

GEOLOGIC TOPS:

QUATERNARY	Star Point	Sinbad	Brazer
Recent	Wahweap	PERMIAN	Pilot shale
Alluvium	Masuk	Kaibab	Madison
Lake beds	Colorado	Coconino	Leadville
Pleistocene	Mancos	Cutler	Redwall
Lake beds	Upper	Hoskinnini	DEVONIAN
TERTIARY	Middle	DeChelly 2652'	Upper
Pliocene	Lower	White Rim	Middle
Humboldt	Emery	Organ Rock 2797'	Lower
Salt Lake	Blue Gate	Cedar Mesa	Ouray
Miocene	Ferron	Halgaita tongue	Elbert
Bishop conglomerate	Frontier	Phosphoris	Guilmette
Oligocene	Dakota	Park City	Simonson dolomite
Norwood	Burro Canyon	Rico (Goodridge)	Sevy dolomite
Eocene	Cedar Mountain	Supai	North Point
Duchesne River	Buckhorn	Bird Springs	SILURIAN
Uinta	JURASSIC	CARBONIFEROUS	Laketown dolomite
Bridger	Morrison	Pennsylvanian	ORDOVICIAN
Green River	Salt Wash	Oquirrh	Eureka quartzite
Upper	San Rafeal Gr.	Weber	Pogonip limestone
Middle	Summerville	Morgan	CAMBRIAN
Lower	Bluff sandstone	Hermosa 4536'	Lynch
Wasatch	Curtis	Upper	Bowman
Colton	Entrade	Lower	Tapeats
Flagstaff	Moab tongue	Molas	Ophir
Almy	Carmel	Paradox 5505'	Tintic
Paleocene	Glen Canyon Gr.	A	PRE-CAMBRIAN
Current Creek	Navajo Sand: 1522'	B	
North Horn	Kayento	C	U Bndry Butte 5364'
CRETACEOUS	Wingate	Manning Canyon	L " " 5517'
Montana	TRIASSIC	Mississippian	
Mesaverde	Chinle	Chainman shale	
Price River	Shinarump 2348'	Humbug	
Blackhawk	Moenkapi	Joana limestone	

FILE NOTATIONS

Entered in NID File _____
 Entered on S & R Sheet _____
 Location Map Pinned _____
 Card Indexed _____
 Affidavit for State or Fee Land _____

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

COMPLETION DATA:

Date Well Completed _____
 Location Inspected _____
 Bond released _____
 State of Fee Land _____

OW _____
 GW _____

LOSS FILED

Drill's Log _____
 Electric Log No. _____
 E. _____ G. _____ GRN _____ Micro _____
 Lat. _____ Mil. _____ Sonic _____ Others _____

FILE NOTATIONS

Entered in NID File _____
 Entered on S & R Sheet _____
 Location Map Pinned _____
 Card Indexed _____
 Affidavit for State or Fee Land _____

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

COMPLETION DATA:

Date Well Completed 3-6-57 _____
 Location Inspected _____
 Bond released _____
 State of Fee Land _____

OW _____
 GW _____

LOSS FILED

Drill's Log 4-4-57 _____
 Electric Log No. 4 _____
 E. _____ G. _____ GRN _____ Micro _____
 Lat. _____ Mil. _____ Sonic _____ Others Deposited to Field
Perforated Record

PHILLIPS PETROLEUM CO.
~~SUPERIOR OIL COMPANY~~ - WELL NO. NAVAJO B-(2) 23-7
 314 Apt 43-037-15987
 Sec. 7, T. 41 S, R. 24 E, San Juan County

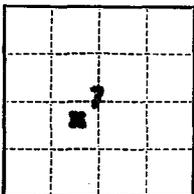
RATHER - FORD
 7-23

MSR
MSR

- Scout Report sent out
- Noted in the NID File
- Location map pinned
- Approval or Disapproval Letter
- Date Completed, P. & A, or operations suspended 3-13-57 (SI)
- Pin changed on location map
- Affidavit and Record of A & P
- Water Shut-Off Test
- Gas-Oil Ratio Test
- Well Log Filed

MICROFICHE

(SUBMIT IN TRIPLICATE)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Window Rock
Allottee NAVAJO
Lease No. 14-20-603-168

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 10, 1957

Well No. Navajo B-2 is located 1980 ft. from XX S line and 1980 ft. from XX W line of sec. 7

NE/4 SW/4 Sec. 7 418 24E SLMAN
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
North Desert Creek San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the Ground ~~MEASURED~~ above sea level is 4729 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)

Propose to drill well to test Paradox limestone to about 5750'.

Will set approximately 800' of 10-3/4" surface casing with cement circulated to surface.

Will set 7" 20 & 23#, J-55 casing through any commercial production encountered.

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

Company The Superior Oil Company

Address P. O. Box 200

Casper, Wyoming

By W. H. Franer

Title District Engineer

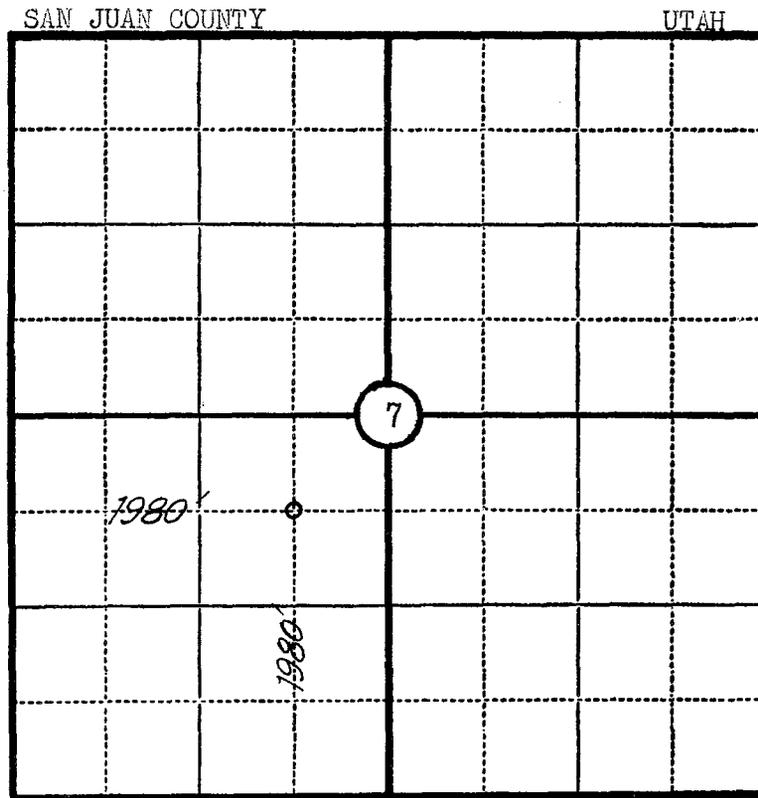
Company... THE SUPERIOR OIL COMPANY

Lease..... Well No.....

Sec. 7, T. 41 S., R. 24 E., S. 1. M.

Location 1980' FROM THE SOUTH LINE AND 1980' FROM THE WEST LINE.

Elevation 4729.0 UNGRADED.



Scale—4 inches equal 1 mile.

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.

Seal: *James P. Leese*
Registered Land Surveyor.
James P. Leese
Utah Reg, No. 1472

Surveyed 6 January, 1957

THE SUPERIOR OIL COMPANY

P. O. BOX 200
CASPER, WYOMING

January 10, 1957

United States Geological Survey
P. O. Box 965
Farmington, New Mexico

Attention: Mr. P. T. McGrath

Attached you will find three (3) copies of Notice of Intention to Drill Navajo B-2 located in NE/4 SW/4 Sec. 7, T 41S, R 24E, San Juan County, Utah.

Very truly yours,

THE SUPERIOR OIL COMPANY

By


W. H. Fraser

WHF/rh
Att. (3)

cc: w/att. (2)
Utah Oil & Gas Conservation Commission
147 State Capitol Building
Salt Lake City, Utah

January 11, 1957

The Superior Oil Company
P. O. Box 200
Casper, Wyoming

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo B-2, which is to be located 1980 feet from the south line and 1980 feet from the west line of Section 7, Township 41 South, SEEM, San Juan County.

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

Yours very truly,

OIL & GAS CONSERVATION
COMMISSION

CLEON B. FEIGHT
SECRETARY

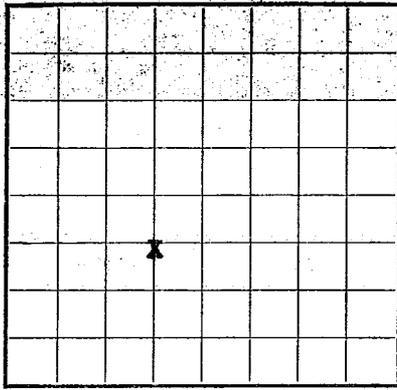
CBF:en

cc: Phil McGrath
USGS, Farmington,
New Mexico

2

Form 9-330

U. S. LAND OFFICE **Window Rock**
SERIAL NUMBER **14-20-603-368**
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Handwritten:
Kale
C. H. K.
4-9-57

LOG OF OIL OR GAS WELL

Company **The Superior Oil Company** Address **P. O. Box 200, Casper, Wyoming**
Lessor or Tract **Navajo 'B'** Field **No. Desert Creek** State **Utah**
Well No. **B-2** Sec. **7** T. **41S** R. **24E** Meridian **Salt Lake** County **San Juan**
Location **1980** ft. ^[N.] of **S** Line and **1980** ft. ^[E.] of **W** Line of **Sec. 7** Elevation **4739'** **KB**
(Derriek floor relative to sea level)

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

Date **March 13, 1957** Title **Engineer**

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

Commenced drilling **January 23, 1957** Finished drilling **March 6, 1957**

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

No. 1, from **5526** to **5694** No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4	32.75	8RD	Sm. S.	892	Float	-----	---	---	Surface
7"	20 & 23	8RD	Sm. S.	5739	Float	5674	5630	5658	Production

MUDDING AND CEMENTING RECORD **5683 5692**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	892	600	Pump & Plug		
7"	5739	500	Pump & Plug		

PLUGS AND ADAPTERS

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

FOLD MARK

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from **0** feet to **5739** feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
March 13 57
 The production for the first 24 hours was _____ barrels of fluid of which **Shut-In** _____% was oil; _____%
 emulsion; **0**% water; and **0**% sediment. Gravity, °Bé. **100** **0**
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas **41.8**
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
1522			Navajo Sand
2348			Shinerump
2652			De Chelly
2797			Organ Rock
4536			Hermosa
5364			Upper Boundary Butte
5505			Paradox (Desert Creek Tongue)
5517			Lower Boundary Butte
5739			Total Depth

 _____ (OVER) _____ 16-43094-4

FORMATION RECORD - CONTINUED

APR 4 1957

(SUBMIT IN TRIPLICATE)

Indian Agency Window Rock
Allottee Navajo
Lease No. 14-20-603-368

X		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

Handwritten:
2/10/57
C.A.H.
4-9-57

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	XXX
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)

March 13, 19 57

Well No. Navajo B-2 is located 1980 ft. from XX line and 1980 ft. from XX line of sec. 7

NE/4 SW/4 Sec. 7 41S 24E Salt Lake
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
North Desert Creek San Juan Utah
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing

The elevation of the ~~derick floor~~ 4739 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)

Total Depth: 5739'. PBD: 5703'.

7" W.S.O. TEST #1

Perforated 5624' - 25' & 5691 - 92' w/4 jets per foot. Set packer 5615' w/perf'd tail to 5700'. Tool open 1 1/2 hrs. Weak blow of air for 20 min., decreasing for balance of test. Rec. 240' salt water (Hole filled w/salt water). Tool failed to close for SIP. Hyd. 2205#.

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

Company The Superior Oil Company

Address P. O. Box 200

Casper, Wyoming

By George E. Nugent

Title Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency _____

	X		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Window Rock

Allottee Navajo

Lease No. 14-20-603-368

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	XX
NOTICE OF INTENTION TO ABANDON WELL		

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

March 13, 1957

Well No. Navajo B-2 is located 1980 ft. from ^{XXX}S line and 1980 ft. from ^{XXX}W line of sec. 7

<u>NE/4 SW/4 Sec. 7</u> <small>(1/4 Sec. and Sec. No.)</small>	<u>41S</u> <small>(Twp.)</small>	<u>24E</u> <small>(Range)</small>	<u>Salt Lake</u> <small>(Meridian)</small>
<u>North Desert Creek</u> <small>(Field)</small>	<u>San Juan</u> <small>(County or Subdivision)</small>	<u>Utah</u> <small>(State or Territory)</small>	

The elevation of the ~~bottom~~ ^{Kelly Bushing} above sea level is 4739 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: 1-23-57.

Comp: 3-6-57.

T.D.: 5739'.

P.B.T.D.: 5703'.

Cemented 10-3/4" casing at 892' w/600 sax in 15" hole.

Cemented 7" casing at 5739' w/500 sax in 9" hole.

(OVER)

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

Company The Superior Oil Company

Address P. O. Box 200

Casper, Wyoming

By George E. Nugent

Title Engineer

DST #1 5520' - 5612'

Tool open 2 hrs. Good blow w/GTS in 40 min. Rec. 120' gas cut mud, 180' slightly oil & gas cut mud, and 120' heavily oil & gas cut mud. 30 min ISIP 2169#. BHFP 90 - 170#. 1 hr. PSIP 2109#. Hyd. 3044#.

DST #2 5623' - 5720'

Tool open 35 min. Strong blow w/GTS in 3 min, mud to surface in 15 min, and oil to surface in 21 min. Rec. 1485' free oil & 120' mud cut oil. 30 min ISIP 2240#. BHFP 672 - 1216#. 1 hr PSIP 2112#. Hyd. 3019#.

Perforated 5624' to 5630', 5637' to 5658' and 5683' to 5692' w/6 jets per foot.

