

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: Well Log & 3 Electric logs (Nave file)  
 12-1-83 Operator name change from Phillips Petroleum to Phillips Oil Co.

50A8U Approved for water log

8-25-69 Sub. Report to squeeze cement & acidize  
 Sub Report of change on sheet 10-5-65

DATE FILED **2-25-59** 14-20-  
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN **603-355**

DRILLING APPROVED: **2-25-59**

SPUDDED IN: **3-12-59**

COMPLETED: **4-10-59**

INITIAL PRODUCTION: **438 BOPD 3/4" CH**

**204 BOPD / 214 MCF/D / 58 P.W.P.D**

GRAVITY A. P. I.

GOR: **362**

PRODUCING ZONES: **5682 - 5690'**

TOTAL DEPTH: **5726'**

WELL ELEVATION: **4713' Un Cr 4725' DF**

**040757**

DATE ABANDONED:

FIELD OR DISTRICT: **Aneth**

COUNTY: **San Juan**

**UK Conversion  
 API 43-039-15721**

WELL NO. **NAVAJO A-14 (Rutherford 16-14)**

LOCATION: **660** FT. FROM (X) (S) LINE, **660** FT. FROM (X) (W) LINE. **SW SW<sup>13</sup>** QUARTER - QUARTER SEC. **16**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				<b>41 S</b>	<b>24 E</b>	<b>16</b>	<b>PHILLIPS PETROLEUM</b>

## 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 1512'	DEVONIAN
TERTIARY	Middle	DeChelly 2628	Upper
Pliocene	Lower	White Rim	Middle
Humboldt	Emery	Organ Rock 2793'	Lower
Salt Lake	Blue Gate	Cedar Mesa	Ouray
Miocene	Ferron	Halgaite 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 Rafael Gr.	Weber	Pogonip limestone
Middle	Summerville	Morgan	CAMBRIAN
Lower	Bluff sandstone	Hermosa	Lynch
Wasatch	Curtis	Upper	Bowman
Colton	Entrade	Lower	Tapeats
Flagstaff	Moab tongue	Molas	Ophir
Almy	Carmel	Paradox	Tintic
Paleocene	Glen Canyon Gr.	A	PRE-CAMBRIAN
Current Creek	Navajo	B	Monaker Trail 4568'
North Horn	Kayento	C	Desert Creek 5382' TO TD
CRETACEOUS	Wingate	Manning Canyon	
Montana	TRIASSIC	Mississippian	
Mesaverde	Chinle 1480'	Chainman shale	
Price River	Shinarump 2342'	Humbug	
Blackhawk	Moenkapi 246'	Joana limestone	

*Well Oil Report 4-18-59* *Completed*

- Scout Report sent out
- Noted in the NID File
- Location map pinned
- Approval or Disapproval Letter
- Date Completed, P. & A. or operations suspended 4-10-59
- Pin changed on location map
- Affidavit and Record of A & P
- Water Shut-Off Test
- Gas-Oil Ratio Test
- Well Log Filed

REVISIONS			
Entered in NID File	<u>✓</u>	Checked by Chief	_____
Entered on S.R. Sheet	<u>✓</u>	Copy NID to Field Office	_____
Location Map Pinned	<u>✓</u>	Approval Letter	<u>✓</u>
Card Indexed	<u>✓</u>	Disapproval Letter	_____
IWR for State or Fee Land	_____		
COMPLETION DATA:			
Date Well Completed	<u>4-10-59</u>	Location Inspected	_____
OW <u>✓</u> WW _____ TA _____		Bond released	_____
GW _____ OS _____ PA _____		State of Fee Land	_____
LOGS FILED			
Driller's Log	<u>S-20-59</u>		
Electric Logs (No. )	<u>3</u>		
E _____ I _____ E-I <u>✓</u> GR _____ GR-N <u>✓</u> Micro <u>✓</u>			
Lat _____ Mi-I _____ Sonic _____ Others _____			

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency Navajo  
Tribal  
Allottee 14-20-603-355  
Lease No. \_\_\_\_\_

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)

**Navajo "A"** Cortez, Colorado February 16, 1959

Well No. 14 is located 660 ft. from XX line and 660 ft. from XX line of sec. 16

SW SW Sec 16 41S 24E 31M  
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

White Mesa San Juan County Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~drill hole~~ ungraded ground above sea level is 4713 ft.

DETAILS OF WORK

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

Drill 17-1/2" hole to approximately 160', set 160' of 13-3/8" conductor pipe and cement to surface. Drill 11" hole to approximately 1600', set 8-5/8" casing and cement to surface. Drill 7-7/8" hole to total depth of approximately 5800', run 5-1/2" casing and cement with approximately 250 sacks cement. Complete in Desert Creek Formation.

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

Company Phillips Petroleum Company  
Address Box 548  
Cortez, Colorado

By C. M. Boles  
Title District Superintendent

14

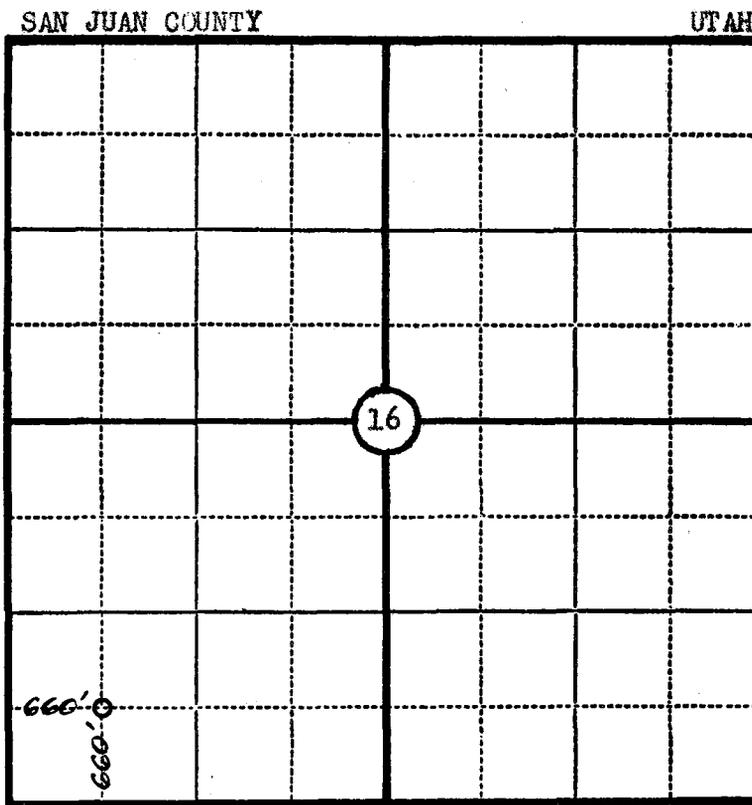
Company..... PHILLIPS PETROLEUM COMPANY

Lease..... NAVAJO "A" ..... Well No..... 14

Sec..... 16 ..... T. 41 SOUTH ..... R. 24 EAST S.L.M.

Location..... 660' FROM THE SOUTH LINE AND 660' FROM  
THE WEST LINE.

Elevation..... 4713.0 UNGRADED GROUND



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 ..... 20 DECEMBER ..... 19.. 57

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

February 25, 1959

Phillips Petroleum Company  
P. O. Box 548  
Cortez, Colorado

Attention: C. M. Boles, District Supt.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo A-14, which is to be located 660 feet from the south line and 660 feet from the west line of Section 16, Township 41 South, Range 24 East, S1EM, San Juan County, Utah.

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

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE SECRETARY

CBF:co

cc: Phil McGrath  
USGS, Farmington,  
New Mexico

March 10, 1959

Phillips Petroleum Company  
Box 548  
Cortez, Colorado

Attention: C. N. Boles  
District Superintendent

Gentlemen:

It has come to the attention of this office that you have  
spudded in the following wells:

Well No. Navajo A-18, located as follows: SW NW  
Section 16, Township 41 South, Range 24 East

Well No. Navajo A-5, located as follows: SW SW SE  
Section 22, Township 41 South, Range 24 East

As yet we have not received your Notice of Intention to  
Drill either of these wells. We would appreciate receiving  
these Notices by return mail.

Thank you.

Yours very truly,  
OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
Executive Secretary

ep

14

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 1A-20-603-355

*State*


SUNDRY NOTICES AND REPORTS ON WELLS

*7/1K  
5/5*

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

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

Cortez, Colorado April 30, 1959

Navajo "A"

Well No. 14 is located 660 ft. from S line and 660 ft. from W line of sec. 16

SW SW Sec. 16

41S

24E

11M

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

White Mesa

San Juan

Utah

(Field)

ungraded ground

(County or Subdivision)

(State or Territory)

The elevation of the ~~surface~~ ground above sea level is 4713 ft.

DETAILS OF WORK

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

Spudded 3:00 A.M. 3-12-59. Drilled 17-1/4" hole to 173'. Set and cemented 4 jbs. 13-3/8" OD 27.1/2 Armo SW SJ casing with Halliburton T.P. Guide Shoe at 173' HED with 175 cu. regular cement, 2% calcium chloride. Pumped plug to 145' at 2:00 P.M. 3/12/59. Cement circulated. V.O.C. 24 hours.

Drilled 11" hole to 1492'. Set and cemented 46 jbs. 8-5/8" OD 2 1/2 J-55, 2-2, 8 rd thd SWCO casing with Howe Float Equipment at 1492.20' with 330 cu. cement, 126 cu. Dincol "D", 600# Calcium Chloride, 165# Floccs, 660# Tuff Plug, followed with 125 cu. regular cement. Pumped plug to 1497' with maximum pressure 1500# at 1:00 P.M. 3-14-59. Cement did not circulate. Filled annulus with 15 cu. regular cement with 2% calcium chloride. V.O.C. 24 hours. Tested casing with 750# for 30 minutes - tested okay.

(Continued on back side)

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

Company Phillips Petroleum Company

Address P. O. Drawer 1150

Cortez, Colorado

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

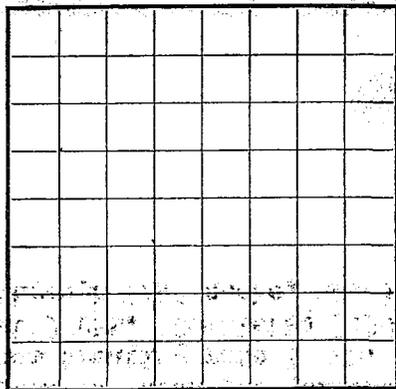
*7/13*

MAY 4 1959

(Continued)

Drilled 7-7/8" hole to 5726' at 8:00 P.M. 3-31-59. Ran Schlumberger Induction ES & Micro logs to 5723'. Ran Gamma-Ray-Neutron Log to 5723'. Set and cemented 183 jts. 5-1/2" OD 14.5 J-55 Std thd STCS casing at 5726.91' with 132 cu. neat cement, 100 cu. Diesel "D", 496# Calcium Chloride. Pumped plug to 5694' at 8:00 P.M. 4/1/59. W.O.C. 24 hours. Tested casing to 1000#, 30 minutes. Tested okay.

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



LOCATE WELL CORRECTLY

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

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

Lessor or Tract Navajo "A" Field White Mesa State Utah

Well No. 14 Sec. 16 T. 41S R. 24E Meridian S1M County Salt Lake

Location 660 ft. N of 3 Line and 660 ft. E of W Line of sec. 16 Elevation 4725  
(Derrick floor relative to sea level)

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

Signed [Signature]

Date May 15, 1959 Title District Superintendent

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

Commenced drilling March 12, 1959 Finished drilling March 31, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

IMPORTANT WATER SANDS

No. 1, from In all sands from surface to 1480' to and from 2620' to 2793'  
 No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
 No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
<u>13-3/8</u>	<u>47</u>	<u>8</u>	<u>J-55</u>	<u>162</u>	<u>Howden</u>	<u>5480'</u>	<u>5480'</u>	<u>Oil Prod</u>	
<u>8-5/8</u>	<u>28</u>	<u>8</u>	<u>J-55</u>	<u>150</u>	<u>Howden</u>				
<u>5-1/2</u>	<u>14</u>	<u>8</u>	<u>J-55</u>	<u>577</u>	<u>Howden</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8</u>	<u>173</u>	<u>175</u>	<u>Circ</u>		
<u>8-5/8</u>	<u>1492</u>	<u>800 cu ft</u>	<u>Did not circ (filled annulus w/ 15 cc cem, 2% CC)</u>		
<u>5-1/2</u>	<u>5927</u>	<u>550 cu ft</u>	<u>B-J</u>		

PLUGS AND ADAPTERS

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

FOLD MARK

7/1K  
5/25

**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 **5726** feet, and from ----- feet to ----- feet

**DATES**

-----, 19**59** Put to producing -----, 19**59**  
**May 15** The production for the first 24 hours was ----- barrels of fluid of which **April 10** -----  
 emulsion; ----- % water; and ----- % sediment. **438** ----- % was oil; ----- %  
 Gravity, °Bé. **100**

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

Rock pressure, lbs. per sq. in. -----

**125# EMPLOYEES**

-----, Driller -----, Driller  
**Moran Bros., Inc.**, Driller -----, Driller

**FORMATION RECORD**

FROM-	TO-	TOTAL FEET	FORMATION
1480	2342	862	Chinle
2342	2400	58	Shinarump
2400	2512	112	Moenkopi
2512	2620	108	Cutler - Hoskinini Equivalent
2620	2793	173	Cutler - De Chelly Member
2793	4550	1757	Cutler - Organ Rock Member
4550	5382	832	Honaker Trail
5382	5726	344	Desert Creek (Paradox)
5726	5698	28	PBTD

[OVER]

10-43004-4

FORMATION RECORD - CONTINUED

U.S. BUREAU OF OIL & GAS

WASHINGTON, D.C. 20540



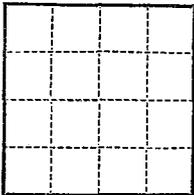
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-355



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Cortez, Colorado July 3, 19 61

Navajo "A"

Well No. 14 is located 660 ft. from NS line and 660 ft. from W line of sec. 16

SW SW Sec. 16  
(¼ Sec. and Sec. No.)

41S  
(Twp.)

24E  
(Range)

S.L.M.  
(Meridian)

Ratherford  
(Field)

San Juan County  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the ~~drum~~ ungraded ground above sea level is 6713 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)

Full rods and tubing; perforate subzone I of the Desert Creek formation 5549-55, 5561-69, 5620-23, and 5631-40 and the Inmay zone 5493-99, 5501-68, 5514-19 and 5528-30; acidize the Inmay and Desert Creek zones with 5,000 gallons of regular 15% acid in 2 stages, swab test; re-run rods and tubing and cement the Inmay and Desert Creek zones.

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

Company Phillips Petroleum Company

Address Box 1150

Cortez, Colorado

By C. M. Boles  
**C. M. Boles**

Title District Superintendent

*Handwritten initials and scribbles.*

Utah  
e.c.  
Aug.

Form 9-831 b  
(April 1952)


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Indian Agency Navajo  
Allottee Tribal  
Lease No. 14-20-603-375

SUNDRY NOTICES AND REPORTS ON WELLS

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

Cortes, Colorado July 18, 19 61

Navajo "A"

Well No. 14 is located 660 ft. from N line and 660 ft. from W line of sec. 16

SW SW Sec. 16  
(1/4 Sec. and Sec. No.)

41S  
(Twp.)

