

Converted to water injection well -

FILE NOTATIONS

Entered in NID File _____ ✓
 Entered On S R Sheet _____
 Location Map Pinned _____ ✓
 Card Indexed _____ ✓
 IWR for State or Fee Land _____

Checked by Chief _____ *RLL*
 Copy NID to Field Office _____ ✓
 Approval Letter _____ ✓
 Disapproval Letter _____

Location change

COMPLETION DATA:

Date Well Completed *5-8-62*
 OW WW _____ TA _____
 GW _____ OS _____ PA _____

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log *5-21-62*

Electric Logs (No.) *1*

E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____
 Lat _____ Mi-L _____ Sonic _____ Others *Gamma*

Utah - agree

Copy to HC
Budget Bureau No. 42-E359.4
Approval expires 12-31-60.

Form 9-331 b
(April 1952)

(SUBMIT IN TRIPPLICATE)

Indian Agency Navajo

			X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. 14-20-0603-6305

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-A is located 820 ft. from N line and 820 ft. from E line of sec. 3
NE/4 NE/4 Sec. 3 T-41-S R-24-E SLM
(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 ~~datum~~ above sea level is 4427 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)

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 as determined from radio-active logs 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. Menorief
Address Petroleum Bldg.,
Ninth at Commerce
Fort Worth 2, Texas

By *Veta Weatherby*
Title Veta Weatherby, Agent

A-2

COMPANY W. A. MONCRIEF

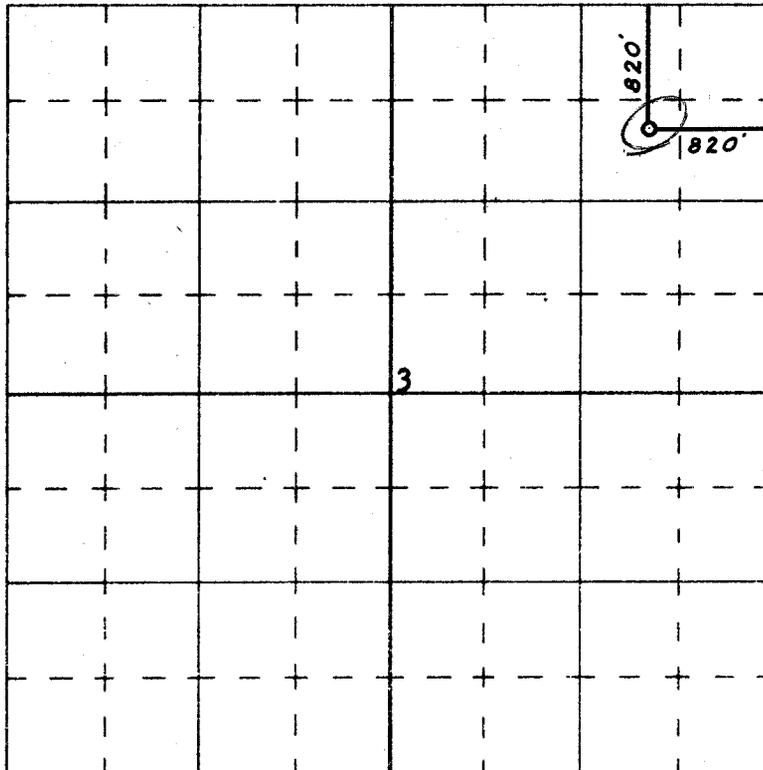
Well Name & No. Navajo 2-A Lease No. 14-20-0603-6505

Location 820' FROM THE NORTH LINE AND 820' FROM THE EAST LINE.

Being in NE $\frac{1}{4}$ NE $\frac{1}{4}$

Sec. 3, T 41 S, R 24 E, S.L.M., SAN JUAN COUNTY, UTAH

Ground Elevation 4427.0 UNGRADED.



Scale — 4 inches equals 1 mile

Surveyed 19 September, 19 61

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



James P. Leese
 Registered Land Surveyor.
 James P. Leese
 Utah Reg. No. 1472

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 ^{amended} notice of intention to drill Well No. Navajo 2-A, which is to be located ⁸²⁰ 820 feet from the north line and 820 feet from the east 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 is hereby granted.

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. FREIGHT,
EXECUTIVE DIRECTOR

CBF:kpb

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

H. L. Coonts - OGCC, Moab

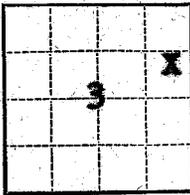
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Navajo

Lease No. 14-20-0603-6505



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)

February 23, 1962

Well No. 2-A is located 1980 ft. from [N] line and 660 ft. from [E] line of sec. 3

SE/4 NE/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 ~~water table~~ ground above sea level is 4427 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)

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 as determined from radio-active logs 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. Noncrief

Address Petroleum Bldg.,

Ninth at Commerce

Fort Worth 2, Texas

By [Signature]

Title Veta Weatherby, Agent

COMPANY **W. A. Moncrief**

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

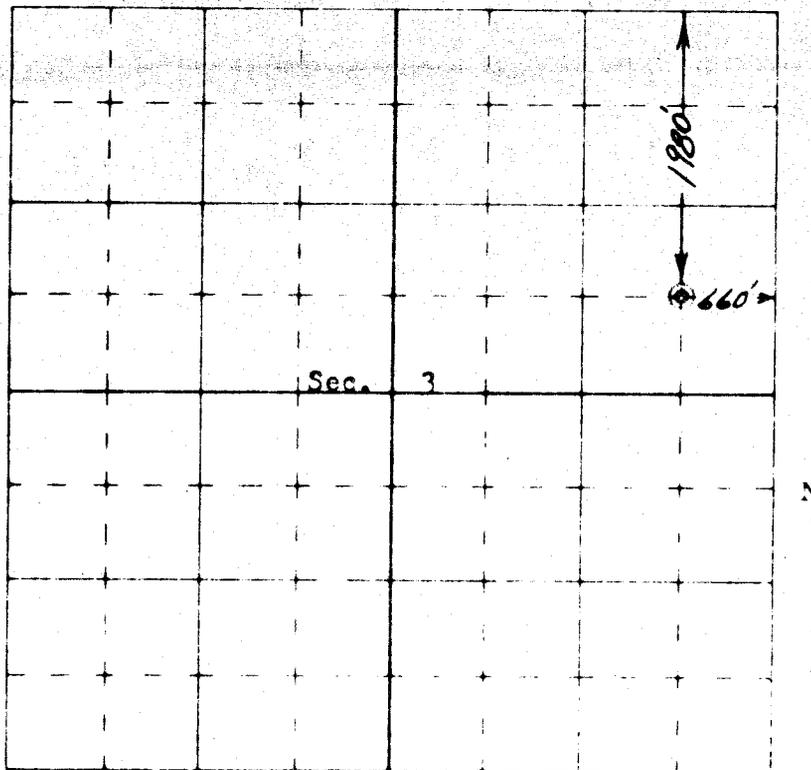
Lease No. **14-20-0603-6505**

Location **1980' FROM THE NORTH LINE & 660' FROM THE EAST LINE**

Being in center SE NE

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

Ground Elevation **4427.4'** ungraded ground



Scale **4 inches equals 1 mile**

Surveyed **14 February**

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.

Registered Land Surveyor.
James P. Leese
Utah Reg. No. 1472



W. A. MONCRIEF

OIL PRODUCER

PETROLEUM BUILDING
NINTH AT COMMERCE
FORT WORTH, TEXAS

TELEPHONE EDISON 6-7232

February 23, 1962

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

Re: Location - Moncrief- Navajo "A"
Lease, Greater Aneth Field

Dear Mr. Feight:

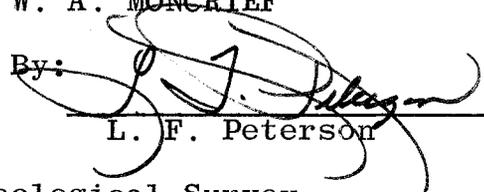
Kindly refer to our letter of January 23, 1962 regarding our four locations on the Navajo "A" and "B" leases, San Juan County, Utah. Subsequent to our letter and your approval of these locations we were requested by the three unit operators, namely; Superior Oil Company (McElmo Creek Unit), Texaco, Inc. (Aneth Unit) and Phillips Petroleum Company (Ratherford Unit) to relocate our Navajo "A"-2, 1980 feet from the north line and 660 feet from the east line of the northeast quarter of section 3, which locates the well in the center of the southeast quarter of the northeast quarter of the section. We are herewith attaching our corrected surveyor's plats for this amended location.