Washed perforations w/500 gal mud acid.

Flowed 160 Ebls thru 22/64" choke in 5½ hrs. Grav. 41.8° Cut 0.2% BSAW 29 Ebls per hr. or 696 Ebls per day.

(SUBMIT IN TRIPLICATE)

	X	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
Window Rock _____
Allottee Navajo _____
Lease No. 14-20-603-360

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	X
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

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

April 1, 1950

Navajo B-2*

Well No. B 23-7 is located 1980 ft. from ^X ~~N~~ _S line and 1980 ft. from ^E ~~E~~ _W line of sec. 7

NE SW Sec. 7 41S 24E SL BM
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Ratherford San Juan Utah
(Field) (County or Subdivision) (State or Territory)

kelly bushing

The elevation of the ~~drill floor~~ ^{drill floor} above sea level is 4739 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)

Report of Work over: Nov. 12, 1957 thru Nov. 16, 1957.

Set retrievable bridge plug at 5614'.

Perforated: 5524-32', 5542-53', 5561-70', 5575-82', 5598-5606' with 6 jets per foot.

Acid Job #2: (Perfs 5524 thru 5606').

Washed perforations with 500 gal mud acid thru 2 1/2" tbg hung 5605'.
Maximum pressure 3000#.

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

Company The Superior Oil Co.

Address Box 276

Cortez, Colo.

By George E. Nugent
GEORGE E. NUGENT

Title Pet. Engineer

*Former number

APR 9 1958

Flowed 44 bbls in 3 hours thru 24/64" choke, pressure 145#/pkr, cut 3.2% BS & W, gravity 40.3°. 14.9 BPH or 357 BPD rate.

Acid Job #3: (Perfs 5524 thru 5600').

Acidized with 10,000 gal Jel-X-100 (retarded) acid thru 2½" tbg hung 5605'. Maximum pressure 3500#.

Recovered retrievable bridge plug.

Hung 2½", 6.5#, J-55, R-2, BRd, EUE tubing 5639'.

Flowed 136 bbls in 6 hours thru 24/64" choke, pressure 450#/450#, cut 0.4% BS & W, gravity 41.2. 22.6 BPH or 542 BPD rate.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Phillips Petroleum Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, Wyoming 82601</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL & 1980' FWL, Sec. 7</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-369</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo</p> <p>7. UNIT AGREEMENT NAME SW-I-4192</p> <p>8. FARM OR LEASE NAME Ratherford Unit</p> <p>9. WELL NO. 7-23</p> <p>10. FIELD AND POOL, OR WILDCAT Greater Anoth</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 7-T4LS-R24E</p>		
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4739' DEB</p>	<p>12. COUNTY OR PARISH San Juan</p>	<p>13. STATE Utah</p>

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

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

Treat well with 2500 barrels Polymer Water to reduce water production.

Present Production - 126 BOPD, 14 MCFGPD, 1178 BHPD, Pumping.

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

SIGNED *F. G. MORAN* TITLE **Production Superintendent** DATE **October 13, 1971**

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.

U-20-603-369

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

7-23

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. 7-T1S-R24E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, Wyoming 82601

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

1980' FSL & 1980' FWL, Sec. 7

14. PERMIT NO.

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

4739' MEB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) Polymer Water Treatment

(Other)

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

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

November 29, 1971 through December 3, 1971

Treated Zone II with 2500 barrels Polymer water to reduce water production

January 7, 1972 through January 8, 1972

Pumped down annulus combination PH Correction, Polymer Cross-Link and Inhibition Treatment, 200 BW pre-flush, 1000 BW with 350# Polymer Cross-Link, flushed with 200 barrels water and 100 EO. Controlled PH of all water to 3.5.

Production Before: Pumping 126 BOPD, 1178 BWPD from Zone I and II Perfs. 20 x 68" SPM.

Production After: Pumping 106 BOPD, 1015 BWPD from Zone I and II Perfs. 17.5 x 106" SPM.

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

SIGNED

F. C. Morgan

(This space for Federal or State office use)

TITLE

Production Superintendent

DATE

February 29, 1972

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

- 3 - USGS, Farmington, N. Mexico
- 2 - Utah O&G CC, Salt Lake City, Utah
- 1 - Superior Oil Co., Cortez, Colo. *See Instructions on Reverse Side
- 1 - File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-369

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo-Tribal

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

7-23

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. 7-T41S-R24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

P. O. Box 2920, Casper, Wyoming 82601

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

At surface

1980' FSL & 1980' FWL

14. PERMIT NO.

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

4739' 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 ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

Squeeze Zone II, Stimulate and Complete in Zone I

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

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

It is proposed to Squeeze Zone II, Stimulate Zone I, and bring Zone I oil onto production.

Present Production - Shut Down.

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

SIGNED

F. C. Morgan
F. C. Morgan

TITLE

Area Superintendent

DATE

April 8, 1975

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

- 3 - USGS, Farmington, N. Mexico
- 2 - Utah C&G CC, Salt Lake City, Utah
- 1 - R. N. Hughes
- 1 - File

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-369

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo - Tribal

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

7-23

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. 7-T41S-E24E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P. O. Box 2920, Casper, Wyoming 82601

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

1980' FSL and 1980' FWL (NE SW)

14. PERMIT NO.

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

4739' 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 ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

Sq. Zone II, Stimulate
and complete in Zone I

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

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

April 21, 1975 through May 29, 1975

SEE ATTACHED FOR DETAILS

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

SIGNED

F. C. Morgan

TITLE

Area Superintendent

DATE

August 28, 1975

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3-USGS, Farmington, NM
2-Utah O&G CC, Salt Lake City, UT
1-Superior Oil Co., Cortez, CO
1-File

*See Instructions on Reverse Side

REPORT INDIVIDUAL WELL ST

Lease Ratherford Unit Well No. 7-23 Authorization No. P-9820

Summary of Work Performed:

April 21, 1975 - Howco cmt sqzd Zone I & II perfs w/250 sx Class "B". Reperforated Zone I w/4" squeeze gun Hyper Jet II in 4 intervals, 12 holes per interval. Acidized w/6000 gal 28% HCL in four 1500 gal. stages.

AVERAGE DAILY PRODUCTION

	Field and Formation	Oil	Gas	Water
Before Work	Greater Aneth - Paradox	SD, Uneconomical to produce from Zone II		
	Desert Creek - Zone I & II	last test before SD- 10 BOPD, 980 BWPD		
After Work	Greater Aneth - Paradox			
	Desert Creek - Zone I	143	NR	0
Before Work				
After Work				

DATE _____ P.T.D. _____

DAILY REPORT OF WORK PERFORMED

1975
April
24

RATHERFORD UNIT WELL NO. 7-23 PTD 5703. /INITIAL REPORT/. PREP TO RUN CIBP AND CMT RETAINER. MI AND RU R AND R WS UNIT 4/21/75. 4/22/75 - PULL RODS AND TBG. PULL ROD ON PMP PARTED. UNABLE TO FISH PMP, START COH W/WET STRING. SDON. 4/23/75 - FIN COOH W/TBG. WIH W/RETRIEVABLE BP, PKR AND TBG TESTER. SET PKR AT 5612. LOADED ANNULUS W/65 BW. TEST TBG TO 3500 LB. PMP DN TBG TO TEST FOR COMMUNICATION BETWEEN ZONE I AND ZONE II PERFS. PMP 5 BPM AT 400 LB. STRONG BLOW ON CSG. COMMUNICATED. SET RBP AT 5493 FT, SET PKR AT 5427 FT. TEST BP W/1500 LB. PRESS UP ON ANNULUS AND TEST CSG TO 1000 LB, OK. SDON. AFE P-9820 TO SQZ ZONE II, STIMULATE AND PRODUCE ZONE I. LOCATION - NE SW SEC. 7-T41S-R24E, SAN JUAN CO., UTAH. SUB AREA CODE 626. DATE LAST PRODUCED 10/17/74. SD, UNECONOMICAL TO PRODUCE FROM ZONE II. LAST TEST BEFORE SD - 10 BOPD, 980 BWPD..

25

RATHERFORD UNIT WELL NO. 7-23 PTD 5703. PREP TO CMT SQZ. PLD TBG W/PKR AND RBP. RAN TBG W/CIBP, SET BP AT 5612 FT. COOH W/TBG, PU BAKER CMT RETAINER. WIH, SET RETAINER AT 5474 FT. PREPARING TO CMT SQZ COMMUNICATED ZONE I AND II PERFS..

26-28

RATHERFORD UNIT WELL NO. 7-23 PTD 5703. 4/26/75 - HOWCO CMT SQZD ZONE I AND II PERFS. LOAD CSG W/63 BW AND TBG W/23 BW. PRESS UP CSG TO 1000 LB. PMP INTO PERFS 5 BPM AT 2000 LB. MIXED AND PMPD 250 SX CLASS B CMT W/10 PERCENT SALT, .8 PERCENT CFR-2, SQZD W/3500 LB, HOLDING PRESS 2300 LB. DISPLD 140 SX CMT BELOW RETAINER, PU OUT OF RETAINER AND REVERSED OUT 110 SX CMT, START COOH W/TBG. 4/27/75 - FIN COOH W/TBG. WIH W/6-1/8 IN. BIT AND CSG SCRAPER. RU REVERSE CIRC EQUIP. SDON. 4/28/75 - SD OVER SUNDAY. PREP TO DRILL CMT RETAINER AND CEMENT..

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

8/28/75

Date Prepared

J. Morgan
District Approval

DAILY REPORT DETAILED

LEASE Ratherford Unit WELL NO. 7-23 SHEET NO. 2

DATE TOTAL DEPTH NATURE OF WORK PERFORMED

29

RATHERFORD UNIT WELL NO. 7-23 PTD 5703. TAGGED TOP OF CMT AT 5470 FT. DRLD 4 FT OF CMT AND 1-1/2 FT OF RETAINER. BIT QUIT DRLG. COOH TO CHG BIT. SDON..

30
May

RATHERFORD UNIT WELL NO. 7-23 PTD 5703. WIH W/NEW BIT. FIN DRLG RETAINER, DRLD 2 FT OF CMT TO 5478 FT. SDON..

RATHERFORD UNIT WELL NO. 7-23 PTD 5703. DRLD CMT TO 5496 FT. SDON..

2-11

RATHERFORD UNIT WELL NO. 7-23 PTD 5703. DRLD CMT IN CSG FROM 5496 TO 5590 FT. PREP TO COOH W/BIT AND REPERFORATE ZONE 1..

3-5

RATHERFORD UNIT WELL NO. 7-23 PTD 5592. PREP TO PULL TBG AND PKR AND RETURN TO PMPG STATUS. 5/3/75 - FIN COOH W/TBG, DC/S AND BIT. SCHL. PERFD W/4 IN. CSG GUN HYPER JET II IN 4 INTERVALS, 12 HOLES/ INTERVAL, 5575-81, 5561-69, 5542-53 AND 5524-29. SCHL. RAN GR^{COH} LOGS TO PTD 5592 FT. START GIH W/BAKER PKR AND 3 JTS TAIL PIPE. SDON. 5/4/75 - FIN RUNNING TBG AND PKR. PKR SET AT 5473 FT. TAIL PIPE AT 5571 FT. DOWELL ACIDIZED W/6000 GAL 28 PERCENT HCL IN 4 1500 GAL STAGES. MP 3000 LB, ISIP 2800 LB, AIR 2.5 BPM, 15 MIN SIP 2300 LB, OPEN WELL TO TANK, FLWD 230 BBLs ACID WTR. STARTED FLWG OIL. FLWD 10 BW, 90 BO LAST HR. TURNED WELL TO TANK BTRY. 5/5/75 - FLWD TO BTRY, EST. 300 BO AND DIED. PREP TO PULL TBG AND PKR, AND RETURN TO PMPG. 202 BL AND AW TO REC..

6

RATHERFORD UNIT WELL NO. 7-23 PTD 5592. PREP TO RUN FREE POINT INDICATOR. ATTEMPT TO PULL PKR, UNABLE TO RELEASE PKR. RU DOWELL, PMP DN TBG. ATTEMPT TO CIRC ANNULUS. PMP 314 BW, 8 BPM. UNABLE TO LOAD HOLE. CHECK CSG, WAS FULL. SDON..

1975
May
7

RATHERFORD UNIT WELL NO. 7-23 PTD 5592. PREP TO GIH W/OS AND JARS. RU MCCULLOUGH, RAN FREE POINT. TBG STUCK AT TOP OF PKR 5469 FT. FL IN TBG 3150 FT FROM SURFACE. SHOT HOLE IN TBG AT 5468 FT. ANNULUS DID NOT EQUALIZE. SHOT HOLE AT 5467 FT. ANNULUS DID NOT EQUALIZE. SET BAKER N-3 BP AND 2-1/2 IN. TAIL PIPE BELOW PKR AT 5532 FT. ATTMPTD TO PMP DN TBG, UNABLE TO CIRC AT 1200 LB. RAN CHEMICAL CUTTER AND CUT TBG AT 5466 FT. START COOH W/TBG. LEFT IN HOLE - 2-1/2 FT OF 3 IN. TBG, BAKER 3 IN. X 2-1/2 IN. SWAGE, BAKER RETRIEVAMATIC PKR AND 3 JTS 2-1/2 IN. TAIL PIPE. SDON..

8

RATHERFORD UNIT WELL NO. 7-23 PTD 5592. PREP TO RUN TBG AND RODS. FIN COOH W/TBG. WIH W/OS W/LONG SKIRTED MILL, BUMPER SUB AND JARS. FOUND TOP OF CAVINGS AT 5466 FT. CIRC OUT SHALE AND CMT TO PKR AT 5469 FT. JARRED PKR LOOSE AND COOH W/FISH..

9

RATHERFORD UNIT WELL NO. 7-23 PTD 5592. RUNNING RODS AND PMP. RAN 3 IN. TBG. GAS ANCHOR SET AT 5550 FT. TBG INTAKE AT 5524 FT. NO TBG ANCHOR..