24E  
(Range)

S.I.M.  
(Meridian)

Rutherford  
(Field)

San Juan County, Utah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the ~~well~~ ungraded ground above sea level is 4713 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)

Moved in Well Service Unit, pulled rods and tubing. Perforated Ismay zone 5493-99, 5501-08, 5514-19, and 5528-30, and Desert Creek zone 5549-55, 5561-69, 5620-23, and 5631-40'. Set retrievable bridge plug and packer, acidized new Desert Creek perms. with 2500 gals. 15% regular acid, moved up hole and acidized Ismay perms. with 2500 gals. 15% regular acid, pulled BP and packer, swab tested well, reran pump. installation and put well on pump producing from Desert Creek and Ismay zones of Paradox formation with production commingled down hole.

Work performed from July 5, 1961 through July 8, 1961.

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

Company Phillips Petroleum Company

Address P. O. Drawer 1150

Cortes, Colorado

By C. M. Boles

Title District Superintendent

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Indian

7. UNIT AGREEMENT NAME

SN-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

16-14

10. FIELD AND POOL, OR WILDCAT

Greater Anoth

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

16-418-24E, S.L.M.

1.

OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Phillips Petroleum Company

3. ADDRESS OF OPERATOR

Box 1150, Cortez, Colorado 81321

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

At surface

660' TBL and 660' RWL, Sec. 16-418-24E, S.L.M.

14. PERMIT NO.

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

4713' ungraded ground

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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 2,000 gallons 15% regular acid, 200 gallons Block, and 2,000 gallons 15% regular acid.

Present Production: 63 BOPD, 37 MFPD.

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

SIGNED

*G. W. Dolan*

TITLE

District Superintendent

DATE

8-29-65

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT TO INDICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**14-20-603-355**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**Navajo Tribe**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1.

OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

**Phillips Petroleum Company**

3. ADDRESS OF OPERATOR

**Box 1150, Cortez, Colorado 81321**

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

**600' FWL; 660' FWL Sec. 16**

7. UNIT AGREEMENT NAME

**8W-I-4192**

8. FARM OR LEASE NAME

**Rutherford Unit**

9. WELL NO.

**16-14**

10. FIELD AND POOL, OR WILDCAT

**Greater Aneth**

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

**16-41S-24E, S.1.M.**

14. PERMIT NO.

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

**4713 ungraded ground**

12. COUNTY OR PARISH 18. STATE  
**San Juan Utah**

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

**In attempt to improve production, treat well with 2,000 gallons 15% acid, 200 gallons Sol Block, and 2000 gallons 15% acid and return well to production.**

**Present Production: 56 BOPD, 44 MCFD, 43 BWPD.**

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

SIGNED

**C. M. Bolton**

TITLE

**District Superintendent**

DATE

**9-9-65**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-603-355**

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

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

9. WELL NO.  
**16-1A**

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**16-41S-24E, S.L.M.**

12. COUNTY OF ~~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. Drawer 1150, Cortez, Colorado**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**660' FSL and 660' FSL, Sec. 16-41S-24E, S.L.M.**

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4713' ungraded ground**

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

On September 14, 1965, moved in well service unit, pulled rods and tubing, reran tubing with packer set at 5411'. Acidized well with 2000 gallons 15% regular, 200 gallons block, 2000 gallons regular 15% acid (2 gallons I-5 and 2 gallons of I-5 additives used per 1000 gallons acid). Pulled tubing with packer, reran tubing and rods, started well pumping.

Previous Production (Paradox Formation, Desert Creek Zone): 50 BOPD, 45 MCFOPD, 27 BWPD.  
Present Production (Paradox Formation, Desert Creek Zone): 66 BOPD, 69 MCFOPD, 71 BWPD.

(Note: Two Intentions to "Shoot or Acidize" were inadvertently filed on this well, one dated 8-23-65, and one dated 9-9-65. This Subsequent report covers the work as outlined on both intentions).

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

SIGNED

**C. H. Hales**

TITLE

**District Superintendent**

DATE

**9/30/65**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THIS MANNER\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SN-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

16-14

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

16-415-24E, S.L.M.

12. COUNTY ~~successor~~ 13. STATE

San Juan

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
Drawer 1150, Cortez, Colorado

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

660' FSL and 660' FWL, Sec. 16-415-24E, S.L.M.

14. PERMIT NO.

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

4713' ungraded ground

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) **Squeeze cement and acidize**

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

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

Squeeze cement Zone II perforations 5682-90' and commingled lower Zone I perforations 5620-23 and 5631-40', isolate Zone I perforations 5549-55 and 5561-69' and acidize with 4000 gallons 15% in two stages, isolate Ismay perforations 5493-99, 5501-08, 5514-19 and 5529-30 and acidize with 6000 gallons 15% in 3 stages, return to pumping from commingled Ismay and Zone I.

Current producing rate, with packer isolation of Zone II is 2 BOPD and 1 BWPD from Ismay (5493-5530 overall) and Zone I (5549-69 overall). Producing rate from the commingled intervals before packer isolation tests was 4 BOPD and 650 BWPD.

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

SIGNED

C. H. Boles

TITLE District Superintendent

DATE 6-26-69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Orig. & 2 cc: USGS, Farmington, NM  
2 cc: Utah CGCC, Salt Lake City  
1 cc: Denver Office  
1 cc: File

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THE REVERSE SIDE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Ratherford Unit

9. WELL NO.

16-14

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

16-41S-24E S.L.M.

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Phillips Petroleum Company

3. ADDRESS OF OPERATOR  
Drawer 1150, Cortez, Colorado 81321

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

660' FSL and 660' FWL, Sec. 16-41S-24E, S.L.M.

14. PERMIT NO.

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

4713' ungraded ground

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Squeeze cement & acidize

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

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

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

On July 14, 1969, set retainer at 5581', squeezed Lower Zone I perforations 5620-23, 5631-40 and Zone II perforations 5682-90 with 250 sx. cement, holding pressure. W.O.C. 5 hours, squeezed with 100 sacks, reversed out 42 sacks, holding pressure 5000#. Acidized upper Zone I and Ismay perforations with 10,000 gals. 15% acid in 5 equal stages with oil and mothball block between all stages except first and second stage. (The Ismay and Zone I perforations communicated at end of first stage). Swabbed well, started pumping from Ismay perforations 5493-99, 5501-08, 5514-19, 5528-30, and upper Desert Creek Zone I perforations 5549-55 and 5561-69 on 7-19-69.

PREVIOUS PRODUCTION (Greater Aneth - Paradox, Ismay, Desert Creek Zone I & II)  
0 BOPD, 14 MCF GPD, 901 BWPD.

Above test with all zones open - packer isolation tests of Ismay and upper Zone I perforations produced 2 BO, 5 MCF Gas, and 0 BW in 24 hours on 6-11-69 with lower Zone I perforations and Zone II perforations shut off.

PRESENT PRODUCTION: 204 BOPD, 214 MCF GPD, 38 BWPD.

(Greater Aneth - Paradox, Ismay and Desert Creek Zone I)

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

SIGNED

C. M. Boles

TITLE District Superintendent

DATE 8-21-69

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Orig. & 2 cc: USGS, Farmington, NM

2 cc: Utah O&GCC, Salt Lake Utah

1 cc: Denver

1 cc: Superior, Cortez

1 cc: File

\*See Instructions on Reverse Side

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE  
(Other instructions on reverse side)

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 Ratherford 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
14. PERMIT NO. See Attached		9. WELL NO.
15. ELEVATIONS (Show whether DF, AT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT N/A
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Attached
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

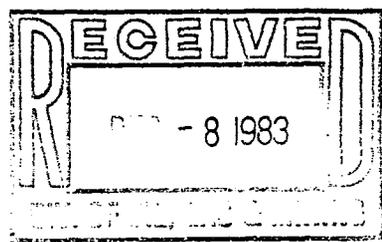
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	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.

*100 wells 16-14*



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

18. 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>
E14-12	SW NW Sec. 14-T41S-R24E	43-037-15998	Act.
E14-13	NW SW Sec. 14-T41S-R24E	43-037-15999	SI
10-44	SE SE Sec. 10-T41S-R24E	43-037-30451	Act.
15-12	SW NW Sec. 15-T41S-R24E	43-037-15715	Act.
15-14	SW SW Sec. 15-T41S-R24E	43-037-15716	SI
15-22	SE NW Sec. 15-T41S-R24E	43-037-30449	Act.
15-32	SW NE Sec. 15-T41S-R24E	43-037-15717	Act.
15-33	NW SE Sec. 15-T41S-R24E	43-037-15718	SI
15-41	NE NE Sec. 15-T41S-R24E	43-037-15719	Act.
15-42	SE NE Sec. 15-T41S-R24E	43-037-3-448	SI
16-12	SW NW Sec. 16-T41S-R24E	43-037-15720	Act.
16-14	SW SW Sec. 16-T41S-R24E	43-037-15721	Act.
16-32	SW NE Sec. 16-T41S-R24E	43-037-15723	Act.
16-34	SW SE Sec. 16-T41S-R24E	43-037-15724	SI
16-41	NE NE Sec. 16-T41S-R24E	43-037-15725	Act.
17-12	SW NW Sec. 17-T41S-R24E	43-037-15726	Act.
17-14	SW SW Sec. 17-T41S-R24E	43-037-15727	Act.
17-23	NE SW Sec. 17-T41S-R24E	43-037-15728	Act.
17-32	SW NE Sec. 17-T41S-R24E	43-037-15729	Act.
17-34	SW SE Sec. 17-T41S-R24E	43-037-15730	Act.
17-41	NE NE Sec. 17-T41S-R24E	43-037-15731	Act.
17-44	SE SE Sec. 17-T41S-R24E	43-037-15732	Act.
18-11	NW NW Sec. 18-T41S-R24E	43-037-15733	SI
18-13	NW SW Sec. 18-T41S-R24E	43-037-15734	Act.
18-14	SW SW Sec. 18-T41S-R24E	43-037-15735	Act.
18-23	NE SW Sec. 18-T41S-R24E	43-037-30244	Act.
18-32	SW NE Sec. 18-T41S-R24E	43-037-15736	Act.
18-34	SW SE Sec. 18-T41S-R24E	43-037-15737	Act.
19-12	SW NW Sec. 19-T41S-R24E	43-037-15739	Act.
19-14	SW SW Sec. 19-T41S-R24E	43-037-15740	SI
19-32	SW NE Sec. 19-T41S-R24E	43-037-15743	Act.
19-34	SW SE Sec. 19-T41S-R24E	43-037-15744	Act.
20-12	SW NW Sec. 20-T41S-R24E	43-037-15746	Act.
20-14	SW SW Sec. 20-T41S-R24E	43-037-15747	Act.
20-32	SW NE Sec. 20-T41S-R24E	43-037-15749	Act.
20-34	SW SE Sec. 20-T41S-R24E	43-037-15750	Act.
21-12	SW NW Sec. 21-T41S-R24E	43-037-15752	Act.
21-14	SW SW Sec. 21-T41S-R24E	43-037-15753	Act.
21-23	NE SW Sec. 21-T41S-R24E	43-037-13754	Act.
21-32	SW NE Sec. 21-T41S-R24E	43-037-15755	Act.
21-33	NW SE Sec. 21-T41S-R24E	43-037-30447	SI
21-34	SW SE Sec. 21-T41S-R24E	43-037-15756	Act.
22-12	SW NW Sec. 22-T41S-R24E	43-037-15757	SI
22-14	SW SW Sec. 22-T41S-R24E	43-037-15758	SI
24-42	SE NE Sec. 24-T41S-R24E	43-037-15863	Act.
28-11	NW NW Sec. 28-T41S-R24E	43-037-30446	Act.
28-12	SW NW Sec. 28-T41S-R24E	43-037-15336	Act.
29-12	SW NW Sec. 29-T41S-R24E	43-037-15337	Act.
29-32	SW NE Sec. 29-T41S-R24E	43-037-15339	Act.

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

**SUBMIT IN TRIPlicate**  
(Other instructions on reverse side)

Budget Bureau No. 1004-0138  
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.)

<b>RECEIVED</b>		4. LEASE DESIGNATION AND SERIAL NO. 14-20-603-353 14-20-603-355 5. IF INDIAN, ALLOTTEE OR TRIBE NAME  Navajo <i>A-14</i>
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER    Flowline	MAY 06 1985	7. UNIT ASSIGNMENT NAME SW-I-4192
2. NAME OF OPERATOR Phillips Oil Company		8. NAME OR LEASE NAME Rutherford Unit <i>16-14</i>
3. ADDRESS OF OPERATOR P. O. Box 2920 Casper, WY 82602		9. WELL NO.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  SW SW Sec. 16 & SE SE Sec. 17 of T41S-R24E San Juan Co., Utah		10. FIELD AND FOOT, OR WILDCAT Greater Aneth
DIVISION OF OIL AND GAS		11. SEC. T., R., E., OR BLM, AND SURVEY OR AREA Sec. 16 & 17 T41S-R24E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, ST, GR, etc.)  4760' MSL	12. COUNTY OR PARISH    13. STATE San Juan Co.            Utah

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

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

Phillips Oil Company requests approval to install a flowline as shown on the attached Plat A-2A. This flowline will connect Tank Battery 1 with the Water Injection Plant. The line will be used to carry oil-water emulsion from the Water Injection Plant to Tank Battery 1. The proposed flowline will parallel an existing water line connecting the two locations.

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

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

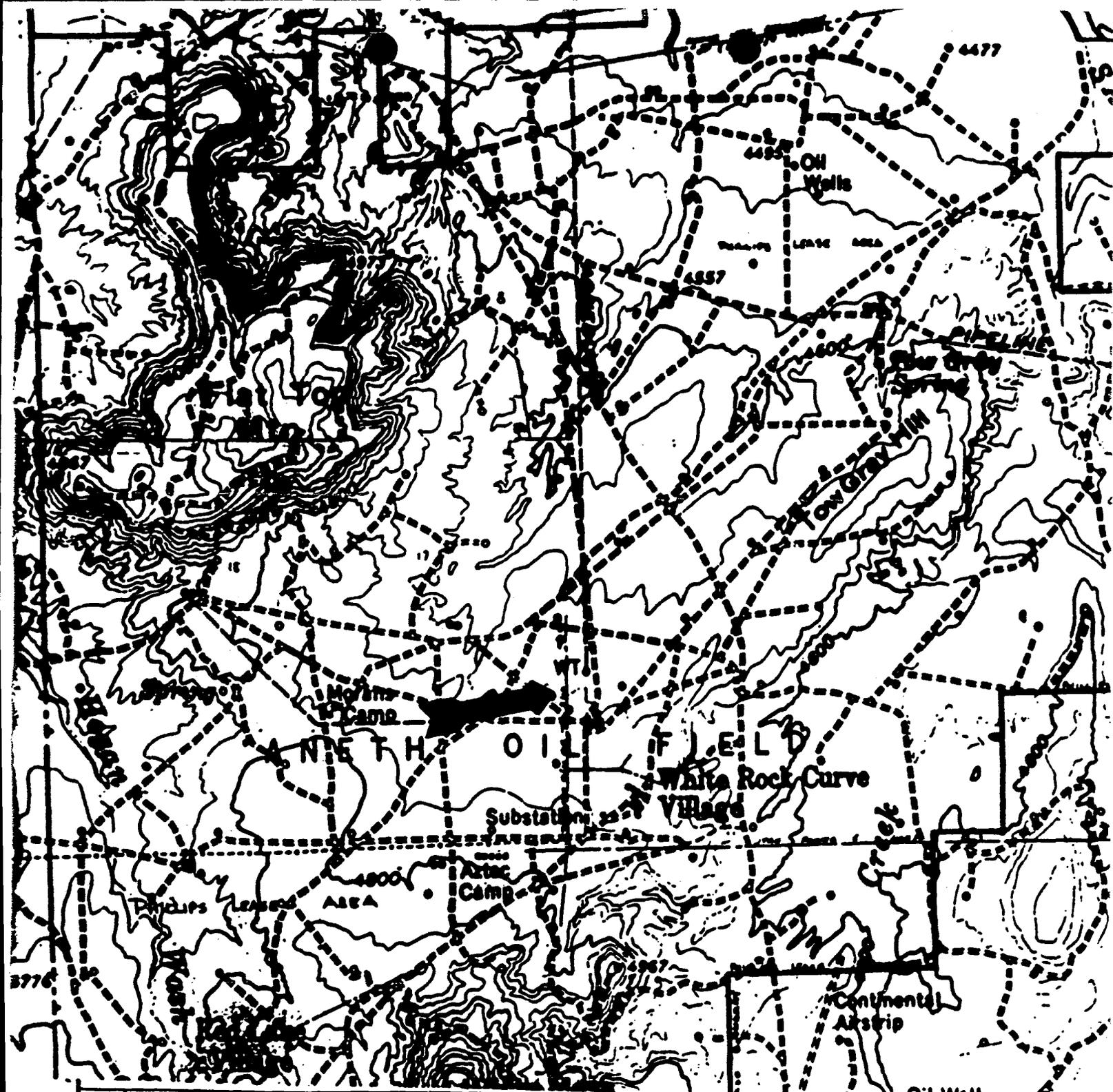
SIGNED *A. E. Stuart* TITLE Area Manager DATE February 4, 1985

