, New Mexico

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Phillips Petroleum Address P.O. Drawer 1150, Cortez, Colorado  
Lessor or Tract Navajo "A" Field White Mesa State Utah  
Well No. 21 Sec. 21 T. 41S R. 24E Meridian SLM County San Juan  
Location 660 ft. N of S Line and 810 ft. E of W Line of Sec. 21 Elevation 4597  
(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 \_\_\_\_\_

Date September 27, 1959

Title District Superintendent

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

Commenced drilling July 9, 19 59 Finished drilling July 30, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

IMPORTANT WATER SANDS

In all sands above 1355  
No. 1, from \_\_\_\_\_ to from 2490 to 2670 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
13-3/8	27.2	8 rd	1100	140	T.R.		5137	5142	oil Prod.
8-5/8	24.4	8 rd	1155	175	larkin		5150	5154	" "
5-1/2	14.7	8 rd	3-55	5703	Factor		5517	5522	" "
							5521	5528	" "

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	173	175 sx.	Circulated		
8-5/8	1355	800 cu. ft.	Circulated		
5-1/2	5672	550 cu. ft.	BJ		

PLUGS AND ADAPTERS

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

SHOOTING RECORD

FOLD MARK

FOLD MA

5-1/2 5672 550 cu. ft. B-J

**PLUGS AND ADAPTERS**

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

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

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from 0 feet to 5672 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

**DATES**

September 17, 1959 Put to producing \_\_\_\_\_, 19\_\_\_\_\_

The production for the first 24 hours was 346 barrels of fluid of which August 5 % was oil; 59 %

emulsion; 1.5 % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. 98.5

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

Rock pressure, lbs. per sq. in. 932 (-900)

**EMPLOYEES**

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

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

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
2220	2310	90	Shinarump
2310	2390	80	Moenkopi
2390	2490	100	Cutler - Hoskinini Equivalent
2490	2670	180	Cutler - De Chelly Member
2670	4425	1755	Cutler - Organ Rock member
4425	5275	750	Honaker Trail
5275	5672	397	Desert Creek (Paradox)
FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

SEP 21 1959

**HISTORY OF OIL OR GAS WELL**

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

Spudded 11:30 P.M. 7-9-59. Drilled 17-1/4" hole to 173'. Set and cemented 4 jts. 13-3/8" OD 27.1# Armco SS casing at 173' with 175 sx. regular cement, with 2% Calcium Chloride. Pumped plug to 140' at 12:15 P.M. 7-10-59. Cement circulated.

Drilled 11" hole to 1355'. Set and cemented 46 jts. 8-5/8" OD 24# J-55 casing at 1355.14' with 330 sx. regular cement, 126 sx. Diacel "D", 620# Calcium Chloride, 165# Floceyl, 660# Tuff Plug followed with 75 sx. regular cement around shoe. Cement circulated and dropped back. Filled annulus with 30 sx. regular cement with 2% Calcium Chloride. Completed 6:38 AM 7-12-59. Pumped plug to 1320' - cement circulated. W.O.C. 24 hours. Tested casing to 750# for 30 minutes. Tested O.K.

Drilled 7-7/8" hole to 5672' 7-30-59. Ran Schlumberger ES Induction Micro Caliper logs and open hole Gamma Ray neutron logs to 5673'. Set and cemented 174 jts. 5-1/2" OD 14# J-55 Kg-2 SS casing with reactor float collar and guide shoe at 5672.35' with 132 sx. regular cement, 100 sx. Diacel D, 496# Calcium Chloride. Pumped plug to 5637' with 1500# maximum pressure at 1:05 PM 7-31-59. W.O.C. 24 hours - tested casing with 1000# IMA for 30 minutes - tested O.K.

Tagged bottom with tubing at 5637' (Top cement plug). Pulled tubing, ran Gamma Ray Collar Locator log to 5637'. Perforated Desert Creek (5-1/2" casing) with 4 shots per foot using RL and EL measurements from 5437-42, 5450-64, 5517-22, 5524-28. Ran 176 jts. 2-7/8" OD EUE tubing with Baker EGI packer with Guiberson holddown. Set tubing at 5604.36' and packer at 5312'. Released rotary 5:30 P.M. 8-1-59.

Moved in well service unit 8-3-59. Rigged up and displaced water with 95 BO. Spotted acid on formation and set packer at 5312. Acidized Desert Creek casing perforations from 5437-42, 5450-64, 5517-22 and 5524-28 8-4-59 with 3500 gallons 15% regular acid. Flushed with 35 BO, maximum pressure 4200#, minimum pressure 4000#. Average flush rate 1.6 BPM at 4000#. Pressure bled to 3700# in 5 minutes after completing treatment. Tested 8-5-59. Flowed 341 BO, 5 BW in 24 hours through 48/64" choke. FTP 100#, 176.6 MCF gas, GOR 518.

RECORDS SECTION  
DEPARTMENT OF THE INTERIOR  
BUREAU OF OIL AND GAS

DATE OF REPORT  
BY  
CHECKED BY  
APPROVED BY

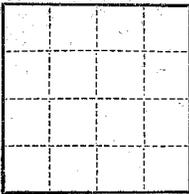
Form 9-331b  
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal  
Lease No. 14-20-603-355



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Navajo "A" # Cortez, Colorado September 17, 19 59

Well No. 21 is located 660 ft. from N line and 830 ft. from E line of sec. 21

NE NE Sec. 21 41S 24E 31M  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
White Mesa San Juan Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrier floor~~ ungraded ground above sea level is 4589 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)

Tagged bottom with tubing at 5637' (Top cement plug). Palled tubing. Ran Gamma Ray Collar Locator log to 5637'. Perforated Desert Creek (5-1/2" casing) with 4 shots per foot using KL and RL measurements from 5437-42, 5450-64, 5517-22, 5524-28. Ran 176 jts. 2-7/8" GD KUE tubing with Baker EGJ packer with Guiberson holddown. Set tubing at 5604.36' and packer at 5312'. Released rotary 5:30 P.M. 8-1-59.

Moved in well service unit 8-3-59. Rigged up and displaced water with 95 BO. Spotted acid on formation and set packer at 5312. Acidized Desert Creek casing perforations from 5437-42, 5450-64, 5517-22 and 5524-28 8-4-59 with 3500 gallons 15% regular acid. Flushed with 95 BO, maximum pressure 4200#, minimum pressure 4000#. Average flush rate 126 BPM at 4000#. Pressure bled to 3700# in 5 minutes after completing treatment. Tested 8-5-59. Flowed 341 BO, 5 BW in 24 hours through 48/64" choke. FT 100#, 176.6 NEF Gas, GOR 518.

