

Converted to Water injection; started injecting 5-21-63

FILE NOTATIONS

Entered in N I D File ✓

Checked by Chief RLL

Entered On S R Sheet

Copy, N I D to Field Office

Location Map Pinned ✓

Approval Letter ✓

Card Indexed ✓

Disapproval Letter

I W R for State or Fee Land

COMPLETION DATA:

Date Well Completed 3-27-62

Location Inspected

OW ✓ WW TA

Bond released

GW OS PA

State of Fee Land

LOGS FILED

Driller's Log 4-2-62

Electric Logs (No.) 1

E I E-I GR GR-N Micro

Lat Mi-L Sonic Other Injection

W. A. Moncrief

copy 110-110
Budget Bureau No. 49-R350.4
Approval expires 12-31-60.

Form 9-331 b
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

X		
	3	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. 14-20-0603-6506

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)

January 23, 1962

Well No. 2-B is located 1980 ft. from N line and 1980 ft. from W line of sec. 3

SE/4 NW/4 Sec. 3 T-41-S R-24-E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Greater Aneth Area San Juan County, Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~ground level~~ ground level above sea level is 4433.2.

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)

This well to be drilled through the Desert Creek formation to an expected depth of 5,650 feet. The casing program will be 90 ft., more or less, of conductor, cemented to the surface, 1,200 ft., more or less, of 7 5/8" casing, cemented to the surface and 4 1/2" casing set through the pay and cemented with approximately 200 sacks. The pay section will be determined from radio-active logs and will be perforated.

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

Company W. A. Moncrief

Address Petroleum Bldg.,

Ninth at Commerce

Fort Worth 2, Texas

By Veta Weatherby
Title Veta Weatherby, Agent

B-2

COMPANY W. A. Moncrief

Well Name & No. **Navajo 2-B**

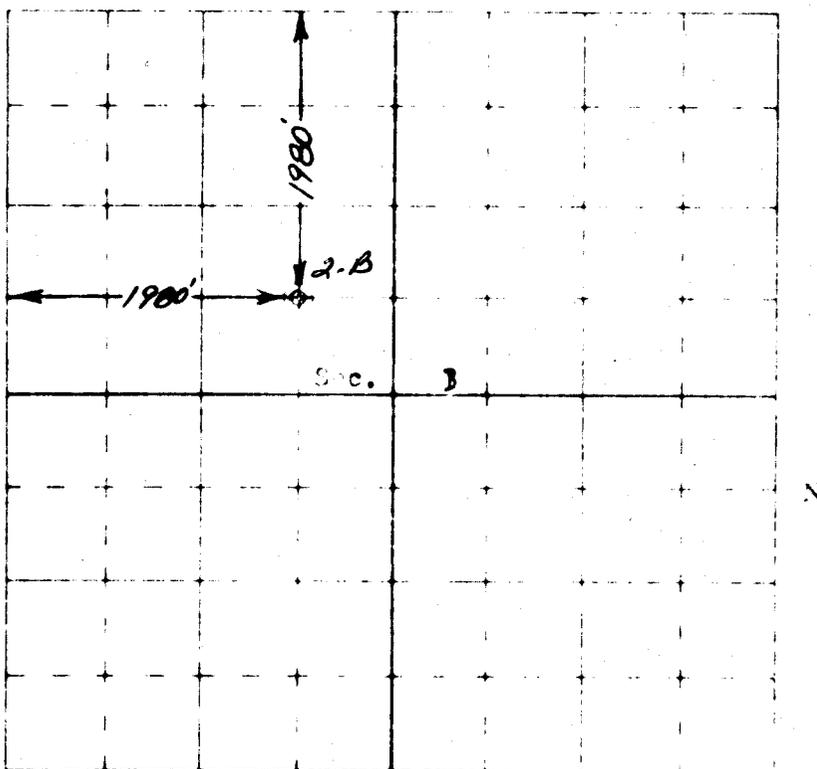
Lease No. **14-20-0603-6506**

Location 1980' FROM THE NORTH LINE & 1980' FROM THE WEST LINE

Being in center SE NW

Sec. 3 T 41 S, R 24 E, S.I.M., San Juan County, Utah

Ground Elevation 4422.2' ungraded ground



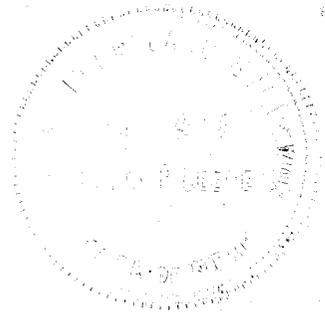
Scale 4 inches equals 1 mile

Surveyed 20 January 19 62

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

James H. [Signature]

Registered Land Surveyor
JAMES H. [Name]
Utah Reg. No. 1472



SAN JUAN ENGINEERING CO. CARMINGTON, NEW MEXICO
DENVER, COLORADO

KELLER AND PETERSON

PETROLEUM CONSULTANTS

*Petroleum and Geological Engineering Property Appraisals**Reserve Estimates Reservoir Analysis*