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

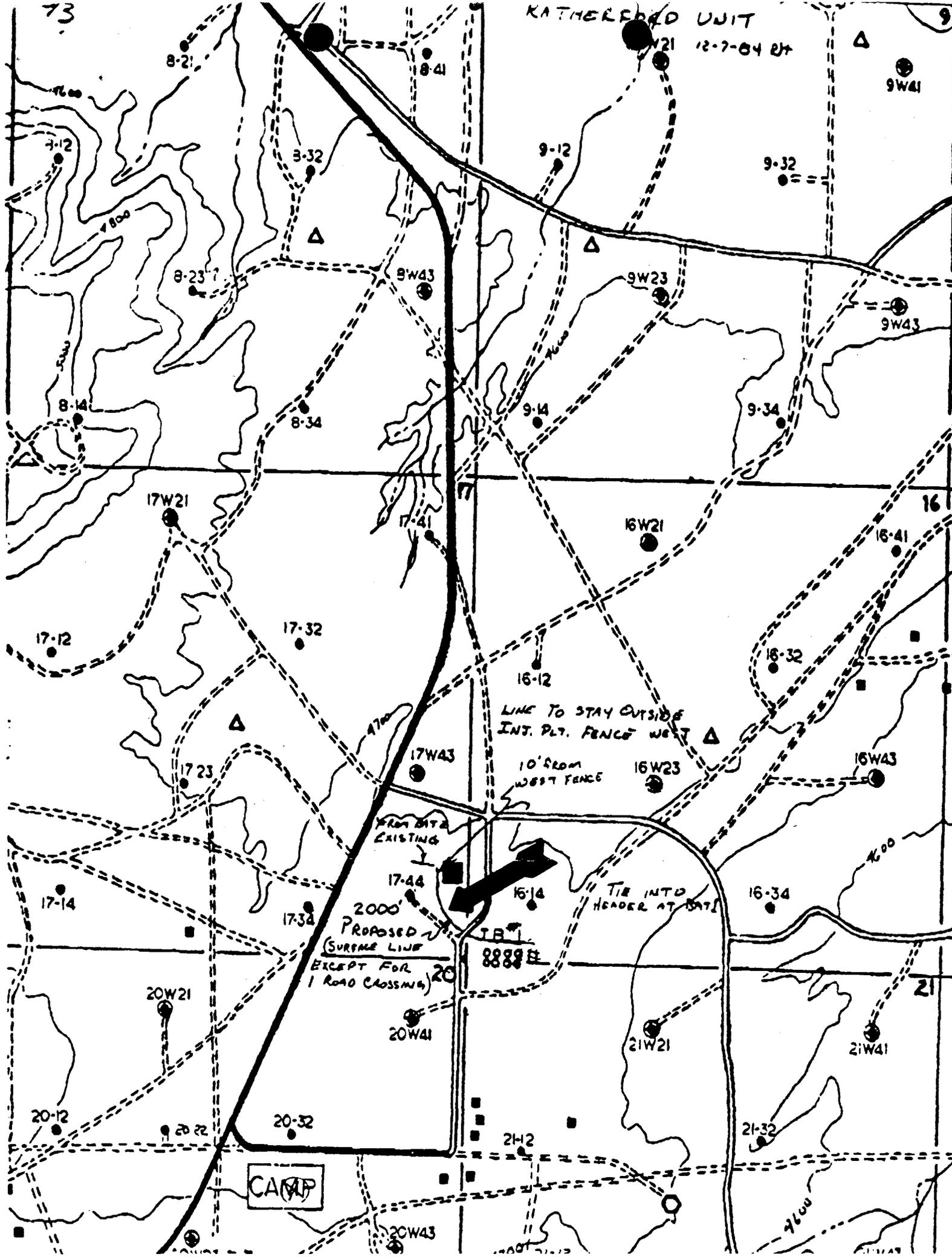
\*See instructions on Reverse Side



NO.	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS	 <b>PHILLIPS PETROLEUM COMPANY</b> BARTLESVILLE, OKLAHOMA		JA NO	FILE CODE	
FOR APPR			AFE NO	SCALE	
FOR CONST				2.2" = 1 mi	
DRAWN	<b>RATHERFORD UNIT</b> <b>PROPOSED FLOWLINE PLAT</b> SEC. 16 & 17 T41S-R24E SAN JUAN CO., UTAH	<b>DWG NO</b> <b>A 2 A</b>	SH NO.		
CHECKED					
APP'D					

KATHERLED UNIT

12-7-64 BT



LINE TO STAY OUTSIDE  
INT. PLT. FENCE WEST  
10' FROM  
WEST FENCE

2000'  
PROPOSED  
(SURFACE LINE  
EXCEPT FOR  
1 ROAD CROSSING)

TIE INTO  
HEADER AT DATI

CAMP

T.B.

FROM DATA  
EXISTING

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
ROOM 4241 STATE OFFICE BUILDING  
SALT LAKE CITY, UTAH 84114  
(801) 533-5771  
(RULE 1-5 & RULE 1-4)

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 16 W 14 WELL  
SEC. 16 TWP. 41S 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 1-4)	<input type="checkbox"/>

APPLICATION

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

1. That Rule 1-5 (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>16 W 14</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>16 W 14</u> Sec. <u>16</u> Twp. <u>41S</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 _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate 1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil & Gas
Location of Injection Source(s) <u>Desert Creek Paradox I &amp; II/ San Juan River</u>	Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5349) San Juan River (Surface)</u>		
Geologic Name of Injection Zone <u>Desert Creek Zone I</u>	Depth of Injection Interval <u>5349 to 5040</u>		
a. Top of the Perforated Interval: <u>5349</u>	b. Base of Fresh Water: <u>1550</u>	c. Intervening Thickness (a minus b) <u>3999</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 *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 4th day of APRIL, 19 86

County of Natrona State of Wyoming



Donald L. Hudson

My Commission Expires Nov. 3, 1986

My commission expires Nov. 3, 1986

Notary Public in and for Natrona Co., Wyoming

(OVER)

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 leasehole within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface 27.1#	13 3/8"	173'	175 SX	Surface	Returns
Intermediate 24#	8 5/8"	1492'	595 SX	Surface	returns
Production 14#	5 1/2"	5727	+232 SX	4241'	Calculated
Tubing	2-3/8 or 2-7/8	Name - Type - Depth of Tubing Packer Baker type AB Tension Pkr or Similar (5749)			
PB Total Depth 5581	Geologic Name - Inj. Zone Desert Creek Zone 1	Depth - Top of Inj. Interval 5549	Depth - Base of Inj. Interval 5640		

LOCATION: SW SW Sec 16 - T41S - R24E  
FIELD: GREATER ANCH H San Juan Co. Ut.  
RESERVOIR: Desert Creek Zone I

WELL COMPLETION: Injector  
PRESENT STATUS: Conversion

RKB 4725'  
GL 4713'

173'

SURFACE CASING: 1 3/8"  
27.1# Armco

Well #: 16W14

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

1492

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

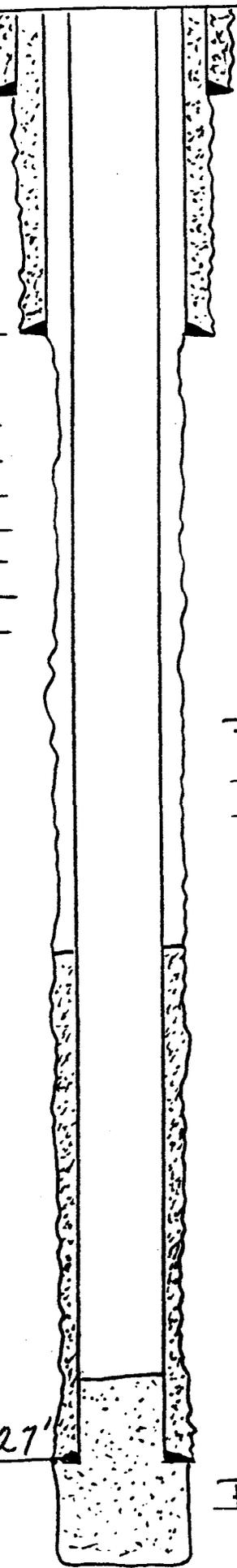
PERFORATIONS:  
5549-55  
5561-69  
5620-23  
5631-40

PACKER: Baker Model AB  
Tension Type Pkr or Similar  
Set @ 5449 Approx

PBTD: 5581-  
OTD: 5727'

5727'

Phillips Petroleum Company



STATE OF UTAH  
 DIVISION OF OIL, GAS, AND MINING  
 ROOM 4241 STATE OFFICE BUILDING  
 SALT LAKE CITY, UTAH 84114  
 (801) 533-5771  
 (RULE 1-5 & RULE 1-4)

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 16 W14 WELL  
 SEC. 16 TWP. 41S 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 1-4)	<input type="checkbox"/>

APPLICATION

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

1. That Rule 1-5 (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 Ratherford Unit	Well No. <u>16 W14</u>	Field Greater Aneth	County San Juan
Location of Enhanced Recovery Injection or Disposal Well <u>16 W14</u> Sec. <u>16</u> Twp. <u>41S</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 _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate</u> <u>1550'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What Oil & Gas
Location of Injection Source(s) Desert Creek Paradox I & II/ San Juan River	Geologic Name(s) and Depth of Source(s) Desert Creek ( <u>5549</u> ) San Juan River (Surface)		
Geologic Name of Injection Zone Desert Creek Zone I	Depth of Injection Interval <u>5549</u> to <u>5040</u>		
a. Top of the Perforated Interval: <u>5549</u>	b. Base of Fresh Water: <u>1550</u>	c. Intervening Thickness (a minus b) <u>3999</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> See previously submitted material, attachment #4			
Lithology of Intervening Zones See previously submitted material, attachment #1			
Injection Rates and Pressures Maximum <u>500</u> B/D Not to exceed approximately <u>3000</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. Navajo Tribe, Minerals Dept., P. O. Box 146, Window Rock, AZ 86515 Mobil Oil Corp. Attn; Joint Interest Advisor P. O. Box 5444 Denver, CO 80217 Texaco Inc., P. O. Box 2100, Denver, CO 80201			

State of Wyoming)

Phillips Petroleum Company

County of Natrona)

Applicant  
D. C. Gill

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  
 County of Natrona State of Wyoming  
 My Commission Expires Nov. 3, 1986  
 My commission expires Nov. 3, 1984

Subscribed and sworn to before me this 4th day of APRIL, 19 86

Donald L. Hudson

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.
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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

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Production 14#	5 1/2"	5727	+232 SX	4241'	Calculated
Tubing	2-3/8 or 2-7/8		Name - Type - Depth of Tubing Packer Baker type AB Tension Pkr or Similar (5349)		
PB Total Depth 5581	Geologic Name - Inj. Zone Desert Creek Zone 1	Depth - Top of Inj. Interval 5549	Depth - Base of Inj. Interval 5640		

LOCATION: SW SW Sec. 16 - T41S - R24E  
FIELD: GREATER ANL H San Juan Co. Ut.  
RESERVOIR: Desert Creek Zone I

COMPLETION: Injector  
PRESENT STATUS: Conversion

RKB 4725'  
GL 4713'

173'

SURFACE CASING: 1 3/8"  
27.1# Armco

Well #: 16W14

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

1492

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

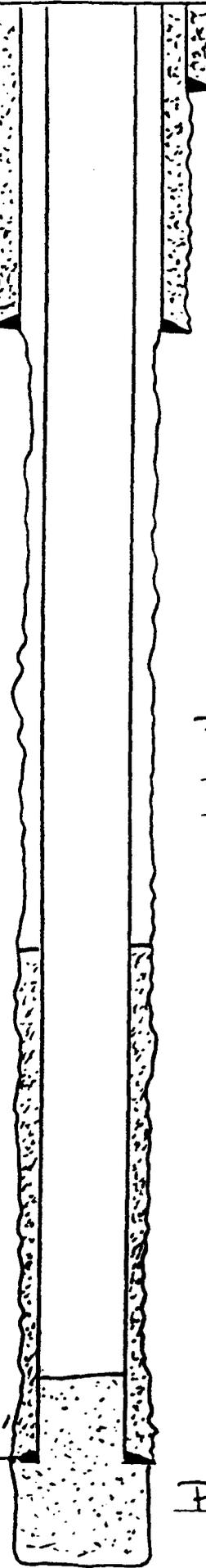
PERFORATIONS: \_\_\_\_\_  
5549-55  
\_\_\_\_\_  
5561-69  
\_\_\_\_\_  
5620-23  
\_\_\_\_\_  
5631-40  
\_\_\_\_\_  
\_\_\_\_\_

PACKER: Baker Model AB  
Tension Type Pkr or Similar  
Set @ 5449 Approx

PBTD: 5581-  
OTD: 5727'

5727'

Phillips Petroleum Company





**PHILLIPS PETROLEUM COMPANY**

CASPER, WYOMING 82602  
BOX 2920

EXPLORATION AND PRODUCTION GROUP

April 2, 1986

**RECEIVED**  
APR 09 1986

DIVISION OF  
OIL, GAS & MINING

State of Utah  
Oil, Gas and Mining  
Division of Natural Resources  
355 W. North Temple, 3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: Gilbert Hunt

RE: UIC Permit Applications  
Ratherford Unit  
San Juan County, Utah

Dear Mr. Hunt:

Attached are nine applications for the conversion of oil wells to injection at the Ratherford Unit. The required application attachments are the same as those submitted in February and have not been included in this package.

The well conversions applied for are:

13W31	16W14	18W14
14W42	17W14	24W31
16W12	17W41	24W42

Please contact R. C. Taylor of this office with any questions at (307) 237-3791.