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

Company Phillips Petroleum Company

Address P O Drawer 1150

Cortez, Colorado

By C. H. Boles  
C. H. Boles  
Title District Superintendent

Form 9-331 b  
(April 1952)

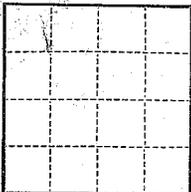
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-355



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Cortez, Colorado September 17, 1959

Navajo "A"  
Well No. 21 is located 660 ft. from [N] line and 810 ft. from [E] line of sec. 21  
NE NE Sec. 21 41S 24E 31M  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
White Mesa San Juan Utah  
(Field) ungraded ground County or Subdivision (State or Territory)

The elevation of the ~~surface~~ above sea level is 4509 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 11:30 P.M. 7-9-59. Drilled 17-1/4" hole to 173'. Set and cemented 4 jts. 13-9/8" OD 27.1# Armo SW SJ casing at 173' with 175 mx. regular cement, with 25 Calcium Chloride. Pumped plug to 140' at 12:15 P.M. 7-10-59. Cement circulated.

Drilled 11" hole to 1355'. Set and cemented 46 jts. 8-5/8" OD 24# J-35 casing at 1355.14' with 330 mx. regular cement, 126 mx. Diaseal "D", 620# Calcium Chloride, 165# Flocco, 660# Tuff Plug followed with 75 mx. regular cement around shoe. Cement circulated and dropped back. Filled annulus with 30 mx. regular cement with 25 Calcium Chloride. Completed 6:30 AM 7-12-59. Pumped plug to 1320' - cement circulated. W.O.C. 24 hours. Tested casing to 750# for 30 minutes. Tested O.K.

(Continued on back)

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

Company Phillips Petroleum Company

Address P. O. Drawer 1150

Cortez, Colorado

By [Signature]  
C. N. Dolan  
Title District Superintendent

SEP 21 1959

Drilled 7-7/8" hole to 5672' 7-30-59. Ran Schlumberger ES Induction Micro Caliper logs and open hole Gamma Ray Neutron logs to 5673'. Set and cemented 174 jts. 5-1/2" OD 14# J-55 Rg2 SS casing with Rector float collar and guide shoe at 5672.35' with 132 sx. regular cement, 100 sx. Diacel D, 496# Calcium Chloride. Pumped plug to 5637' with 1500# maximum pressure at 1:05 PM 7-31-59. W.O.C. 24 hours - tested casing with 1000# for 30 minutes - tested O.K.



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

May 25, 1964

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

Attention: Mr. Cleon B. Feight

Dear Sirs:

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

<u>Old Well No.</u>	<u>New Well No.</u>	<u>Date Converted</u>	<u>Injection Rate</u>	<u>Injection Pressure</u>
12-13	12W13	11-21-63 *	650 BWPD	400#
21-41	21W41	5-20-64	997 BWPD	2500#

\*Well 12W13 was shut in after conversion to Water Injection well effective November 21, 1963 ; was shut in December 2, 1963 to hold for water injection. Water Injection resumed May 22, 1964.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

  
C. M. Boles  
Area Superintendent

bh

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN APPLICATION\*  
(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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection Well</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>11-20-603-955</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Co.</b>		6. IF INDIAN; ALLOTTEE OR TRIBE NAME <b>Navajo Tribe</b>
3. ADDRESS OF OPERATOR <b>P. O. Drawer 1150, Cortez, Colorado</b>		7. UNIT AGREEMENT NAME <b>SN-I-4192</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>660' from North line, 810' from East line NE NE Sec. 21</b>		8. FARM OR LEASE NAME <b>Ratherford Unit</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4589 ungraded ground</b>	9. WELL NO. <b>21W41</b>
		10. FIELD AND POOL, OR WILDCAT <b>Greater Aneth</b>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>21-41S-24E, 81M</b>
		12. COUNTY OR TERRITORY <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>Convert well to Water Injection</b>	
(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.)\*

Pulled rods and tubing, ran 2" tubing with Marlex liner and Baker Tension packer. Hooked well up for Water Injection, started injecting water 5-20-64. Changed Well Classification from Oil Well to Water Injection Well and number from 21-41 to 21W41 effective 5-20-64.

Previous Production from Greater Aneth Field, Paradox Formation, Desert Creek Zone:

20 BOPD, 11 MCFGPD, 0 BWPD

Present Injection Rate: 997 BWPD at 2500/.

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

SIGNED *G. M. Dolan* TITLE Area Superintendent DATE 6-23-64

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

11-20-603-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribe

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.)

7. UNIT AGREEMENT NAME

22-112

8. FARM OR LEASE NAME

Richardson Unit

9. WELL NO.

2101

10. FIELD AND POOL, OR WILDCAT

Greater Amph Field

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

21-010-21E S.L.M.

12. COUNTY

San Juan

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

Water Injection Well

2. NAME OF OPERATOR

Phillips Petroleum Co.

3. ADDRESS OF OPERATOR

Box 1150, Cortez, Colorado

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

660' E1/4, S10' T2E, R5E, S4E Section 21

14. PERMIT NO.

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

4509' ungraded ground

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

In attempt to increase water injection rate, treat well with 2000 gallons of 15% regular acid with 2 gallons of I-5 additive per 1000 gallons of acid, 250 gallons Sol Block, and 2000 gallons of 15% regular acid with 2 gallons of I-5 additive per 1000 gallons of acid.

Present injection rate: 54 B/PD at 2500%.

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

SIGNED

G. H. Baker

TITLE

District Superintendent

DATE

10-23-63  
10/23/63

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

December 15, 1965

Phillips Petroleum Company  
Drawer 1150  
Cortez, Colorado

Gentlemen:

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

BATHERFORD UNIT #9021, Sec. 9, T. 41 S., R. 24 E.	Shoot or Acidize
BATHERFORD UNIT #12-31, Sec. 12, T. 41 S., R. 23 E.	Perforate Ismay & Acidize
BATHERFORD UNIT #16043, Sec. 16, T. 41 S., R. 24 E.	Shoot or acidize
BATHERFORD UNIT #16021, Sec. 16, T. 41 S., R. 24 E.	Shoot or acidize
BATHERFORD UNIT #12044, Sec. 12, T. 41 S., R. 23 E.	Shoot or acidize
BATHERFORD UNIT #21041, Sec. 21, T. 41 S., R. 24 E.	Shoot or acidize
BATHERFORD UNIT #21021, Sec. 21, T. 41 S., R. 24 E.	Shoot or acidize

**Phillips Petroleum Company  
Drawer 1130  
Cortez, Colorado**

**(2)**

**RATHERFORD UNIT #15423,  
Sec. 15, T. 41 S., R. 24 E.**

**Shoot or acidize**

**RATHERFORD UNIT #15443,  
Sec. 16, T. 41 S., R. 24 E.**

**Shoot or acidize**

**Your attention to this matter will be greatly appreciated.**

**Very truly yours,**

**OIL & GAS CONSERVATION COMMISSION**

**ANNETTE R. HANSEN  
RECORDS CLERK**

**ark**

**Enclosures: 0000-1b**

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 type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection well</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-355</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo Tribe</b>
3. ADDRESS OF OPERATOR <b>Drawer 1150, Cortez, Colorado</b>		7. UNIT AGREEMENT NAME <b>31-I-4192</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>660' FWL; 510' FWL, NE NE Section 21</b>		8. FARM OR LEASE NAME <b>Rutherford Unit</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4587' ungraded ground</b>	9. WELL NO. <b>2141</b>
		10. FIELD AND POOL, OR WILDCAT <b>Greater Aneth Field</b>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>21-41E-34E S.1.E.</b>
		12. COUNTY <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:

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

SUBSEQUENT REPORT OF:

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

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

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

In attempt to increase water injection rate, acidize perforations 5437-42', 5450-61', 5517-22' and 5524-28' in Subzone I of the Desert Creek Formation with 15,000 gallons of 28% acid.