This amended location was requested by the unit operators in order to provide a more uniform pattern of producing and injection wells in the boundary area of these three operating units.

We would appreciate your early attention and approval of this amended location so that we can accomplish the necessary preparations to drill the well. The stake is in place for this well, and if you have any questions regarding the matter kindly call me.

Yours very truly,

W. A. MONCRIEF

By: 

L. F. Peterson

LFP:aw

cc: Mr. Philip T. McGrath, U. S. Geological Survey
Mr. E. F. Lewis, Phillips Petroleum Company
Mr. E. R. Filley, Texaco, Inc.
Mr. W. H. Fraser, Superior Oil Company

February 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 amended notice of intention to drill Well No. Navajo 2-A, which is to be located 1980 feet from the north line and 660 feet from the east 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: kpb

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

H. L. Coonts, - OGCC, Moab

WESTERN UNION
TELEGRAM

WESTERN UNION
TELEGRAM

WESTERN UNION
TELEGRAM

UNION
RAM

WU A015

LB243

DC083 D MDA101 LONG PD FAX MIDLAND TEX 1 1139A CST

CLEON B FEIGHT,

DIRECTOR, UTAH OIL CONSERVATION COMM

310 NEWHOUSE BLDG SALT LAKE CITY UTAH

REFERENCE LOCATION MONCRIEF NAVAJO "A" WELL NO 2 GREATER ANETH
FIELD:

TEXACO INC HAS BEEN NOTIFIED BY W A MONCRIEF OF THEIR
APPLICATION FOR APPROVAL OF THE AMENDED LOCATION OF THEIR NAVAJO
"A" WELL NO 2 LOCATED 1980' FROM THE NORTH LINE AND 660' FROM
THE EAST LINE, SECTION 3, T-41-S, R-24-E, SAN JUAN COUNTY,
UTAH.

TEXACO INC AS THE ANETH UNIT OPERATOR HAS NO OBJECTION
TO THIS AMENDED LOCATION

TEXACO INC E R FILLEY CHAIRMAN ANETH UNIT OPERATORS COMMITTEE

"A" 2 "A" 2 1980' 660' 3 T-41-S R-24-E.

1112A MST MAR 1 62

310 Newhouse
Bldg

V

3 1- L F PETERSON PETROLEUM BLD FT WORTH TEXAS
373

BARTLESVILLE OKLA 307P FEB 27 1962 M 16-14
MR CLEON B FEIGHT
UTAH OIL CONSERVATION COMMISSION
SALT LAKE CITY UTAH

RE MONCRIEF-NAVAJO A NO. 2 WELL-GREATER ANETH FIELD.

THIS WILL ADVISE THAT PHILLIPS PETROLEUM CO. HAS NO OBJECTION
TO THE PROPOSED LOCATION FOR THE SUBJECT WELL AS GIVEN
IN MR. L F PETERSON'S LETTER TO YOU DATED FEBRUARY 23, 1962.

L E FITZJARRALD VICE PRESIDENT PRODUCTION

DL

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

		X
3		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Navajo

Lease No. 14-20-0603-6503

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)

April 20, 1962

Well No. 2-A is located 1980 ft. from N line and 660 ft. from E line of sec. 3

SE/4 NE/4 Sec. 3 T-41-S R-24-E SLBM

Ratherford San Juan County Utah

The elevation of the ~~surface~~ ^{ground} above sea level is 4427 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)

Spud 6:00 AM April 16, 1962. Ran 3 joints 10 3/4" 32.75# H-40 conductor and set at 94 ft. Cemented w/95 sacks neat / 2% ca. cl.

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

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

	3		X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Navajo

Lease No. 14-20-0603-6505

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
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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)

April 23, 19 62

Well No. 2-A is located 1980 ft. from N line and 660 ft. from E line of sec. 3

SE/4 NE/4 Sec. 3 T-41-S R-24-E SLBM

Ratherford San Juan County, Utah

The elevation of the ~~drick floor~~ ^{ground} above sea level is 4427 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)

Ran 42 juts. - 1,332.29' 7 5/8" H-40 24# casing and set at 1,323.28'.
Cemented w/500 sx posmix and 100 sx neat / 2% ca. cl. Water Shut off.
Plug down 3:20 PM 4-17-62.

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 5,425 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing May 8, 1962

The production for the first 24 hours was 744 barrels of fluid of which 100% was oil; _____% emulsion _____% water; and _____% sediment. Gravity, 38.40 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
523	867	344	Navajo
867	927	60	Kayenti
927	1,327	400	Wingate
1,327	2,244	3,571 917	Chinle
2,244	2,440	196	Hoskinnini
2,440	2,574	134	De Chelly
2,574	4,364	1,790	Organ Rock
4,364	5,161	797	Hermosa
5,161	5,330	169	Ismay
5,330	5,425 TD	95	Desert Creek

(OVER)

FORMATION RECORD

Handwritten mark



(SUBMIT IN TRIPPLICATE)

Indian Agency Navajo

		X
3		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Navajo

Lease No. 14-20-0603-6505

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

May 18, 19 62

Well No. 2-A is located 1980 ft. from N line and 660 ft. from E line of sec. 3

SE/4 NE/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 4440 ft.

DETAILS OF WORK

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

Set 4 1/2" 10.5# J-55 casing @ 5,425'. Cemented w/130 sx neat / 2% ca. cl. and 70 sx latex. Perforated 5,338-5,350 w/4 shts per foot. Acidized w/500 gal. breakdown acid and 3,000 regular.

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

PHILLIPS PETROLEUM COMPANY

P. O. Drawer 1150
Cortez, Colorado

July 2, 1962

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

Attention: Cleon B. Feight

Gentlemen:

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

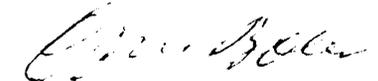
<u>Company</u>	<u>Lease and Well No.</u>	<u>Location-San Juan County, Utah</u>
W. A. Moncrief	Navajo A-2	SE/4 NE/4 Sec. 3-41S-24E

No oil or gas sales have been made from this well. It was proven productive in test tank after acidizing and shut in pending approval of being taken into the Unit.

In accord with the present well numbering system of the Rutherford Unit, the above well will be renumbered Rutherford Unit No. **3-42**.

Very truly yours,

PHILLIPS PETROLEUM COMPANY



C. M. Boles
District Superintendent

HGC/bh

PMB

PHILLIPS PETROLEUM COMPANY

P. O. Drawer 1150
Cortez, Colorado

September 20, 1962

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

Attention: Mr. Cleon B. Feight

Gentlemen:

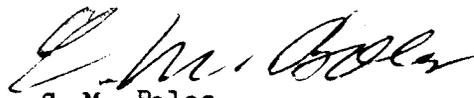
Ratherford Unit Well No. 3-42, SE/4 NE/4 Section 3-41S-24E, San Juan County, Utah, has not been produced since entering the Unit on July 1, 1962. The well is located North of the San Juan River, and it is not feasible to lay a lead line across the river to connect the well to existing tank battery facilities.

Well No. 3-42 is scheduled for conversion to a water injection well when the flood area is expanded in the near future. It is desirable to produce the well during the interim in order to "clean up" the formation near the well bore, thereby increasing receptivity when placed on injection service.

Oil production from the well can be trucked to a sales point; but because of the short period it is to be produced, it is not feasible to obtain a connection for sale of the gas produced. Approval of your office to temporarily vent gas production from Well No. 3-42, estimated at approximately 80 MCF per day, is therefore requested.