PETROLEUM BUILDING

NINTH AT COMMERCE

FORT WORTH, TEXAS

January 23, 1962

Mr. Cleon B. Feight, Director
Utah Oil Conservation Commission
310 Newhouse
10 Exchange Place
Salt Lake City, Utah

Re: Locations - Moncrief-Navajo
"A" and "B" Leases, Aneth Field

Dear Mr. Feight:

We are herewith attaching notices concerning the development of the Moncrief-Navajo "A" and "B" Leases, these leases being the NE/4 and the NW/4 of Section 3, respectively, of T-41-S, R-24-E, San Juan County, Utah, all located in the Greater Aneth Area. We would like to comment briefly on these locations as they are staked:

The San Juan River flows across these two leases. The river has a wide bed at this location and it comes on the lease at about the SE corner of the NE/4, flows north across the middle of the NE/4 and then turns west through about the center portion of the NW/4 of Section 3. In this locality the river bed is wide with a large swampy area and in some places has three channels with running water. The locations as staked are all within the 160' tolerance except "A" No. 2 and this well location at its regular location would be at the water's edge. These properties are included in the Ratherford Unit and the location of these wells have been discussed with the unit operator and it is believed that these locations are in the best interests of all concerned.

1. Navajo "A" No. 1 - This location is staked 2,110' from the north line and 1,980' from the west line of Section 3, thereby locating the well 130' south of the center of

Mr. Cleon B. Feight, Director
January 23, 1962
Page 2

the SW/4 of the NE/4. This location was moved 130' south in order to have sufficient room for the drilling equipment near this river bed location.

2. Navajo "A" No. 2 - This location is staked 820' from the north line and 820' from the east line of the NE of the NE/4 of Section 3. A regular location for this well at the center of the quarter section falls on the river bed, and the amended location will allow for a better location for drilling and completion, but it still is well out into the swampy flood plane which stands water.

3. Navajo "B" No. 1 - This location is staked 2,100' from the north line and 660' from the west line, which places it 160' south of the river bank where there will be ample space for drilling equipment.

4. Navajo "B" No. 2 - This well is staked at the center of the SE of the NW/4, or 1,980' from the north line and 1,980' from the west line of Section 3. This location was moved off pattern of the NE of the NW/4 since the location in the NE/4 of the NW/4 would be within 50' of the channel and 700' out in the low, swampy area comprising the river bed at this point. The unit operator and members of the Ratherford Unit have been polled and they are agreeable to this change in location.

We would appreciate your early attention and approval of these locations inasmuch as we are anxious to start development on these properties at an early date. These stakes are in place and if you have any questions regarding them or would like to look at them on the ground, I will be glad to have a man meet with you in the field.

Yours very truly,
W. A. Moncrief
~~KELLER AND PETERSON~~

By 
L. F. Peterson

LFP:jh

cc: Mr. Philip T. McGrath, U.S. Geological Survey
Mr. Shofner Smith, Phillips Petroleum Company
Mr. W. A. Moncrief

January 26, 1962

W. A. Moncrief
Petroleum Building
Ninth at Commerce
Fort Worth 2, Texas

Attn: Veta Weatherby, Agent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo 2-B, which is to be located 1980 feet from the north line and 1980 feet from the west line of Section 3, 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 on said unorthodox location is hereby granted in accordance with Rule C-3 (c), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

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

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE DIRECTOR

CBF:kp

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

H. L. Coonts - OGCC, Moab

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

	3	X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Navajo

Lease No. 14-20-0603-6506

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.....	X	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.....	X	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)

March 9, 1962

Well No. 2-B is located 1980 ft. from (N) line and 1980 ft. from (W) line of sec. 3

SE/4 NW/4 Sec. 3 T-41-S R-24-E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Greater Aneth Area San Juan County, Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4433.2 ft. ground level

DETAILS OF WORK

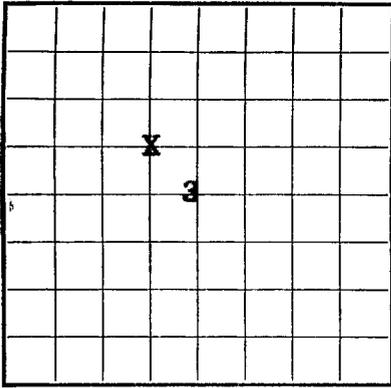
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spud 8:00 PM March 5, 1962. Ran 10 3/4" 32.75# conductor set at 95 feet and cemented w/90 sacks regular 2% c.c. Plug down at 4:45 AM 3-6-62. March 6th: WOC = 1,300'.