DAILY REPORT DETAILED

LEASE Ratherford Unit WELL NO. 7-23 SHEET NO. 3

DATE TOTAL
NATURE OF WORK DEPTH
PERFORMED

10-12 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. PREP TO SET BEAM ON PMPG UNIT. 5/10/75 - RAN RODS AND PMP. 5/11/75 - MI W/GIN TRUCK TO SET BEAM ON UNIT. UNABLE TO SET BEAM, GIN POLE TOO SHORT. 5/12/75 - SD OVER SUNDAY..

13 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. SET BEAM ON PMPG UNIT, STARTED PMPG AT 3/00 PM, 5/12/75. PMPG ON TST, NO GAUGE..

14 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. PMPG. PMPD 14 HRS, 54 BO, 78 BLW, 14-54 IN. SPM. 438 BL AND AW TO REC..

15 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. CONT. TSTG. PMPD 24 HRS, REC 51 BLW, 182 BNO, 14/54-1-3/4 IN. 387 BLW TO REC..

16 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. CONT. TSTG. PMPD 24 HRS, REC 202 BO, 23 BLW. FL 3150 FT. 364 BLW TO REC..

17-19 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. CONT. TSTG. 5/17/75 - PMPD 24 HRS, REC 205 BO, NO WTR. FL 3193 FT. 5/18/75 - PMPD 20 HRS, REC 161 BO, NO WTR. DN 4 HRS ELECTRIC TRBL. 5/19/75 - PMPD 14 HRS, REC 112 BO, NO WTR. DN 10 ELECTRIC TRBL. 364 BLW TO REC..

20 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. CONT. TSTG. PMPD 13 HRS, REC 108 BO, 0 BW. DN 11 HRS, ELECT. TRBL..

21 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. CONT. TSTG. PMPD 19 HRS, REC 136 BO, 0 BW, 14-54-1-3/4. DN 5 HRS, ELECT. TRBL. 364 BLW TO REC..

22 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. CONT. TSTG. PMPD 24 HRS, REC 166 BO, NO WTR, 14-54-1-3/4. 364 BLW TO REC..

23 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. CONT. TSTG. PMPD 12 HRS, REC 89 BO, NO WTR. STARTER BOX KICKED OUT. 364 BLW TO REC..

24-27 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. CONT. TSTG. 5/24/75 - PMPD 24 HRS, REC 145 BO, 3 BW. 5/25/75 AND 5/26/75 - PMPG TEST SEPARATOR MALFUNCTION, NO GAUGE. 5/27/75 - PMPD 24 HRS, REC 133 BO, NO WTR. 361 BLW TO REC..

28 RATHERFORD UNIT WELL NO. 7-23 PTD 5592. CONT. TSTG. PMPD 24 HRS, 149 BO, NO WTR..

DAILY REPORT DETAILED

LEASE Ratherford Unit WELL NO. 7-23 SHEET NO. 4

DATE TOTAL DEPTH
NATURE OF WORK PERFORMED

1975
May
29

RATHERFORD UNIT WELL NO. 7-23 PTD 5592. /FINAL REPORT SUMMARY/. MI AND RU R AND R WS UNIT 4/21/75. PULL RODS AND TBG. WIH W/RBP, PKR AND TBG TESTER. SET PKR AT 5612 FT. LOADED ANNULUS W/65 BW. PMPD DN TBG TO TEST FOR COMMUNICATION BETWEEN ZONE I AND II PERFS. SET RBP AT 5493 FT, PKR AT 5427 FT, TSTD CSG. PLD TBG W/PKR AND RBP. RAN TBG W/CIBP, SET AT 5612 FT. SET CMT RETAINER AT 5474 FT. HOWCO CMT SQZD ZONE I AND II PERFS W/250 SX CLASS "B" CMT W/10 PERCENT SALT AT 3500 LB PRESS. DISPL W/140 SX CMT BELOW RETAINER. PU FROM RETAINER AND REVERSED OUT 110 SX CMT. COOH W/TBG. WIH W/6-1/8 IN. BIT AND CSG SCRAPER. DRLD RETAINER AND CMT TO 5590 FT. REPERFORATED ZONE I W/4 IN. CSG GUN HYPER JET II IN 4 INTERVALS, 12 HOLES/INTERVAL - 5575-81, 5561-69, 5542-53 AND 5524-29. RAN TBG AND PKR. SET PKR AT 5473 FT. ACIDIZED W/6000 GAL 28 PERCENT HCL IN 4 1500 GAL STAGES AT MAX. PRESS. OF 3000 LB. OPENED WELL, FLWD TO TANK, WELL DIED. UNABLE TO RELEASE PKR. RAN FREE POINT, TBG STUCK AT TOP OF PKR AT 5469 FT. RAN CHEMICAL CUTTER AND CUT TBG AT 5466 FT. LEFT IN HOLE - 2-1/2 FT OF 3 IN. TBG, BAKER 3 IN. X 2-1/2 IN. SWAGE, BAKER RETRIEVAMATIC PKR, AND 3 JTS 2-7/8 IN. TAIL PIPE. WIH W/OS AND JARS. JARRED PKR LOOSE AND COOH W/COMPLETE FISH. RAN TBG AND RODS. SET TBG AT 5524 FT. RETURN WELL TO PRODUCTION 3/00 PM, 5/12/75. DATE LAST PRODUCED 10/17/74. SD, UN-ECONOMICAL TO PRODUCE FROM ZONE II. LAST TEST BEFORE SD - 10 BOPD, 980 BWPD. THREE 24 HRS TESTS AFTER WORKOVER 133 BO, NO WTR, 149 BO, NO WTR, 147 BO, NO WTR. AFE P-9820 TO SQZ ZONE II, STIMULATE AND PRODUCE ZONE I. LOCATION - NE SW SEC. 7-T41S-R24E, SAN JUAN CO., UTAH. SUB AREA CODE 626. /FINAL REPORT/..

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 96-004192 ✓
2. NAME OF OPERATOR Phillips Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME Rutherford Unit ✓
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface See Attached		8. FARM OR LEASE NAME 9. WELL NO. 10. FIELD AND POOL, OR WILDCAT N/A
14. PERMIT NO. See Attached		11. SEC., T., R., M., OR BLK. AND ACRES OR AREA See Attached
15. ELEVATIONS (Show whether DF, AT, OR, etc.)		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

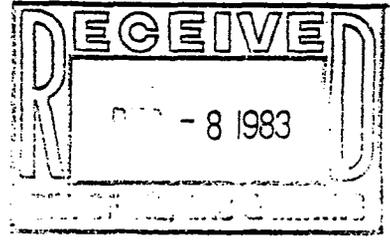
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>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

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

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

To show change of Operator only. Phillips Oil Company assumed operations effective December 1, 1983 from Phillips Petroleum Company. See attached for list of wells.

190 wells
7-23



- | | | |
|---|---|--|
| Org. & 3-BLM
1-The Navajo Nation
1-Mary Wiley Black
1-Lawrence E. Brock
1-Cheveron USA
1-Ralph Fixel
1-Royal Hogan
1-W. O. Keller
1-Dee Kelly Corp. | 1-Robert Klabzuba
1-Micheal J. Moncrief
1-Richard B. Moncrief
1-Lee W. Moncrief
1-Mary H. Morgan
1-W. A. Moncrief
1-W. A. Moncrief, Jr.
1-L. F. Peterson | 1-Shell Oil Co.
1-Southland Royalty Co.
1-Superior Oil Co.
1-Leroy Shave
1-Texaco, Inc.
1-Wade Wiley, Jr.
1-Edwin W. Word, Jr.
1-File |
|---|---|--|

I hereby certify that the foregoing is true and correct

SIGNED *A E Stuart* TITLE Area Manager DATE 12/6/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

<u>WELL NO.</u>	<u>WELL LOCATION</u>	<u>API NO.</u>	<u>STATUS</u>
29-34	SW SE Sec. 29-T41S-R24E	43-037-15340	Act.
30-23	NE SW Sec. 30-T41S-R24E	43-037-15341	SI
30-32	SW NE Sec. 30-T41S-R24E	43-037-15342	SI
32-41	NE NE Sec. 32-T41S-R24E	43-037-15344	SI
1-13	NW SW Sec. 1-T41S-R24E	43-037-15838	Act.
1-24	SE SW Sec. 1-T41S-R24E	43-037-15839	Act.
1-44	SE SE Sec. 1-T41S-R24E	43-037-15840	Act.
6-14	SW SW Sec. 6-T41S-R24E	43-037-15894	Act.
7-12	SW NW Sec. 7-T41S-R24E	43-037-15985	SI
7-14	SW SW Sec. 7-T41S-R24E	43-037-15986	SI
7-23	NE SW Sec. 7-T41S-R24E	43-037-15987	SI
7-32	SW NE Sec. 7-T41S-R24E	43-037-15988	SI
7-34	SW SE Sec. 7-T41S-R24E	43-037-15989	Act.
11-42	SE NE Sec. 11-T41S-R23E	43-037-15841	Act.
11-44	SE SE Sec. 11-T41S-R23E	43-037-15842	Act.
12-11	NW NW Sec. 12-T41S-R23E	43-037-15843	Act.
12-14	SW SW Sec. 12-T41S-R23E	43-037-15844	Act.
12-22	SE NW Sec. 12-T41S-R23E	43-037-15845	Act.
12-23	NE SW Sec. 12-T41S-R23E	43-037-15846	Act.
12-31	NW NE Sec. 12-T41S-R23E	43-037-15847	Act.
12-33	NW SE Sec. 12-T41S-R23E	43-037-15848	Act.
12-41	NE NE Sec. 12-T41S-R23E	43-037-15849	Act.
12-42	SE NE Sec. 12-T41S-R23E	43-037-15850	Act.
13-13	NW SW Sec. 13-T41S-R23E	43-037-15851	Act.
13-22	SE NW Sec. 13-T41S-R23E	43-037-15852	Act.
13-24	SE SW Sec. 13-T41S-R23E	43-037-15853	Act.
13-31	NW NE Sec. 13-T41S-R23E	43-037-15854	Act.
13-33	NW SE Sec. 13-T41S-R23E	43-037-15855	Act.
13-42	SE NE Sec. 13-T41S-R23E	43-037-15857	Act.
14-32	SW NE Sec. 14-T41S-R23E	43-037-15858	Act.
14-33	NW SE Sec. 14-T41S-R23E	43-037-15859	SI
14-42	SE NE Sec. 14-T41S-R23E	43-037-15860	Act.
24-11	NW NW Sec. 24-T41S-R23E	43-037-15861	SI
24-31	NW NE Sec. 24-T41S-R23E	43-037-15862	Act.
E11-14	SW SW Sec. 11-T41S-R24E	43-037-16167	Act.
3-12	SW NW Sec. 3-T41S-R24E	43-037-15620	Act.
3-14	SW SW Sec. 3-T41S-R24E	43-037-15124	Act.
3-23	NE SW Sec. 3-T41S-R24E	43-037-15125	SI
3-32	SW NE Sec. 3-T41S-R24E	43-037-15621	SI
3-44	SE SE Sec. 3-T41S-R24E	43-037-15031	Act.
4-14	SW SW Sec. 4-T41S-R24E	43-037-16163	Act.
4-22	SE NW Sec. 4-T41S-R24E	43-037-15622	SI
4-32	SW NE Sec. 4-T41S-R24E	43-037-15623	SI
4-34	SW SE Sec. 4-T41S-R24E	43-037-16164	Act.
4-42	SE NE Sec. 4-T41S-R24E	43-037-15624	SI
5-34	SW SE Sec. 5-T41S-R24E	43-037-15983	SI
8-12	SW NW Sec. 8-T41S-R24E	43-037-15991	Act.
8-14	SW SW Sec. 8-T41S-R24E	43-037-15992	Act.
8-21	NE NW Sec. 8-T41S-R24E	43-037-15993	Act.
8-23	NE SW Sec. 8-T41S-R24E	43-037-15994	Act.
8-32	SW NE Sec. 8-T41S-R24E	43-037-15995	SI

6. UNIT OPERATOR (Well operator)

Phillips Petroleum Company is hereby designated as Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties of Unit Operator for the development and production of Unitized Substances as herein provided.

Taken from the Ratherford Unit Agreement.
Operator Name Change.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

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

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 DESIGNATION AND SERIAL NO.

14-20-603-368

2. IF KNOWN, ALLOTTEE OR TRIBE NAME

Navajo

3. UNIT ASSIGNMENT NAME

SW-I-4192

4. FARM OR LEASE NAME

Ratherford Unit

5. WELL NO.

7-23 ✓

6. FIELD AND POOL, OR WILDCAT

Greater Aneth

7. SEC., T., R., N., OR S.E., AND SURVEY OR AREA

Sec. 7-T41S-R24E

8. COUNTY OR PARISH

San Juan

9. STATE

Utah

RECEIVED

JUN 10 1985

DIVISION OF OIL
AND GAS MINING

OIL WELL GAS WELL OTHER Conversion

1. NAME OF OPERATOR
Phillips Oil Company

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

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

1980' FSL, 1980' FWL, NESW

14. PERMIT NO.
43-037-15987

15. ELEVATIONS (Show whether DF, ST, OR, etc.)
4739' RKB

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

NOTICE OF INTENTION TO:

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

PLUG OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

(Other) Convert to Water Injection

SUBSEQUENT REPORT OF:

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

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

It is proposed to fish the stuck pump, and convert Ratherford Unit #7-23, a Zone I producing well, to Zone I injection. Upon conversion, the well will be acidized with 4500 gallons 28% HCL.