Present Injection Rate: 49 B/WD at 2550/.

\*This Notice of Intention to Shoot or Acidize cancels and supersedes Notice of Intention to Shoot or Acidize dated October 13, 1965.

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

SIGNED G. H. Boles

TITLE District Superintendent

DATE 12-15-65

(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 ( ) (CATE)\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Water Injection well</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>11-11-42-22</b>
2. NAME OF OPERATOR <b>Phillips Petroleum Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>None</b>
3. ADDRESS OF OPERATOR <b>Denver 1120, Denver, Colorado 80202</b>		7. UNIT AGREEMENT NAME <b>11-11-42-22</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>450' W1/4, 210' N1/4, NE 1/4 Section 21</b>		8. FARM OR LEASE NAME <b>Industrial 222</b>
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>450' original ground</b>	9. WELL NO. <b>222</b>
10. FIELD AND POOL, OR WILDCAT <b>Greater Wash Field</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>11-11-42-22 N.1/4</b>
12. COUNTY <b>Wash</b>		13. STATE <b>Wash</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 checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

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

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

**Injection well (11-11-42-22)**

acidized insert down through 2" tubing and Marlex liner with 11,000 gallons 20% acid in three 500 gallon stages with first 2 stages followed with 500 gallons fresh water and 500 gallons 10-2 salt plug mixed 1:1 salt per gallon of water. Last stage followed with 500 gallons fresh water. Instantaneous 517 100%. Overall treating rate 1.3 100%. Maintained 2000% on monitor during entire treatment. resumed injection.

PREVIOUS INJECTION RATE: Injected 40 BOPD at 25350.

PRESENT INJECTION RATE: Injected 790 BOPD at 24350.

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

SIGNED: [Signature] TITLE: District Superintendent DATE: 1-1-64

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

RE: RATHERFORD UNIT MONTHLY OPERATING REPORT  
JANUARY 1966

February 22, 1966

Date: Rutherford Unit Monthly Operating Report  
January 1966

Page No. 3

Rutherford Unit 16W43 (Acid Job)

On January 19, 1966 acidized well through 2 1/2" wire tubing and packer with 15,000 gallons 15% regular acid, 15,000 gallons fresh water, 400 gallons temporary block with 72 ball sealers in 3 stages as follows: First stage 5000 gallons 15% acid followed by 5000 gallons fresh water, 200 gallons block, 30 ball sealers. Second stage 5000 gallons 15% acid followed by 5000 gallons fresh water, 200 gallons block, 30 ball sealers. Third stage 5000 gallons 15% acid followed by 6000 gallons fresh water. Injectivity was 117 BWPD at 2520# before the treatment and 130 BWPD at 2450# following the treatment.

Rutherford Unit 18W43 (Acid Job)

On January 19, 1966 acidized well through 2 1/2" tubing with Marlex liner and packer with 2000 gallons 15% regular acid, 250 gallons temporary block, and 2000 gallons 15% regular acid. Injectivity increased from 1081 BWPD at 430# before the treatment to 1638 BWPD at 190# following the treatment.

Rutherford Unit 21W41 (Acid Job)

On January 5, 1966 acidized well through 2" tubing and Marlex liner and packer with 15,000 gallons 28% acid, 15,000 gallons fresh water, and 1000 gallons salt plug in three stages as follows: First stage 5000 gallons 28% acid followed by 5000 gallons fresh water and 500 gallons salt plug. Second stage 5000 gallons 28% acid followed by 5000 gallons fresh water and 500 gallons salt plug. Third stage 5000 gallons 28% acid followed by 5000 gallons fresh water. Injectivity increased from 48 BWPD at 2535# before the treatment to 798 BWPD at 2425# following the treatment.

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 21W41 WELL  
SEC. 21 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:

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

Lease Name <u>Ratherford Unit</u>	Well No. <u>21W41</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>21W41</u> Sec. <u>21</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 Oil & Gas	
Location of Injection Source(s) <u>Desert Creek Paradox I &amp; II San Juan River</u>	Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5567') San Juan River (Surface)</u>		
Geologic Name of Injection Zone <u>Desert Creek I</u>	Depth of Injection Interval <u>5437</u> to <u>5528</u>		
a. Top of the Perforated Interval: <u>5437</u>	b. Base of Fresh Water: <u>1550'</u>	c. Intervening Thickness (a minus b) <u>3887</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES NO <u>See Attachment #4</u>			
Lithology of Intervening Zones <u>See Attachment #1</u>			
Injection Rates and Pressures <u>SD 9-1-81</u> Maximum _____ B/D PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			
<u>Navajo Tribe, Minerals Dept., P.O. Box 146, Window Rock, AZ 86515</u>			
<u>Superior Oil, P.O. Box 4530, The Woodlands, TX 77380</u>			
<u>Texaco Inc., P.O. Box 2100, Denver, CO 80201</u>			
<u>Southland Royalty, 1000 Fort Worth Club Tower, Fort Worth, TX 76102</u>			

State of Wyoming  
County of Natrona

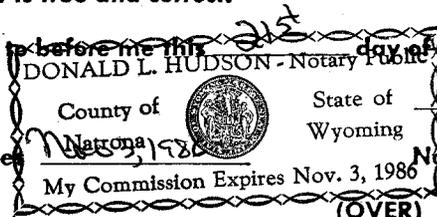
PHILLIPS PETROLEUM COMPANY  
Applicant

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

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

SEAL

My commission expires



State of  
Wyoming

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	13 3/8	173	175	Surface	Returns
Intermediate	8 5/8	1355	800 cu ft.	Surface	Returns
Production	5 1/2	5672	550 cu ft.	4285	CALCULATED
Tubing	2 3/8	5377	Name - Type - Depth of Tubing Packer Baker AD PKR 5377		
Total Depth PBD 5637		Geologic Name - Inj. Zone Desert Creek I		Depth - Top of Inj. Interval 5437	
				Depth - Base of Inj. Interval 5528	



WELL: 21W41  
LOCATION: NENE Sec 21-T41S-R24E  
FIELD: GREATER ANEM  
RESERVOIR: Desert Creek I

COMPLETION: 5.20.64  
PRESENT STATUS: S.I.