Sincerely,

PHILLIPS PETROLEUM COMPANY

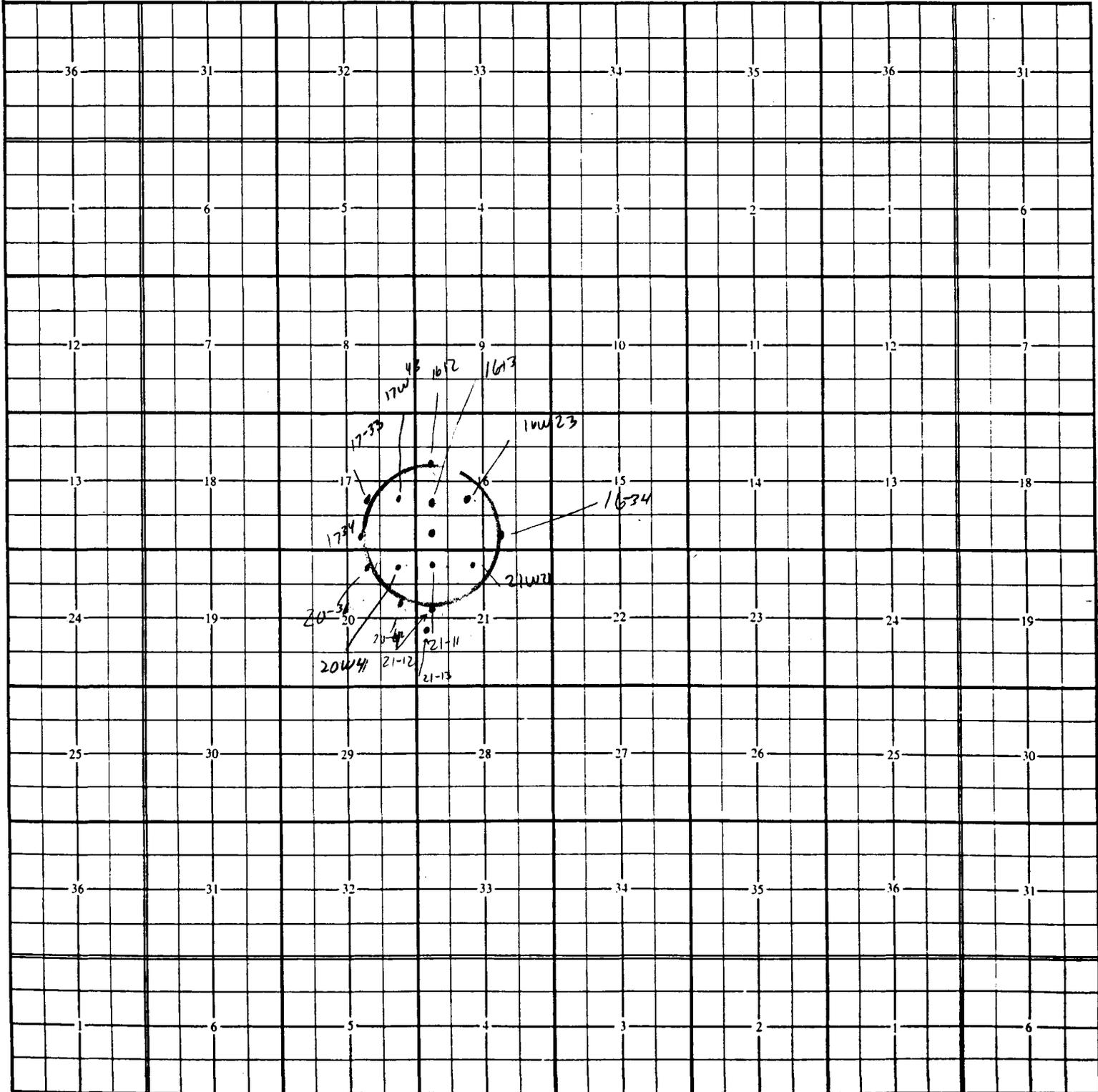
D. C. Gill  
Area Manager

RCT/fb (39)  
Casper RC

# TOWNSHIP PLAT

Owner Phillips Petroleum Company Date 4/9/86

Township 41 S. Range 24E County SAN JUAN  
Ratherford 16-14



UIC CHECKLIST FOR APPLICATION APPROVAL

OPERATOR Phillips Petroleum WELL NUMBER Rutherford 16-14  
SEC. 16 T. 41S R. 24E COUNTY San Juan  
API # 43-037-15721

NEW WELL \_\_\_\_\_ DISPOSAL WELL \_\_\_\_\_ ENHANCED RECOVERY WELL ✓

- |                                  |     |          |    |       |
|----------------------------------|-----|----------|----|-------|
| - Plat showing surface ownership | Yes | <u>✓</u> | No | _____ |
| - Application forms complete     | Yes | <u>✓</u> | No | _____ |
| - Schematic of well bore         | Yes | <u>✓</u> | No | _____ |
| - Adequate geologic information  | Yes | <u>✓</u> | No | _____ |
| - Rate and Pressure information  | Yes | <u>✓</u> | No | _____ |
| - Fluid source                   | Yes | <u>✓</u> | No | _____ |
| - Analysis of formation fluid    | Yes | <u>✓</u> | No | _____ |
| - Analysis of injection fluid    | Yes | <u>✓</u> | No | _____ |
| - USDW information               | Yes | <u>✓</u> | No | _____ |
| - Mechanical integrity test      | Yes | <u>✓</u> | No | _____ |

Comments: No Plugged wells in area of review  
4 injection wells  
8 producing wells

Reviewed by [Signature] 4/19/86

MONTHLY REPORT OF ENHANCED RECOVERY PROJECT - PART 2 Page 3

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>
15W2343-037-16412 ✓	1950	49		1372
15W4343-037-16413 ✓ 43-037-15720	1800	20		562
16W12 New 2/19/87 43-037-15721	1350	380		3864
16W14 New 2/26/87	2225	110		329
16W21-43-037-16414 ✓	1250	322		9027
16W23 43-037-15722 ✓	1200	178		4971
16W4343-037-16415 ✓	2200	114		3202
17W1243-037-15726 ✓	2250	82		2303
17W2143-037-16411 ✓	2300	42		1187
17W2343-037-15728 ✓	2400	62		1733
17W4143-037-15731 ✓	2275	60		1693
17W4343-037-16417 ✓ 43-037-31153	2375	23		647
18W12 New 2/13/87	1900	252		4025
18W14 43-037-15735 ✓	2200	14		392
18W21 43-037-16418 ✓	2200	36		1019
18W2343-037-15736 ✓	2100	92		2586
18W3243-037-15736 ✓ 43-037-15737	2300	54		1517
18W34 New 2/11/87	0	462		8310
18W41 43-037-15738 ✓	2200	41		1155
18W43 43-037-16419 ✓	SI	SI		SI
19W21 -43-037-15744 ✓	2300	144		4040
19W23 43-037-15742 ✓	2300	166		4638

MONTHLY REPORT OF ENHANCED RECOVERY PROJECT - PART 2 Page 3

MONTHLY MONITORING OF INJECTION WELLS

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18W34 New 2/11/87	0	462		8310
18W41 43-037-15738 ✓	2200	41		1155
18W43 43-037-16419 ✓	SI	SI		SI
19W21 -43-037-15741 ✓	2300	144		4040
19W23 43-037-15742 ✓	2300	166		4638



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Doe 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 23, 1986

Newspaper Agency Corporation  
Legal Advertising  
143 South Main - Mezzanine Floor  
Salt Lake City, Utah 84110

Gentlemen:

RE: Cause No. UIC-082

Enclosed 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 7th day of May, 1986. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

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.

Sincerely,

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

for  
Marjorie L. Anderson  
Administrative Assistant

mfp

Enclosure

UIC-082

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

Navajo Tribe  
Minerals Department  
PO Box 146  
Window Rock, Arizona 86515

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

Texaco Incorporated  
PO Box 2100  
Denver, Colorado 80201

Phillips Petroleum Company  
PO Box 2920  
Casper, Wyoming 82602

Newspaper Agency Corporation  
Legal Advertising  
143 South Main - Mezzanine Floor  
Salt Lake City, Utah 84110

San Juan Record  
Legal Advertising  
PO Box 879  
Monticello, Utah 84535

  
\_\_\_\_\_  
April 23, 1986



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 23, 1986

San Juan Record  
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P.O. Box 879  
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Sincerely,

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

*for*  
Marjorie L. Anderson  
Administrative Assistant

mfp

Enclosure

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

---00000---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-082  
OF PHILLIPS PETROLEUM COMPANY, :  
FOR ADMINISTRATIVE APPROVAL TO :  
INJECT FLUID INTO WELLS TO BE :  
CONVERTED TO ENHANCED RECOVERY :  
INJECTION WELLS LOCATED IN SEC- :  
TIONS 13, 14 AND 24, TOWNSHIP 41 :  
SOUTH, RANGE 23 EAST; AND SECTIONS :  
16, 17, AND 18, TOWNSHIP 41 SOUTH, :  
RANGE 24 EAST, S.L.M. SAN JUAN :  
COUNTY, UTAH :

---00000---

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 - San Juan County, Utah

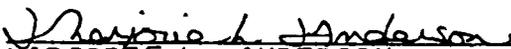
#13-31, Sec. 13, T41S, R23E	#16-14, Sec. 16, T41S, R24E
#14-42, Sec. 14, T41S, R23E	#17-14, Sec. 17, T41S, R24E
#24-42, Sec. 24, T41S, R23E	#17-41, Sec. 17, T41S, R24E
#24-31, Sec. 24, T41S, R23E	#18-14, Sec. 18, T41S, R24E
#16-12, Sec. 16, T41S, R24E	

INJECTION INTERVAL: Desert Creek Formation 5371' to 5640'  
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 21st day of April, 1986.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

  
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

May 23, 1986

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

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-082

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

RATHERFORD UNIT - San Juan County, Utah

#13-31, Sec. 13, T41S, R23E	#16-14, Sec. 16, T41S, R24E
#14-42, Sec. 14, T41S, R23E	#17-14, Sec. 17, T41S, R24E
#24-42, Sec. 24, T41S, R23E	#17-41, Sec. 17, T41S, R24E
#24-31, Sec. 24, T41S, R23E	#18-14, Sec. 18, T41S, R24E
#16-12, Sec. 16, 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 wells as outlined in the applications 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

# Affidavit of Publication

ADM-35B

STATE OF UTAH,  
County of Salt Lake

SS.

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH CAUSE NO. UIC-082 IN THE MATTER OF THE APPLICATION OF PHILLIPS PETROLEUM COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT FLUID INTO WELLS TO BE CONVERTED TO ENHANCED RECOVERY INJECTION WELLS LOCATED IN SECTIONS 13, 14 AND 24, TOWNSHIP 41 SOUTH, RANGE 23 EAST; AND SECTIONS 16, 17, AND 18 TOWNSHIP 41 SOUTH, RANGE 24 EAST, S.L.M. SAN JUAN COUNTY, UTAH.

.....Cheryl Gierloff.....

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.

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

That the legal notice of which a copy is attached hereto

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: WATERFOR UNIT San Juan County, Utah #13-31, Sec. 13, T41S, R23E #14-42, Sec. 14, T41S, R23E #24-42, Sec. 24, T41S, R23E #24-31, Sec. 24, T41S, R23E #16-12, Sec. 16, T41S, R24E #16-14, Sec. 16, T41S, R24E #17-14, Sec. 17, T41S, R24E #17-41, Sec. 17, T41S, R24E #18-14, Sec. 18, T41S, R24E

.....Cause No. UIC-082 - Application of Phillips.....

.....Petroleum Company.....

was published in said newspaper on.....

.....May 7, 1986.....

*Cheryl Gierloff*  
Legal Advertising Clerk

INJECTION INTERVAL: Desert Creek Formation 5371' to 5640' 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 21st day of April, 1986.

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

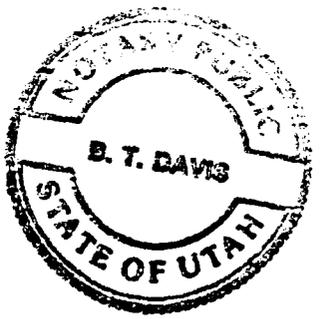
Subscribed and sworn to before me this .....20th..... day of

.....May..... A.D. 1986.....

*B. T. Davis*  
Notary Public

My Commission Expires

.....March 1, 1988.....



# AFFIDAVIT OF PUBLICATIO

## Public notice

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

IN THE MATTER OF THE APPLICA  
TION OF PHILLIPS PETROLEUM  
COMPANY, FOR ADMINISTRATIVE  
APPROVAL TO INJECT FLUID INTO  
WELLS TO BE CONVERTED TO  
ENHANCED RECOVERY INJE  
CTION WELLS LOCATED IN SEC  
TIONS 13, 14 AND 24, TOWNSHIP 41  
SOUTH, RANGE 23 EAST; AND  
SECTIONS 16, 17 AND 18, TOWNSHIP  
41 SOUTH, RANGE 24 EAST, S.L.M.  
SAN JUAN COUNTY, UTAH

CAUSE NO. UIC-082

IN 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  
San Juan County, Utah
- #13-31, Sec. 13, T41S, R23E
- #14-42, Sec. 14, T41S, R23E
- #24-42, Sec. 24, T41S, R23E
- #24-31, Sec. 24, T41S, R23E
- #16-12, Sec. 16, T41S, R24E
- #16-14, Sec. 16, T41S, R24E
- #17-14, Sec. 17, T41S, R24E
- #17-41, Sec. 17, T41S, R24E
- #18-14, Sec. 18, T41S, R24E

INJECTION INTERVAL: Desert Creek  
Formation 5371' to 5640'  
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 84108-1203.

DATED this 21st day of April, 1986.

STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING  
/s/ MARJORIE L. ANDERSON  
565-8622  
Laying hens David Bland (003)  
4-23-20

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 Cause No. UIC-082

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 April 30, 1986.  
and the last publication having been made on \_\_\_\_\_

Signature

*Joyce A Martin*  
\_\_\_\_\_  
Publisher

Subscribed and sworn to before me this 30th  
day of April, A.D. 1986.

*Freid K Adams*  
\_\_\_\_\_  
Notary Public  
Residing at Monticello, Utah.

My commission expires December 2, 1987

BUREAU OF LAND MANAGEMENT

SUNDRY NOTIC... 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.)

14-20-603-355  
sent 12/1/86 MJP  
U. OF UTAH, ALLOTTED ON THIS NAME  
Navajo 122411

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. WELL IDENTIFICATION NAME SW-I-4192	
2. NAME OF OPERATOR Phillips Petroleum Company		8. NAME OF LEASE NAME Ratherford Unit	
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, WY 82602		9. WELL NO. 16-14	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL, 660' FWL (SW SW)		10. FIELD AND FOOT, OR WELDCAT Greater Aneth	
14. PERMIT NO. 43-037-15721		11. SEC. 16, T. 41S, R. 24E Sec. 16-T41S-R24E	
15. ELEVATIONS (Show whether OF, ST, OR, etc.) 4727' RKB		12. COUNTY OR PARISH San Juan	13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PCLL 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"/>	ABANDONING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input 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.)\*

It is proposed to convert Ratherford Unit #16-14 from an Ismay and Zone I producing well to a Zone I water injection well. Upon conversion, the well will be acidized with approximately 3000 gallons of 28% HCl Acid and placed on injection.

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-M. Williams, 302 TRW
- 1-J. R. Reno
- 1-B. J. Murphy
- 1-File RC

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
 RECEIVED NOV 21 1986  
 DATE: 12/1/86  
 BY: [Signature]  
 Approval letter 5/23/86  
 DIVISION OF OIL, GAS & MINING

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

SIGNED [Signature] TITLE Area Manager DATE November 17, 1986  
 D. C. Gill

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

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.