Sincerely yours,

PHILLIPS PETROLEUM COMPANY


C. M. Boles
District Superintendent
Production Department

REP:bh

U.
Well file
2

September 25, 1962

AIR MAIL

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

Attn: Mr. C. M. Boles, Dist. Supt.,
Production Department

Gentlemen:

Insofar as this office is concerned approval is hereby granted to flare the gas production from your Well No. Rutherford Unit 3-42, SE/4 NE/4 Section 3-41S-24E, San Juan County, Utah, up to January 1, 1963.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE DIRECTOR

CBF:awg

cc: Mr. Walter Wolfe,
Navajo Tribal Council

Mr. P. T. McGrath, Dist. Eng.,
U. S. Geological Survey

PHILLIPS PETROLEUM COMPANY

P. O. Drawer 1150
Cortez, Colorado

December 17, 1962

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

Attention: Mr. Cleon B. Feight

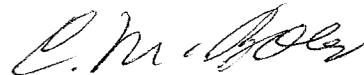
Gentlemen:

Reference is made to your letter of September 25, 1962, granting approval to produce Ratherford Unit No. 3-42 and vent the gas until January 1, 1963, in order to "clean up" the formation near the well bore, thereby increasing receptivity when placed on injection service.

We hereby request a three months extension of your original approval, or until water injection facilities are available for this well.

Sincerely yours,

PHILLIPS PETROLEUM COMPANY



C. M. Boles
District Superintendent

HGC/bh

41-24 - 3

December 28, 1962

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

Attention: C. M. Boles,
Dist. Superintendent

m. m. m. m. m.
Re: Ratherford Unit No. 3-42

Gentlemen:

With reference to your letter of December 17, 1962, please be advised that insofar as this office is concerned, the venting of gas from the above mentioned well is hereby approved until March 31, 1963.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

PAUL W. BURCHELL,
CHIEF PETROLEUM ENGINEER

FWB:cp

cc: P. T. McGrath, Dist. Eng.
USGS - Farmington, New Mexico

Walter Wolf, Chairman
Nav. Tribal Council
Window Rock, Arizona

47P
Wade

Copy H-L-E

Budget Bureau No. 42-R359.4
Approval expires 12-31-60.

Form 9-331 b
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-0603-6305

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			
Notice of Intention to Perforate 12' of <u>X</u>			

Desert Creek Formation
& convert to water injection.

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

W.A. Maurer Cortez, Colorado March 14, 1960
Rutherford Unit (Formerly U.A. Maurer "Navajo" 2-1)

Well No. 3-42 is located 1900 ft. from N line and 640 ft. from E line of sec. 3

SE/4 NE/4 3 42E 24E 31N
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Greater Auth San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4440 ft.

DETAILS OF WORK

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

Move in well service unit, pull 2" tubing, jet perforate Desert Creek zone with 4 holes/foot from 5381-5383', 5394-5396', run 2" tubing with Maxtek plastic tube liner. Set Baker Tension Fasher at approximately 5300' and convert to water injection well of Desert Creek intervals 5350-50', 5394-40' and 5382-82'. This well has been shut down since February 1, 1963 due to no gas sale.

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 1190

Cortez, Colorado

By C. H. Sales
Title District Superintendent



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

June 12, 1963

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

Attention: Mr. Cleon B. Feight

Dear Sirs:

In accordance with Rule E-4 of the Utah General Rules and Regulations, we wish to advise that the following wells located on the 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>
3-42	3W42	5-29-63	619 BWPD	Vacuum
4-43	4W43	6-1-63	211 BWPD	2425#

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

bh

Copy H-R-E
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-0603-6505

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		Subsequent Report to Perforate X	

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

Water Injection.

Cortez, Colorado June 12 19 **63**

Ratherford Unit (Formerly W. A. Mongrief "Navajo" 2-A)
(& Phillips' Ratherford Unit 3-42)

Well No. 3W42 is located 1980 ft. from N line and 660 ft. from E line of sec. 3

SE/4 NE/4 3 41S 24E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the derrick floor above sea level is 4440 ft.

DETAILS OF WORK

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

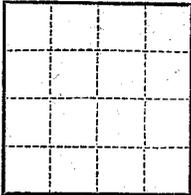
Converted well to Water Injection (3-7-63 through 3-10-63).
Pulled tubing, perforated 4-1/2" casing with 4 shots per foot from 5381-5388 and 5354-60', ran 2-3/8" tubing with Marlex liner and Baker Tension packer, hooked up for water injection and shut down waiting on injection water. Shut down from 3-11-63 through 5-28-63. Started injecting water 5-29-63. Changed well classification from shut down oil well to Water Injection well and changed name from 3-42 to 3W42.
Previous production - shut down.
Present: Injected 619 BW in 24 hours on vacuum.

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

Company Phillips Petroleum Company
Address P. O. Drawer 1150, Cortez, Colorado

By *G. M. Boles*
G. M. Boles
Title District Superintendent

(SUBMIT IN TRIPLICATE)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____

NAVAJO

Allottee TRIBAL

Lease No. 11-20-0603-6505

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 SHOW 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)

Rutherford Unit

Cortez, Colorado September 4, 1963

Well No. 3442 is located 1900 ft. from [N] line and 660 ft. from [E] line of sec. 3

SE/4 NE/4 Sec. 3
(1/4 Sec. and Sec. No.)

41S
(Twp.)

24E
(Range)

S1M
(Meridian)

Greater Aneth
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the derrick floor above sea level is 4440 ft.

DETAILS OF WORK

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

Acidize Water Injection well with 1,000 gallons regular, 200 gallons Sol-Block, and 2,000 gallons regular acid.

Present Injection: 283 BWPD at 242%.

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

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150

Cortez, Colorado

By C. M. Boles

Title Dist. Supt.

Utah
10

Form 9-331b
(April 1952)

Copy H-X-C

Budget Bureau No. 42-R359.4
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

Indian Agency _____

NAVAJO

Allottee **TRIBAL**

Lease No. **14-20-0603-6505**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 REDRILLING 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 23, 19**63**

Rutherford Unit

Well No. **3442** is located **1980** ft. from **N** line and **660** ft. from **E** line of sec. **3**

SW/4 NE/4 Sec. 3 (1/4 Sec. and Sec. No.)	41E (Twp.)	24E (Range)	S1M (Meridian)
Greater Anoth (Field)	San Juan (County or Subdivision)		Utah (State or Territory)

The elevation of the derrick floor above sea level is **4440** ft.

DETAILS OF WORK

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

On 9-6-63 acidized water injection well with 1000 gallons 15% regular acid, 200 gallons Sol Block, and 2000 gallons 15% regular acid.

Present Injection Rates: Injected 345 BWPD at 2575# - Greater Anoth Field, Paradox Formation, Desert Creek Zone.

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

Company **PHILLIPS PETROLEUM COMPANY**

Address **P. O. Drawer 1150**

Cortez, Colorado

By **C. H. Baker**
Dist. Supt.

Title _____

4.