RKB 4597'  
GL 4589'

173'

SURFACE CASING: 133/8" 27.1#  
H-40

INTERMEDIATE CASING: 85/8"  
24# J-55

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

1355'

PERFORATIONS:  
5437-42  
5450-64  
5517-22  
5524-28

PACKER: BAKER model "AD"  
Plr @ 5377'  
Tubing: 2 3/8" @ 5377'

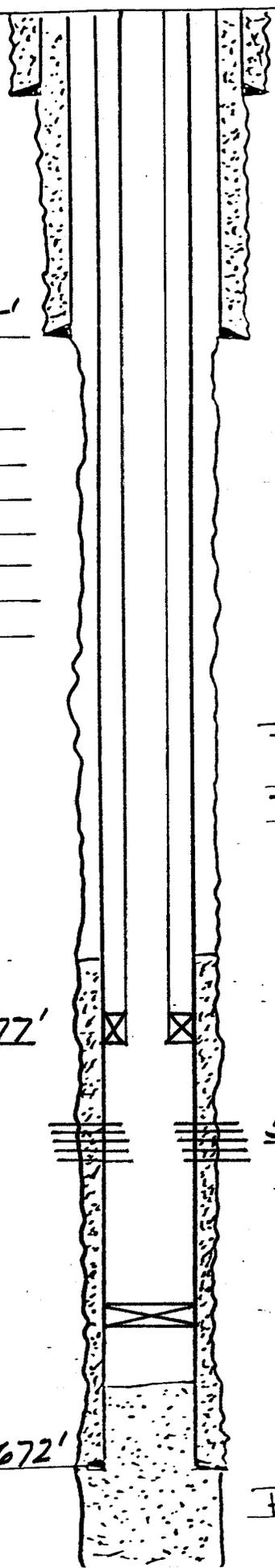
5377'

5437'-5528'

PBTD: 5637'  
OTD: 5672'

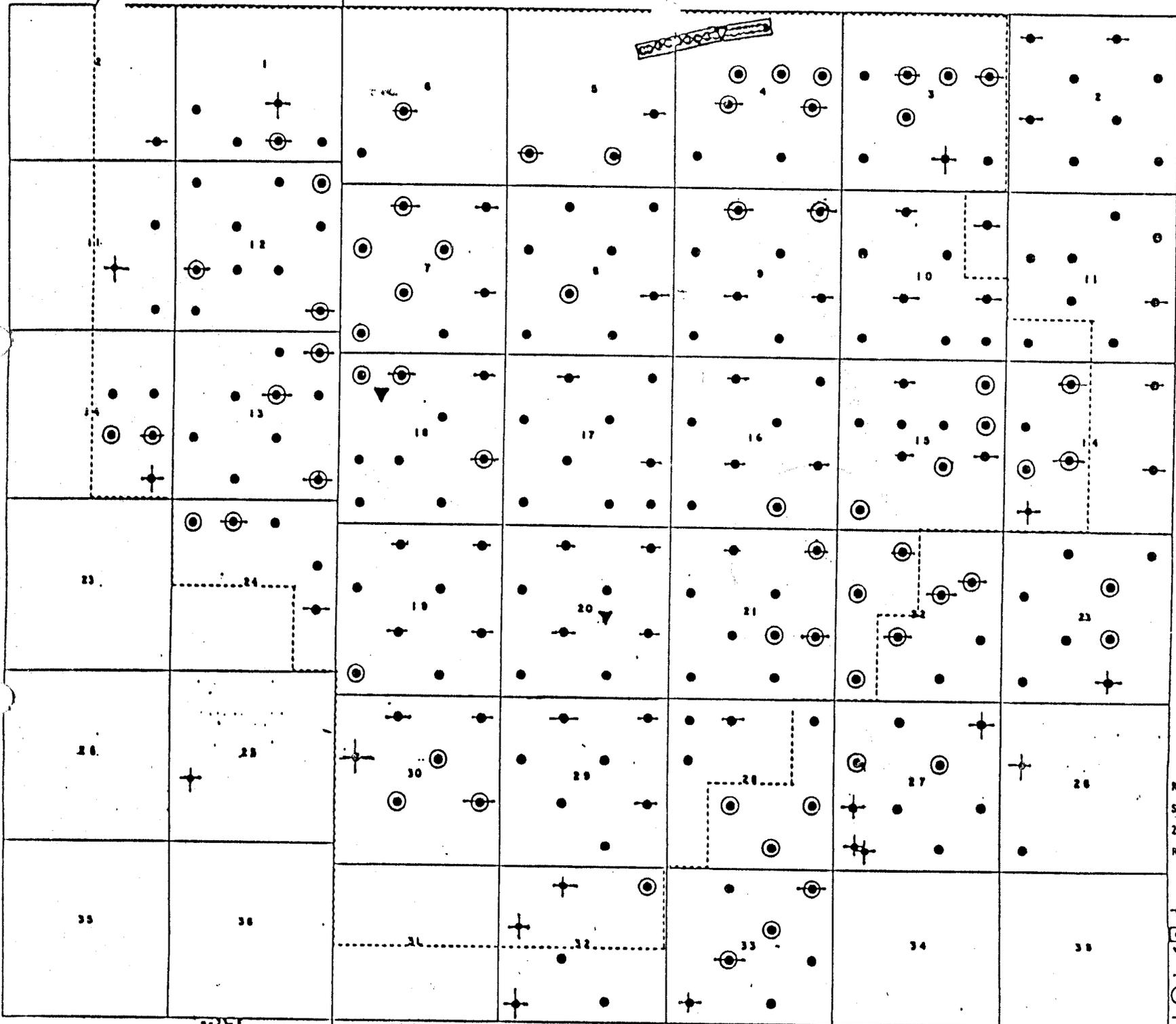
5672'

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

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips Well No. Rutherford Unit 21W41  
 County: Somerset T 41S R 24E Sec. 21 API# 43-03716426  
 New Well  Conversion  Disposal Well  Enhanced Recovery Well

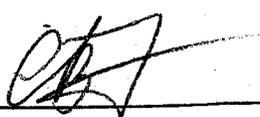
	YES	NO
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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	<u>Desert Creek</u>	
Analysis of Injection Fluid	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <u>85655</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>8</u> Prcd. <u>4</u> P&A <u>0</u>	
	Water <u>0</u> Inj. <u>4</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	<input type="checkbox"/>	Type <input type="checkbox"/>

Comments: TOC 4285

---



---

Reviewed by: 

BUREAU OF LAND MANAGEMENT AND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

A. LEASE DESIGNATION AND SERIAL NO.

14-20-603-355

C. W. HOLE, ALLOTED OR TRUSS HOLE

Navajo

V. UNIT ASSIGNMENT NAME

SW-I-4192

W. NAME OR LEASE NAME

Ratherford Unit

U. WELL NO.

21W41

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC. 2, 3, 4, 5, OR B.L.E. AND SURVEY OR AREA

Sec. 21-T41S-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, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface 660' FNL, 810' FEL  
NE NE Section 21

14. PERMIT NO.  
43-037-16426

15. ELEVATIONS (Show whether 50, 55, 60, etc.)  
4599' RKB

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PLUG OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDISE

ABANDON

SHOOTING OR ACIDIZING

ABANDONMENT

REPAIR WELL

CHANGE PLANS

(Other) \_\_\_\_\_

(Other) Temporarily Abandon

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

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

It is proposed to temporarily abandon Ratherford Unit #21W41 as follows:

- 1) Set Bridge Plug at approximately 5400'.
- 2) Cap with 35' cement plug.
- 3) Fill well bore with non-corrosive fluid.
- 4) Shut well in at the surface.