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

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

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

SIGNED A. E. Stuart

TITLE Area Manager

DATE June 6, 1985

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

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, WY ZIP 82602
 INDIVIDUAL PARTNERSHIP CORPORATION
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE 7W23 WELL
 SEC. 7 TWP. 41N RANGE 24 E
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 type="checkbox"/>

*Refer to unit file
 for attachments*

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>7W23</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>7W23</u> Sec. <u>7</u> Twp. <u>41N</u> Rge. <u>24</u> E			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input 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 1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil & Gas
Location of Injection Source(s) <u>Desert Creek Paradox I & II/ San Juan River</u>	Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5524) San Juan River (Surface)</u>		
Geologic Name of Injection Zone <u>Desert Creek Zone I</u>	Depth of Injection Interval <u>5524 to 5581</u>		
a. Top of the Perforated Interval: <u>5524</u>	b. Base of Fresh Water: <u>1550</u>	c. Intervening Thickness (a minus b) <u>3974</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES		See previously submitted NO material, attachment #4	
Lithology of Intervening Zones <u>See previously submitted material, attachment #1</u>			
Injection Rates and Pressures Maximum <u>500</u> B/D <u>Not to exceed approximately 3000</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>Navajo Tribe, Minerals Dept., P. O. Box 146, Window Rock, AZ 86515</u> <u>Mobil Oil Corp. Attn; Joint Interest Advisor P. O. Box 5444 Denver, CO 80217</u> <u>Texaco Inc., P. O. Box 2100, Denver, CO 80201</u>			

State of Wyoming

Phillips Petroleum Company

County of Natrona

Applicant

Before me, the undersigned authority, on this day personally appeared D. C. Gill 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.

DONALD L. HUDSON, Notary Public

Subscribed and sworn to before me this 21st day of February, 19 86

County of Natrona State of Wyoming

SEAL

Donald L. Hudson

My Commission Expires Nov. 3, 1986

My commission expires November 3, 1986

Notary Public in and for Natrona Co., Wyoming

INSTRUCTIONS

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

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	32.75 [#] 10 ³ / ₄ "	878.96	600 SX	Surface	Returns
Intermediate	NONE	—			
Production	20 [#] / ₂₃ [#] 7"	5730.65	500 SX	3940	TEMP. SURVEY
Tubing	2-3/8 or 2-7/8		Name - Type - Depth of Tubing Packer (5424)		
			Baker type AB Tension Pkr or Similar		
PB Total Depth 5592	Geologic Name - Inj. Zone Desert Creek Zone 1	Depth - Top of Inj. Interval 5524	Depth - Base of Inj. Interval 5581		

LOCATION: NE SW SEC 1 - T 4 N - R 6 E
FIELD: GREATER ANETH
RESERVOIR: DESERT CREEK ZON I

WI COMPLETION: injector /
PRESENT STATUS: proposed conversion

RKB 4728
GL 4739'

SURFACE CASING: 10 3/4"
32.75# J-55

WELL # 7W23

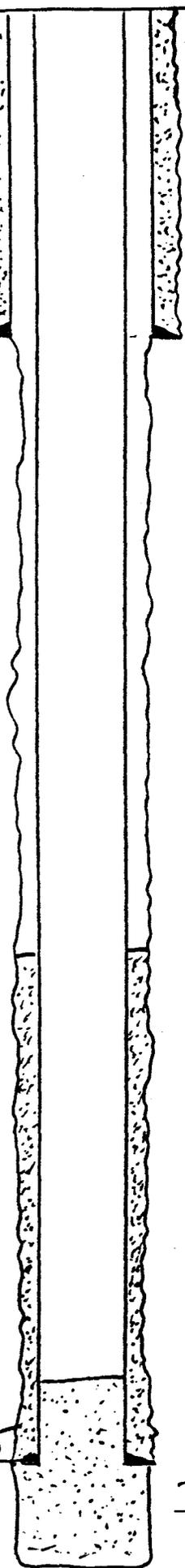
878.96'

PRODUCTION CASING: 7"
20#/23# J-55

PERFORATIONS:
5524-29
5542-53
5561-69
5575-81

PACKER: Baker AB Type
Tension pkr or Similar
@ 5424

PBTD: 5592
OTD: 5730.65
5730.65'



Phillips Petroleum Company



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 13, 1986

Newspaper Agency
Legal Advertizing
Mezzanine Floor
143 South Main
Salt Lake City, Utah 84111

Gentlemen:

RE: UIC-079

Attached hereto is a Notice of Application of Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 20th day of March. In the event that said notice cannot be published by this date, please notify this office immediately by calling 538-5340 Ex. 5296.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Very truly yours,
DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Marjorie L. Anderson".

MARJORIE L. ANDERSON
Administrative Assistant

mfp
0045A



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 13, 1986

San Juan Record
Legal Advertising
Monticello, Utah 84535

Gentlemen:

RE: UIC-079

Attached hereto is a Notice of Application of Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

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Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Very truly yours,
DIVISION OF OIL, GAS AND MINING

MARJORIE L. ANDERSON
Administrative Assistant

mfp
0045A

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---oo0oo---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-079
OF PHILLIPS PETROLEUM COMPANY, :
FOR ADMINISTRATIVE APPROVAL TO :
INJECT FLUID INTO CONVERTED :
ENHANCED RECOVERY INJECTION WELLS :
LOCATED IN SECTIONS 6, 7, & 8, :
TOWNSHIP 41 SOUTH, RANGE 24 EAST; :
AND SECTION 1, TOWNSHIP 41 SOUTH, :
RANGE 23 EAST, S.L.M., SAN JUAN :
COUNTY, UTAH

---oo0oo---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED
MATTER.

Notice is hereby given that Phillips Petroleum Company, P.O. Box
2920, Casper, Wyoming, 82602 has requested administrative approval
from the Division to convert the following listed wells to enhanced
recovery water injection wells:

RATHERFORD UNIT

<u>WELL</u>	<u>LOCATION</u>	<u>WELL</u>	<u>LOCATION</u>
#1-44	Sec. 1, T41S, R23E	#7-32	Sec. 7, T41S, R24E
#1-24	Sec. 1, T41S, R23E	#7-23	Sec. 7, T41S, R24E
#1-13	Sec. 1, T41S, R23E	#7-14	Sec. 7, T41S, R24E
#6-14	Sec. 6, T41S, R24E	#7-12	Sec. 7, T41S, R24E
#7-34	Sec. 7, T41S, R24E	#8-14	Sec. 8, T41S, R24E

Injection Interval: Desert Creek 5,479' to 5,929'
Maximum Estimated Surface Pressure: 3000 psig
Maximum Estimated Water Injection Rate: 500 BWPD

Approval of this application will be granted unless objections are
filed with the Division of Oil, Gas and Mining within fifteen days
after publication of this Notice. Objections, if any, should be
mailed to the Division of Oil, Gas and Mining, Attention: UIC Program
Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake
City, Utah 84180-1203.

DATED this 13th day of March, 1986.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Marjorie L. Anderson
MARJORIE L. ANDERSON
Administrative Assistant



STATE OF UTAH
 NATURAL RESOURCES
 Oil, Gas & Mining

Norman H. Bangerter, Governor
 Dee C. Hansen, Executive Director
 Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 8, 1986

Phillips Petroleum Company
 P.O. Box 2920
 Casper, Wyoming 82602

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-079

Administrative approval is hereby granted to convert the following wells to Class II enhanced recovery water injection wells:

RATHERFORD UNIT - San Juan County, Utah

<u>WELL</u>	<u>LOCATION</u>	<u>WELL</u>	<u>LOCATION</u>
#1-44	Sec. 1, T41S, R23E	#7-32	Sec. 7, T41S, R24E
#1-24	Sec. 1, T41S, R23E	#7-23	Sec. 7, T41S, R24E
#1-13	Sec. 1, T41S, R23E	#7-14	Sec. 7, T41S, R24E
#6-14	Sec. 6, T41S, R24E	#7-12	Sec. 7, T41S, R24E
#7-34	Sec. 7, T41S, R24E	#8-14	Sec. 8, T41S, R24E

This approval is conditional upon full compliance with the UIC rules and regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the well as outlined in the application submitted.

If you have any questions concerning this matter, please do not hesitate to call or write.

Best regards,

Dianne R. Nielson
 Director

mfp
 7627U

Publication was sent to the following:

Navajo Tribe
PO Box 146
Window Rock, Arizona 86515

Mobil Oil Company
Attn: Joint Interest Advisor
PO Box 5444
Denver, Colorado 80217

Texaco, Inc.
PO Box 2100
Denver, Colorado 80201

Phillips Petroleum Company
PO Box 2920
Casper Wyoming 82602

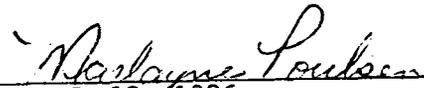
Utah State Department of Health
Water Pollution Control
Attn: Loren Morton
4241 State Office Building
Salt Lake City, Utah 84114

U.S. Environmental Protection Agency
Suite 1300
Attn: Mike Strieby
999 18th Street
Denver, Colorado 80202-2413

Bureau of Land Management
consolidated Financial Center
324 South State Street
Salt Lake City, Utah 84111-2303

Newspaper Agency
Legal Advertizing
Mezzanine Floor
143 South Main
Salt Lake City, Utah 84111

San Juan Record
Legal Advertizing
Monticello, Utah 84535


March 13, 1986

Mobil Oil Corporation

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

May 14, 1986

RECEIVED
MAY 16 1986

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

Attn: R. J. Firth
Associate Director

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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

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

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

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

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

Affidavit of Publication

STATE OF UTAH,
County of Salt Lake

ss.

Cheryl Gierloff

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH, CAUSE NO. UIC-079

IN THE MATTER OF THE APPLICATION OF PHILLIPS PETROLEUM COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT FLUID INTO CONVERTED ENHANCED RECOVERY INJECTION WELLS LOCATED IN SECTIONS 4, 7, & 8, TOWNSHIP 41 SOUTH, RANGE 24 EAST, AND SECTION 1, TOWNSHIP 41 SOUTH, RANGE 23 EAST, S.L.M., SAN JUAN COUNTY, UTAH.

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER:

Notice is hereby given that Phillips Petroleum Company, P.O. Box 2726, Casper, Wyoming, 82602 has requested administrative approval from the Division to convert the following listed wells to enhanced recovery water injection wells:

Well	Location
#1-46	Sec. 1, T41S, R23E
#1-24	Sec. 1, S41S, R23E
#1-13	Sec. 1, T41S, R24E
#6-14	Sec. 4, T41S, R24E
#7-34	Sec. 7, T41S, R24E
#7-32	Sec. 7, T41S, R24E
#7-23	Sec. 7, T41S, R24E
#7-14	Sec. 7, T41S, R24E
#7-12	Sec. 7, T41S, R24E
#8-14	Sec. 8, T41S, R24E

Injection Interval: Desert Creek 5,479' to 5,927'

Maximum Estimated Surface Pressure: 3000 psig

Maximum Estimated Water Injection Rate: 500 BWPD

Approval of this application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to the Division of Oil, Gas and Mining, Attention: UIC Program Manager, 385 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

DATED this 13th day of March, 1986.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. ANDERSON
Administrative Assistant
H-33

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

Cause No. UIC-079 Application of Phillips

Petroleum Company

was published in

March 20

10 copies

Cheryl Gierloff
Advertising Clerk

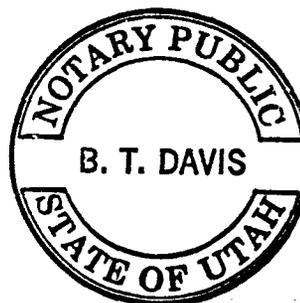
Subscribed and sworn to before me this day of
March A.D. 1986

B. T. Davis

Notary Public

My Commission Expires

March 1, 1988



AFFIDAVIT OF PUBLICATION

Public notice

BEFORE THE DIVISION OF
OIL, GAS AND MINING
DEPARTMENT OF
NATURAL RESOURCES
STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF PHILLIPS PETROLEUM COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT FLUID INTO CONVERTED ENHANCED RECOVERY INJECTION WELLS LOCATED IN SECTIONS 6, 7, & 8, TOWNSHIP 41 SOUTH, RANGE 24 EAST, AND SECTION 1, TOWNSHIP 41 SOUTH, RANGE 23 EAST, S.L.M., SAN JUAN COUNTY, UTAH

CAUSE NO: UIC-079

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that Phillips Petroleum Company, P.O. Box 2920, Casper, Wyoming, 82602 has requested administrative approval from the Division to convert the following listed wells to enhanced recovery water injection wells:

RATHERFORD UNIT

#1-44	Sec. 1, T41S, R23E
#1-24	Sec. 1, T41S, R23E
#1-13	Sec. 1, T41S, R23E
#6-14	Sec. 6, T41S, R24E
#7-34	Sec. 7, T41S, R24E
#7-32	Sec. 7, T41S, R24E
X #7-23	Sec. 7, T41S, R24E
#7-14	Sec. 7, T41S, R24E
#7-12	Sec. 7, T41S, R24E
#8-14	Sec. 8, T41S, R24E

Injection Interval: Desert Creek 5,479' to 5,929'

Maximum Estimated Surface Pressure: 3000 psig

Maximum Estimated Water Injection Rate: 500 BWPD

Approval of this application will be granted unless objections are filed with the Division of Oil, Gas and Mining within 15 days after publication of this Notice. Objections, if any, should be mailed to the Division of Oil, Gas and Mining Attention: UIC Program Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84108-1203.

DATED this 13th day of March, 1986.
STATE OF UTAH

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. ANDERSON
Administrative Assistant

Published in The San Juan Record
March 19, 1986.