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 3W42 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>3W42</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>3W42</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 <u> </u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate</u> <u>1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	State What <u>Oil & Gas</u>	
Location of Injection Source(s) <u>Desert Creek Paradox I & II</u> <u>San Juan River</u>	Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5567')</u> <u>San Juan River (Surface)</u>		
Geologic Name of Injection Zone <u>Desert Creek I</u>	Depth of Injection Interval <u>5338</u> to <u>5388</u>		
a. Top of the Perforated Interval: <u>5338'</u>	b. Base of Fresh Water: <u>1550'</u>	c. Intervening Thickness (a minus b) <u>3788'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input type="checkbox"/> NO <input type="checkbox"/> <u>See Attachment #4</u>			
Lithology of Intervening Zones <u>See Attachment #1</u>			
Injection Rates and Pressures <u>SD 7/17/80</u> Maximum <u> </u> 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)

PHILLIPS PETROLEUM COMPANY

Applicant

County of Natrona)

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

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

SEAL

DONALD L. HUDSON - Notary Public

County of Natrona State of Wyoming

My commission expires 11/3/86 (Notary Public in and for Natrona Co., Wyoming)

My Commission Expires Nov. 3, 1986 (OVER)

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	10-3/4"	94'	95	Surface	Returns
Intermediate	7-5/8"	1332.29'	500	Surface	Returns
Production	4-1/2"	5425'	200	4664'	calculated
Tubing	2-3/8"	5303.20'	Name - Type - Depth of Tubing Packer Baker "A" Tension 5303.20'		
PB Total Depth 5393'	Geologic Name - Inj. Zone Desert Creek I	Depth - Top of Inj. Interval 5338'	Depth - Base of Inj. Interval 5388'		

(To be filed within 30 days after drilling is completed) 14-20-603-6505

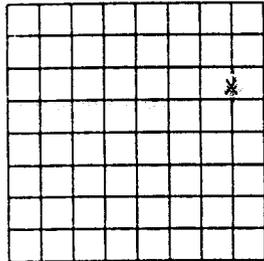
COMPLETION & TEST DATA BY PRODUCING FORMATION

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

API NO. 43-037-16388
640 Acres
N

COUNTY San Juan SEC. 3 TWP. 41S RGE. 24E
COMPANY OPERATING Phillips Petroleum Company
OFFICE ADDRESS P.O. Box 2920
TOWN Casper STATE WY ZIP 82602
FARM NAME _____ WELL NO. 3W42
DRILLING STARTED 4-16-62 DRILLING FINISHED 5-4-62
DATE OF FIRST PRODUCTION 5-8-62 COMPLETED 5-7-62
WELL LOCATED SW 1/4 NE 1/4
1980 FT. FROM NE CORNER OF 1/4 SEC. & 660 FT. FROM EL CORNER OF 1/4 SEC.
ELEVATION BERRICK FLOOR 4440' GROUND 4429'

RKB



Locate Well Correctly
and Outline Lease

TYPE COMPLETION

Single Zone _____
Multiple Zone _____
Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Desert Creek I	5332	5425			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
10-3/4"	32.75	H-40	94	No Rec.	95		Surface
7-5/8"	24	H-40	1332.29	No Rec.	500		Surface
4-1/2"	10.5	J-55	5425	No Rec.	200	760	4664

TOTAL DEPTH 5425'

PACKERS SET Baker Model "A" Tension @ 5303.20'
DEPTH _____

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

FORMATION	1	2	3
Desert Creek I			
SPACING & SPACING ORDER NO.	40 acre Cause #C-3(B)		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	5338-50'		
	5354-60'		
INTERVALS	5381-88'		
ACIDIZED?	9/23/63 3000 gal Acid		
FRACTURE TREATED?	No		

INITIAL TEST DATA

Converted to Injector 5/29/63

Date	5/29/63		
Oil, bbl./day	--		
Oil Gravity	--		
Gas, Cu. Ft./day	--	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	--		
Water-Bbl./day	619		
Pumping or Flowing	Flowing		
CHOKE SIZE	Vacuum		
FLOW TUBING PRESSURE	--		

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

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

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

Subscribed and sworn before me this SEP 22 '83 day of 19 83

Casper

WELL: 3W42
LOCATION: SW NE S. 3-T41S-R24E
FIELD: GREATER ANETH
RESERVOIR: Desert Creek I

W. COMPLETION: 5-29-63
PRESENT STATUS: S.I.

RKB 4440
GL 4429 94'

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

1332.29

PERFORATIONS:
5338-5350
5354-5360
5381-5388

PACKER: Baker Model "A"
Tension Pkr @ 5303.2'
Tubing: 2 3/8" @ 5303.2'

5303.2'

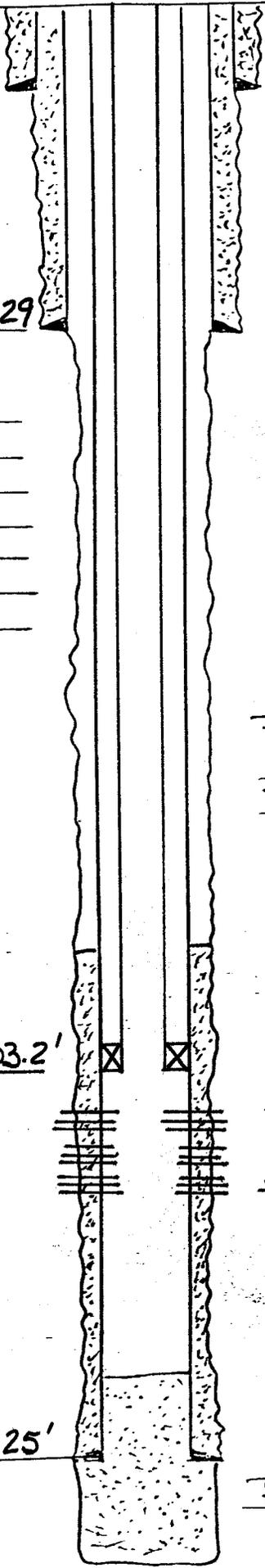
5338'

5388'

PBTD: 5425'
OTD: —

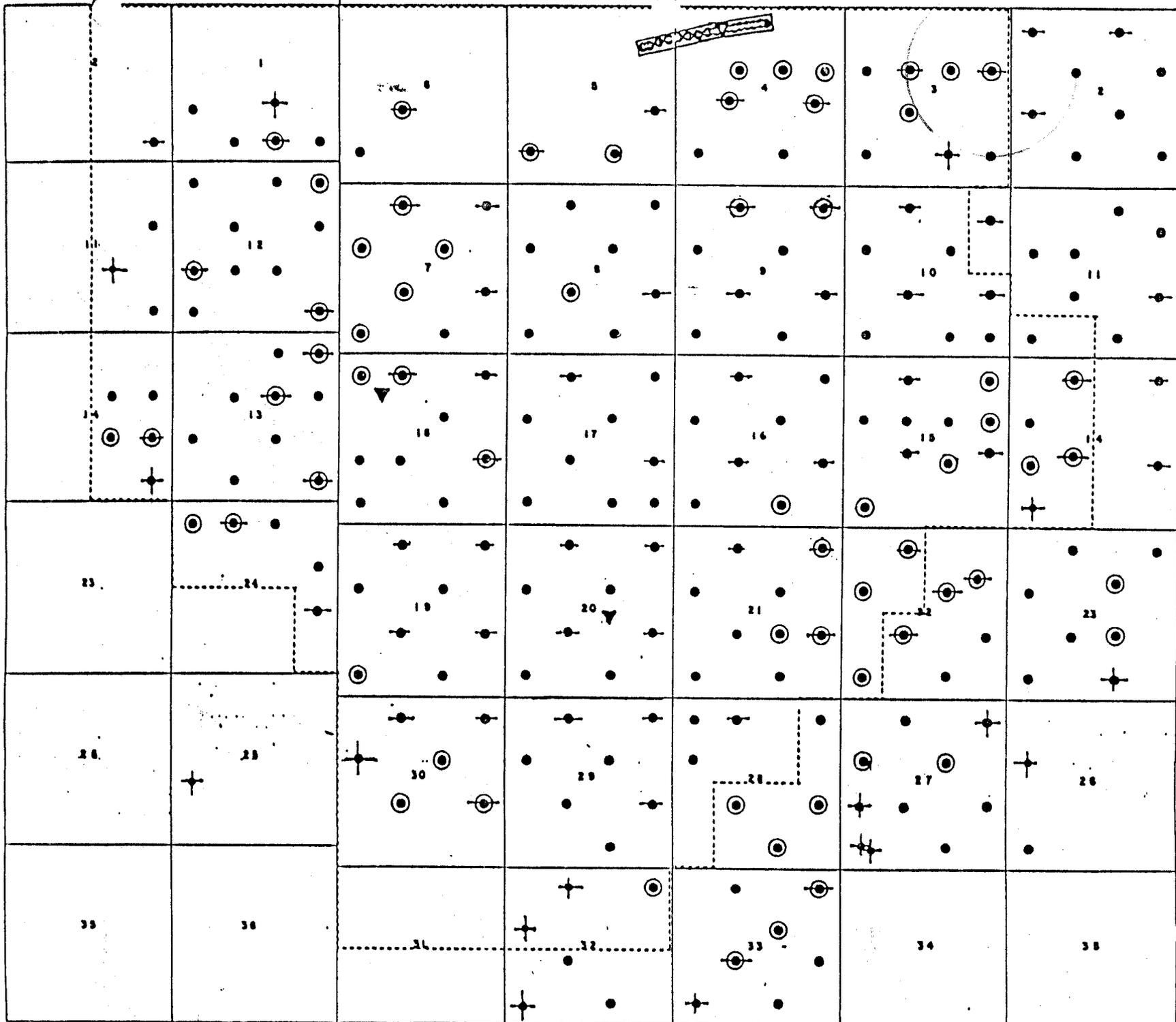
5425'