Existing perforation intervals in the 5-1/2" casing are: 5437'-42', 5450-64', 5517'-22', and 5524'-28'.

Ratherford Unit #21W41 will be temporarily abandoned until reactivation is necessary for Zone I injection support.

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

5-BLM, Farmington, NM

2-Utah O&G CC, Salt Lake City, Utah

1- P. J. Adamson

1- B. Conner, 318 B-TRW

1- J. R. Weichbrodt

1- C. M. Anderson

1- File RC

RECEIVED

SEP 03 1985

DIVISION OF OIL  
GAS & MINING

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

SIGNED

*D. C. Gill*  
D. C. Gill

TITLE

Area Manager

DATE

August 23, 1985

(This space for Federal or State office use)

APPROVED BY

*Leon B. Feight*

TITLE

UIC Manager

DATE

9-4-85

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

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

OPERATOR: Phillips Petroleum Company  
 FIELD: Greater Aneth LEASE: Ratherford Unit  
 WELL # 21W41 SEC. 21 TOWNSHIP 41S RANGE 24E  
 STATE (FED.) FEE DEPTH 5637 TYPE WELL INJW MAX. INJ. PRESS. \_\_\_\_\_  
SD 9/1/81, TA in 85' (?)  
 TEST DATE 6/17/84

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>13 3/8</u>	<u>173</u>	<u>175</u>		<u>SI</u>	
<u>INTERMEDIATE</u>	<u>8 5/8</u>	<u>1355</u>	<u>800ft<sup>3</sup></u>			
<u>PRODUCTION</u>	<u>5 1/2</u>	<u>5672</u>	<u>550ft<sup>3</sup></u>			

TUBING 2 3/8 5377  
Baker AD Pkr at 5377'

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

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 21, 1985  
14-20-603-355  
S. P. HODGE, ALLEGES ON TELEPHONE

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.  OIL WELL  GAS WELL  OTHER Water Injection Well

2. NAME OF OPERATOR  
Phillips Petroleum Company

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface 660' FNL, 810' FEL  
NE NE Section 21

14. PERMIT NO.  
43-027-16426

15. ELEVATIONS (Show whether SP, RT, OR, etc.)  
4599' RKB

RECEIVED  
AUG 22 1986

DIVISION OF  
OIL, GAS & MINING

7. SURVEY ACROSSMENT NAME  
SW-I-4192

8. NAME OF LEASE NAME  
Ratherford Unit

9. WELL NO.  
21W41

10. FIELD AND POOL, OR WELDCAT  
Greater Aneth

11. SEC., T., R., E., OR S.E., AND CENTER OR AREA  
Sec. 21-T41S-R24E

12. COUNTY OR PARISH  
San Juan

13. STATE  
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 type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Temporarily Abandon Extension. <input checked="" type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Request 1 year extension of previous approval given September 4, 1985, for temporary abandonment of Ratherford Unit Well #21W41.

- 5- BLM, Farmington, NM
- ✓ 2- Utah O&G CC, Salt Lake City, Utah
- 1- P. J. Adamson
- 1- M. Williamson, 302 TRW
- 1- J. R. Reno
- 1- Z. G. Sondelski
- 1- B. J. Murphy

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 9/4/86  
BY: [Signature]

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

SIGNED D. C. Gill TITLE Area Manager DATE August 18, 1986  
D. C. Gill

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

\*See instructions on Reverse Side

# DOWN HOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 21W41

Location NE NE Sec. 21  
T41S-R24E

RKB Elev. 4597'

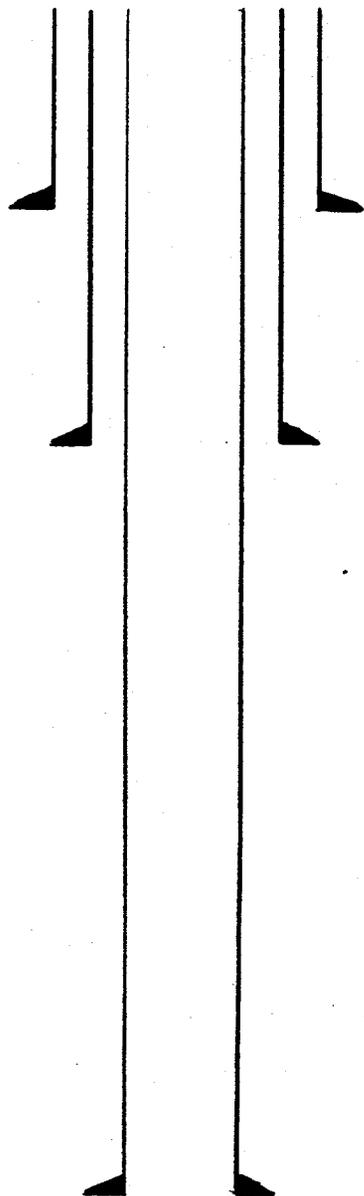
Well Drld 7/30/59

GL Elev. 4586'

Well converted to injector 2/25/04

RKB Above GL' 11'

SHUT-IN



CONDUCTOR CSG 1 3/8 @ 173'

SURFACE CSG. 8 5/8 @ 1355'

TOC 4092' CALC.

TUBING @

PACKER \_\_\_\_\_

PERFS	<u>5437 - 42</u>	_____	_____
	<u>5450 - 64</u>	_____	_____
	<u>5517 - 22</u>	_____	_____
	<u>5524 - 28</u>	_____	_____

PBTD 5,350'

PRODUCTION CSG. 5 1/2 @ 5672'  
J-55, 14#

All Perfs Zone I unless noted

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate  
(Other instruction  
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.)

FEB 29 1988

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

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

3. ADDRESS OF OPERATOR **152 North Durbin, 2nd Floor, Casper, WY 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface **660' FNL & 810' FEL**

14. PERMIT NO. **43-027-16426**

15. ELEVATIONS (Show whether DF, RT, GR, etc.) **4597' RKB**

5. LEASE DESIGNATION AND SERIAL NO. **14-20-603-3555**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME **Navajo 030747**

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

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

9. WELL NO. **#21W41**

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA **Sec. 21 T41S R24E**

12. COUNTY OR PARISH **San Juan**

13. STATE **Utah**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	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 PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(Other) **Plug back to Zone I**

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

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

It is proposed to plug back Ratherford Unit #21W41, a shut-in Zone I/ZoneII water injection well, to Zone I water injection. A retainer will be set, and the well cement squeezed to plug back to 5480'. The well will then be acidized with 1500 gal., 28% HCl acid, and returned to production.

Anticipated date of re-completion: 7/31/88

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

5-BLM, Farmington, NM  
2-Utah O & G CC, Salt Lake City, UT  
1-P. J. Konkell  
1-File-RC  
1-M. Williams, 1370 G POB

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

SIGNED D. C. Gill TITLE Area Manager DATE 2/25/88

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 3-3-88

BY: John R. Day

Federal approval of this action is required before commencing operations.