I, Joyce Martin, being duly sworn,
depose and say that I am the publisher of the San
Juan Record, a weekly newspaper of general circulation
published at Monticello, Utah, every Wednesday; that
notice of request for administrative approval to
inject fluid into converted wells, Cause # UIC-079
a copy of which is hereunto attached, was published in
the regular and entire issue of each number of said
newspaper for a period of one issues, the first
publication having been made on March 19, 1986.
and the last publication having been made on _____

Signature _____

Joyce A Martin

Publisher

Subscribed and sworn to before me this 19th

day of March, A.D. 1986

Frederic K Adams

Notary Public
Residing at Monticello, Utah

My commission expires December 2, 1987

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

SUBMIT IN TRIPlicate*
(Other instructions 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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Phillips Petroleum Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, Wyoming 82602</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL & 1980' FWL, NE SW</p> <p>API #43-037-15987</p> <p>14. PERMIT NO.</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-369</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo</p> <p>7. UNIT AGREEMENT NAME SW-I-4192</p> <p>8. FARM OR LEASE NAME Ratherford Unit</p> <p>9. WELL NO. 7-23</p> <p>10. FIELD AND POOL, OR WILDCAT Greater Aneth</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 7-T41S-R24E</p> <p>12. COUNTY OR PARISH 13. STATE San Juan Utah</p>
<p>15. ELEVATIONS (Show whether DV, ST, GR, etc.) 4739' RKB</p>		

RECEIVED

DEC 08 1986

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) Convert to Wtr Inj. <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.)*

July 25, 1986 through July 29, 1986

MI WS Unit 7/25/86. Tag fill at 5530'. Clean out to 5593' (well took 605 BW while cleaning out). Set pkr at 5587'. Test top cmt at 5593' to 2600 psi for 15 min. Reset pkr at 5497'. Test csg, csg leaked 800 psi at 2.5 BPM. Tested csg up to 2696', 800 psi at 2.5 BPM. WIH w/BP set at 2220', would not test. Left BP, pulled pkr to 30', tested pkr. Isolate hole - top at 924', btm at 2335'. Set BP at 2850'. Wait on orders. PU BP & COOH, LD 91 jts. WIH w/2-7/8" tbg. COOH & LD 2-7/8" workstring. NU wellhead. Release Rig 7/29/86. Shut down pending evaluation - possible csg leak 924-2335'.

- | | |
|------------------------|----------------|
| 4-BLM, Farmington, NM | 1-Chieftain |
| 2-Jean O&G CC, SLC, UT | 1-Mobil Oil |
| 1-M. Williams, B'Ville | 1-Texaco, Inc. |
| 1-J. Landrum, Denver | 1-Chevron USA |
| 1-J. Reno, Cortez | 1-File RC |

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

SIGNED *D.C. Gill* TITLE Area Manager DATE 12/4/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-368	
2. NAME OF OPERATOR Phillips Petroleum Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo 012917	
3. ADDRESS OF OPERATOR P.O. Box 2920, Casper, WY 82602		7. UNIT AGREEMENT NAME SW-I-4192	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL & 1980' FWL (NE SW)		8. FARM OR LEASE NAME Ratherford Unit	
14. PERMIT NO. 43-037-15987		9. WELL NO. 7-23	
15. ELEVATIONS (Show whether DF, ET, CR, etc.) 4739' RKB		10. FIELD AND POOL, OR WILDCAT Greater Aneth	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 7-T41S-R24E	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

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

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

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

It is proposed to repair the casing leak in Ratherford Unit #7-23 by running a liner from TD to surface (cement will be circulated to surface). Zone I will be reperfed and acidized with 4500 gallons 28% HCl acid. The well will then be converted to a water injection well and placed on injection.

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

JAN 09 1987

DIVISION OF
OIL, GAS & MINING

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 1/16/87
BY: [Signature]

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

SIGNED [Signature] TITLE Area Manager DATE December 29, 1986

(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 # 7W23

LOCATION NE SW sec. 7

RKB Elev. 4739'

T415-R24E

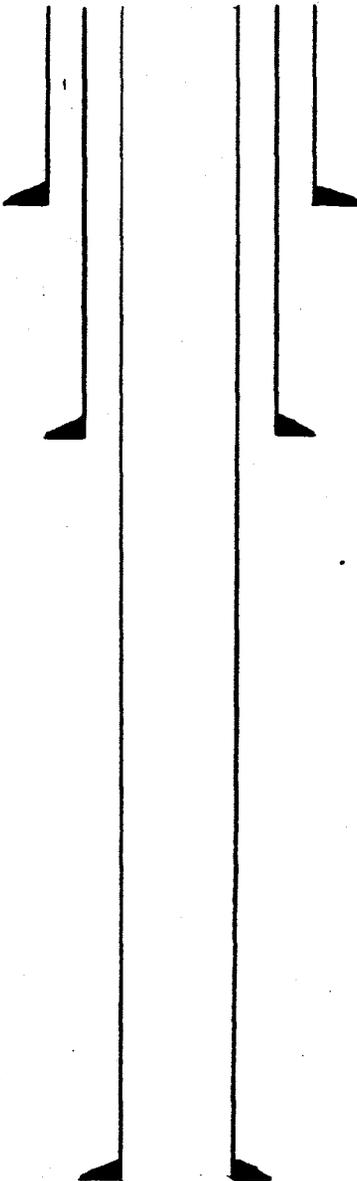
GL Elev. 4728'

Well Drld 3/6/57

RKB Above GL' 11'

Well converted to injector 3/25/87

42 SHEETS 50 SQUARE
 43 SHEETS 50 SQUARE
 44 SHEETS 50 SQUARE
 NATIONAL



CONDUCTOR CSG 10 3/4" @ 892'

SURFACE CSG. 7" @ 5739'

TOC 3940' CALC.

TUBING 2 3/8" @ 5450' Duoline HT2

PACKER OTIS INTER-LOCK PACKER

NI COATED @ 5450'

PERFS 5523 - 28 _____

5542 - 49 _____

5560 - 68 _____

PBTD 5588'

PRODUCTION CSG. 4 1/2" @ 5611'

K-55 11.6#

All PERFS ZONE I UNLESS NOTED

Commencement

MONTHLY REPORT OF ENHANCED RECOVERY PROJECT - PART 2

MONTHLY MONITORING OF INJECTION WELLS

Well Name	Inj. Press.	Inj. Rate	Annulus Press.	Monthly Inj. Vol.
Ratherford Unit, Well #				
E14W21 ✓	SI	SI		SI
E14W23 ✓	SI	SI		SI
✓ 1W13 43-037-15838	1775	279		5300
✓ 1W24 43-037-15839	2175	335		10380
✓ 1W44 43-037-15840	0	214		16634
✓ 2W44 43-037-16386	2250	316		9793
✓ 3W42 43-037-16388	SI	-SI		SI
✓ 5W43 43-037-16392	1420	26		805
✓ 6W14 43-037-15984	2175	295		9142
✓ 6W23 43-037-15989	SI	SI		SI
✓ 7W12 43-037-15985	2075	351		10876
✓ 7W14 43-037-15984	2100	123		3812
✓ 7W21 43-037-16294	2000	7		217
3-27-87 ✓ 7W23 43-037-15987	0	204		1020
✓ 7W32 43-037-15988	2000	96		2976
✓ 7W34 43-037-15989	2000	68		2106
✓ 7W41 43-037-15990	325	265		8213
✓ 7W43 43-037-16395	1875	1		31
✓ 8W14 43-037-15992	1980	1		31
✓ 8W43 43-037-16394	1120	329		10195
✓ 9W21 43-037-16397	1100	233		7222

Commencement

MONTHLY REPORT OF ENHANCED RECOVERY PROJECT - PART 2

MONTHLY MONITORING OF INJECTION WELLS

<u>Well Name</u>	<u>Inj. Press.</u>	<u>Inj. Rate</u>	<u>Annulus Press.</u>	<u>Monthly Inj. Vol.</u>
Ratherford Unit, Well #				
E14W21 ✓	SI	SI		SI
E14W23 ✓	SI	SI		SI
✓ 1W13-43-037-15838	1775	279		5300
✓ 1W24 43-037-15839	2175	335		10380
✓ 1W44 43-037-15840	0	214		16634
✓ 2W44 43-037-16386	2250	316		9793
✓ 3W42 43-037-16388	SI	SI		SI
✓ 5W43 43-037-16392	1420	26		805
✓ 6W14 43-037-15984	2175	295		9142
✓ 6W23 43-037-16395	SI	SI		SI
✓ 7W12 43-037-15985	2075	351		10876
✓ 7W14 43-037-15984	2100	123		3812
✓ 7W21 43-037-16394	2000	7		217
3-07-87				
✓ 7W23-43-037-15987	0	204		1020 ✓
✓ 7W32 43-037-15988	2000	96		2976
✓ 7W34 43-037-15989	2000	68		2106
✓ 7W41 43-037-15990	325	265		8213
✓ 7W43 43-037-16395	1875	1		31
✓ 8W14 43-037-15992	1980	1		31
✓ 8W43 43-037-16394	1120	329		10195
✓ 9W21 43-037-16397	1100	233		7222

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(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.)

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

RECEIVED
MAR 20 1989

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

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

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

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

(former Operator - Phillips Oil Company)

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

415-24E-7 637-15987

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

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

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

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

Form approved by
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.)

RECEIVED
AUG 31 1989
DIVISION OF
OIL AND GAS MINING

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER: <u>Water Injection</u>		8. LEASE DESIGNATION AND SERIAL NO. <u>14-20-603-369</u>
2. NAME OF OPERATOR <u>Phillips Petroleum Company</u>		9. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>Navajo</u>
3. ADDRESS OF OPERATOR <u>P. O. Box 1150, Cortez, CO 81321</u>		7. UNIT AGREEMENT NAME <u>SW-I-4192</u>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface</u> <u>1980' FSL & 1980' FWL, NE SW</u>		8. FARM OR LEASE NAME <u>Ratherford Unit</u>
14. PERMIT NO. <u>API #43-037-15987</u>	15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>4739 RKB</u>	9. WELL NO. <u>#7W23</u>
		10. FIELD AND POOL, OR WILDCAT <u>Greater Aneth</u>
		11. SEC., T., R., M., OR BLK. AND SUBST OR AREA <u>Sec 7-T41S-R24E</u>
		12. COUNTY OR PARISH 13. STATE <u>San Juan Utah</u>

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

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

(NOTE: Report results of multiple completion or 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.)*

July 31, 1989 Through August 7, 1989

RU well service unit 7/31/89. ND wellhead, NU BOP. COOH w/tbg & pkr. GIH w/3-3/4" blade bit, 4-1/2" csg scraper, 4-1/2" csg wire brush and 174 jts 2-3/8" workstring. Drld & cleaned out well to 5588', PBTD. COOH w/csg brush, scraper, and blade bit. Set pkr at 5452', tested OK. Acidized w/total of 504 gals 28% MSR DAD acid displaced w/24 bbls wtr, and 2,016 gals HCL, displaced w/24 bbls wtr. Avg rate 2 BPM at 2400 psi. ISIP 2250 psi, 5 min 2150 psi, 10 min 1900 psi, 15 min 1800 psi. Flwd and swbd back load. Rel pkr and COOH w/workstring. GIH w/Otis Interlock 4-1/2" pkr & 174 jts 2-3/8" tbg, testing to 3000 psi. Set pkr at 5452'. ND BOP, NU wellhead. Ran UIC test to 1000 psi for 30 min. OK. RD well service unit and returned well to injection 8/7/89.

Inj Before Workover - 7 BWPD @ 2450 psi
Inj After Workover - 70 BWPD @ 2550 psi

- | | |
|---------------------|------------------------|
| 5 - BLM, Farmington | 1 - Mobil Oil |
| 2 - Utah O&G CC | 1 - Texaco, Inc. |
| 1 - N. Anstine | 1 - Chevron, USA |
| 1 - S. H. Oden | 1 - Cortez Office - RC |
| 1 - Chieftain | 1 - Houston Office |

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

SIGNED S. H. Oden TITLE District Superintendent DATE August 25, 1989
S. H. Oden

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1008-1135
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Phillips Petroleum Company

3. Address and Telephone No.
 P. O. Box 1150, Cortez, CO 81321

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 660' FNL & 2022' FWL, NE NW, Sec. 28-T41S-R24E

RECEIVED
MAY 16 1990

DIVISION OF
OIL, GAS & MINING

5. Lease Designation and Serial No.
14-20-603-369

6. If Indian, Allottee or Tribe Name
Navajo

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

8. Well Name and No.
Ratherford #7W23

9. API Well No.
43-037-15987

10. Field and Pool, or Exploratory Area
Greater Aneth

11. County or Parish, State
San Juan, Utah

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

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

Clean out well for UIC Test
 (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.)

April 16, 1990 Through April 18, 1990

MI & RU well service unit 4/16/90. ND WH, NU BOP. Rel 4-1/2" Otis Interlock pkr and COOH w/inj tbg. GIH w/3-7/8" bit, 4-1/2" csg scraper, 4-1/2" brush, 2-3/8" work-string. Cleaned out well to PBD 5588'. COOH w/bit, csg scraper, brush, and work-string. GIH w/4-1/2" Otis Interlock pkr w/on-off tool and 174 jts 2-3/8" Rice duolined tbg, drifting barrier rings and testing tbg to 3000 psi. Set pkr at 5454'. Pressured annulus to 1000 psi, OK. Disengaged on-off tool, pmpd 70 bbls pkr fluid containing 1/2 drum Well Chem WA-840. Engaged on/off tool. ND BOP, NU WH. Ran UIC test to 1000 psi for 45 min, OK. NU inj line. RD & MO well service unit and returned well to injection 4/18/90.