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

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

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

**1. LEASE DESIGNATION AND SERIAL NO.**  
14-20-603-355

**4. IF UNLAP, ALLOTTEE OR TRIBE NAME**  
NAVAJO

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

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

**9. WELL NO.**  
16W14

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

**11. SEC., T., R., N., OR S.W. AND SUBST OR AREA**  
Sec. 16-T41S-R24E

**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** Water Injector

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

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

**4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface**  
  
660' FSL, 660' FWL      SW SW  
  
API# 43-037-15721

**14. PERMIT NO.**                      **15. ELEVATIONS (Show whether SP, ST, GR, etc.)**  
4727' 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	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other) Convert to water injection	<input checked="" type="checkbox"/>
(Other)	<input type="checkbox"/>		
PULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
CHANGE PLANS	<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.)\***

Feb. 2, 1987 through Feb. 25, 1987

RU 2/2/87. COOH w/rods and tbq. Clean out hole to 5587'. Ismay and Zone I are Communicating. Sqz the Ismay perfs 5493-5530' OA. Drill thru the Ismay and test sqz, OK. Re-perf Zone I. Acidize Zone I w/2100 gal 28% HCL. Acid job broke into the Ismay. Re-sqzd the Ismay. Drill thru the Ismay and test sqz, OK. Acidized Zone I w/2100 gal 28% HCL. Acid job broke into the Ismay again. Re-sqzd the Ismay. Drill thru the Ismay. Sqz would not hold press. Re-sqzd the Ismay. Drill thru the Ismay and test, OK. Drld to 5585', PBSD. Zone I had cement across it. Re-perf Zone I at 5562-70'. Acidized 5549-55' and 5562-70'w/1500 gal 28% HCL. Swbd back load. GIH w/Duoline 2-7/8" tbq and wtr injection pkr. Set pkr at 5483'. RD 2/25/87. HU to injection 2/26/87

**RECEIVED**      Production Before      19 BOPD,      2 BWPD  
Injection After      110 BWPD at 2225 psi

AUG 4 1987

DIVISION OF OIL  
GAS & MINING

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

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

SIGNED D. C. Gill                      TITLE Area Manager                      DATE 7/27/87

(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 # 16W14

Location SW SW sec. 16  
T41S-R24E

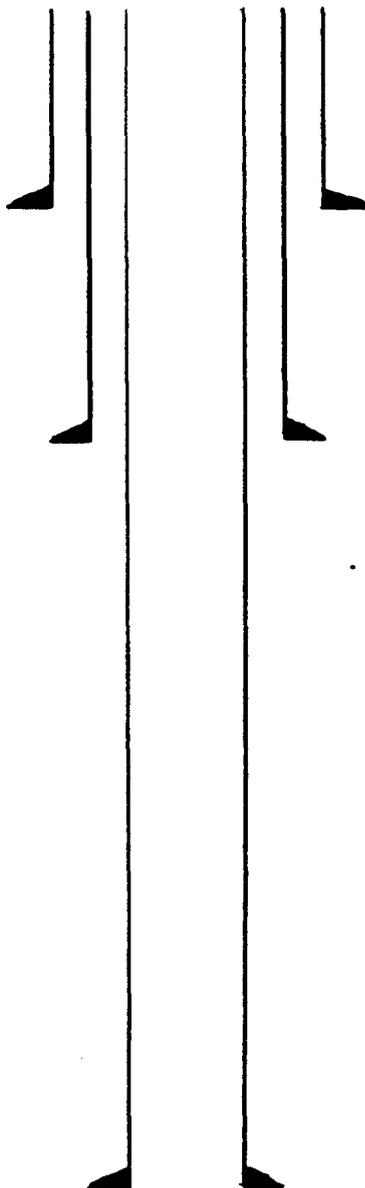
RKB Elev. 4726'

Well Drld 3/31/59

GL Elev. 4716'

Well converted  
to injector 2/25/87

RKB Above GL' 10'



CONDUCTOR Csg 13<sup>3</sup>/<sub>8</sub> @ 173'

SURFACE Csg. 8<sup>5</sup>/<sub>8</sub> @ 1492'

TOC 3500' CALL.

Tubing 2<sup>7</sup>/<sub>8</sub> @ 5546' Duoline H72

PACKER OTIS Inter-lock PKR.

Nickel Cased @ 5482

PERFS	<u>5549 - 55</u>	<u>          -</u>	<u>          -</u>
	<u>5562 - 70</u>	<u>          -</u>	<u>          -</u>
	<u>          -</u>	<u>          -</u>	<u>          -</u>
	<u>          -</u>	<u>          -</u>	<u>          -</u>

PBTD 5585'

PRODUCTION Csg. 5<sup>1</sup>/<sub>2</sub> @ 5727'  
K-55, 14#

All Perfs Zone I unless noted

23 181 50 SHEETS 1 SQUARE  
43 183 100 SHEETS 1 SQUARE



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.)

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

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

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

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

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

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

SIGNED S. H. Oden TITLE District Superintendent DATE March 17, 1989  
S. H. Oden  
(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT (Other reverse side)  
RIP  
ATE

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985  
13  
5. LEASE DESIGNATION AND SERIAL NO.  
14-20-603-355  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

3. ADDRESS OF OPERATOR  
**P. O. Box 1150, Cortez, CO 81321**

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

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

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

9. WELL NO.  
**#16W14**

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

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 16-T41S-R24E**

12. COUNTY OR PARISH  
**San Juan**

13. STATE  
**Utah**

14. PERMIT NO.  
**43-037-15721**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4725' GL**

MAY 01 1989

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

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

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

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

September 14, 1988 thru September 24, 1988

MI & RU Well Service unit 9/14/88. Release packer, POOH. RIH w/treating packer, set at 5545'. Acidize w/1200 gal. 28% acid. POOH. RIH w/injection packer and lined tubing, set packer at 5493'. Pressure test annulus to 1000 psi. Tested OK. Reset packer at 5533', pressure test annulus to 1080 psi. Tested OK. Return well to injection. Released rig 9/24/88.

Injection Before: 0 BWPD @ 2550 psi  
Injection After: 170 BWPD @ 2500 psi

- 5-BLM, Farmington, NM
- 2-Utah O&G, CC
- 1-M. Williams, Bartlesville
- 1-S. H. Oden, Casper
- 1-Chieftain
- 1-Mobil Oil
- 1-Texaco, Inc.
- 1-Chevron, USA
- 1-Cortez Office - RC

18. I hereby certify that the foregoing is true and correct  
SIGNED M. L. Mungin TITLE DIST. Supt. DATE 4/27/89

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

ACCOUNT NUMBER: N0772

**RECEIVED**

AUG 16 1993

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

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

*USCA*  
*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:

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

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT  (Highlight Changes)

*\*931006 updated. jfe*

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

**RECEIVED**

SEP 13 1993

DIVISION OF OIL, GAS & MINING

COMMENTS: *PLEASE NOTE ADDRESS change. Mobil ~~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.

Name and Signature: *Lwell B Sheffield*

Date: 9/5/93

Telephone Number: 303.565.2212  
244.658.2578

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO TRIBAL

7. UNIT AGREEMENT NAME

RATHERFORD UNIT

8. FARM OR LEASE NAME

9. WELL NO.

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

MOBIL OIL CORPORATION

3. ADDRESS OF OPERATOR

P. O. BOX 633 MIDLAND, TX 79702

SEP 15 1993

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

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

14. API NO.

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

12. COUNTY

SAN JUAN

13. STATE

UTAH

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) CHANGE OF OPERATOR

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

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

APPROX. DATE WORK WILL START \_\_\_\_\_

DATE OF COMPLETION \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

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

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

SIGNED

*Shirley Dodd*

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

✓ 12W-44	43-037-16405	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 660 FSL; 660 FEL
✓ 12W-44A	43-037-31543	14-20-603-246A	SEC. 12, T41S, R23E	SE/SE 807 FEL; 772 FSL
✓ 13-11W	43-037-31152	14-20-603-247A	SEC. 13, T41S, R23E	NW/NW 500 FNL; 660 FWL
✓ 13-12	43-037-31127	14-20-603-247A	SEC. 13, T41S, R23E	SW/NW 1705 FNL; 640 FWL
✓ 13W-13	43-037-15851	14-20-603-247A	SEC. 13, T41S, R23E	NW/SW 1980 FSL; 4620 FEL
✓ 13-14	43-037-31589	14-20-603-247A	SEC. 13, T41S, R23E	660 FSL; 660 FWL
✓ 13-21	43-037-31128	14-20-603-247A	SEC. 13, T41S, R23E	NE/NW 660 FNL; 1920 FWL
✓ 13W-22	43-037-15852	14-20-603-247A	SEC. 13, T41S, R23E	SE/NW 1988 FNL; 3300 FEL
✓ 13-23	43-037-31129	14-20-603-247A	SEC. 13, T41S, R23E	NE/SW 1980 FSL; 1930 FWL
<del>13W-44</del>	<del>43-037-15853</del>	<del>14-20-603-247</del>	<del>SEC. 13, T41S, R23E</del>	<del>600 FSL; 3300 FEL</del>
✓ 13W-32	43-037-16406	14-20-603-247A	SEC. 13, T41S, R23E	1881 FNL; 1979 FEL
✓ 13W-33	43-037-15855	14-20-603-247A	SEC. 13, T41S, R23E	NW/SE 1970 FSL; 1979 FEL
✓ 13W-34	43-037-31130	14-20-603-247A	SEC. 13, T41S, R23E	SW/SE 660 FSL; 1980 FEL
✓ 13-41	43-037-15856	14-20-603-247A	SEC. 13, T41S, R23E	NE/NE 660 FNL; 660 FEL
✓ 13W-42	43-037-15857	14-20-603-247A	SEC. 13, T41S, R23E	SE/NE 2139; 585 FEL
✓ 13-43	43-037-31131	14-20-603-247A	SEC. 13, T41S, R23E	NE/SE 1700 FSL; 960 FEL
✓ 13W-44	43-037-16407	14-20-603-247A	SEC. 13, T41S, R23E	SE/SE 635 FSL; 659 FEL
<del>14-03</del>	<del>NA</del>	<del>14-20-603-4037</del>	<del>SEC. 11, T41S, R23E</del>	<del>SW/SW 660 FSL; 660 FEL</del>
✓ 14-32	43-037-15858	14-20-603-247A	SEC. 14, T41S, R23E	2130 FNL; 1830 FEL
✓ 14-41	43-037-31623	14-20-603-247A	SEC. 14, T41S, R23E	NE/NE 521 FEL; 810 FNL
✓ 14W-42	43-037-15860	14-20-603-247A	SEC. 14, T41S, R23E	SE/NE 1976 FNL; 653 FEL
✓ 14W-43	43-037-16410	14-20-603-247A	SEC. 14, T41S, R23E	3300 FSL; 4770 FEL
✓ 14-33	43-037-15859	14-20-603-247	SEC. 14, T41S, R23E	2130 FSL; 1830 FEL
✓ 15-12	43-037-15715	14-20-603-355	SEC. 15, T41S, R24E	1820 FNL; 500 FWL
✓ 15W-21	43-037-16411	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 1820 FWL
✓ 15-22	43-037-30449	14-20-603-355	SEC. 15, T41S, R24E	SE/NW, 1980 FNL; 2050 FWL
✓ 15-32	43-037-15717	14-20-603-355A	SEC. 15, T41S, R24E	1980 FNL; 1980 FEL
✓ 15-33	43-037-15718	14-20-603-355	SEC. 15, T41S, R24E	NW/SE 1650 FSL; 1980 FEL
✓ 15-41	43-037-15719	14-20-603-355	SEC. 15, T41S, R24E	660 FNL; 660' FEL
✓ 15-42	43-037-30448	14-20-603-355	SEC. 15, T41S, R24E	SE/NE 2020 FNL; 820 FEL
✓ 16W-12	43-037-15720	14-20-603-355	SEC. 16, T41S, R24E	SW/NW 1880 FNL; 660 FWL
✓ 16-13	43-037-31168	14-20-603-355	SEC. 16, T41S, R24E	1980 FSL; 660 FWL
* 16W-14	43-037-15721	14-20-603-355	SEC. 16, T41S, R24E	SW/SW 660 FSL; 660 FWL
✓ 16W-21	43-037-16414	14-20-603-355	SEC. 16, T41S, R24E	NE/NW 660 FNL; 1880 FWL
✓ 16W-23	43-037-15722	14-20-603-355	SEC. 16, T41S, R24E	NE/SW 1980 FSL; 1980 FWL
✓ 16-32	43-037-15723	14-20-603-355	SEC. 16, T41S, R24E	1980 FNL; 1980' FEL
✓ 16-34	43-037-15724	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 1980' FEL
✓ 16-41	43-037-15725	14-20-603-355	SEC. 16, T41S, R24E	660 FNL; 660 FEL
✓ 16W-43	43-037-16415	14-20-603-355	SEC. 16, T41S, R24E	NE/SE 2140 FSL; 820 FEL
✓ 17-11	43-037-31169	14-20-603-353	SEC. 17, T41S, R24E	NW/NW 1075' FNL; 800' FWL
✓ 17W-12	43-037-15726	14-20-603-353	SEC. 17, T41S, R24E	SW/NW 1980' FNL; 510' FWL
✓ 17-13	43-037-31133	14-20-603-353	SEC. 17, T41S, R24E	NW/SW 2100' FSL; 660' FWL
✓ 17W-14	43-037-15727	14-20-603-353	SEC. 17, T41S, R24E	SW/SW 660' FSL; 660' FWL
✓ 17W-21	43-037-16416	14-20-603-353	SEC. 17, T41S, R24E	510' FNL; 1830' FWL
✓ 17-22	43-037-31170	14-20-603-353	SEC. 17, T41S, R24E	1980' FNL; 1980' FWL
✓ 17W-23	43-037-15728	14-20-603-353	SEC. 17, T41S, R24E	NE/SW 1980' FWL; 1880' FSL
✓ 17-31	43-037-31178	14-20-603-353	SEC. 17, T41S, R24E	NW/NE 500' FNL; 1980' FEL
✓ 17-32W	43-037-15729	14-20-603-353	SEC. 17, T41S, R24E	SW/NE 1830' FNL; 2030' FEL
✓ 17-33	43-037-31134	14-20-603-353	SEC. 17, T41S, R24E	NW/SE 1980' FSL; 1845' FEL
✓ 17-34W	43-037-15730	14-20-603-353	SEC. 17, T41S, R24E	SW/SE 560' FSL; 1880' FEL
✓ 17W-41	43-037-15731	14-20-603-353	SEC. 17, T41S, R24E	610' FNL; 510' FEL
✓ 17-42	43-037-31177	14-20-603-353	SEC. 17, T41S, R24E	SE/NE 1980; FNL, 660' FEL
✓ 17-44	43-037-15732	14-20-603-353	SEC. 17, T41S, R24E	660 FSL; 660' FEL
✓ 17W-43	43-037-16417	14-20-603-353	SEC. 17, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 18-11	43-037-15733	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 720' FNL; 730' FWL
✓ 18-12W	43-037-31153	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 1980' FNL; 560' FWL
✓ 18W-21	43-037-16418	14-20-603-353	SEC. 18, T41S, R24E	NE/NW 660' FNL; 1882' FWL
✓ 18-22	43-037-31236	14-20-603-353	SEC. 18, T41S, R24E	SW/NW 2200' FNL; 2210' FWL
✓ 18W-23	43-037-30244	14-20-603-353	SEC. 18, T41S, R24E	NE/SW 2385' FSL; 2040' FWL
✓ 18W-14	43-037-15735	14-20-603-353	SEC. 18, T41S, R24E	SW/SW 810' FSL; 600' FWL
✓ 18-24	43-037-31079	14-20-603-353	SEC. 18, T41S, R24E	SE/SW 760' FSL; 1980' FWL
✓ 18-31	43-037-31181	14-20-603-353	SEC. 18, T41S, R24E	NW/NE 795' FNL; 2090; FEL
<del>18W-32</del>	<del>43-037-15736</del>	<del>14-20-603-353</del>	<del>SEC. 18, T41S, R24E</del>	<del>SW/NE 2140' FNL; 1830' FEL</del>
✓ 18-33	43-037-31135	14-20-603-353	SEC. 18, T41S, R24E	NW/SE 1870' FSL; 1980' FEL
✓ 18-34W	43-037-15737	14-20-603-353	SEC. 18, T41S, R24E	SW/SE 780' FSL; 1860 FEL
✓ 18W-41	43-037-15738	14-20-603-353	SEC. 18, T41S, R24E	NE/NE 660' FNL; 660' FEL
✓ 18-42	43-037-31182	14-20-603-353	SEC. 18, T41S, R24E	SE/NE 2120' FNL; 745' FEL
✓ 18W-43	43-037-16419	14-20-603-353	SEC. 18, T41S, R24E	NE/SE 1980' FSL; 660' FEL
✓ 18-44	43-037-31045	14-20-603-353	SEC. 18, T41S, R24E	SE/SE 660' FSL; 660' FEL
✓ 19-11	43-037-31080	14-20-603-353	SEC. 19, T41S, R24E	NW/NW 660' FNL; 660' FWL
✓ 19-12	43-037-15739	14-20-603-353	SEC. 19, T41S, R24E	600' FWL; 1980' FNL
✓ 19-14	43-037-15740	14-20-603-353	SEC. 19, T41S, R24E	600' FSL; 660' FEL

PA'd

PA'd

Sept 29, 1993

TO: Lisha Cordova - Utah Mining  
Oil & Gas

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

Here is copy of Rutherford Unit  
Successor Operator.