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

Company W. A. Moncriel
Address Petroleum Bldg.,
Ninth at Commerce
Fort Worth 2, Texas
By Veta Weatherby
Title Veta Weatherby, Agent

U. S. LAND OFFICE Navajo
SERIAL NUMBER 14-20-0603-6506
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company W. A. Moncrief Address Petroleum Bldg., 9th @ Commerce, Fort Worth 2, Texas
Lessor or Tract Navajo Field Ratherford State Utah
Well No. 2-B Sec. 3 T. 41S R. 24E Meridian SLBM County San Juan
Location 1980 ft. XXX of N. Line and 1980 ft. XXX of W. Line of 3 Elevation 4453
(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 March 29, 1962 Title Agent

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

Commenced drilling March 5, 19 62 Finished drilling March 24, 19 62

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5,359 to 5,449 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 550 to 910 No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10-3/4</u>	<u>38.75</u>		<u>H40</u>	<u>95</u>	<u>Halliburton</u>				
<u>7-5/8</u>	<u>24</u>		<u>H40</u>	<u>1,300</u>	<u>Halliburton</u>				
<u>4-1/2</u>	<u>19.5</u>		<u>J35</u>	<u>5,449</u>	<u>Halliburton</u>	<u>5865</u>	<u>5877</u>		<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>91</u>	<u>90 sx + 2% ca. cl.</u>	<u>Pump</u>		
<u>7-5/8</u>	<u>1,300</u>	<u>600 sx + 2% ca. cl.</u>	<u>Pump</u>		
<u>4-1/2</u>	<u>5,449</u>	<u>130 sx neat + 70 sx latex</u>	<u>Pump</u>		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

FOLD MARK

Adapters ~~1714~~ ~~1714~~

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 5,450 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ Put to producing March 27, 1962

The production for the first 24 hours was 514 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment.

Gravity, ^{°Bé} ~~22x~~ 40° API

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
550	910	360	Navajo
910	950	40	Kayenti
950	1,340	390	Wingate
1,340	2,280		Chinle
2,280	2,450		Hoskinnini
2,450	2,600	150	DeChelly
2,600	4,400		Organ Rock
4,400	5,190		Hermosa
5,190	5,359		Ismay
5,359	5,449 TD		Desert Creek

[Handwritten mark]

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

X	3		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Navajo

Lease No. 14-20-0603-6506

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

April 3, 1962

Well No. 2-B is located 1980 ft. from N line and 1980 ft. from XIX line of sec. 3

SE/4 NW/4 Sec. 3 T-41-S R-24-E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Ratherford San Juan County, Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4450 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)

March 7, 1962: Ran 1,303.90' of 24# H-40 (7 5/8") casing, set at 1,300 ft. and cemented w/500 sx pozmix and 100 sx neat plus 2% Ca.Cl. Water Shut-off.

March 24, 1962: Ran 5,451' 4 1/2" 10.5# J-55 casing and set at 5,449ft. Cemented w/130 sx neat + 2% ca. cl. and 70 sx latex.

Oil string perforated 5,365 - 5,377 w/4 shots per ft. Acidized w/500 gal. breakdown acid and 3,000 gal. retarded. Completed March 27, 1962.

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

Company W. A. Moncrief

Address Petroleum Bldg.,

Ninth at Commerce

Fort Worth 2, Texas

By Veta Weatherly

Title Veta Weatherly, Agent

PHILLIPS PETROLEUM COMPANY

P. O. Drawer 1150
Cortez, Colorado

May 1, 1962

210 Newman Building
Salt Lake City, Utah

Attention: Mr. Leon L. Beight

Dear Sirs:

This is to advise that Phillips Petroleum Company took over operations of the following oil wells at 7:00 A.M. May 1, 1962, as an additional portion of the Ratherford Unit Participating Area.

<u>Company</u>	<u>Lease & Well No.</u>	<u>Location - San Juan County, Utah</u>
W. A. Moncrief	Navajo A-1	SW/4, NE/4, Sec. 3-41S-24E
W. A. Moncrief	Navajo B-2	SE/4, NW/4, Sec. 3-41S-24E

No oil or gas sales have been made from these wells. They were proven productive in test tanks after acidizing, the tubing pulled and wells shut in pending approval to be taken into the Ratherford Unit.

In accord with the present well numbering system of the Ratherford Unit, the above wells will be re-numbered as follows:

<u>New Lease and Well No.</u>	<u>Former Lease and Well No.</u>
Ratherford Unit 3-32	W. A. Moncrief Navajo A-1
Ratherford Unit 3-22	W. A. Moncrief Navajo B-2

Sincerely yours,
PHILLIPS PETROLEUM COMPANY

C. M. Boles
C. M. Boles
District Superintendent

HGC:bh



PHILLIPS PETROLEUM COMPANY

P. O. Drawer 1150
Cortez, Colorado

May 23, 1963

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

Attention: Mr. [Name] [Address]

Dear Sirs:

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

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

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

Yours very truly,

PHILLIPS PETROLEUM COMPANY

C. M. Boles
District Superintendent

HGC/bh

Copy H.C.E.

2

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo

Allottee Tribal

Lease No. 14-20-0103-6506

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	
Convert Oil well to Water Injection I	

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

Subg.

Cortez, Colorado June 12 1963

Ratherford Unit (Formerly W. A. Moncrief Navajo 2-B & Phillips' Ratherford Unit 3-22)

Well No. 3W22 is located 1900 ft. from N line and 1900 ft. from E line of sec. 3

SE NW Sec. 3 41S 24E 10DM

(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Greater Aneth San Juan County Utah

(Field) (County or Subdivision) (State or Territory)

ground

The elevation of the ~~down-hole~~ above sea level is 4443 ft.