Distribution:

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

OIL AND GAS	
DPN	RJF
JRB	1 - GLH ✓
BTS	SLS

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

Signed S. H. Oden S. H. Oden Title District Superintendent

(This space for Federal or State office use)

Approved by _____ Title _____
 Conditions of approval, if any:

UIC
 GLE
 DJJ
 BGH
 COMPUTER
 MICROFILM
 FILE

5-11-90
 Date
 MICROFILM
 FILE
 Date

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

RECEIVED

JUN 19 1991

5. Lease Designation and Serial No.
14-20-603-409

6. If Indian, Allottee or Tribe Name
Navajo Tribal

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

8. Well Name and No.
Ratherford Unit #7W23

9. API Well No.
43-037-15987

10. Field and Pool, or Exploratory Area
Greater Aneth

11. County or Parish, State
San Juan, Utah

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

2. Name of Operator
Phillips Petroleum Company

DIVISION OF
OIL GAS & MINING

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
~~1980' FSL 1980 FWL~~
~~660' FNL & 2022' FWL NE/SW~~
Sec. 728, T41S, R24E

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

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

4-30-91 thru 5-3-91

MI & RU service equipment. ND WH and NU BOP. Released pkr. COOH w/32 stds. 2-3/8" tbg. Flowed down tbg. COOH w/tbg. Total 174 jts 2-3/8" Rice duolined tbg. LD OTIS Interlock pkr. PU 3-7/8" bit, 4-1/2" csg scraper, GIH w/work string to 5588'. Circ well clean. COOH w/tbg, bit & scraper. RU Hydro-tester. Tested to 5000 psi. RD Hydro-tester & set pkr @ 5438', tested to 500 psi. RU Dowell. Tested lines to 4000 psi. Pmpd 1000 gals 28% HCl gelled acid w/additives, 250 gal rock salt diverter, 1000 gal acid, 250 gal diverter, 1000 gal acid. Displaced w/50 bbls H2O. Ave pressure 2400 psi. RD Dowell. SI well for 3 hours. Opened well @ 2100 psi. Flowed back 152 bbls fluid. Released R-3 pkr. COOH, LD 2-3/8" work string. PU OTIS 4-1/2" Interlock pkr w/on-off tool. Tested tubing to 3000 psi - okay. Disengaged on/off tool, pmpd 72 bbls wtr containing 27.5 gals well chem WA-840 for pkr fluid. Performed UIC test for 45 min. @ 1080 psi. Returned well to injection.

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

Signed T. E. Robinson

Title Sr. Drlg. & Prod. Engr.

Date 6-5-91

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.
14-20-603-409

6. If Indian, Allottee or Tribe Name
Navajo Tribal

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

8. Well Name and No.
Ratherford Unit #7W23

9. API Well No.
43-037-15987

10. Field and Pool, or Exploratory Area
Greater Aneth

11. County or Parish, State
San Juan, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

RECEIVED

JUN 19 1991

1. Type of Well
 Oil Well Gas Well Other WIW

2. Name of Operator
Phillips Petroleum Company

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
¹⁹⁸⁰ ~~660~~ FNL & ¹⁹⁸⁰ ~~2022~~ FWL NE/NW
 Sec. ~~28~~, T41S, R24E

DIVISION OF
OIL GAS & MINING

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

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

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

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

5-13-91 thru 5-23-91
 MIRU service equipment. Bleed off tbg & csg. Release OTIS pkr & PPO. Total 173 jts. 2-3/8" Rice tbg in hole. LD 2 damaged jts. PU, TIH w/Mt States B-2 BP & tension type pkr on 2-3/8" work string to set BP @ 5450' & pkr @ 5440'. PT BP/Pkr seal via tbg to 2300 psi. Bled off pressure. Release pkr, latch BP & pull up hole to set BP @ 5390' & pkr @ 5380'. PT BP/Pkr seal via tbg to 2100 psi. Tested csg w/bridge and pkr to 2300 psi. Pulled tools out and TIH w/3-7/8" bit and 4-1/2" csg scraper. COOH w/bit and scraper. RU slick line unit. Ran impression block. Found restriction @ 2692-2697'. RD slick line unit. PU 3-3/4" tapered mill. TIH to 2697' & trimmed up tight spot w/2 36" pipe wrenches rotating mill. COOH w/tapered mill. LD mill. RU RBP and pkr set plug @ 5400'. Retrieved RBP. COOH. LD RBP and pkr. RU another RBP & Pkr, ran to 2500' and set RBP. Tested to 1500 psi, okay, 3000'-okay, 5400'-okay. COOH w/120 jts of work string. LD 51 jts and LD pkr. RU 4-1/2" Baker Inverted Lok Set pkr w/OTIS on/off tool w/tbg test plug, drifted barrier rings, tested 172 jts 2-3/8" Rice duolined tbg to 3000 psi. Flowed well down and tested 172 jts to 3000 psi - okay. Set pkr & tested csg to 1000 psi - okay. Disengaged on/off tool, pumped 74 bbls wtr containing 1/2 drum WA-840 for packer fluid. Engaged on/off tool, pkr set @ 5396'. ND BOP, NU WH, flushed inj. line. Ran MIT to 1020 psi 45 min.-okay. NU inj. line to well, returned to inj. RD MO (OVER)

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

Signed *F. Robinson* Title Sr. Drlg. & Prod. Engr. Date 6-11-91
 (This space for Federal or State office use)

Approved by _____ Title _____ Date _____
 Conditions of approval, if any:

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

*See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.

14-20-603-368

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

Ratherford Unit
SW-I-4192

8. Well Name and No.

Ratherford Unit #7W23

9. API Well No.

43-037-15987

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Utah

SUBMIT IN TRIPLICATE

JUL 29 1991

DIVISION OF
OIL GAS & MINING

1. Type of Well

Oil Well Gas Well Other WIW

2. Name of Operator

Phillips Petroleum Company

3. Address and Telephone No.

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

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

1980' FSL & 1980' FWL NE/SW
Sec. 7, T41S, R24E

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

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

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

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

5-13-91 thru 5-23-91 (CORRECTED COPY)
MIRU service equipment. Bleed off tbg & csg. Release OTIS pkr & PPO. Total 173 jts. 2-3/8" Rice tbg in hole. LD 2 damaged jts. PU, TIH w/Mt States B-2 BP & tension type pkr on 2-3/8" work string to set BP @ 5450' & pkr @ 5440'. PT BP/Pkr seal via tbg to 2300 psi. Bled off pressure. Release pkr, latch BP & pull up hole to set BP @ 5390' & pkr @ 5380'. PT BP/Pkr seal via tbg to 2100 psi. Tested csg w/bridge and pkr to 2300 psi. Pulled tools out and TIH w/3-7/8" bit and 4-1/2" csg scraper. COOH w/bit and scraper. RU slick line unit. Ran impression block. Found restriction @ 2692-2697'. RD slick line unit. PU 3-3/4" tapered mill. TIH to 2697' & trimmed up tight spot w/2 36" pipe wrenches rotating mill. COOH w/tapered mill. LD mill. RU RBP and pkr set plug @ 5400'. Retrieved RBP. COOH. LD RBP and pkr. RU another RBP & Pkr, ran to 2500' and set RBP. Tested to 1500 psi, okay, 3000'-okay, 5400'-okay. COOH w/120 jts of work string. LD 51 jts and LD pkr. RU 4-1/2" Baker Inverted Lok Set pkr w/OTIS on/off tool w/tbg test plug, drifted barrier rings, tested 172 jts 2-3/8" Rice duolined tbg to 3000 psi. Flowed well down and tested 172 jts to 3000 psi - okay. Set pkr & tested csg to 1000 psi - okay. Disengaged on/off tool, pumped 74 bbls wtr containing 1/2 drum SA-840 for packer fluid. Engaged on/off tool, pkr set @ 5396'. ND BOP, NU WH, flushed inj. line. Ran MIT to 1020 psi 45 min.-okay. NU inj. line to well, returned to inj. RD MO (OVER)

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

Signed

D.E. Robinson
D.E. ROBINSON

Title Sr. Drlg. & Prod. Engr.

Date 7-22-91

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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

USRA
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

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

L.B. Sheffield
~~BRIAN BERRY~~
~~MEPNA MOBIL~~
 POB 219031 1807A RENTWR F.O. DRAWER G
 DALLAS TX 75221-9031 CORTEZ, Co. 81321

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT (Highlight Changes)

**931006 updated. See*

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

RECEIVED

SEP 13 1993

DIVISION OF OIL, GAS & MINING

COMMENTS: *PLEASE NOTE ADDRESS change. All in ~~ASU~~ PRODUCTION Reports will be compiled and sent from the Cortez, Co. office IN THE FUTURE.*

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

Date: 9/5/93

Name and Signature: *Lwell B Sheffield*

Telephone Number: 303 865 2212
246 58 2528

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO TRIBAL

1. OIL WELL GAS WELL OTHER

7. UNIT AGREEMENT NAME

RATHERFORD UNIT

2. NAME OF OPERATOR

MOBIL OIL CORPORATION

8. FARM OR LEASE NAME

3. ADDRESS OF OPERATOR

P. O. BOX 633 MIDLAND, TX 79702

9. WELL NO.

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

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

DIVISION OF
OIL, GAS & MINING

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

14. API NO.

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

12. COUNTY
SAN JUAN

13. STATE
UTAH

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

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

APPROX. DATE WORK WILL START _____

DATE OF COMPLETION _____

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

* Must be accompanied by a cement verification report.

AS OF JULY1, 1993, MOBIL OIL CORPORATION IS THE OPERATOR OF THE RATHERFORD UNIT.
ATTACHED ARE THE INDIVIDUAL WELLS.

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

SIGNED Shirley Todd

TITLE ENV. & REG TECHNICIAN

DATE 9-8-93

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

Sept 29, 1993

TO: Lisha Cordova - Utah Mining
Oil & Gas

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

Here is copy of Rutherford Unit
Successor Operator.

4 pages including this one.

Like Rotherford 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

MINERALS DIVISION
NO. 1
DATE
BY
REMARKS
FILED
ALL SUPPLY
FILED

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

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 Rotherford Unit.

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

Sincerely,

ACTING Area Director

Enclosure

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

RECEIVED
BLM

DESIGNATION OF OPERATOR

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

JUN 27 09:44

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

070 FARMINGTON, NM

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

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

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

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

Attached hereto as Exhibit "A"

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

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

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

Attached is the appropriate documentation relevant to this document.

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

Phillips Petroleum Company

June 17, 1993

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

Mobil Exploration and Producing
North America Inc.

June 11, 1993

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

[Signature]

ACTING AREA DIRECTOR
TITLE

7/9/93
DATE

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

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

EXHIBIT "A"

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

EXHIBIT "C"

Revised as of September 29, 1991
SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

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

100% Indian Lands

TOTAL 12,909.74

100.0000000

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

(Location) Sec ___ Twp ___ Rng ___
(API No.) _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
OPERATOR CHANGE

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

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

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

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

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

OIL, GAS & MINING

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

CURRENT OPERATOR

Transfer approved by:

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

Comments:

NEW OPERATOR

Transfer approved by:

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

Comments:

(State use only)

Transfer approved by [Signature] Title UIC MANAGER
Approval Date 10-27-93

Lisha Cordova (801) 538-5340

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

APPLICATION OF PHILLIPS PETROLEUM)
 COMPANY FOR THE APPROVAL OF THE)
 UNIT OPERATIONS AND PRESSURE MAIN-)
 TENANCE PROGRAM FOR THE RATHERFORD)
 UNIT IN THE GREATER ANETH AREA,)
 SAN JUAN COUNTY, UTAH)

CAUSE NO. 63

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 M. Senior, attorney, on behalf of Texaco, Inc.; Gordon Mayberry, attorney, on behalf of Continental Oil Company; R. R. Robison on behalf of Shell Oil Company. Others present included Carl Trawick, on behalf of United States Geological Survey; and J. R. White, on behalf of Texaco, Inc.

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

TOWNSHIP 41 SOUTH, RANGE 23 EAST, SLPM

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

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SLPM

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

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

of the monetary value, if any, to be attributed to three test wells drilled within the 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

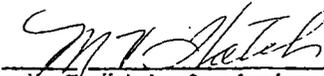
and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

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/47-83	<input checked="" type="checkbox"/>
2-DTS/58-83	<input checked="" type="checkbox"/>
3-VLC	<input checked="" type="checkbox"/>
4-RJE	<input checked="" type="checkbox"/>
5-DE	<input checked="" type="checkbox"/>
6-PL	<input checked="" type="checkbox"/>

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

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

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

TO (new operator) <u>M E P N A</u>	FROM (former operator) <u>PHILLIPS PETROLEUM COMPANY</u>
(address) <u>PO DRAWER G</u>	(address) <u>5525 HWY 64 NBU 3004</u>
<u>CORTEZ, CO 81321</u>	<u>FARMINGTON, NM 87401</u>
<u>GLEN COX (915)688-2114</u>	<u>PAT KONKEL</u>
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>43037-15987</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: 11.17 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/B/m Approved 7-9-93.