4 pages including this one.

*file ratherford Unit (GC)*

RECEIVED  
BLM

JUL 27 AM 11:44

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

070 FARMINGTON, NM

ARES/543

JUL 26 1993

MINERAL	1993
NO.	
DATE	
BY	
REMARKS	
APPROVED	
SPS	
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 Ratherford Unit.

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

Sincerely,

ACTING Area Director

Enclosure

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF INDIAN AFFAIRS

RECEIVED  
BLM

DESIGNATION OF OPERATOR

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

JUN 27 11:44

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

070 FARMINGTON, NM

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

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

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

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

Attached hereto as Exhibit "A"

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

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

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

Attached is the appropriate documentation relevant to this document.

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

Phillips Petroleum Company

June 17, 1993

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

Mobil Exploration and Producing  
North America Inc.

June 11, 1993

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

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

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

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

EXHIBIT "A"

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

EXHIBIT "C"

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

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

# Mobil Oil Corporation

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

May 14, 1986

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

RECEIVED  
MAY 16 1986

Attn: R. J. Firth  
Associate Director

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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

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

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

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

Very truly yours,



R. D. Baker  
Environmental Regulatory Manager

CNE/rd  
CNE8661

OCT 25 1993

TRANSFER OF AUTHORITY TO INJECT - VIC FORM 5

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

Lisha Cordova (801) 538-5340

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

APPLICATION OF PHILLIPS PETROLEUM )  
 COMPANY FOR THE APPROVAL OF THE )  
 UNIT OPERATIONS AND PRESSURE MAIN- ) CAUSE NO. 53  
 TENANCE PROGRAM FOR THE RATHERFORD )  
 UNIT IN THE GREATER ANETH AREA, )  
 SAN JUAN COUNTY, UTAH )

ORDER

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

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

TOWNSHIP 41 SOUTH, RANGE 24 EAST, SLBM

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

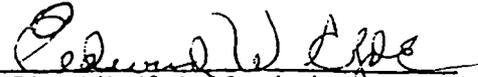
2. The plan and program of water injection pressure maintenance operations proposed by applicant in its application filed herein should be and the same is hereby approved and the unit operator is authorized to proceed with and under such plan and program as soon as the Ratherford Unit Agreement becomes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

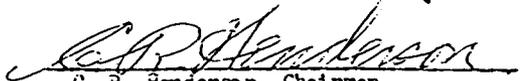
3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

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

  
H. V. Hatch, Commissioner

  
C. S. Thomson, Commissioner

\_\_\_\_\_  
Walter G. Mann, Commissioner

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

Routing:	
1-DEC/87-93	<input checked="" type="checkbox"/>
2-DEPT 58-RPL	<input checked="" type="checkbox"/>
3-VLC	<input checked="" type="checkbox"/>
4-RJF	<input checked="" type="checkbox"/>
5-DEPT	<input checked="" type="checkbox"/>
6-PL	<input checked="" type="checkbox"/>

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

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

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

TO (new operator) <u>M E P N A</u>	FROM (former operator) <u>PHILLIPS PETROLEUM COMPANY</u>
(address) <u>PO DRAWER G</u>	(address) <u>5525 HWY 64 NBU 3004</u>
<u>CORTEZ, CO 81321</u>	<u>FARMINGTON, NM 87401</u>
<u>GLEN COX (915)688-2114</u>	<u>PAT KONKEL</u>
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: <u>**SEE ATTACHED**</u>	API: <u>43037-15721</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). *(Ref. 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). *(Ref. 8-31-93) (Rec'd 9-14-93)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(O&G wells 10-6-93) (Wiw's 10-26-93)*
- Sec 6. Cardex file has been updated for each well listed above. *(O&G wells 10-6-93) (Wiw's 10-26-93)*
- Sec 7. Well file labels have been updated for each well listed above. *(O&G wells 10-6-93) (Wiw's 10-26-93)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(10-6-93)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

FILMING

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

FILING

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

COMMENTS

931006 BIA/Btm Approved 7-9-93.

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).

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

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

Routing	
1-LEC	7-PL ✓
2-LWP	8-SJ ✓
3-DB	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 &amp; 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: <b>** SEE ATTACHED **</b>	API: <u>037-15721</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- N/A 4. (For **Indian and Federal Wells ONLY**) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- Yes 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)
- Yes 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

- Lee* 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) *\* No Fee Lease Wells at this time!*

- N/A/ Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date                      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. *UTS 8/5/95*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- 1. All attachments to this form have been microfilmed. Date: October 9 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!*

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an Abandoned well. Use Form 3160-3 (APD) for such proposals.*

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

6. If Indian, Allottee or Tribe Name  
NAVAJO TRIBAL

7. If Unit or CA/Agreement, Name and/or No.  
RATHERFORD UNIT

8. Well Name and No.  
RATHERFORD UNIT #16W14

9. API Well No.  
43-037-15721

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 **INJECTION WELL**

2. Name of Operator  
Mobil Producing TX & NM Inc. \*

3a. Address  
P.O. Box 4358 Houston, TX 77210-4358

3b. Phone No. (include area code)  
713-431-1197

4. Location of Well (Footage, Sec., T.R.,M., or Survey Description)  
Sec. 16, T41S, R24E (SW/SW) 660' FSL & 660' FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>MIT RESULTS</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection)

MIT results and chart are attached.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)  
Ellen M. Carroll

Title Senior Staff Office Assistant

Signature *Ellen M. Carroll*

Date 5/12/2000

\* ExxonMobil Production Company, A division of Exxon Mobil Corporation, acting for Mobil Producing Texas & New Mexico, Inc.

Approved By

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Date

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

# ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator EXXON-MOBILE, P., INC. Date of Test 1-19-2000  
 Well Name RATHERFORD UNIT WELL #162-14 EPA Permit No. \_\_\_\_\_  
 Location SWSW SEC 16, T41S, R24E Tribal Lease No. 1420603355  
 State and County SAN JUAN COUNTY, UTAH

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

TIME	ANNULUS PRESSURE, psi <small>0-2000 psi gauge</small>	ANNULUS PRESSURE, psi <small>0-1500 psi recorder</small>	TUBING PRESSURE, psi <small>0-5000 psi gauge</small>
10:48 Am	1110	1100	3000
10:53 Am	1110	1100	3000
10:58 Am	1110	1100	3000
11:03 Am	1110	1100	3000
11:08 Am	1110	1100	3000
11:13 Am	1110	1100	3000
11:18 Am	1110	1100	3000

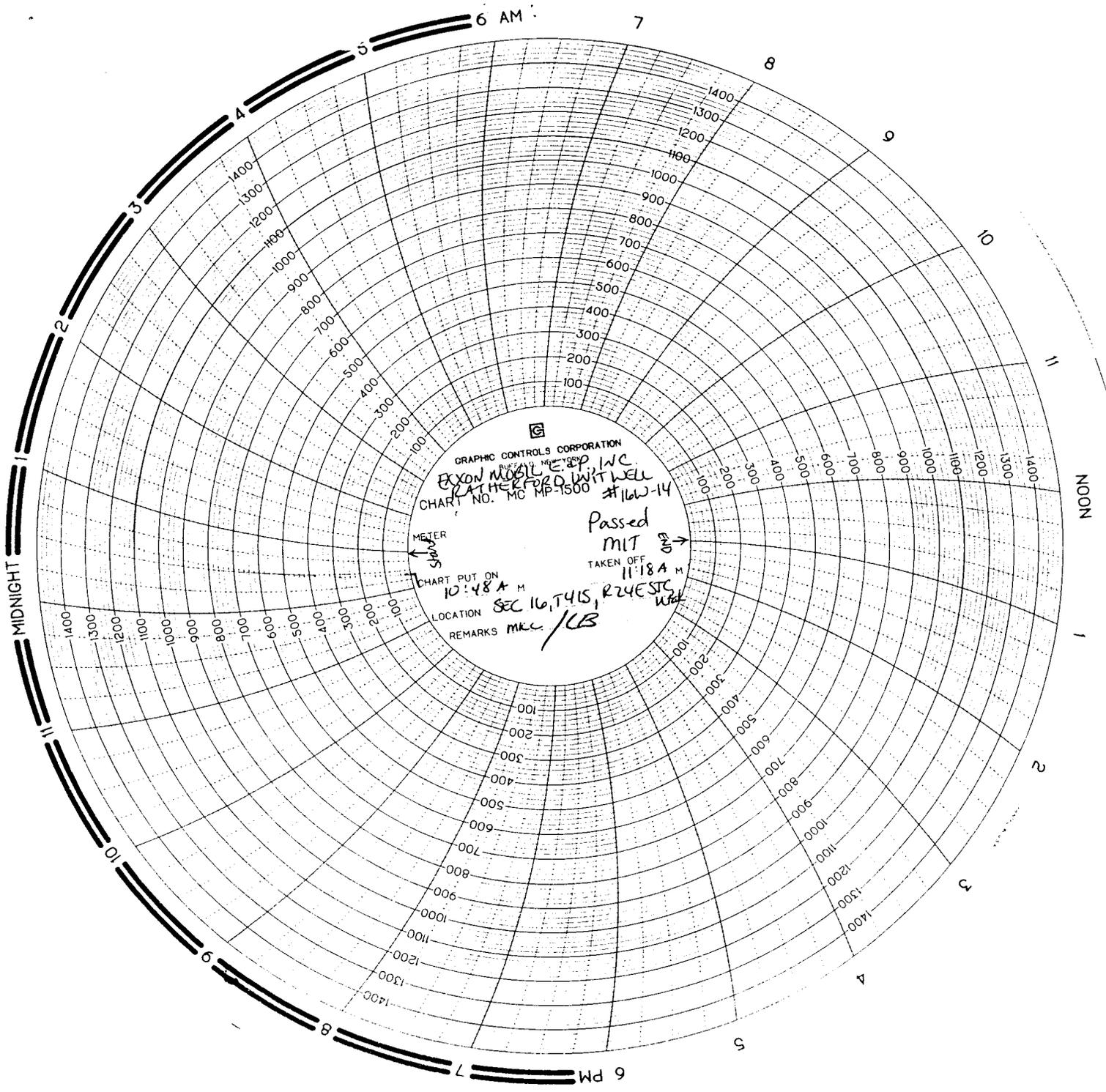
MAX. INJECTION PRESSURE: 3000 PSI  
 MAX. ALLOWABLE PRESSURE CHANGE: 55.50 PSI (TEST PRESSURE X 0.05)  
 REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

Active, Injecting  
 Exxon-Mobil was going to change the bradenhead valve out.  
 Passed MIT

OIL FIELD TESTING

LARSON BLACKGOAT  
 COMPANY REPRESENTATIVE: (Print and Sign)  
MELWINA K. CLAH  
 INSPECTOR: (Print and Sign)

1/19/00  
 DATE  
1-19-2000  
 DATE



GRAPHIC CONTROLS CORPORATION

EXXON MOBIL EIP, INC.  
LEATHERFORD WITWELL #16W-14  
CHART NO. MC MP-1500

Passed  
MIT  $\frac{3}{2}$   
TAKEN OFF  
11:18 A M

METER  
SHOW  
CHART PUT ON  
10:48 A M

LOCATION SEC 16, T41S, R24E5C  
REMARKS MKC JCB

**ExxonMobil Production Comp**

U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

June 27, 2001

**ExxonMobil**  
*Production*

Mr. Jim Thompson  
State of Utah, Division of Oil, Gas and Mining  
1549 West North Temple  
Suite 1210  
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

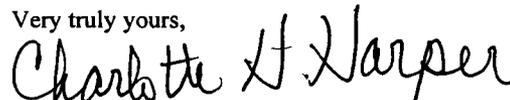
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 27 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS  
XXXXXXXXXXXXXXXXXXXX  
Navajo Area Office  
NAVAJO REGION

P.O. Box 1060  
Gallup, New Mexico 87305-1060

**AUG 30 2001**

IN REPLY REFER TO:

RRES/543

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

Charlotte H. Harper, Permitting Supervisor  
Exxon Mobil Production Company  
U. S. West  
P. O. Box 4358  
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

**DEMMI DENETSONE**

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓  
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM	<i>DM</i>
NATV AM MIN COORD	
SOLID MIN TEAM	
PETRO MINT TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

**ExxonMobil Production Company**  
U.S. West  
P.O. Box 4358  
Houston, Texas 77210-4358

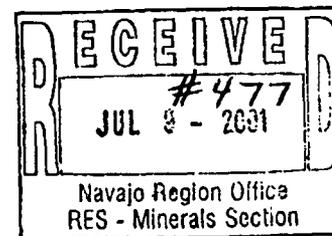
*AB 7/12/2001*  
*SN*  
*593*  
*File*

June 27, 2001

**ExxonMobil**  
*Production*

Certified Mail  
Return Receipt Requested

Ms. Genni Denetsone  
United States Department of the Interior  
Bureau of Indian Affairs, Navajo Region  
Real Estate Services  
P. O. Box 1060  
Gallup, New Mexico 87305-1060  
Mail Code 543



Change of Name –  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

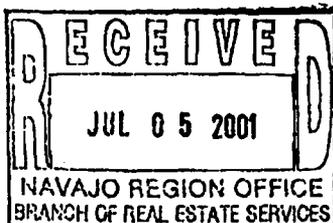
If you have any questions , please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



ExxonMobil Production Company  
a division of Exxon Mobil Corporation,  
acting for ExxonMobil Oil Corporation

*NOTE: Check forwarded to Ella Issac.*

Bureau of Indian Affairs  
Navajo Region Office  
Attn: RRES - Mineral and Mining Section  
P.O. Box 1060  
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

**OFFICERS**

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

**DIRECTORS**

Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800 whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



Signature

AGENT AND ATTORNEY IN FACT

Title

**CERTIFICATION**

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

**CHANGE OF COMPANY NAME**

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,  
ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

*S. A. Sullivan*  
Assistant Secretary

COUNTY OF DALLAS )  
STATE OF TEXAS )  
UNITED STATES OF AMERICA )

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

*Janice M. Phillips*  
Notary Public



**LISTING OF LEASES OF MOBIL OIL CORPORATION****Lease Number**

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

# CHUBB GROUP OF INSURANCE COMPANIES

One Chubb Place, Suite 1400, Houston, Texas 77027-3307  
Telephone: (713) 297-4600 • Facsimile: (713) 297-4750

*NW Bond*

**FEDERAL INSURANCE COMPANY RIDER**  
to be attached to and form a part of

**BOND NO 8027 31 97**

wherein

**Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is**  
named as Principal and

**FEDERAL INSURANCE COMPANY AS SURETY,**

in favor of **United States of America, Department of the Interior**  
**Bureau of Indian Affairs**

in the amount of **\$150,000.00**

bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001  
the name of the Principal is changed

**FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.**

**TO : ExxonMobil Oil Corporation**

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12<sup>th</sup> of June, 2001.