\*See Instructions on Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
OIL AND GAS INSPECTION RECORD

OPERATOR: PHILLIPS PETROLEUM COMPANY LEASE: INDIAN  
WELL NAME: 21W41 API: 43-037-16426  
SEC/TWP/RNG: 21 41.0 S 24.0 E CONTRACTOR:  
COUNTY: SAN JUAN FIELD NAME: GREATER ANETH

DRILLING/COMPLETION/WORKOVER:

APD  WELL SIGN  HOUSEKEEPING  BOPE  
 SAFETY  POLLUTION CNTL  SURFACE USE  PITS  
 OPERATIONS  OTHER

SHUT-IN  / TA :

WELL SIGN  HOUSEKEEPING  EQUIPMENT \*  SAFETY  
 OTHER

ABANDONED:

Y MARKER  Y HOUSEKEEPING  Y REHAB  OTHER

PRODUCTION:

WELL SIGN  HOUSEKEEPING  EQUIPMENT \*  FACILITIES \*  
 METERING \*  POLLUTION CNTL  PITS  DISPOSAL  
 SECURITY  SAFETY  OTHER

GAS DISPOSITION:

VENTED/FLARED  SOLD  LEASE USE

LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

\*FACILITIES INSPECTED:  
MARKER/LOC.

REMARKS:  
OK

ACTION:

INSPECTOR: CHIP HUTCHINSON

DATE: 03/16/88

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

**RECEIVED**  
MAR 20 1989

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

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

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

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

(former Operator - Phillips Oil Company)

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

18. I hereby certify that the foregoing is true and correct  
4-24-89 037-16426  
SIGNED A. H. Oden TITLE District Superintendent DATE March 17, 1989  
S. H. Oden

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW - I - 4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

21W41 **NAVAJO A-21**

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. 21-T41S-R24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

Water Injection Well 25 1990

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. o. Box 1150, Cortez, CO81321

DIVISION OF  
OIL, GAS & MINING

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

660' FNL, 810' FEL, NE NE Section 21

14. PERMIT NO.

43-037-16426

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

4599' RKB

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other) Temporary Abandon

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

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

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

It is proposed to temporarily abandon Ratherford Unit #21W41 as follows:

- 1) Set a Bridge Plug at approximately 5375'.
- 2) Test 5-1/2" casing above Bridge Plug to 500 psi for 45 min.
- 3) Circulate wellbore with corrosion inhibited water.
- 4) Shut well in at the surface.

Existing perforations: 5437'-5442', 5450'-5464', 5517'-5522', and 5524'-5528'.

It is not economical at this time to alter the injection profile from a Zone I & II injector to a Zone I injector. As conditions change in the water flood, this well may be reactivated to a Zone I injector.

5-BLM, Farmington  
2-Utah O & G CC  
1-EPA, Denver  
1-S. H. Oden  
1-P. J. Konkell  
1-P.P.Co., Cortez - RC

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

Date: 6-27-90

By: *[Signature]*

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

SIGNED

*[Signature]*  
M. L. Menghini

TITLE District Superintendent

DATE

6/21/90

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Federal Approval of this  
Action is Necessary

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-1135  
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON

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

RECEIVED  
SEP 21 1990

5. Lease Designation and Serial No.  
14-20-603-355

If Indian, Allottee or Tribe Name  
Navajo Tribal

If Unit or CA, Agreement Designation  
SW-I-4192

Ratherford Unit

8. Well Name and No.  
Ratherford Unit #21W41

9. API Well No.  
43-037-16426

10. Field and Pool, or Exploratory Area  
Greater Aneth

11. County or Parish, State  
San Juan Co., Utah

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well     Gas Well     Other    Temporarily Abandoned Water Well

2. Name of Operator  
Phillips Petroleum Company

3. Address and Telephone No.  
P. O. Box 1150, Cortez, CO 81321    (303) 565-3426

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660' FNL & 810' FEL, NE NE, Sec. 21-T41S-R24E

DIVISION OF  
OIL, GAS & MINING

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 checked="" type="checkbox"/> Abandonment Temporary
<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
	<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

(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.)

August 29, 1990 Through August 31, 1990

MI & RU well service unit 8/29/90. ND wellhead, NU BOP. Circ wtr & reI pkr. COOH w/pkr & 172 jts 2-3/8" tbg. GIH w/bit & csg scraper on workstring & cleaned out well to 5414'. COOH w/bit & scraper. GIH & set CIBP at 5368'. Circ 120 bbls wtr w/one drum Well Chem 840. ND BOP, NU wellhead. Tested 5-1/2" csg above CIBP to 500 psi for 45 min, held OK. RD & MO well service unit and shut well in at surface. Well temporarily abandoned 8/31/90.

- 5 - BLM, Farmington
- 2 - Utah O&GCC
- 1 - EPA, Denver
- 1 - N. Anstine
- 1 - S. H. Oden
- 1 - P. J. Konkel
- 1 - Chieftain
- 1 - Mobil Oil
- 1 - Texaco, Inc.
- 1 - Chevron
- 1 - PPCO, Houston
- 1 - PPCO, Cortez, RC

UIC	
GLH	
DJJ	
BGH	
COMPUTER	
MICROFILM	
FILE	

310

MURKIN

317

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

Signed S. H. Oden S. H. Oden Title District Superintendent Date 9/18/90

(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

**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**

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

5. Lease Designation and Serial No.

14-20-603-355

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

Ratherford Unit

SW-I-4192

8. Well Name and No.

Ratherford Unit #21W41

9. API Well No.

43-037-16426

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

1. Type of Well

Oil Well  Gas Well  Other Water Injector

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

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

NE/NE, Sec. 21-T41S, R24E  
660' FNL & 810' 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 Reactivation  
 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.)\*

1992 drilling plans justify the reactivation of this well. The apparent communication to Zone II will be shut off by perforating and cement squeezing the channel to Zone II. The well will then be returned to a Zone I injector.

- |                     |                  |             |                      |
|---------------------|------------------|-------------|----------------------|
| 5 - BLM, Farmington | 1 - N. Anstine   | 1 - Mobil   | 1 - PPCo, Houston    |
| 2 - Utah, O&GCC     | 1 - P.J. Konkell | 1 - Texaco  | 1 - PPCo, Farmington |
| 1 - EPA, Denver     | 1 - Chieftain    | 1 - Chevron |                      |



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

AUG 08 1991

DIVISION OF  
OIL GAS & MINING

Date: 8-16-91  
By: [Signature]

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

Signed: [Signature]  
L. E. ROBINSON

Title: Sr. Drlg. & Prod. Engr.