DETAILS OF WORK

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

Converted well to water injection (5-17-63 through 5-22-63). Moved in well service unit, pulled rods and tubing. Ran 2" tubing with Marlex liner and Tension packer, set at 5320.62' FKB. Hooked up for water injection, started injecting water 5-21-63. Changed well classification from oil well to Water Injection well and name from 3-22 to 3W22. Previous Production test: 24 hrs pumping, 34 BO, 16 MCF Gas, 0 BW. Present: Injected 644 BW in 24 hours at 1200%.

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

Company PHILLIPS PETROLEUM CO.

Address P. O. Drawer 1150
Cortez, Colorado

By *C. H. Boles*
C. H. Boles
District Superintendent

Title _____

H.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN T.
(Other instruct.
verse side)

5. LEASE DESIGNATION AND SERIAL NO.

14-20-0603-6506

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

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

Rutherford Unit

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

3W22

10. FIELD AND POOL, OR WILDCAT

Greater Aneth Field

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

Sec. 3-41S-24E, SLBM

12. COUNTY OR PARISH

San Juan Co.

13. STATE

Utah

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

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P. O. Drawer 1150, Cortez, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
SE NW Sec. 3 1980' from North line and 1980' from West line of Sec. 3

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4453 DF

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"/>	

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

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

Acidize water injection well with 1500 gals. reg. acid to increase injection rate.

Present Injection Rate: 277 BWPD at 2650#.

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

SIGNED *[Signature]*

TITLE Area Superintendent

DATE 3-27-66

(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
(Other instr.
verse side)

CATEGORY
or re-

5. LEASE DESIGNATION AND SERIAL NO.
14-20-0603-6506

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Rutherford Unit

9. WELL NO.
3022

10. FIELD AND POOL, OR WILDCAT
Greater Aneth Field

11. SEC., T., R., M., OR BLK. AND
SUBMERSE
Sec. 3, T. 13 N., R. 24 E., S. 16 M.

12. COUNTY OR PARISH
San Juan Co.
13. STATE
Utah

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

2. NAME OF OPERATOR
Phillips Petroleum

3. ADDRESS OF OPERATOR
P. O. Drawer 1150, Cortez, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
SE NW Sec. 3 1980' from North line and 1980' from West line of Sec. 3, 41S-24E, San Juan County, Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4453DF

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

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

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

On 2-20-64 acidized Desert Creek with 1500 gallons regular acid. Backflowed well, hooked up and started injecting water.

Previous Injection Rate from Greater Aneth - Paradox, Desert Creek Zone:

Injected 277 BW in 24 hours at 2650#.

Present Injection Rate from Greater Aneth - Paradox, Desert Creek Zone:

Injected 295 BW in 24 hrs at 2400#.

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

SIGNED

C. M. Bolus

TITLE

**C. M. Bolus
Area Superintendent**

DATE

3-5-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	10-3/4"	95'	90	Surface	Returns
Intermediate	7-5/8"	1300'	600	Surface	Returns
Production	4-1/2"	5449'	200	4688.5	Calculated
Tubing	2"	5320.62'	Name - Type - Depth of Tubing Packer Baker model A Pk @ 5320.62		
Total Depth 5449'	Geologic Name - Inj. Zone Desert Creek I	Depth - Top of Inj. Interval 5365'	Depth - Base of Inj. Interval 5377'		

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 CORPORATION X
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE 3W22 WELL
 SEC. 3 TWP. 41S RANGE 24E
SAN JUAN COUNTY, UTAH

CAUSE NO. C-3(B)

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

APPLICATION

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

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

Lease Name <u>Ratherford Unit</u>	Well No. <u>3W22</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>3W22</u> Sec. <u>3</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 type="checkbox"/> No <input checked="" type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate 1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	State What <u>Oil & Gas</u>	
Location of Injection Source(s) <u>Desert Creek Paradox I & 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>5365</u> to <u>5377</u>		
a. Top of the Perforated Interval: <u>5365'</u>	b. Base of Fresh Water: <u>1550'</u>	c. Intervening Thickness (a minus b) <u>3815</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 SD 5/1/76 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.

Sustained and sworn to before me this 21st day of October, 19 83
 DONALD L. HUDSON
 Notary Public
 County of Natrona State of Wyoming
 My commission expires Nov 3 1984

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

(OVER)

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips Well No. Phillips Unit 3W22
 County: San Juan T 41S R 24E Sec. 3 API# 43-037-16387
 New Well Conversion Disposal Well Enhanced Recovery Well

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

Fluid Source

Desert Creek

Analysis of Injection Fluid Yes _____ No _____ TDS 85655

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

Known USDW in area None Depth 1550

Number of wells in area of review 4 Prod. 3 P&A 0

Water 0 Inj. 1

Aquifer Exemption Yes _____ NA ✓

Mechanical Integrity Test Yes _____ No ✓

Date _____ Type _____

Comments: TOC 4688

Reviewed by: CMJ

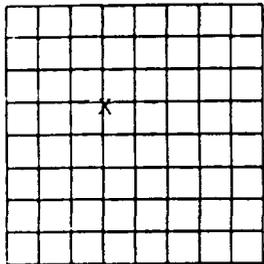
(To be filed within 30 days after drilling is completed) 14-20-603-6506

COMPLETION & TEST DATA BY PRODUCING FORMATION

DEPARTMENT OF NATURAL RESOURCES AND ENERGY
API NO. 43-037-16387

LEASE NO.