ExxonMobil Oil Corporation

By: 

FEDERAL INSURANCE COMPANY

By:   
Mary Pierson, Attorney-in-fact



**Chubb  
Surety**

**POWER  
OF  
ATTORNEY**

**Federal Insurance Company  
Vigilant Insurance Company  
Pacific Indemnity Company**

**Attn.: Surety Department  
15 Mountain View Road  
Warren, NJ 07059**

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **R. F. Bobo, Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas**-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.  
County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY**, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in the presence of me.



Notary Public State of New Jersey  
No. 2231647

Notary Public

Commission Expires Oct 28, 2004

Extract from the By-Laws of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY**:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of **FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY** (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wendel, Assistant Secretary

**IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com**

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be, ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

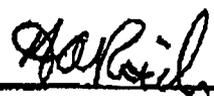
CSC  
CSC

5184334741

06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.

  
\_\_\_\_\_  
F. A. Ritch, President 

STATE OF TEXAS        )  
COUNTY OF DALLAS    )

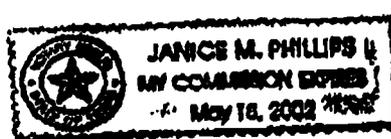
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
\_\_\_\_\_  
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]

  
\_\_\_\_\_  
NOTARY PUBLIC, STATE OF TEXAS



CSC  
CSC

5184334741

06/01 '01 09:01 NO. 411 02/02  
06/01 '01 09:06 NO. 132 04/04  
**F010601000187**

**CSC 45**

**CERTIFICATE OF AMENDMENT**

**OF**

**MOBIL OIL CORPORATION**

Under Section 805 of the Business Corporation Law

*SAC*

**STATE OF NEW YORK  
DEPARTMENT OF STATE**

*100 cc*

Filed by: EXXONMOBIL CORPORATION  
(Name)

FILED JUN 01 2001

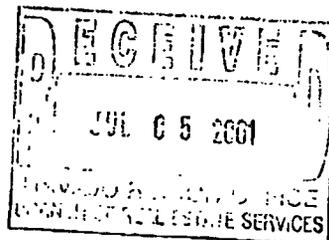
5959 Las Colinas Blvd.  
(Mailing address)

TAX \$ \_\_\_\_\_  
BY: *SAC*

Irving, TX 75039-2298  
(City, State and Zip code)

*ny Albany*

*Customer # 1655781MPJ*



**010601000195**

State of New York }  
Department of State } ss:

*I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.*

Witness my hand and seal of the Department of State on **JUN 01 2001**



A handwritten signature in black ink, appearing to read "J. Leub", with a long horizontal line extending to the right.

*Special Deputy Secretary of State*

**OPERATOR CHANGE WORKSHEET**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

**X** Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:		<b>06-01-2001</b>
<b>FROM: (Old Operator):</b>		<b>TO: ( New Operator):</b>
MOBIL EXPLORATION & PRODUCTION		EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"		Address: U S WEST P O BOX 4358
CORTEZ, CO 81321		HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212		Phone: 1-(713)-431-1010
Account No. N7370		Account No. N1855

CA No. Unit: **RATHERFORD**

WELL(S)						
NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
RATHERFORD 14-W-42	14-41S-23E	43-037-15860	6280	INDIAN	WI	A
RATHERFORD UNIT 14-31	14-41S-23E	43-037-31717	6280	INDIAN	WI	A
24-31	24-41S-23E	43-037-15862	6280	INDIAN	WI	A
24-42	24-41S-23E	43-037-15863	6280	INDIAN	WI	A
6-14	06-41S-24E	43-037-15984	6280	INDIAN	WI	A
7-12	07-41S-24E	43-037-15985	6280	INDIAN	WI	A
7-14	07-41S-24E	43-037-15986	6280	INDIAN	WI	A
7-34	07-41S-24E	43-037-15989	6280	INDIAN	WI	A
NAVAJO B41-7 (RATHERFORD 7-41)	07-41S-24E	43-037-15990	99990	INDIAN	WI	A
8-14	08-41S-24E	43-037-15992	6280	INDIAN	WI	A
RATHERFORD 8W43	08-41S-24E	43-037-16396	99996	INDIAN	WI	A
NAVAJO B-5 (RATHERFORD 9-43)	09-41S-24E	43-037-16400	99990	INDIAN	WI	I
NAVAJO B-6 (RATHERFORD 10W21)	10-41S-24E	43-037-16401	99990	INDIAN	WI	I
NAVAJO B-2 (RATHERFORD 10W23)	10-41S-24E	43-037-16402	99990	INDIAN	WI	I
NAVAJO W-2 (RATHERFORD 10W43)	10-41S-24E	43-037-16403	99990	INDIAN	WI	I
NAVAJO A-11 (RATHERFORD 15W21)	15-41S-24E	43-037-16411	99990	INDIAN	WI	I
NAVAJO A-19 (RATHERFORD 15W23)	15-41S-24E	43-037-16412	99990	INDIAN	WI	I
NAVAJO A-24 (RATHERFORD 15W43)	15-41S-24E	43-037-16413	99990	INDIAN	WI	I
16-12	16-41S-24E	43-037-15720	6280	INDIAN	WI	A
<b>16-14</b>	16-41S-24E	43-037-15721	6280	INDIAN	WI	A

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
- Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
- If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**NOTE: EPA ISSUES UIC PERMIT**

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/10/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/10/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: N/A

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: N/A

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 80273197

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

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

<b>ROUTING</b>
1. DJJ
2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		<b>6/1/2006</b>
<b>FROM:</b> (Old Operator): N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936	<b>TO:</b> ( New Operator): N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600	
<b>CA No.</b>	<b>Unit:</b>	<b>RATHERFORD (UIC)</b>

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2)Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See attached list	API Number Attached
Location of Well Footage: See attached list County: San Juan	Field or Unit Name Rutherford Unit
QQ, Section, Township, Range: State: UTAH	Lease Designation and Number See attached list

EFFECTIVE DATE OF TRANSFER: 6/1/2006

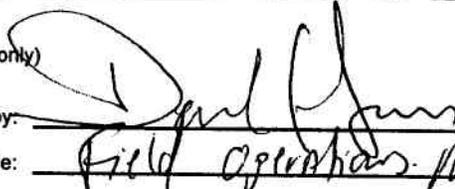
CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation Name: \_\_\_\_\_  
Address: PO Box 4358 Signature: \_\_\_\_\_  
city Houston state TX zip 77210-4358 Title: \_\_\_\_\_  
Phone: (281) 654-1936 Date: \_\_\_\_\_  
Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company Name: Dwight E Mallory  
Address: 1675 Broadway, Suite 1950 Signature:   
city Denver state CO zip 80202 Title: Regulatory Coordinator  
Phone: (303) 534-4600 Date: 4/20/2006  
Comments: A list of affected UIC wells is attached.  
New bond numbers for these wells are:  
BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by:   
Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

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DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See attached list</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Navajo Tribe</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		7. UNIT or CA AGREEMENT NAME: <b>Ratherford Unit</b>
2. NAME OF OPERATOR: <b>Resolute Natural Resources Company</b> <i>N2700</i>		8. WELL NAME and NUMBER: <b>See attached list</b>
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>	PHONE NUMBER: <b>(303) 534-4600</b>	9. API NUMBER: <b>Attached</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See attached list</b> COUNTY: <b>San Juan</b>		10. FIELD AND POOL, OR WILDCAT: <b>Greater Aneth</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: <b>UTAH</b>		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the Ratherford Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the Ratherford Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) <u>Dwight E Malloy</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE	DATE <u>4/20/2006</u>

(This space for State use only)

**APPROVED** 6127106  
*Earlene Russell*  
Division of Oil, Gas and Mining (See Instructions on Reverse Side)  
Earlene Russell, Engineering Technician

**RECEIVED**  
**APR 24 2006**  
DIV. OF OIL, GAS & MINING

(5/2000)

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Ship Rock</b>
		7. UNIT or CA AGREEMENT NAME: <b>UTU68931A</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>	8. WELL NAME and NUMBER: <b>Ratherford</b>	
2. NAME OF OPERATOR: <b>ExxonMobil Oil Corporation</b> <i>N1855</i>		9. API NUMBER: <b>attached</b>
3. ADDRESS OF OPERATOR: <b>P.O. Box 4358</b> CITY <b>Houston</b> STATE <b>TX</b> ZIP <b>77210-4358</b>	PHONE NUMBER: <b>(281) 654-1936</b>	10. FIELD AND POOL, OR WILDCAT: <b>Aneth</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE:		COUNTY: <b>San Juan</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, Ratherford lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

NAME (PLEASE PRINT) Laurie Kilbride TITLE Permitting Supervisor

SIGNATURE *Laurie S. Kilbride* DATE 4/19/2006

(This space for State use only) **APPROVED** 6/27/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician  
(See Instructions on Reverse Side)

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**GREATER ANETH FIELD UIC WELL LIST**  
**Ratherford lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	1W24	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	41S	23E	0651FSL	3300FEL
RATHERFORD UNIT	2W44	430371638600S1	Active	14-20-603-246A	SE	SE	2	41S	23E	0810FSL	0510FEL
RATHERFORD UNIT	11W42	430371584100S1	Active	14-20-603-246A	SE	NE	11	41S	23E	3290FSL	4617FWL
RATHERFORD UNIT	11W44	430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	41S	23E	0660FSL	0558FEL
RATHERFORD UNIT	12W11	430371584300S1	Active	14-20-603-246A	NW	NW	12	41S	23E	0678FNL	4620FEL
RATHERFORD UNIT	12W13	430371640400S1	Active	14-20-603-246A	NW	SW	12	41S	23E	1980FSL	4620FEL
RATHERFORD UNIT	12W22	430371584501S1	Active	14-20-603-246A	SE	NW	12	41S	23E	1920FNL	2080FWL
RATHERFORD UNIT	12W24	430373115101S1	Active	14-20-603-246A	SE	SW	12	41S	23E	0775FSL	1980FWL
RATHERFORD UNIT	12W31	430371584700S1	Active	14-20-603-246A	NW	NE	12	41S	23E	0661FNL	1981FEL
RATHERFORD UNIT	12W33	430371584800S1	Active	14-20-603-246A	NW	SE	12	41S	23E	1958FSL	3300FEL
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A	SE	NE	12	41S	23E	3275FSL	0662FEL
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-603-246A	SE	SE	12	41S	23E	0772FSL	0807FEL
RATHERFORD UNIT	13W11	430373115201S1	Active	14-20-603-247A	NW	NW	13	41S	23E	0500FNL	0660FWL
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	41S	23E	1980FSL	4620FEL
RATHERFORD UNIT	13W22	430371585200S1	Active	14-20-603-247A	SE	NW	13	41S	23E	1988FNL	3300FEL
RATHERFORD UNIT	13W24	430371585300S1	Active	14-20-603-247A	SE	SW	13	41S	23E	0660FSL	3300FEL
RATHERFORD UNIT	13W33	430371585501S1	Active	14-20-603-247A	NW	SE	13	41S	23E	1970FSL	1979FEL
RATHERFORD UNIT	13W42	430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	41S	23E	2139FNL	0585FEL
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	41S	23E	0653FSL	0659FEL
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14	41S	23E	0754FNL	1604FEL
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S	23E	1976FNL	653FEL
RATHERFORD UNIT	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24	41S	24E	0560FNL	1830FEL
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL
RATHERFORD UNIT	17W12	430371572601S1	Active	14-20-603-353	SW	NW	17	41S	24E	1980FNL	510FWL
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	SW	SW	17	41S	24E	0610FSL	0510FWL
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	41S	24E	0510FNL	1830FWL
RATHERFORD UNIT	17W23	430371572801S1	Active	14-20-603-353	NE	SW	17	41S	24E	1880FSL	1980FWL
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17	41S	24E	0560FSL	1880FEL
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	SW	NW	18	41S	24E	1980FNL	560FWL
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	41S	24E	2385FSL	2040FWL
RATHERFORD UNIT	18W32	430371573601S1	Active	14-20-603-353	SW	NE	18	41S	24E	2140FNL	1830FEL
RATHERFORD UNIT	18W34	430371573701S1	Active	14-20-603-353	SW	SE	18	41S	24E	780FSL	1860FEL
RATHERFORD UNIT	18W41	430371573800S1	TA'd	14-20-603-353	NE	NE	18	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	19-12	430371573901S1	Active	14-20-603-353	SW	NW	19	41S	24E	1980FNL	0600FWL
RATHERFORD UNIT	19-32	430371574301S1	Active	14-20-603-353	SW	NE	19	41S	24E	2717FNL	2802FEL
RATHERFORD UNIT	19-34	430371574401S1	Active	14-20-603-353	SW	SE	19	41S	24E	0660FSL	1980FEL
RATHERFORD UNIT	19W21	430371574100S1	Shut-in	14-20-603-353	NE	NW	19	41S	24E	0660FNL	1860FWL
RATHERFORD UNIT	19W23	430371574200S1	Shut-in	14-20-603-353	NE	SW	19	41S	24E	2080FSL	1860FWL
RATHERFORD UNIT	19W43	430371642000S1	Shut-in	14-20-603-353	NE	SE	19	41S	24E	1980FSL	0760FEL
RATHERFORD UNIT	20-12	430371574601S1	Active	14-20-603-353	SW	NW	20	41S	24E	0709FNL	0748FEL
RATHERFORD UNIT	20-14	430371574701S1	Active	14-20-603-353	SW	SW	20	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	20-32	430371574901S1	Active	14-20-603-353	SW	NE	20	41S	24E	0037FNL	0035FWL
RATHERFORD UNIT	20-34	430371575001S1	Active	14-20-603-353	SW	SE	20	41S	24E	0774FNL	0617FWL
RATHERFORD UNIT	20-67	430373159000S1	Active	14-20-603-353	NE	SW	20	41S	24E	2629FSL	1412FWL
RATHERFORD UNIT	20W21	430371642300S1	Active	14-20-603-353	NE	NW	20	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	20W23	430371574800S1	Active	14-20-603-353	NW	SW	20	41S	24E	2080FSL	2120FWL
RATHERFORD UNIT	20W41	430371575100S1	Active	14-20-603-353	NE	NE	20	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	41S	24E	2070FSL	0810FEL
RATHERFORD UNIT	16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	41S	24E	1880FNL	0660FWL