Phillips Petroleum Company



R-23-E

R-24-E



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

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

WTE INJECTION WELL

CL1-12A (REV. 1964)

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

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

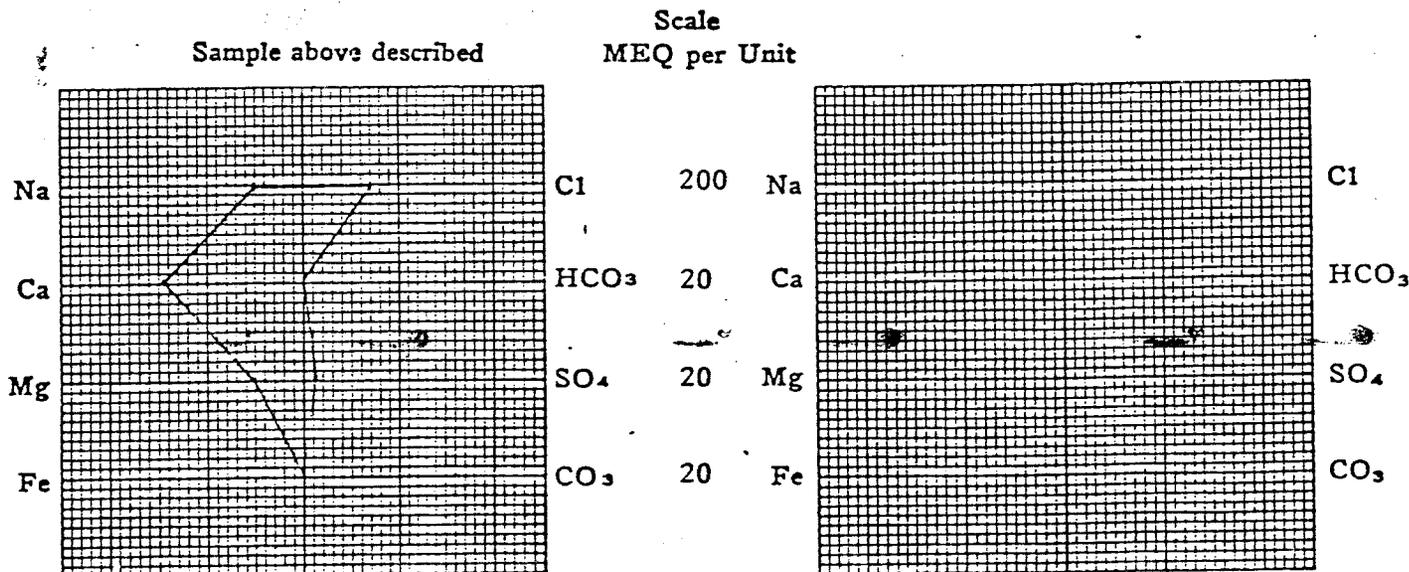
REMARKS & CONCLUSIONS: Specific gravity @68°F ----- 1.0646
 Oil and grease, mg/l ----- 2.5
 Aluminum (Al), mg/l ----- 0.90
 Iron (Fe), mg/l ----- 0.3
 Total Sulfides, mg/l ----- ND(0.1)

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

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

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

WATER ANALYSIS PATTERN



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

Formation Water

CL1-12A (REV. 1964)

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

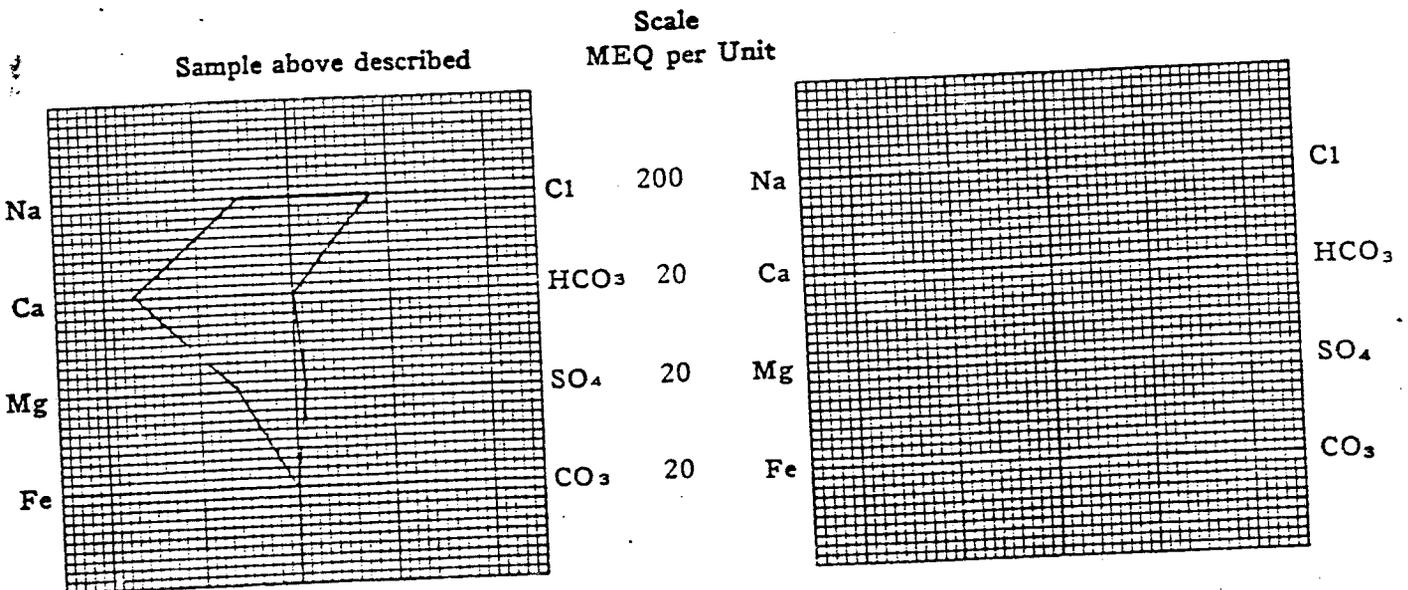
OPERATOR Phillips Petroleum Company DATE 7-22-83 LAB NO. W30636
 WELL NO. Ratherford Unit LOCATION _____
 FIELD _____ FORMATION _____
 COUNTY San Juan INTERVAL _____
 STATE Utah SAMPLE FROM Battery #1 Free water knockout
(7-5-83) @ 10:35
S/N 28568

REMARKS & CONCLUSIONS: _____

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

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

WATER ANALYSIS PATTERN



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

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips Well No. Catherford Unit 3w42
 County: Sour Lake T 415 R 246 Sec. 3 API# 43-037-16388
 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 records	<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>Parent creek</u>	

Analysis of Injection Fluid Yes No TDS 85,655
 Analysis of Water in Formation to be injected into Yes No TDS 103,633
 Known USDW in area Murray Depth 1550
 Number of wells in area of review 7 Prod. 4 P&A 0
 Water 0 Inj. 3
 Aquifer Exemption Yes NA
 Mechanical Integrity Test Yes No
 Date _____ Type _____

Comments: To c 4664

Reviewed by: 

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. LEASE REGISTRATION AND SERIAL NO.
14-20-603-6505

2. IF NEAR, ALLOTMENT OR TRACT NAME
Navajo

3. WELL AGREEMENT NAME
SH-I-4192

4. NAME ON LEASE NAME
Ratherford Unit

5. WELL NO.
#3W42

6. FIELD AND POOL, OR WILDCAT
Greater Aneth

7. SEC., T., R., S., OR BLK. AND
SUBST. OR AREA
Sec. 3-T41S-R24E

8. COUNTY OR PARISH
San Juan

9. STATE
Utah

10. OIL WELL GAS WELL OTHER Water Injection Well

11. NAME OF OPERATOR
Phillips Oil Company

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

13. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface 1980' FNL, 660' FEL

14. PERMIT NO.
43-037-16388

15. ELEVATIONS (Show whether SP, ST, OR etc.)
4441' RKB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL 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) Return to Injection

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATION (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 return Ratherford Unit #3W42 to Zone I injection, after performing minor surface equipment repairs.