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



COUNTY San Juan SEC. 3 TWP. 41S RGE. 24E
COMPANY OPERATING Phillips Petroleum Company
OFFICE ADDRESS P.O. Box 2920
TOWN Casper STATE ZIP Wyoming 82602
FARM NAME _____ WELL NO. 3W22
DRILLING STARTED 3-5 19 62 DRILLING FINISHED 3-24 19 62
DATE OF FIRST PRODUCTION 3-27-62 COMPLETED 3-26-62
WELL LOCATED SE $\frac{1}{4}$ NW $\frac{1}{4}$ _____ $\frac{1}{4}$ _____
1980 FT. FROM SW OF $\frac{1}{4}$ SEC. & 1980 FT. FROM EL OF $\frac{1}{4}$ SEC.
ELEVATION 4453' GROUND 4442'

TYPE COMPLETION

Single Zone X
Multiple Zone _____
Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Desert Creek I	5359	5449			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
10-3/4"	32.75#	H-40	95	No Rec.	90		Surface
7-5/8"	24#	H-40	1300	No Rec.	600		Surface
4-1/2"	10.5#	J-55	5449	No Rec.	200	<u>760.5</u> <u>4688.5</u>	

TOTAL DEPTH 5449'

PACKERS SET DEPTH Baker Model A @ 5320.62'

NOTE THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-4

FORMATION	Desert Creek I		
SPACING & SPACING ORDER NO.	40 acre Cause #C-3(B)		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	5365-5377'		
INTERVALS			
ACIDIZED?	2/20/64 1500 gal Acid		
FRACTURE TREATED?	No		

INITIAL TEST DATA

Converted to Injector 5/22/63

Date	5/22/63		
Oil, bbl./day	--		
Oil Gravity	--		
Gas, Cu. Ft./day	--	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	--		
Water-Bbl./day	644		
Pumping or Flowing	Pumping		
CHOKE SIZE	--		
FLOW TUBING PRESSURE	1200#		

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

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

Telephone 307-237-3791 A.E. Stuart, Area Manager
Name and title of representative of company

Subscribed and sworn before me this _____ day of _____ 19 83

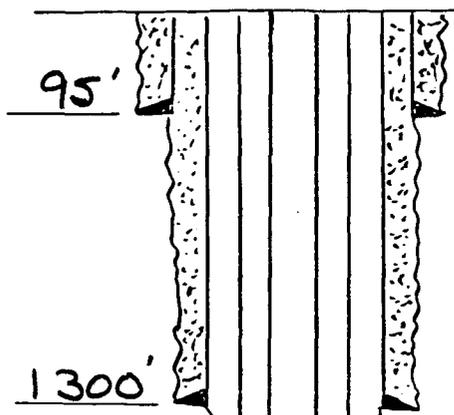
SEP 22 83

Casper

WELL: 3W22
LOCATION: SENW Ser 3+ T41S-R24E
FIELD: GREATER ANETH
RESERVOIR: Desert Creek I

W. I. COMPLETION: 5.22.63
PRESENT STATUS: S.I.

RKB 4453'
GL 4442'



SURFACE CASING: 10 3/4" 32.75#
H-40

INTERMEDIATE CASING: 7 5/8"
24# H-40

PRODUCTION CASING: 4 1/2" 10.5#
J-55

PERFORATIONS:
5365-5377

PACKER: Baker "A"
Tension Pkr @ 5320.62'
Tubing: 2" @ 5320.62'