Date: 8-6-91

(This space for Federal or State office use)

Approved by: Federal Approval of this  
Conditions of approval, if any: Action is Necessary

Date:

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  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number 14-20-603-355
7. Indian Allottee or Tribe Name Navajo Tribal
8. Unit or Communitization Agreement Ratherford Unit SW-I-4192
9. Well Name and Number 21-W-41
10. API Well Number 43-037-16426
11. Field and Pool, or Wildcat Greater Aneth

**SUNDRY NOTICES AND REPORTS ON WELLS**  
 Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
 Use APPLICATION FOR PERMIT— for such proposals

FEB 18 1992

1. Type of Well  
 Oil Well     Gas Well     Other (specify) Injector

2. Name of Operator  
 Phillips Petroleum Company

3. Address of Operator  
 5525 HWY 64, NBU 3004, Farmington, NM

4. Telephone Number  
 (505) 599-3400

5. Location of Well  
 Footage : 660' FNL & 810' FEL  
 County : San Juan  
 QQ, Sec, T., R., M. : NE NE Sec. 21, T14S, R24E  
 State : UTAH

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Date of Work Completion \_\_\_\_\_

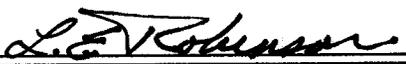
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.  
 \* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ANNUAL STATUS REPORT

A preliminary review of this shut-in injection well indicates that it may be feasible to reactivate. This well was shut-in due to communication with Zone II. We will submit our plan to plug back and reactivate after completing the feasibility study.

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

Name & Signature L.E. Robinson  Title Sr. Drlg. & Prod. Date 2-11-92  
 (State Use Only) Engr.

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.  
14-20-603-355

6. If Indian, Allottee or Tribe Name  
Navajo Tribal

7. If Unit or CA, Agreement Designation  
Ratherford Unit  
SW-I-4192

8. Well Name and No.  
Ratherford Unit #21W41

9. API Well No.  
43-037-16426

10. Field and Pool, or Exploratory Area  
Greater Aneth

11. County or Parish, State  
San Juan, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other Water Injector

2. Name of Operator  
Phillips Petroleum Company

3. Address and Telephone No.  
5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660' FNL & 810' FEL  
Sec. 21, T14S, R24E  
415

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 checked="" 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 _____
	<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.)\*

This shut-in injection well cannot be economically reactivated. Attached is a copy of the proposed P&A procedure.

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

Date: 10-26-92

By: [Signature]

RECEIVED

OCT 19 1992

DIVISION OF  
OIL, GAS & MINING

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

Signed [Signature] Title Sr. Drlg. & Prod. Engr. Spec. Date 10-13-92

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Federal Approval of this Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: Action is Necessary

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

RATHERFORD UNIT 21W41  
PLUG AND ABANDONMENT PROCEDURE  
SEPTEMBER 24, 1992

Safe operations are of utmost importance at all Phillips Petroleum Company properties and facilities. To further this goal, the Phillips Supervisor at the location shall request tailgate safety meetings prior to initiation of work and also prior to any critical operations. These tailgate safety meetings shall be attended by all Company, contract, and service personnel then present at the location. All parties shall review proposed upcoming steps, procedures, and potentially hazardous situations. Occurrence of these meetings shall be recorded in the Daily Report.

Formation Tops: Chinle 1358'  
Hermosa 4412"

1. Notify Mark Kelly (505-599-8907) with BLM at least 24 hours prior to commencement of operations. Also, notify Ken Lingo (505-327-6818) with the EPA to witness operations (48 hour notice).
2. MI and RU DDU. Monitor well for H<sub>2</sub>S. Install BOP'S.
3. Pick up 2 3/8" workstring and TIH to CIBP at 5368'. Mix and pump 10 SK premium (50% excess) plug on top of CIBP.
4. Pull to 5250' and circulate hole with Bentonite mud of at least 9 PPG. Premixed mud available from Baroid (505-325-1896).
5. Pull to 4512'. Mix and pump 35 SK premium (50% excess) balanced plug. Plug will extend from 4512' to above 4312' and will isolate the Hermosa formation. POOH.
6. MI and RU perforating company. Utilizing pack off, GIH with perforating gun and perforate 1460'-61'. Rig down perforating company. Establish circulation rate and pressure.
7. Pick up cement retainer and TIH. Set cement retainer at 1250'. Mix and pump 200 SX 65/35 poz followed with 95 SX premium (50% excess) so as to fill 5 1/2" x 8 5/8" annulus to surface and isolate chinle 1461' to 1250'.
8. POOH. Cut off casing at bottom of cellar or three feet below ground level whichever is deeper. TIH and set 10 SK premium plug from 50' to surface.
9. Erect P&A marker, fill cellar, clean and restore location to BLM specifications.

**CEMENT DATA:**

Premium: Class H  
15.8 ppg  
4.96 gal/sk  
1.16 ft<sup>3</sup>/sk

POZ: 65% Class B / 35% POZ & 6% Gel  
12.42 ppg  
9.51 gal/sk  
1.83 ft<sup>3</sup>/sk

WELLBORE DIAGRAM

COMPANY: Phillips Petroleum Company  
WELL: Ratherford Unit No. 21 W 41

DATE: 7-24-91

Location: NENE Sec. 21  
T41S, R24E  
San Juan County  
Utah

RKB Elev. 4597'  
GL Elev. 4586'  
RKB above GL 11'

Well Drilled 7/30/59  
Converted to Injector 2/25/64  
Temporarily Abandoned

← 13 3/8" 27.1# CSA 173'

← 8 5/8" 24# CSA 1355'

T.O.C. 4092' calc.  
Tubing: 1 jt bullplugged

Packer:

← CIBP @ 5368' placed 9/'90

Perforations: 5437-42'  
5450-64'  
5517-22'  
5524-28'

← PBTD 5637'

← 5 1/2" 14# & 15.5# CSA 5672'



**PHILLIPS PETROLEUM COMPANY**

FARMINGTON, NEW MEXICO 87401  
5525 HWY. 64 NBU 3004

November 30, 1992

Bureau of Land Management  
**ATTN: DON ELLSWORTH**  
1235 La Plata Highway  
Farmington, NM 87401

RE: Water Spill  
Ratherford Unit 21W41

*43-037-16426*

Dear Mr. Ellsworth:

Attached is the Report of Undesirable Events for the recent water spill at the Ratherford Unit 21W41, located in San Juan County, Utah. The spill was verbally reported to you on November 30, 1992.

If you have any questions or need further information, please contact me at (505) 599-3460.