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JUL 10 1985

DIVISION OF OIL
GAS & MINING

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

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

SIGNED

A. E. Sperry

TITLE

Area Manager

DATE

July 5, 1985

(This space for Federal or State office use)

APPROVED BY

Ellen B. Sperry

TITLE

WIC Manager

DATE

7/11/85

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

OPERATOR: Phillips Petroleum

FIELD: Greater Aneth LEASE: Ratherford

WELL # 3W42 SEC. 3 TOWNSHIP 41S RANGE 24E

STATE (FED) FEE DEPTH 5393 TYPE WELL INJW MAX. INJ. PRESS. _____

S I 7/17/80

TEST DATE 6/17/84

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>10³/₄</u>	<u>94'</u>	<u>95</u>		<u>SE</u>	
<u>INTERMEDIATE</u>	<u>7⁵/₈</u>	<u>1332</u>	<u>500</u>			
<u>PRODUCTION</u>	<u>4¹/₂</u>	<u>5425</u>	<u>200</u>			
<u>TUBING</u>	<u>2³/₈</u>	<u>5303</u>			<u>Baker Model A</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**

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

RECEIVED
 MAR 20 1989
 DIVISION OF
 OIL, GAS & MINING

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

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

41-24-3

037-16388

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

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

SIGNED A. A. 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

DOWN HOLE SCHEMATIC

Date: 8/6/87

RATHERFORD Unit # 3W42

LOCATION SE NE SEC. 3

RKB Elev. 4400'

T415-R24E

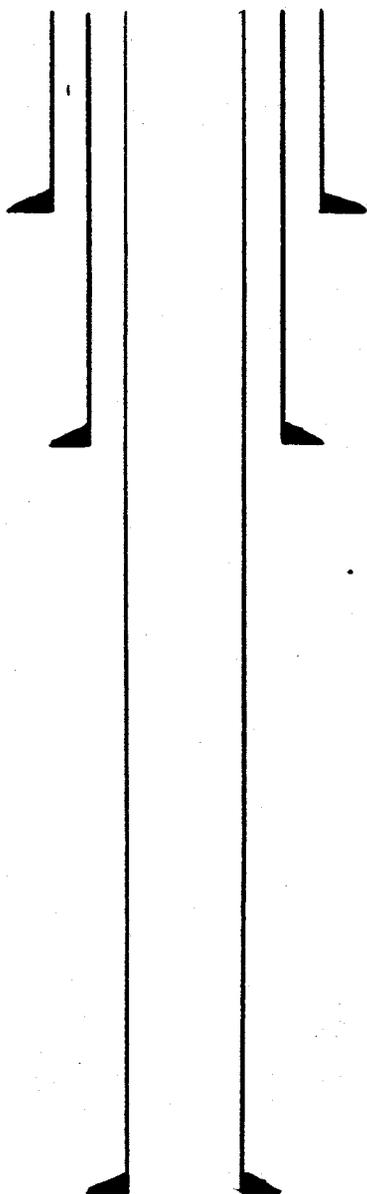
GL Elev. _____

Well Drld 5/4/62

RKB Above GL' _____

Well converted to injector 5/29/63

Shut-in.



CONDUCTOR CSG 10³/₄ @ 94'

SURFACE CSG. 7⁵/₈ @ 1320'

TOC 4313' CALL.

Tubing 2³/₈ @ _____'

PACKER _____

PERFS	<u>5,381 - 88</u>	_____	_____
	<u>5,354 - 60</u>	_____	_____
	<u>5,338 - 50</u>	_____	_____
	_____	_____	_____

PBTD 5350'

PRODUCTION CSG. 4¹/₂ @ 5425'
J-55 10.5 #

All Perfs Zone I unless noted

K-12

R-10

THE SUPERIOR OIL COMPANY

P. O. DRAWER G

CORTEZ, COLORADO

March 6, 1962

Utah Oil and Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City, Utah

Attention: Mr. Cleon B. Feight

Gentlemen:

This office is in receipt of a letter dated February 23, 1962, from W. A. Moncrief requesting permission to move their Navajo A-2 well from the NE NE Section 3 to the SE NE Section 3, T41S R24E. The Superior Oil Company, as Unit Operator for the McElmo Creek Unit, concurs in the change in location requested by W. A. Moncrief.

Very truly yours,

THE SUPERIOR OIL COMPANY



W. H. Fraser

WHF/lr

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

W. A. Moncrief
Fort Worth, Texas

File

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5. LEASE DESIGNATION & SERIAL NO.
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL
2. NAME OF OPERATOR MOBIL OIL CORPORATION		7. UNIT AGREEMENT NAME RATHERFORD UNIT
3. ADDRESS OF OPERATOR P. O. BOX 633 MIDLAND, TX 79702		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At proposed prod. zone		9. WELL NO.
14. API NO.		10. FIELD AND POOL OR WILDCAT GREATER ANETH
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
12. COUNTY SAN JUAN		13. STATE UTAH

REGISTERED

SEP 15 1993

DIVISION OF
OIL, GAS & MINING

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"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <u>CHANGE OF OPERATOR</u> <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/>
APPROX. DATE WORK WILL START _____	DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

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

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

SIGNED Shelby Todd TITLE ENV. & REG TECHNICIAN DATE 9-8-93

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

Sheffield
~~BRIAN BERRY~~
~~MEMPHIS MOBIL~~
~~POB 219031 1807A RENTWY~~ *P.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. See*

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	243925	5885			

RECEIVED

SEP 13 1993

DIVISION OF OIL, GAS & MINING

COMMENTS: *PLEASE NOTE ADDRESS change. Mobil ~~also~~ 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: Lowell B Sheffield

Telephone Number: 303 565 2212
214 658 2528

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

PAID RECEIVED

SEP 15 1993

DIVISION OF OIL, GAS & MINING

PAID

PAID PAID

14-20-603-246

SE NW 1920 FNL 2080 FWL

Sept 29, 1993

TO: Lisha Cordova - Utah Mining
Oil & Gas

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

Here is copy of Rotherford Unit
Successor Operator.

4 pages including this one.

Re: Ratherford Unit (GC)

RECEIVED
BLM

JUL 27 AM 11:44

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

070 FARMINGTON, NM

ARES/543

JUL 26 1993

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

MINERALS DIVISION
NO. 187
DATE
BY
REMARKS
FILED
ALL COPY
FILED

Dear Mr. Cox:

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

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

Sincerely,

ACTING Area Director

Enclosure

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

RECEIVED
BLM

DESIGNATION OF OPERATOR

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

JUN 27 11:44

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

070 FARMINGTON, NM

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

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

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

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

Attached hereto as Exhibit "A"

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

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

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

Attached is the appropriate documentation relevant to this document.

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

Phillips Petroleum Company

June 17, 1993

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

Mobil Exploration and Producing
North America Inc.

June 11, 1993

By: B. D. [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).