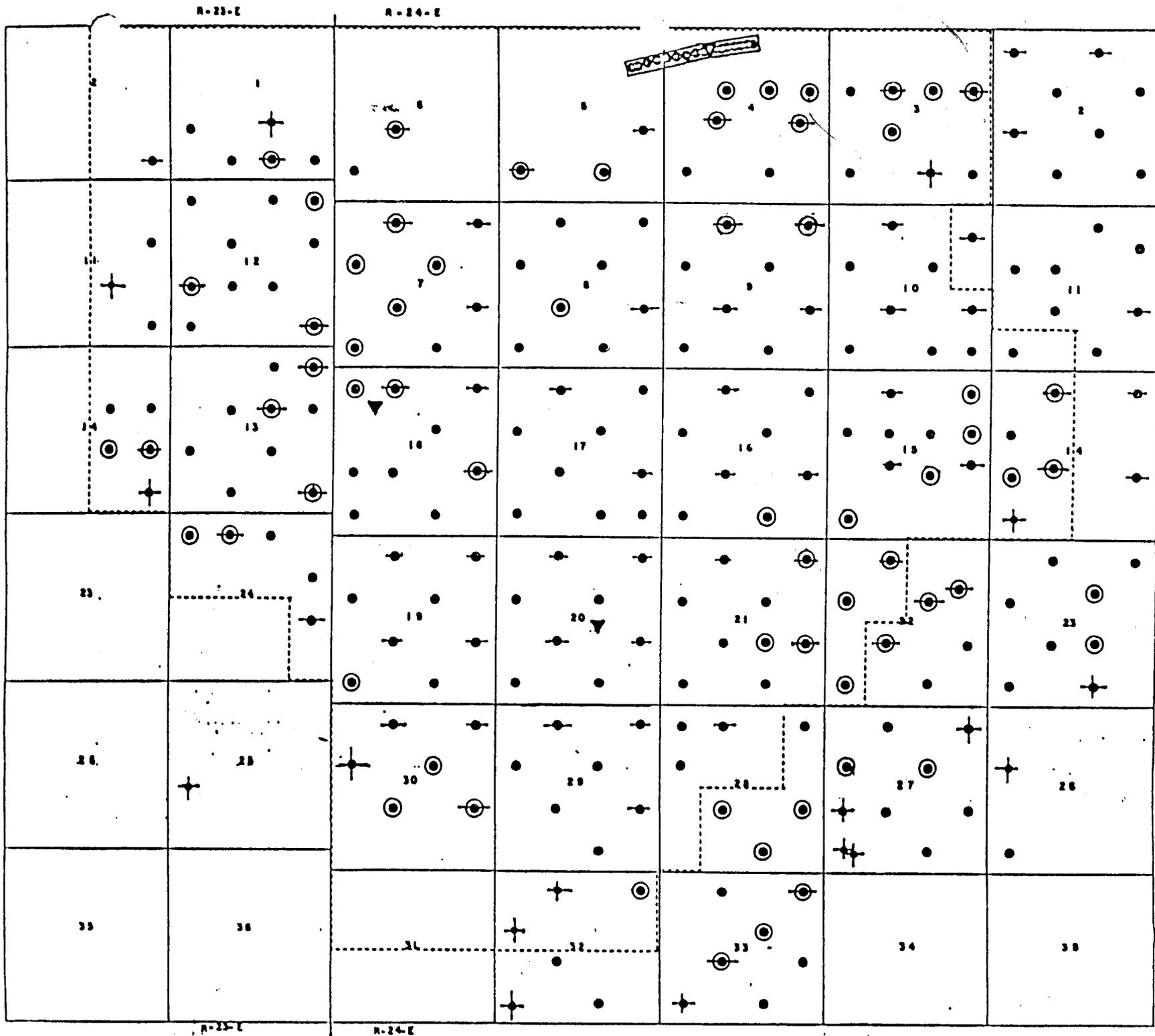
5320.62'

5365' - 5377'

PBTD: 5449'
OTD: —

5449'

Phillips Petroleum Company



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

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

WTE INJECTION WELL

CL1-12A (REV. 1964)

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

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

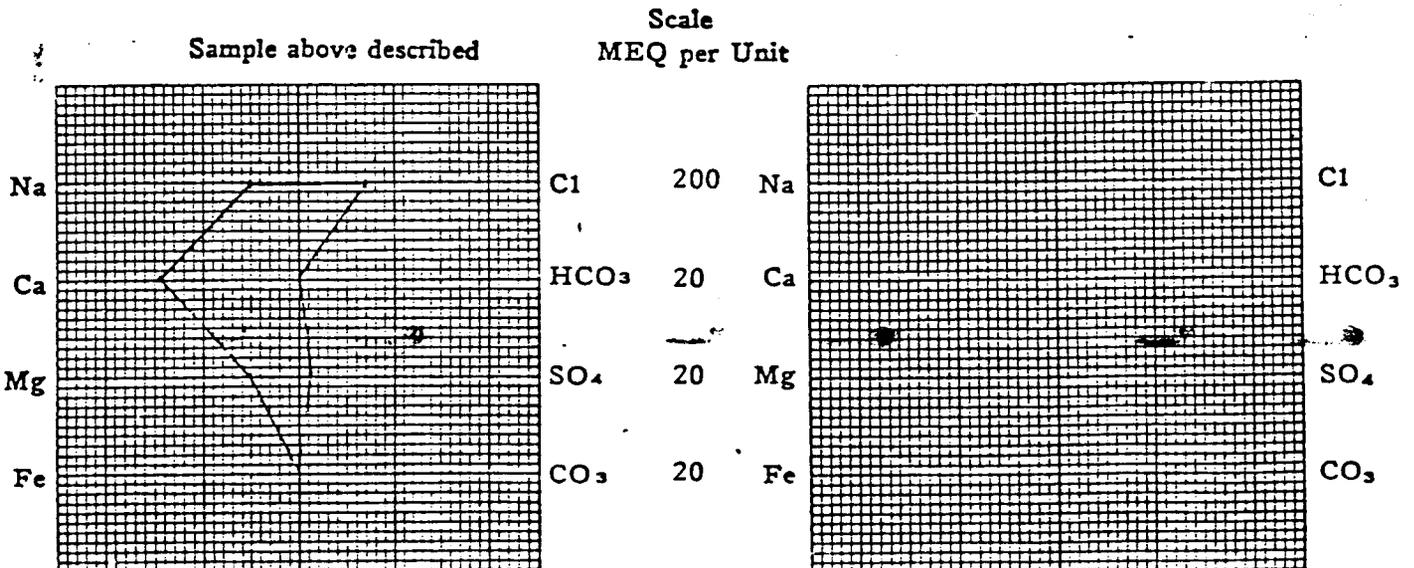
REMARKS & CONCLUSIONS: Specific gravity @68°F ----- 1.0646
 Oil and grease, mg/l ----- 2.5
 Aluminum (Al), mg/l ----- 0.90
 Iron (Fe), mg/l ----- 0.3
 Total Sulfides, mg/l ----- ND(0.1)

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

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

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

WATER ANALYSIS PATTERN



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

CL1-12A (REV. 1964).