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	43-037-15839	14-20-603-246	SEC. 1, T41S, R23E	SE/SW 651 FSL; 3300 FEL
✓01-34	43-037-16385	14-20-603-246A	SEC. 1, T41S, R23E	SW/SE 4147 FNL; 1980 FEL
✓01W-44	43-037-15840	14-20-603-246A	SEC. 1, T41S, R23E	660 FSL; 661 FEL
✓02W-44	43-037-16386	14-20-603-246A	SEC. 2, T41S, R23E	SE/SE 810 FNL; 5110' FWL
✓03-14	43-037-15124	14-20-603-5445	SEC. 3, T41S, R24E	660 FSL; 660 FEL
✓03-12	43-037-15620	14-20-603-6506	SEC. 3, T41S, R24E	SW/NW 2140 FNL; 660 FWL
✓03W-42	43-037-16388	14-20-603-6505	SEC. 3, T41S, R24E	SW/NE 1980 FNL; 660 FEL
✓03-44	43-037-15031	14-20-603-6504	SEC. 3, T41S, R24E	520 FSL; 820 FEL
✓04-14	43-037-16163	14-20-603-5446	SEC. 4, T41S, R24E	500 FSL; 600 FEL
✓04-34	43-037-16164	14-20-603-4035	SEC. 4, T41S, R24E	660 FSL; 1980 FEL
✓05-34	43-037-15983	14-20-603-368	SEC. 5, T41S, R24E	SW/SE 612 FSL; 1990 FEL
✓05W-43	43-037-16392	14-20-603-368	SEC. 5, T41S, R24E	1400 FSL; 990 FEL
✓06W-14	43-037-15984	14-20-603-368	SEC. 6, T41S, R24E	SW/SW 660; FSL; 660 FWL
✓06W-23	43-037-16393	14-20-603-368	SEC. 6, T41S, R24E	1830 FSL; 1895 FWL
✓07-11	43-037-31163	14-20-603-368	SEC. 7, T41S, R24E	NW/NW 660 FNL; 710 FWL
✓07W-12	43-037-15985	14-20-603-368	SEC. 7, T41S, R24E	SW/NW 2140 FNL; 585 FWL
✓07-13	43-037-31164	14-20-603-368	SEC. 7, T41S, R24E	NW/SW 2110 FSL; 740 FWL
✓07W-14	43-037-15986	14-20-603-368	SEC. 7, T41S, R24E	SW/SW 1065 FSL; 660 FWL
✓07W-21	43-037-16394	14-20-603-368	SEC. 7, T41S, R24E	710 FNL; 1820 FWL
✓07-22	43-037-31165	14-20-603-368	SEC. 7, T41S, R24E	SE/NW 1980 FNL; 1980 FWL
*✓07W-23	43-037-15987	14-20-603-368	SEC. 7, T41S, R24E	NE/SW 1980 FSL 1980 FWL
✓07-24	43-037-31166	14-20-603-368	SEC. 7, T41S, R24E	SE/SW 880 FSL; 2414 FWL
✓07W-32	43-037-15988	14-20-603-368	SEC. 7, T41S, R23E	SW/NE 1980 FNL; 1980 FEL
✓07-33	43-037-31167	14-20-603-368	SEC. 7, T41S, R24E	NW/SE 2105 FSL; 1876 FEL
✓07W-34	43-037-15989	14-20-603-368	SEC. 7, T41S, R24E	710 FSL; 2003 FEL
✓07W-41	43-037-15990	14-20-603-368	SEC. 7, T41S, R24E	NE/NE 585 FNL; 770 FEL
✓07W43	43-037-16395	14-20-603-368	SEC. 7, T41S, R24E	2110 FSL; 660 FEL
✓07-44	43-037-31189	14-20-603-368	SEC. 7, T41S, R24E	SE/SE 737 FSL; 555 FEL
✓08-12	43-037-15991	14-20-603-368	SEC. 8, T41S, R24E	SW/NW 1909 FNL; 520 FWL
✓08W-14	43-037-15992	14-20-603-368	SEC. 8, T41S, R24E	745 FSL; 575 FWL
✓08-21	43-037-15993	14-20-603-368	SEC. 8, T41S, R24E	616 FNL; 1911 FWL
✓08-23	43-037-15994	14-20-603-368	SEC. 8, T41S, R24E	NE/NW 1920 FSL; 2055 FWL
✓08-32	43-037-15995	14-20-603-368	SEC. 8, T41S, R24E	SW/NE 1980 FNL; 1980 FEL
✓08-34	43-037-15996	14-20-603-368	SEC. 8, T41S, R24E	SW/SE 660 FSL; 1980 FEL
✓08-41	43-037-15997	14-20-603-368	SEC. 8, T41S, R24E	NE/NE 660 FNL; 660 FEL
✓08W-43	43-037-16396	14-20-603-368	SEC. 8, T41S, R24E	1980 FSL; 660 FEL
✓09W-23	43-037-16398	14-20-603-5046	SEC. 9, T41S, R24E	NW/SE 1980 FSL; 1980 FWL
✓09-12	43-037-15126	14-20-603-5045	SEC. 9, T41S, R24E	1865 FNL; 780 FWL
✓09W-21	43-037-16397	14-20-603-5045	SEC. 9, T41S, R24E	660 FNL; 2080 FWL
✓09-14A	43-037-15127	14-20-603-5046	SEC. 9, T41S, R24E	710 FSL; 660 FWL
✓09-32	43-037-16165	14-20-603-4035	SEC. 9, T41S, R24E	1980 FNL; 1980 FEL
✓09W-41	43-037-16399	14-20-603-4035	SEC. 9, T41S, R24E	660 FNL; 660 FEL
✓09W-43	43-037-16400	14-20-603-4043	SEC. 9, T41S, R24E	1980 FSL; 660 FEL
✓10W-23	43-037-16402	14-20-603-4043	SEC. 10, T41S, R24E	1980 FSL; 1980 FWL
✓10-14	43-037-15713	14-20-603-4043	SEC. 10, T41S, R24E	510 FSL; 710 FWL
✓10-12	43-037-15712	14-20-603-4043	SEC. 10, T41S, R24E	660 FWL; 1980 FNL
✓10W-21	43-037-16401	14-20-603-4043	SEC. 10, T41S, R24E	810 FNL; 1980 FWL
✓10-34	43-037-16166	14-20-603-4037	SEC. 10, T41S, R24E	620 FSL; 1860 FEL
✓10W-43	43-037-16403	14-20-603-4037	SEC. 10, T41S, R24E	1980 FSL; 550 FEL
✓11-41	43-037-31544	14-20-603-246A	SEC. 11, T41S, R23E	NE/NE 860 FNL; 350 FEL
✓11-42W	43-037-15841	14-20-603-246	SEC. 11, T41S, R23E	3290 FNL; 4617 FEL
✓11-43	43-037-31622	14-20-603-246A	SEC. 11, T41S, R23E	1980 FSL; 660 FEL
✓11W-44	43-037-15842	14-20-603-246A	SEC. 11, T41S, R23E	SE/SE 660 FSL; 558 FEL
✓12W-11	43-037-15843	14-20-603-246A	SEC. 12, T41S, R23E	NW/NW 678 FNL; 4620 FEL
✓12-12	43-037-31190	14-20-603-246A	SEC. 12, T41S, R23E	SW/NW 1850 FNL; 660 FWL
✓12W-13	43-037-16404	14-20-603-246A	SEC. 12, T41S, R23E	1980 FSL; 4620 FEL
✓12-14	43-037-15844	NA	SEC. 12, T41S, R23E	660 FNL; 4622 FWL
✓12-21	43-037-31201	14-20-603-246A	SEC. 12, T41S, R23E	NE/NW 660 FNL; 1980 FWL
✓12W-22	43-037-15845	14-20-603-246	SEC. 12, T41S, R23E	NA
✓12-23	43-037-15846	14-20-603-246A	SEC. 12, T41S, R23E	1958 FNL; 3300 FWL
✓12W-24	43-037-31151	14-20-603-246A	SEC. 12, T41S, R23E	775 FSL; 1980
✓12-32	43-037-31203	14-20-603-246A	SEC. 12, T41S, R23E	SW/NE 1820 FNL; 1820 FEL
✓12W-33	43-037-15848	14-20-603-246A	SEC. 12, T41S, R23E	NW/SE 1957 FSL; 1981 FEL
✓12-34	43-037-31126	14-20-603-246A	SEC. 12, T41S, R23E	SW/SE 675 FSL; 1905 FEL
✓12-41	43-037-15849	14-20-603-246A	SEC. 12, T41S, R23E	656 FNL; 660 FEL
✓12W-42	43-037-15850	14-20-603-246A	SEC. 12, T41S, R23E	3275 FSL; 662 FEL

PAID
WAGE

SEP 15 1993

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 DIVISION OF
OIL, GAS & MINING
PAID

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PAID

14-20-603-246

SE NW 1920 FNL 2080 FWL

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

(Location) Sec ___ Twp ___ Rng ___
(API No.) _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
OPER NM CHG _____

1. Date of Phone Call: 8-3-95 Time: _____

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

Name R. J. FIRTH (Initiated Call) - Phone No. () _____

of (Company/Organization) _____

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

4. Highlights of Conversation: _____

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

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- LJC	7-PL ✓
2-LWP	8-SJ ✓
3- DES	9-FILE ✓
4-VLC ✓	
5-RJF ✓	
6-LWP ✓	

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) <u>MOBIL EXPLOR & PROD</u>	FROM (former operator) <u>M E P N A</u>
(address) <u>C/O MOBIL OIL CORP</u>	(address) <u>C/O MOBIL OIL CORP</u>
<u>PO DRAWER G</u>	<u>PO DRAWER G</u>
<u>CORTEZ CO 81321</u>	<u>CORTEZ CO 81321</u>
phone <u>(303) 564-5212</u>	phone <u>(303) 564-5212</u>
account no. <u>N7370</u>	account no. <u>N7370</u>

Well(s) (attach additional page if needed):

Name: <u>** SEE ATTACHED **</u>	API: <u>037-15987</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

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-31-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/~~no~~) (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) ** No Fee Lease Wells at this time!*

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving **State Leases**.

FILMING

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

FILING

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

COMMENTS

950803 LIC F5/Not necessary!

STATE OF UTAH
INVENTORY OF INJECTION WELLS

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

14-20-603-369

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 7-W-23

9. API Well No.

43-037-15987

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other INJECTOR

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

3. Address and Telephone No.

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

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

1980' FSL & 1980' FWL
SEC.7, T41S, R24E

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

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

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

Signed Shuley Hutchins Title ENV. & REG. TECHNICIAN Date 03-04-97

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

* See Instruction on Reverse Side

RATHERFORD UNIT 7W23
TA WITH MIT, OR P&A PROCEDURE
TOM COCHRANE 2/28/97

GENERAL

- A. Notify BLM 505/599-8900 and NAVAJO EPA 505/3684125 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.
- B. PLUGGING CMT; Class B 15.6 ppg neat
- C. PLUGGING MUD; 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.
- D. PLUG TAGGING NOTE: If well is taking fluid after setting CIBP, cement plugs will need to be tagged.

SPECIFIC

- 1. BLEED WELL DOWN, KILL WITH 10# BW IF NEEDED. MIRU PU. ND WH, NU BOP. UNSET BKR INV LOK-SET PKR @ 5403', POH W/2.375" IPC TBG, DHSOV, OOT, PKR.
- 2. GIH SET CMT RET @ 5400' (JUST ABOVE WHERE PKR WAS). TEST RET & CSG TO 1000# FOR 30 MINS, IF HOLDS, RDMO, NOTIFY THOMPSON TSOSIE @ RATHERFORD TO SCHEDULE MIT.
- 3. IF LEAKS, GIH W/PKR ON TBG (IF DID NOT SET CMT RET ON TBG), VERIFY LEAK IS ABOVE 5300', IF SO, CONTINUE, IF NOT, NOTIFY TOM COCHRANE (970) 564-5210 ASAP TO EVALUATE FOR SETTING INJ PACKER HIGHER AND RTI.
- 4. IF LEAKS ABOVE 5300', P&A WELL. GIH W/STINGER ON WS, SQZ PERFS BELOW RET W/200 SX G TO 1500# IF POSSIBLE, RO EXCESS, DO NOT USE MORE CMT.
- 5. CIRC HOLE W/9.3# PLUGGING MUD, AS APPROVED BY EPA.
- 6. PUH, SPOT CMT PLUGS @ 4585-4485' (HERMOSA), 3600-3500' (ACROSS OLD 7" LEAK), 2650-2750' (ACROSS 4.5" LINER TITE SPOT), 1572-1472' (CHINLE), 942-842' (ACROSS SURF CSG) AND 0-200' (SURFACE PLUG).
- 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" SPAGETTI 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 7-W-23
NAVAJO TRIBAL LEASE 14-20-0603-368
1980' FSL, 1980' FWL SEC. 7 - T41S - R24E
SAN JUAN CO., UTAH

8. RDMO WORKOVER RIG. HAUL OFF SALVAGED EQUIPMENT AND CLEAN LOCATION. NOTIFY SHIRLEY HOUCHEM WITH MOBIL AT 915/688-2585 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

TOM COCHRANE 2/28/97

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

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

5. Lease Designation and Serial No.
14-20-603-368

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
RATHERFORD UNIT

8. Well Name and No.
RATHERFORD 7-W-23

9. API Well No.
43-037-15987

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

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

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

3. Address and Telephone No.
P.O. Box 633, Midland, TX 79702 915-688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1980' FSL & 1980' FWL
SEC.7, T41S, R24E**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
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	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other TA'D
	<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.)

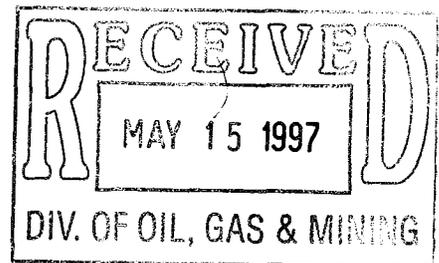
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

3-17-97 MIRU NAVAJO WEST, SITP 500 PSI, SICP 1000 PSI.UNSET BAKER LOCK-SET PKR. @ 5403, NOTIFIED NAVAJO EPA ON 3-17-97 @ 8:40 AM INTENT TO TA WELL.

3-18-97 SITP, SICP 0. WORK STUCK PKR DOWN TO 5503'.

3-19-97 PU 4.5" CMT RETAINER, RIH & SET @ 5400'. STING OUT OF RET. TEST W/FW @ 1180 PSI FOR 40 MIN. TEST OK.