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF
OIL, GAS & MINING

Well name and number: _____	
Field or Unit name: <u>RATHERFORD UNIT</u>	API no. _____
Well location: QQ _____ section _____ township _____ range _____ county _____	
Effective Date of Transfer: <u>July 1, 1993</u>	
CURRENT OPERATOR	
Transfer approved by:	
Name <u>Ed Hasely</u>	Company <u>Phillips Petroleum Company</u>
Signature <u>Ed Hasely</u>	Address <u>5525 HWY. 64</u>
Title <u>Environmental Engineer</u>	<u>Farmington, NM 87401</u>
Date <u>October 22, 1993</u>	Phone (<u>505</u>) <u>599-3460</u>
Comments:	
NEW OPERATOR	
Transfer approved by:	
Name <u>Shirley Todd</u>	Company <u>Mobil Exploration & Producing North America</u>
Signature <u>Shirley Todd</u>	Address <u>P O Box 633</u>
Title <u>Env. & Reg. Technician</u>	<u>Midland, TX 79702</u>
Date <u>October 7, 1993</u>	Phone (<u>915</u>) <u>688-2585</u>
Comments:	
(State use only)	
Transfer approved by <u>[Signature]</u>	Title <u>UIC Manager</u>
Approval Date <u>10-27-93</u>	

Lisha Cordova (801) 538-5340

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

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

ORDER

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

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

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SEEM

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

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SEEM

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

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

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

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

FINDINGS OF FACT

The Commission finds that:

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

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

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

ORDER

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

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

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

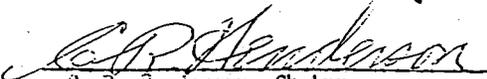
3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

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

Dated this 13th day of September, 1961.

THE OIL AND GAS CONSERVATION
COMMISSION OF THE STATE OF UTAH


Edward W. Clyde, Commissioner presiding


C. R. Henderson, Chairman


M. V. Hatch, Commissioner


C. S. Thomson, Commissioner

Walter G. Mann, Commissioner

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	VLC/A17-93
2	DTB/S8-AMH
3	VLC
4	RJBY
5	JEC
6	PL

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

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

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

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

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

Name: **SEE ATTACHED**	API: <u>43037-16388</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

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

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 11-17 1993. If yes, division response was made by letter dated 11-17 1993.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 11-17 1993, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State Leases.

FILMING

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

FILING

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

COMMENTS

931006 BIA/BAm Approved 7-9-93.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

5. Lease Designation and Serial No.
14-20-603-6505

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
MCELMO CREEK UNIT

8. Well Name and No.
3W42

9. API Well No.
43-037-16388

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UT

SUBMIT IN TRIPLICATE

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

2. Name of Operator
MOBIL OIL CORPORATION

3. Address and Telephone No.
P O BOX 633 MIDLAND, TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SW/NE 1980 FNL, 660 FEL SEC. 3, T41S, R24E

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

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

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

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

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

DATE: 11-2-93
BY: [Signature]



NOV 1 1993

DIVISION OF
OIL, GAS & MINING

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

Signed Shirley Todd SHIRLEY TODD Title ENV. & REG. TECHNICIAN Date 10-26-93

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any: Federal Approval of this 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 3-W-42
PLUG AND ABANDONMENT PROCEDURE
TOM COCHRANE (303) 565-2210

NOTE: Any revisions to the following procedure are subject to Mobil and BLM approval.

1. Notify Mark Kelley with the Bureau of Land Management at 505/599-8900 and Jim Walker with the Navajo EPA at 505/368-4125 at least 48 hours prior to plugging the well. Document date/time BLM and EPA are notified and also document the date/time that BLM and/or EPA representatives are on location.
2. MI workover rig. Load well with lease water. If well is not dead use 10 ppg brine. NU and PT BOP's. Release PKR 5239'. Circulate hole to 10 ppg brine if necessary. POH laying down 2-3/8", 4.7 lb/ft IPC TUBING. Install thread protectors while laying down and transport tubing to Mobil's Ratherford pipe yard. RIH with 3-7/8" bit without nozzles, casing scraper for 4-1/2", 10.5 lb/ft casing and bulldog bailer on 2-3/8" workstring and CO to 5392' (Optional cleanout trip). POH. RU wireline unit. RIH with CIBP on wireline and set at 5230' EL. POH. RD wireline. RIH with 2-3/8" workstring (2-3/8" CSH tailpipe optional) and tag top of CIBP. Spot (165') of class B 15.6 ppg neat cement on top of CIBP. Pull out of cement and reverse out hole to 9 ppg fresh water mud having a minimum viscosity of 50 sec/qt containing a minimum of 15 lbs/bbl of sodium bentonite and a nonfermenting polymer. NOTE: If well is taking fluid after setting CIBP, cement plug will need to be tagged.

TOP HERMOSA @ 4266'
3. PU to 4366' and spot 200' of class B 15.6 ppg neat cement from 4366'-4166'. Pull out of cement plug at less than 30 ft/min. WOC.
4. Tag top of cement plug with workstring. Cement top must be above 4216'. Spot additional cement as necessary. POH laying down all but 1376' of 2-3/8" workstring.

TOP OF CHINLE @ 1276'
5. RU wireline. RIH with 3-1/8" perforating gun loaded with deep penetrating charges at 4 SPF and perforate 1372'-1376'. POH.
6. RIH with cement retainer on 2-3/8" workstring and set at 1326' (Wireline set cement retainer optional). PT backside to 200 psi and monitor. Establish injection rate of 1-2 BPM using 9 ppg mud taking returns on 4-1/2" casing annulus. Mix and pump 445 cu ft of class B 15.6 ppg neat cement (includes 100 percent excess as required by BLM) and displace cement to cement retainer. Note: If get good uncontaminated cement returns, the pumping of cement can be

discontinued. Pull out of cement retainer and reverse out with 9 ppg mud. POH and lay down drag block setting tool. RIH with 2-3/8" workstring (2-3/8" CSH tailpipe optional) to top of cement retainer at 1326'. Fill hole with class B 15.6 ppg neat cement in 400' stages, laying down workstring while POH. Calculated volume required to fill hole is 119 cu ft.

7. If top of casing strings are above ground level, cut off casing strings at ground level. Top off all casing annuli with cement. Use 1" spaghetti string if necessary to spot cement. Weld on a 1/4" steel plate having a 1/4" weep hole. Steel plate should cover all casing strings and have the following information welded or stamped on the top of the plate:

Mobil E&P U.S., Inc.
Ratherford Unit 3-W-42
Navajo Tribal Lease
14-20-0603-6505
1980' FNL, 660' FEL
Sec. 3 - T41S - R24E
San Juan Co., Utah

8. RDMO workover rig. Haul off salvaged equipment and clean location. Notify Shirley Todd with Mobil at 918/688-2585 when work is completed so that a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5) can be filed with the Bureau of Land Management.

Mobil Operations Engineer: Tom Cochrane
Office Phone: 303/565-2210
Home Phone: 303/882-7253

Rutherford Unit #3-42
Present Setting

10-5-93
TVE

KB: 4400' Z: 11' AGL GL: 4389'

10-3/4", 32.75#/ft pipe
Cmtd w/ ?? sx cmt.
Circ to surface.

94'

7-5/8", 24#/ft Surf csg
Cmtd w/ ?? sx reg cmt.
Circ to surface.

1320'

*7.025.
.1586 ft/ft
between
4.5 & 7-5/8.*

Equipment Detail:

169 jts 2-3/8" PC tbg
4.5" Baker lokset pkr

Pkr @ 5239'

Perfs:

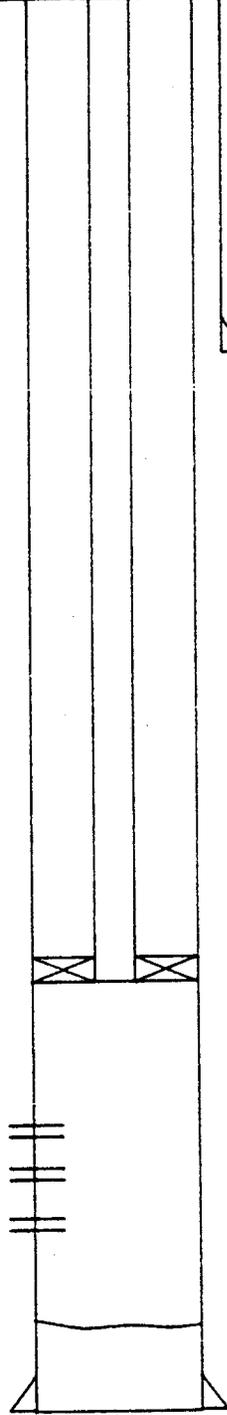
? SPF 5338-50'
? SPF 5354-60'
? SPF 5381-88'

PBTD: 5392'

4.5", 10.5#/ft J-55
Cmtd w/ ?? sx reg cmt.