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

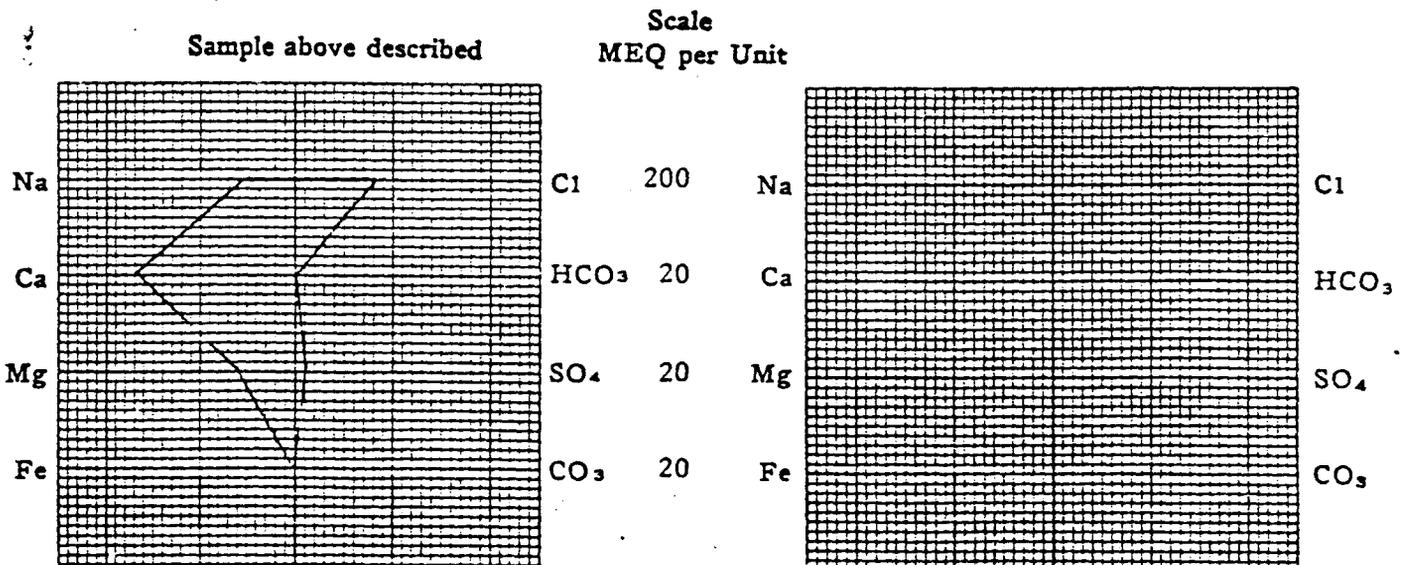
OPERATOR <u>Phillips Petroleum Company</u>	DATE <u>7-22-83</u>	LAB NO. <u>W30636</u>
WELL NO. <u>Ratherford Unit</u>	LOCATION _____	
FIELD _____	FORMATION _____	
COUNTY <u>San Juan</u>	INTERVAL _____	
STATE <u>Utah</u>	SAMPLE FROM <u>Battery #1 Free water knockout</u>	
	<u>(7-5-83) @ 10:35</u>	
	<u>S/N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

REMARKS & CONCLUSIONS: _____

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

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

WATER ANALYSIS PATTERN



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

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

OPERATOR: Phillips Petroleum

FIELD: Greater Aneth LEASE: Ratherford

WELL # 3 W 22 SEC. 3 TOWNSHIP 41S RANGE 24E

STATE FED. FEE DEPTH 5449 TYPE WELL INJW MAX. INJ. PRESS. _____

SI 5/11/76

TEST DATE 6/17/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>10³/₄</u>	<u>95'</u>	<u>90</u>		<u>SE</u>	
<u>INTERMEDIATE</u>	<u>7⁵/₈</u>	<u>1300'</u>	<u>600</u>			
<u>PRODUCTION</u>	<u>4¹/₂</u>	<u>5449'</u>	<u>200</u>			
<u>TUBING</u>	<u>2"</u>	<u>5320</u>	<u>Baker Model A C 5320</u>			

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

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

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

SUBMIT BY TRIP
(Other methods cover date)
DATE: _____

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

4. LEASE OPERATOR AND OFFICE NO.
14-20-603-6506

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF OTHER, CLASSIFY ON OTHER FORM
Navajo

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

7. OTHER IDENTIFY NAME
SW-I-4192

2. NAME OF OPERATOR
Phillips Oil Company

8. NAME OF LEASE NAME
Rutherford Unit

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

9. WELL NO.
3W22

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

1980' FNL and 1980' FWL
Sec 3-T41S-R24E

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

11. SEC., T., R., S., OR BLM, AND COUNTY OR AREA
3-41S-24E SLBM

14. PERMIT NO.
43-037-16387

15. ELEVATIONS (Show whether sv, sv, or, etc.)
4453' DF

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
FRACTURE TREAT
SHOOT OR ACIDISE
REPAIR WELL
(Other)

PLUG OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

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

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

See Attachment for Well Data, Justification and Proposed Operation.