TEMPORARILY ABANDONED WELLBORE



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

Signed Shirley Bouchino Title ENV. & REG. TECHNICIAN Date 04-28-97

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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14-20-603-368

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

RATHERFORD UNIT

8. Well Name and No.

RATHERFORD

7-W-23

9. API Well No.

43-037-15987

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN

UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

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

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

3. Address and Telephone No.

P.O. Box 633, Midland TX 79702

(915) 688-2585

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

SEC. 7, T41S, R24E

1980' FSL & 1980' FWL

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

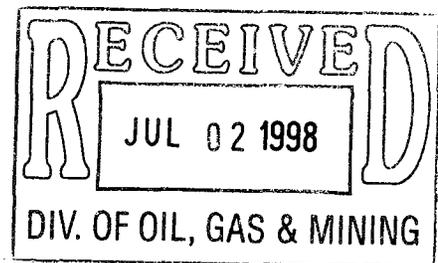
TYPE OF ACTION

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



COPY SENT TO OPERATOR
Date: 7.7.98
Initials: DK

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

Signed Shirley Houchins for Title SHIRLEY HOUCHINS/ENV & REG TECH Date 6-29-98

(This space for Federal or State office use)

Approved by Accepted by the Title _____ Date _____
Conditions of approval _____

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

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

FOR RECORD ONLY

* See Instruction on Reverse Side

Ratherford Unit #7-23
Plug & Abandonment Procedure

The objective of this operation is to plug & abandon the #7-23 wellbore as per BLM requirements.

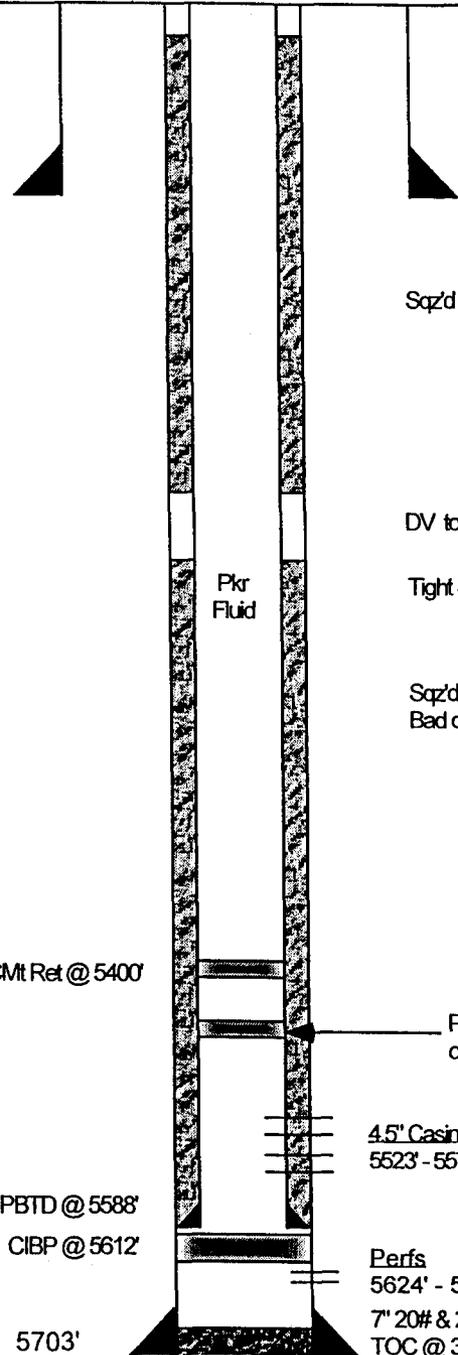
1. Notify BLM and Navajo EPA 48 hours prior to plugging.
2. MIRU PU. ND wellhead. NU BOP. Pressure test BOPs
3. RIH w/ ws. Tag CIBP @ 5400'. Circ hole clean.
4. Spot 17 cu ft (125') on top CIBP. Reverse out.
5. PUH and spot 45 cu ft (200') plug across Hermosa formation.
6. RIH w/ ws and spot cmt from 1550' to surface. Fill 4 ½" x 7" annulus w/ cmt.
7. If casing strings above ground, cut off and fill all strings w/ cement.
8. Weld on steel plate. Stamp on required P&A information.
9. ND BOP. NU WH. RDMO.

1980' FSL
 1980' FWL
 S-7
 T41S
 R24E
 San Juan Co., Utah

Ratherford Unit
 7-23
 Current Wellbore

YPO: 6/28/98
 KB: 4739'
 GL: 4728'

10 3/4" 32.75# H40 @ 892
 w/600 sx to surface



Sqzd leak in 7" 924' - 2335'

DV tool @ ???

Tight Spot in 4.5" csg @ 2692' - 97'

Sqzd leak in 7" 3542' - 3734'
 Bad csg from 4649' - 83 & 5466'

CMt Ret @ 5400'

Sqz 7" csg
 5529' - 32'
 5550' - 53'
 5569' - 70'
 5580' - 82'
 5598' - 5606'

Pkr stuck w/ DHshut off valve +
 on/off tool stuck @ 5503'

4.5" Casing Perfs
 5523' - 5579'

New PBTD @ 5588'
 CIBP @ 5612'

Perfs
 5624' - 5692'

7" 20# & 23# J55 @ 5739' w/ 500 sx
 TOC @ 3940'

Formation Tops

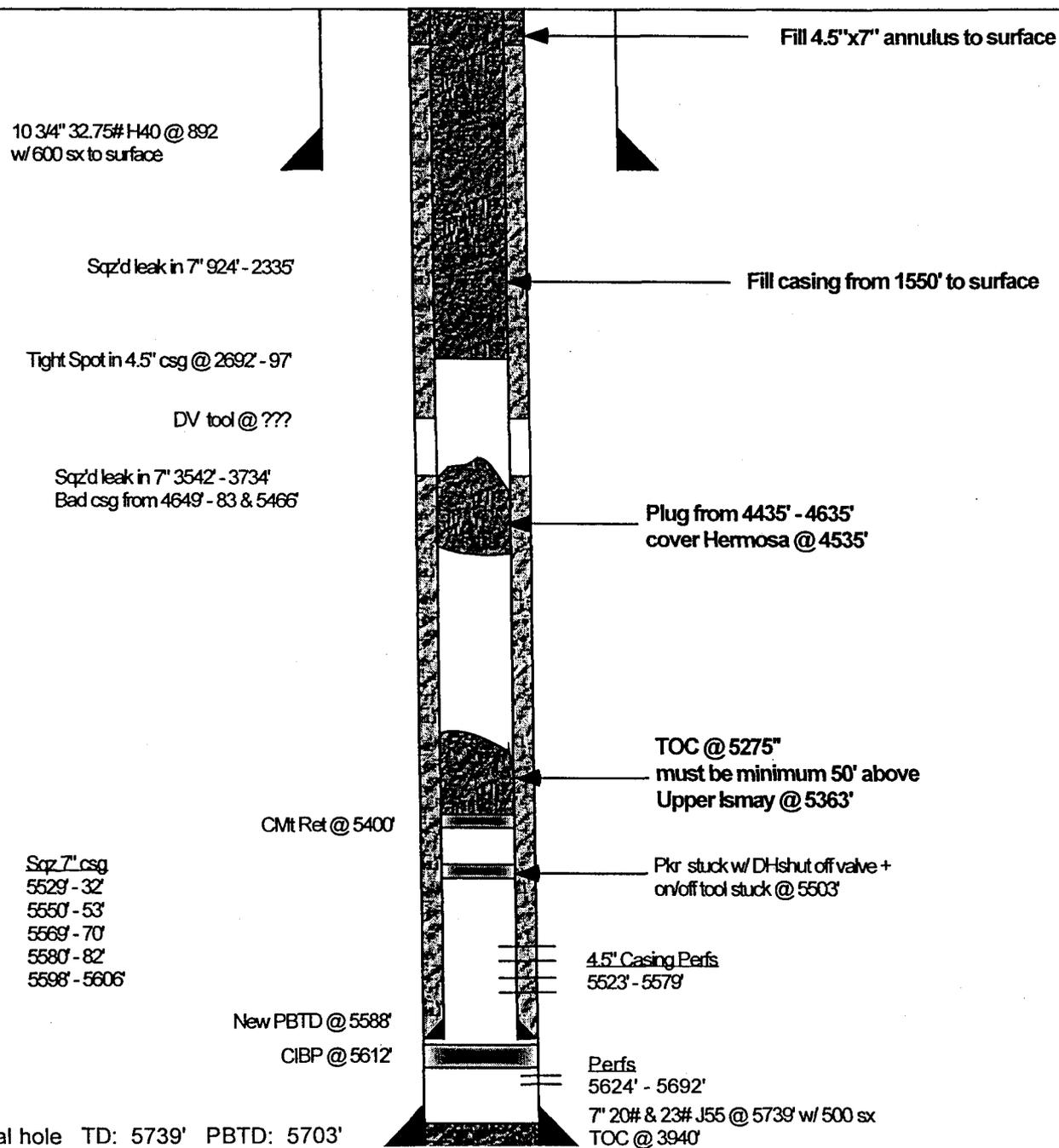
Chinle	1522'
Dechelly	2649'
Organ Rock	2800'
Hermosa	4535'
U. Ismay	5363'
Gothic	5502'
Desert Creek	5522'
Chimney Rock	5698'

Vertical hole TD: 5739' PBTD: 5703'

1980' FSL
 1980' FWL
 S-7
 T41S
 R24E
 San Juan Co., Utah

Ratherford Unit
 7-23
 Proposed Wellbore

YPO: 6/28/98
 KB: 4739'
 GL: 4728'



Formation Tops

Chinle	1522'
Dechelley	2649'
Organ Rock	2800'
Hermosa	4535'
U. Ismay	5363'
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Vertical hole TD: 5739' PBTD: 5703'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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NAVAJO TRIBAL

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RATHERFORD UNIT

8. Well Name and No.

RATHERFORD 7-W-23

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10. Field and Pool, or exploratory Area

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SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

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

3. Address and Telephone No.

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

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

SEC. 7, T41S, R24E
1980' FSL & 1980' FWL

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

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

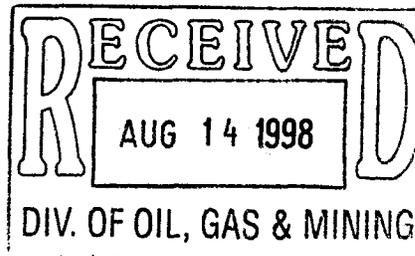
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SEE ATTACHED (8-4-98/8-7-98) PLUG & ABANDON WELLBORE.

PA Date: 8-6-98

KEVIN SCHNEIDER, BLM PERSONNEL, ON LOCATION DURING ALL PLUGGING OPERATIONS.



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

Signed

Title SHIRLEY HOUCHINS/ENV & REG TECH

Date 8-12-98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

* See Instruction on Reverse Side

ATTACHMENT - FORM 3160-5
RATHERFORD UNIT 7-W-23
14-20-603-368
NAVAJO TRIBAL
SAN JUAN, UTAH

- 08-04-98 NOTIFIED NAVAJO EPA OF INTENT TO P&A WELL ON 8/4/98 @ 10:00 AM. MESSAGE ON RECORDER. NO RESPONSE. NOTIFIED BLM OF INTENT TO P&A WELL ON 8/4/08 @ 11:45 AM. KEVIN SCHNEIDER FROM BLM ON LOCATION @ 12:00 PM TO WITNESS CASING TEST. MIRU NAVAJO WEST RIG #15. SPOT & R/U PUMP, PIT, ETC. N/U & TEST BOP. W/O BLM FOR CASING TEST. PRESSURE UP ON 4 1/2" CSG, CMT RET @ 5400' & BLINDS TO 1000#. ALL HELD GOOD. P/U & RIH W/2 3/8" TBG. TAG CMT RET. @ 5380'. SWI & SDFN.
- 08-05-98 MIRU DOWELL, CIRC HOLE W/FW. RAMS NOT HOLDING. C/O RAM RUBBERS. CONDUCT SAFETY MTG. EOT @ 5377'. DOWELL SPOT 160', 15.8 CLASS B NEAT CMT F/5377-5217' (2.49 BBL). DISPLACE W/19 BBL FW. POOH & LD TBG. EOT @ 4646'. SPOT 257' 15.8# CLASS B NEAT CMT F/4646-4389' (3.8 BBL). DISPLACE TBG W/17 BBL FW. PUH, REVERSE OUT. POOH., MIRU SCHLUMBERGER, RUN GAMMA RAY TO CORRELATE. P/U GUN. RIH & PERF W/4 SPF F/1575-1570', TOTAL 20 HOLES. PUMP DOWN 4 1/2" NO CIRC OUT OF 7" X 4 1/2" OR 10 3/4" X 7" ANNULUS. RIH W/TBG TO 1644', SPOT 160' 15.8# CLASS B NEAT CMT F/1644-1484', DISPLACE W/6 BBL, PUH, REVERSE OUT. POOH. R/U SCHLUMBERGER, RIH W/GUN & PERF 4 SPF F/944-939', TOTAL 20 HOLES. PUMP DOWN 4 1/2", NO CIRC OUT EITHER ANNULUS. SWI & SDFN. KEVIN SCHNEIDER F/BLM ON LOCATION F/7:30 AM TO 5:00 PM, NAVAJO EPA ON LOCATION F/11:00 AM TO 5:00 PM.
- 08-06-98 RIH TO 993' W/2 3/8" TBG, SPOT 200' 15.8# CLASS B NEAT CMT F/993-793' (3.1 BBL), DISPLACE W/FW, POOH LD. RU SCHLUMBERGER WL, RIH & PERF 4 SPF F/104-100'. ESTB. CIRC. DN 4 1/2" CASING THROUGH 4 1/2" X 7" & 7" X 10 3/4" ANNULUS. PUMP 72 SX CLASS B NEAT CMT DN 4 1/2" CMT TO SURFACE ON BOTH STRINGS. ND BOP & TBG HD. DIG OUT AROUND WH, CUT THROUGH 10 3/4" & 7" & 4 1/2" CSG. CUT OFF WH. TOP FILL PIPE W/CMT. WELD ON 1/4" STEEL PLATE W/LEGAL INFO. RDMO NAVAJO WEST RIG #15. BACKFILL PIT & WH, CLEAN UP LOCATION. END OF JOB. WELL PLUGGED & ABANDONED. KEVIN SCHNEIDER, BLM PERSONNEL ON LOCATION DURING ALL PLUGGING OPERATIONS.