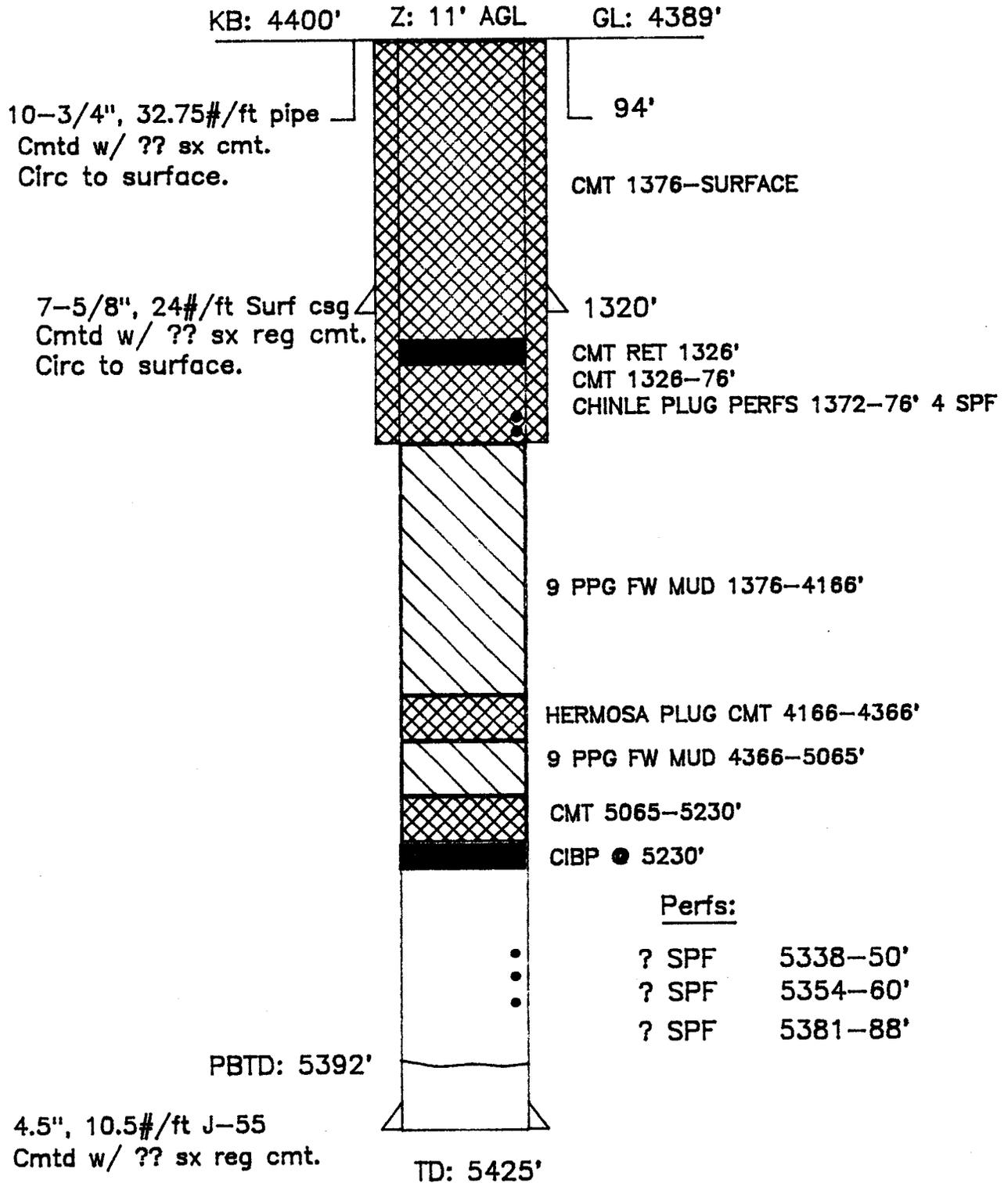
0.0895 ft³/ft

TD: 5425'



RATHERFORD UNIT 3-W-42
 PRISM# 0042925

PLUG AND ABANDONED



TOM COCHRANE 10-15-93

RATHERFORD UNIT #3-42 WELL HISTORY

API# 43 037 16388

KB: 4400' GL: 4389'

- 4-16-62 : Spud well. Drill ??" hole to 94'. Ran & set 10-3/4',
to ?# conductor pipe. Cmtd w/ ?? sx reg cmt. Circulated
4-18-62 to surface. WOC.
- 4-19-62 : Drill ??" hole to 1320'. Ran & set 7-5/8", ??# surface
to pipe. Cmtd w/ ?? sx reg cmt. Circulated to surface. WOC.
4-21-62
- 4-22-62 : Drill ??" hole to TD @ 5425'. Condition hole for logs.
to Ran open hole logs. Ran & set 4.5", 10.5# production csg.
4-30-62 Cmtd w/ ?? sx reg cmt. WOC. NOTE: Dates are estimated.
- 5-1-62 : Initial completion. Made BOP & csg tests. GIH w/ bit &
to DO/CO to PBD @ 5392'. Test csg to 500#- OK. Next day- ran
5-7-62 logs & perfed 5338-50' w/ ? SPF. GIH w/ 4.5" pkr & 2-7/8"
tbg. Pkr @ ?'. Acidized w/ ?? gals HCl. Well flowing.
- 5-8-62 : IP: F1 744 BO + 0 BW, 1/2" chk, 40.0 S.G.
- 3-7-63 : Convert to WIW. MIRU WO unit & POOH w/ tbg & pkr. Next
to day- Western Co perfed 5354-60' & 5381-88' w/ ? SPF. GIH
3-10-63 w/ 4.5" Baker pkr on 168 jts 2-3/8" tbg w/ 1.9" Marlex
liner. Set pkr @ 5301'. Put on injection.
- 9-6-63 : Stimulate. Acidized well w/ 1000 gals reg HCl + 200 blk +
2000 gals reg HCl.
BWO: Inj 283 BWPD @ 2425# TP
AWO: Inj 345 BWPD @ 2575# TP
- 1-4-66 : Ran SLM to check liner- 3/4" rod ran to 98' & stopped.
- 3-13-74 : Tbg leak. MIRU WO unit & POOH w/ tbg & pkr. Removed liner.
to Found hole in 157th jt tbg. GIH w/ 4.5" Baker lokset pkr
3-15-74 on 168 jts 2-3/8" tbg- replaced 40 jts. Put on inj.
- 10-28-76: Well SI by Superior- leaking around packing- tbg leak.
Note in file dated 10-31-76 questions inj purposes.
- 12-20-76: Response to note states that Superior was in error- no tbg
leak & injecting.
- 12-5-77 : CO/change tbg. MIRU WO unit & POOH w/ tbg & pkr. GIH w/
to 3-7/8" bit & 4.5" CS to 5389'. POOH w/ tools. GIH w/ new
12-7-77 4.5" Baker lokset pkr on new 169 jts 2-3/8" PC tbg. Put
on inj.
- 8-17-79 : Data for July '79: Inj 8723 total bbis @ 2700# (avg) in
744 total hrs.

Rutherford Unit #3-42 Well History Cont'd.

8-22-85 : Note in file shows well has unhooked & collapsed inj line. Needs to be replaced- crosses black top (1351'). Recommend P&A.

6-20-89 : Schematic in well file shows calc TOC @ 4313'.

2-11-92 : Sundry notice in well file states that it was shut in @ time to replace inj line. Further states that it would not be feasible to reactivate. Will submit a plan to P&A.

No other work to date.

TVE 9-30-93

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

LISMA
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