RECEIVED

JUL 11 1985

DIVISION OF OIL
GAS & MINING

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, 318B-TRW
- 1-J. R. Weichbrodt
- 1-C. M. Anderson
- 1-File RC

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

SIGNED A. E. Stuart

TITLE Area Manager

DATE July 8, 1985

(This space for Federal or State office use)

APPROVED BY eleon B Feight

TITLE U.L. Manager

DATE 7/15/85

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Rutherford Unit 3W22

7-8-85 ZS

Item 17

Well Data:

10-3/4" csg @ 91' w/90 sx cmt
7-5/8" csg @ 1300' w/600 sx cmt
4-1/2" csg @ 5449' w/200 sx cmt
Perfs @ 5377'-5365'
Formation Tops: DeChelly @ 2,450'
 Hermosa @ 4,400'
 Desert Creek @ 5,359'
TD: 5,450'

Justification:

Well does not have economical use as an injection well and has no recompletion or stimulation potential.

Proposed Operation:

- 1) Sqz perfs w/50 sx cmt. TOC @ 5,200'.
- 2) Spot 25 sx cmt in 4-1/2" csg from 4,600' to 4,400' across Hermosa Fm.
- 3) Perf 4-1/2" csg @ 2,700'. (50' below DeChelly)
- 4) Pump 100 sx cmt to provide 350' balanced plug in annulus and in 4-1/2" csg from 2,700' to 2,350' to isolate the DeChelly Fm.
- 5) Perf 4-1/2" csg @ 1350' (50' below surf csg).
- 6) Pump 50 sx cmt to provide 150' balanced plug in annulus and in 4-1/2" csg from 1350' to 1200' to provide plug across 7-5/8" csg shoe.
- 7) Pump through tbg, 30 sx cmt in annulus and in 4-1/2" csg to provide 100' plug to surf.
- 8) Install P&A marker unless surface owner requests otherwise and rehab surface.
- 9) Will use mud-laden fluid between all cmt plugs.

cb
ZGS/fb (17)
Casper-RC

RECEIVED

JUL 11 1985

DIVISION OF OIL
GAS & MINING

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(Other instructions on reverse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-6506

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT ASSIGNMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

3W22

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec 3-T41S-R24E SLBM

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER Water Injection

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
1980' FNL and 1980' FWL
Sec. 3-T41S-R24E

14. PERMIT NO.
43-037-16387

15. ELEVATIONS (Show whether DF, ST, GR, etc.)
4453' DF

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(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.)*

Well was plugged August 25, 1986. See Attachment for Well Data and Summary of Completed Operations.

RECEIVED
SEP 05 1986

DIVISION OF
OIL, GAS & MINING

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

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

SIGNED D. C. Gill TITLE Area Manager DATE August 29, 1986

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ ACCEPTED BY THE STATE

CONDITIONS OF APPROVAL, IF ANY:

OF UTAH DIVISION OF
OIL, GAS, AND MINING

*See Instructions on Reverse Side

DATE: 9-8-86
BY: John R. Bay

Ratherford Unit 3W22

Item 17

Well Data:

10-3/4" csg @ 91' w/ 90 sx cmt

7-5/8" csg @ 1300' w/600 sx cmt

4-1/2" csg @ 5449' w/200 sx cmt

No casing was recovered.

Perfs @ 5377'-5365'

Formation Tops: DeChelly @ 2,450'

Hermosa @ 4,400'

Desert Creek @ 5,359'

TD: 5,450'

Completed Operations:

- 1) Unscrewed from packer at 5320' as packer would not release.
- 2) Set 4-1/2" Halliburton EZSV cement retainer at 5197'.
- 3) Unable to pump into formation at 3600 psi.
- 4) Spotted a 100' cement plug (7 sacks cement) on retainer.
TOC at 5097'.
- 5) Spotted a 300' cement plug (25 sacks cement) in 4-1/2" casing from 4605' to 4300' to isolate the Hermosa formation.
- 6) Perfed 4-1/2" casing at 2700'. Unable to pump through perfs at 2500 psi.
- 7) Spotted a 300' cement plug (25 sacks cement) in 4-1/2" casing from 2703' to 2400' to isolate the DeChelly formation.
- 8) Spotted 1353' cement plug (208 sacks cement) in 4-1/2" casing and 4-1/2" x 7-5/8" annulus from 1353' to surface by pumping cement down 4-1/2" casing, out perfs at 1353' and up annulus.
- 9) Cut 4-1/2" and 7-7/8" casings off 5' below GL. Welded 3/8" plate on 7-7/8" casing and installed permanent monument.
- 10) Cleaned up location.