Sincerely,

PHILLIPS PETROLEUM COMPANY

Ed Hasely  
Environmental Engineer

cc: R. G. Flesher r)file  
J. E. Stark  
P. J. Konkell  
D. Dillon  
BIA  
Navajo EPA - Arlene Luther  
Division of Oil, Gas, and Mining

blmde.ltr

RECEIVED

DEC 03 1992

DIVISION OF  
OIL GAS & MINING

RECEIVED

DEC 03 1992

REPORT OF UNDESIRABLE EVENT CHECKLIST

Page 1

NMSO 12/03/90 DIVISION OF OIL GAS & MINING

DATE OF OCCURRENCE/DISCOVERY: 11/27/92 TIME OF OCCURRENCE: 2 pm

DATE REPORTED TO BLM: 11/30/92 TIME REPORTED: 10 am Don Elsworth

BLM OFFICE REPORTED TO: (RESOURCE AREA/DISTRICT/OTHER): Farmington

LOCATION: 1/4 1/4 NE NE SEC. 21 T. 41S R. 24E MERIDIAN

COUNTY: San Juan STATE: Utah WELL NAME: Rutherford Unit 21W41

OPERATOR: NAME Phillips Petroleum PHONE NO: (505) 599-3460 CONTACT PERSONS NAME: Ed Hesely

SURFACE OWNER: Indian MINERAL OWNER: (FEDERAL/INDIAN/FEE/STATE)

LEASE NO. 14 20 603 355 UNIT NAME/CA NO. Rutherford Unit RIGHT-OF-WAY NO.:

TYPE OF EVENT, CIRCLE APPROPRIATE ITEM(S):

BLOWOUT, FIRE, FATALITY, INJURY, PROPERTY DAMAGE, OIL SPILL, SALTWATER SPILL, OIL AND SALTWATER SPILL, TOXIC FLUID SPILL, HAZARDOUS MATERIAL SPILL, UNCONTROLLED FLOW OF WELLBORE FLUIDS, OTHER (SPECIFY):

CAUSE OF EVENT: Leak near valve box on 4" cement lined pipe (Water injection line)

Hazmat notified: (for spills) - Law Enforcement notified: (for thefts) -

CAUSE AND EXTENT OF PERSONAL INJURIES/CAUSE OF DEATH(S): -

Safety Officer notified: -

EFFECTS OF EVENT: Water travelled approx one half mile. Average width of 10 feet.

ACTION TAKEN TO CONTROL EVENT: Shut in injection line. Put on a temporary patch. Will replace a section of cement lined pipe when materials arrive.

LENGTH OF TIME TO CONTROL EVENT: 15 min

SUBSEQUENT CLEAN-UP: Walked out length of spill - no standing water to pick up. Will monitor soil and vegetation and rake if necessary.

VOLUMES DISCHARGED: OIL-DISCHARGED - WATER-DISCHARGED 80 GAS - OIL-LOST - WATER-LOST 80

OTHER AGENCIES NOTIFIED: Navajo EPA NTLA

ACTION TAKEN OR TO BE TAKEN TO PREVENT RECURRENCE: Will replace section of line.

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.

3. Lease Designation and Serial No.  
14-20-603-355

6. If Indian, Allottee or Tribe Name  
Navajo Tribal A-21

7. If Unit or CA, Agreement Designation  
Ratherford Unit  
SW-I-4192

8. Well Name and No.  
Ratherford Unit #21W41

9. API Well No.  
43-037-16426

10. Field and Pool, or Exploratory Area  
Greater Aneth

11. County or Parish, State  
San Juan, Utah

SUBMIT IN TRIPLICATE

RECEIVED  
MAR 31 1993  
DIVISION OF  
OIL GAS & MINING

1. Type of Well  
 Oil Well  Gas Well  Other Water Injector

2. Name of Operator  
Phillips Petroleum Company

3. Address and Telephone No.  
5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE/NE Section 21, T41S, R24E  
660' FNL & 810' FEL

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

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

2-24-93 thru 2-25-93

MIRU Big A #31. ND WH & NU BOP. GIH w/2-7/8" tbg and tagged CIBP @ 5363'. RU Western & set tbg @ 5363'. PT CIBP to 500 psi & lines to 2500 psi - okay. Pmp'd plug #1 w/15 sx Class H Neat, 1.16 yield, 17.4 CF, 3 bbls slurry from 5362' to top of plug @ 5207'. POOH to 5207' & reverse circ tbg. Pmp'd plug #2 w/35 sx Class H Neat, 1.16 yield, 40.6 CF, 7.2 bbls slurry from 4509' to top of plug @ 4190'. POOH to 4190' & reverse circ tbg. RU Jet West & perf'd 1460'-61' w/4 spf (.56" diam). RU Western & break circ to surface @ 3 BPM @ 250 psi. RIH & set cmt retainer @ 1250'. Pmp'd plug #3 w/276 sx 65% Class B w/35% Poz & 6% gel @ 1.83 ft<sup>3</sup>/sk, 90 bbls slurry of lead cement w/tail cmt of 104 sx Class H Neat, 1.16 yield, 22 bbls slurry. Good cmt circ to surface. POOH to 223'. Pmp'd plug #4 w/46 sx Class H Neat, 1.16 yield, 9.5 bbls slurry. Good cmt to surface. POOH w/tbg. RD Western & ND BOP. Well P&A'd. (P&A witnessed by Ken Lingo w/EPA and Leonard Bixler w/BLM)

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

Signed L. E. Robinson Title Sr. Drlg. & Prod. Engr. Date 3-29-93  
T. P. Robinson  
(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

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

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

**RECEIVED**

AUG 16 1993

REPORT PERIOD (MONTH/YEAR):

6 / 93

DIVISION OF  
OIL, GAS & MINING

AMENDED REPORT  (Highlight Changes)

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

USMA  
8-18-93

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

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

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

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



# MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

*B. Sheffield*  
BRIAN BERRY  
~~M E P N A~~ MOBIL  
POB 219031 1807A RENTWYR F.O. DRAWER G  
DALLAS TX 75221-9031 CORTEZ, Co. 81321

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT  (Highlight Changes)

*\*931006 updated.  
Joe*

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

**RECEIVED**  
SEP 13 1993  
DIVISION OF OIL, GAS & MINING

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

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

Date: 9/5/93

Name and Signature: *L. B. Sheffield*

Telephone Number: *303.565.2212*  
*244.658.2528*

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.

*2.6. Ratherford Unit (GC)*

RECEIVED  
BLM

JUL 27 11:44

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

OFFICE 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 RIGHTS	
NO. 137	
DATE	
BY	
REMARKS	3 2
FILED	
GPS	
ALL SUPV.	
FILED	

Dear Mr. Cox:

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

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

Sincerely,

ACTING Area Director

Enclosure

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

RECEIVED  
BLM

DESIGNATION OF OPERATOR

JUN 27 11:44

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

070 FARMINGTON, NM

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

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

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

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

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

Attached hereto as Exhibit "A"

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

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

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

Attached is the appropriate documentation relevant to this document.

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

Phillips Petroleum Company

June 17, 1993

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

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

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

[Signature] 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

Division of Oil, Gas and Mining  
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

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

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

Other  
OPERATOR CHANGE

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

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

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

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

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

MEPNA-

PO DRAWER G

CORTEZ, CO 81321

(303) 565-2212

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

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

Routing:

1	<del>VLC/87-93</del>
2	<del>DPG/8-11-93</del>
3	VLC ✓
4	RJFY ✓
5	IEC ✓
6	PL ✓

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

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

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

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

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

Name: <b>**SEE ATTACHED**</b>	API: <u>4303716426</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

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

ENTITY REVIEW

- Yes 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)

- Yes/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.   
*DCS  
N-10-93*
- 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: 11.17 19 93.

FILING

- Yes 1. Copies of all attachments to this form have been filed in each well file.
- Yes 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.

---



---



---



---