**GREATER ANETH FIELD UIC WELL LIST**  
**Ratherford lease, San Juan County, Utah**

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	SW	SW	16	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S	24E	0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	SW	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	SW	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT	21W21	430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6	41S	24E	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	41S	24E	0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7	41S	24E	0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7	41S	24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	41S	24E	0745FSL	0575FWL
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	41S	24E	1980FSL	0550FEL
RATHERFORD UNIT	29-12	430371533701S1	Active	14-20-603-407	SW	NW	29	41S	24E	2870FNL	1422FWL
RATHERFORD UNIT	29-32	430371533901S1	Active	14-20-603-407	SW	NE	29	41S	24E	0694FNL	0685FWL
RATHERFORD UNIT	29W21	430371643200S1	Active	14-20-603-407	NE	NW	29	41S	24E	0667FNL	2122FWL
RATHERFORD UNIT	29W41	430371643300S1	Active	14-20-603-407	NE	NE	29	41S	24E	0557FNL	0591FEL
RATHERFORD UNIT	29W43	430371643400S1	Shut-in	14-20-603-407	NE	SE	29	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Shut-in	14-20-603-407	NE	NE	30	41S	24E	0660FNL	0660FEL
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	SW	SE	28	41S	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-355
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO  <b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
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<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> 16-14
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<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES	<b>9. API NUMBER:</b> 43037157210000
---	---

<b>3. ADDRESS OF OPERATOR:</b> 1675 Boradway Ste 1950 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 534-4600 Ext	<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 16 Township: 41.0S Range: 24.0E Meridian: S	<b>COUNTY:</b> SAN JUAN  <b>STATE:</b> UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>4/20/2014</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources respectfully submits this sundry as notice of Coil Tubing Clean-out and Acidize of the above well. Attached are the procedures and wellbore schematic

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

**Date:** April 14, 2014  
**By:** David K. Quist

<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/11/2014	

# RESOLUTE

## NATURAL RESOURCES

**Ratherford Unit #16W-14**

**660 FSL & 660 FWL**

**Sec 16- T41S-R24E**

**San Juan County, UT**

**API 43-037-15721**

**RU 16W-14 LOE Injector - Coil Tubing Clean Out & Acidize**

<b>Recommendation</b>
The production engineer and operations staff at Ratherford Unit recommend moving a Coil Tubing Unit onto RU 16W-14 vertical injector to clean out fill and acidize to remove plugging solids. The workover is expected to restore injection from zero to 250 BWPD, and result in incremental production of 15 BOPD, 135 BWPD, 7 MCFD. Total estimated cost to perform the workover is \$80,000.
<b>Job Scope</b>
Job Scope includes: Cleanout of wellbore to PBD, Acidize, POOH & RDMO. Acid planned? Y; Change of tubing size? N; Paraffin expected? N
<b>Economic Indicators</b>
Workover Investment: \$80,000
Payout: 5 Months
Project economics: $NPV_{10} = 497\$M$ , $IRR = 387\%$
<b>Work History</b>
2/2-25/1987 Conversion from Ismay & DC-I producer to Injection: Pulled rods & tubing; cleaned out to 5587' below perms; Ran pkr & set at 5541'; pumped into Ismay perms 5493-5530' down backside w/communication back up tbg; pumped down tbg into DC-I perms w/communication back up csg; cement sqz'd Ismay, reperf'd DC-I, Acidized DC-I w/1500 gal 28% HCl, had to re-sqz Ismay three times to stop comm. w/DC-I; Ran 2-7/8 Duoline tubing & Otis interlock injection packer, RDMO.
9/14/1988 Workover: Pulled 2-7/8 tbg & Otis interlock pkr, found tailpipe packed with hard iron sulfide; made bit & scraper cleanout to 5573'; Ran Schlumberger csg inspection log, Ran pkr to 5545' & PT annulus to 1000/15 min - good test; Acidized DC-I w/2100 gal 28% HCl, flushed 2 bpm @ 2800 psi; Tested for comm w/pkr at 5545' & communicated up to sqz'd Ismay; tested OK w/pkr at 5513'; Ran back Baker loc-set pkr & Rice Duoline 2-7/8 tubing.
9/25/1989 Workover: Pulled & LD injection tbg due to fiberglass lining sloughing, cleaned out to PBD; Replaced packer, Ran 2-7/8 CLS tubing, Circ pkr fluid, jayed on AS-1X packer at 5445' KB, Landed tbg, ND BOP, NU WH.

7/17/2006 Workover: Pulled 2-7/8 tubing & 5-1/2" packer; made bit & scraper trip, tag 5480' in csg, 69' above top perforation (5549'); Circulated clean, depth not recorded; PT'd casing to 1000 psi w/pkr at 5380' - tested good. Ran & set injection pkr; Set shallow RBP for wellhead upgrade: Speared 5-1/2 csg, PU & pulled slips, Replaced 2K 11" x 8-3/4" starter head with new 3K 11" A section on existing 8-3/4 csg, Set 11" x 5-1/2" IC-2 slips w/H packoff; NU 11" 3K x 7" 5K IC-2 tbg spool w/5-1/2" NX bushing; PT'd to 3000 psi for 10 min - OK; NU BOP, retrieve shallow RBP, RIH 2-3/8 Duoline injection tubing, jay onto packer, PT - good; Land tubing, RDMO.

Recent Injectivity: Zero to 10 bwipd over the past three months; Backflowed the week of Dec 17, 2013 with little or no improvement seen.

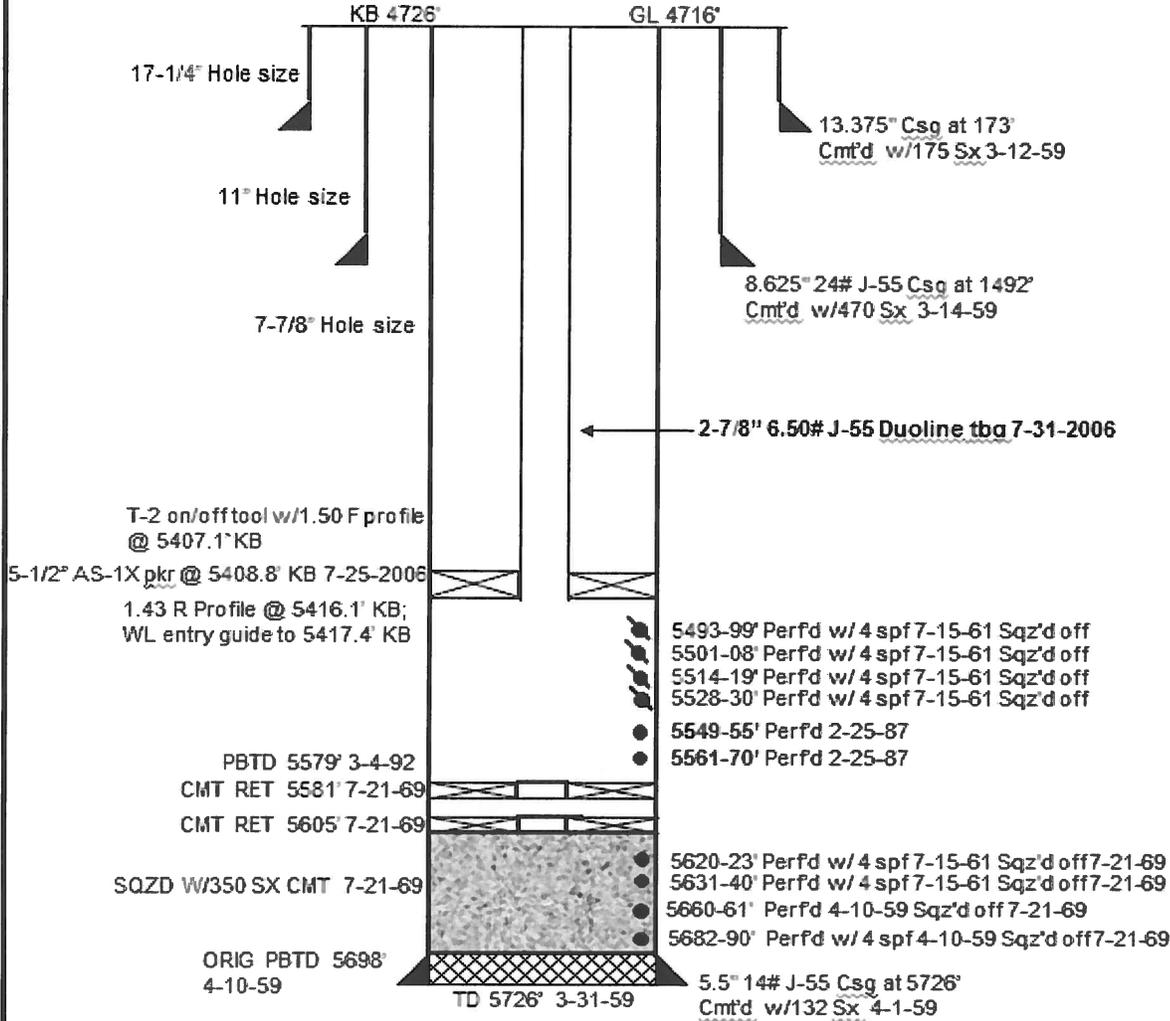
**Horsley Witten: NO**

### Procedure

1. LOTO Injection Lines at wellhead on main isolation valves and CP Panel.
2. MI spot CTU, pump unit, rig pit, install hard line and choke manifold.
3. RU CTU with 1.25 inch coil, Vortec wash tool.  
**Minimum ID = 1.43 'R' nipple (1.39 no-go) @ 5416.1' KB.**
4. Test lubricator, CT, and BOP's to 4500 psig.
5. RIH with CTU, establish circulation; clean out to PBTD at 5579' in 5-1/2" csg.  
Take solids sample for analysis. Once at PBTD, circ well bore clean.
6. Prepare to acidize perms 5549-5570' with 2000 gallons of 20% Inhibited HCl.
7. Spot coil at 5570' & start acid, move CT up to 5549' & back to 5570' while pumping acid.
8. PU above perms to ~5535' & overdisplace bottom perf (5570') by 25 bbls fresh water.
9. POOH with coil tubing.
10. RD CTU and stimulation equipment. Release equipment.
11. Backflow lateral line for cleanup.
12. Advise Pierce Benally (435) 619-7234 the well is ready to return to injection.

**RATHERFORD UNIT #16W-14**  
 GREATER ANETH FIELD UTAH  
 660' FSL & 660' FWL  
 SEC 16-T41S-R24E  
 SAN JUAN COUNTY, UTAH  
 API 43-037-15721  
 PRISM 0043039

INJECTOR



K.B. Dutton 11-18-02 RU#16W-14

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-355
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO
		<b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> 16-14
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES		<b>9. API NUMBER:</b> 43037157210000
<b>3. ADDRESS OF OPERATOR:</b> 1675 Boradway Ste 1950 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 534-4600 Ext	<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 16 Township: 41.0S Range: 24.0E Meridian: S		<b>COUNTY:</b> SAN JUAN
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>5/10/2014</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:		<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text" value="UIC Repair"/>
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:		
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Resolute Natural Resources respectfully submits this sundry as notice of UIC repair. The procedure and schematic are attached.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> May 12, 2014
<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/7/2014

# RESOLUTE

## NATURAL RESOURCES

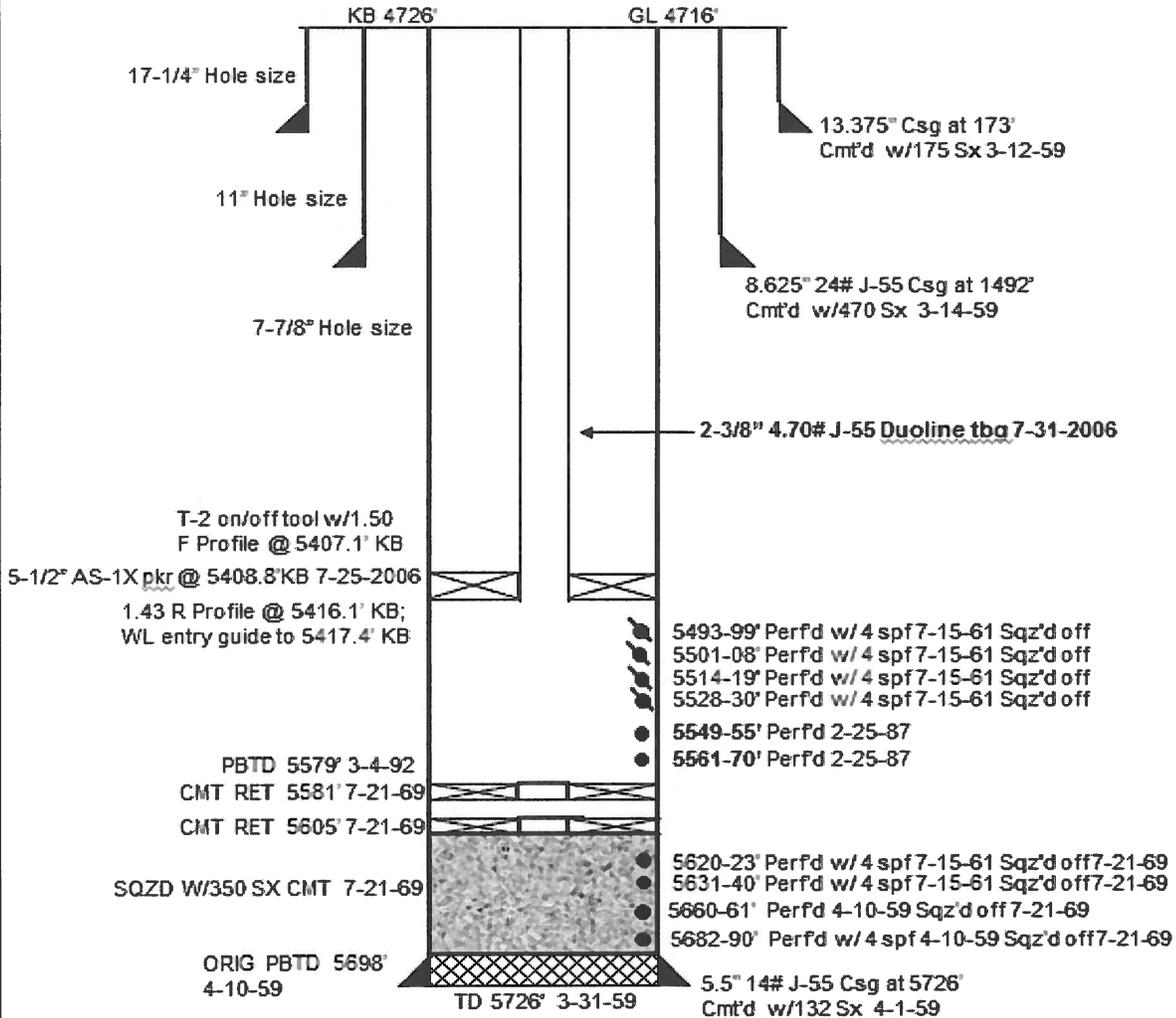
### RU 16W-14 Injector - UIC Repair

#### Procedure

1. MIRU WSU, LOTO.
2. Establish KWF & kill well as necessary.
3. ND WH, NU BOPE. PT BOP against landing donut.
4. J-off packer & on/off tool, circulate KWF.
5. POOH, standing back & inspecting 2-3/8" Duoline tbg; tubing was run 7-31-2006. Call Bill Albert or Virgil Holly for inspection.
6. PU workstring, TIH to recover the 5-1/2" AS-1X packer set at 5408.8' KB.
7. Unseat packer, rekill well as required, POOH & LD packer.
8. Make bit & scraper run & CO to PBD at 5579' KB. Space out scraper above bit to keep scraper above old sqz perfs, top at 5493'.
9. RU E-line & run CIL & CBL logs to surface.
10. RIH w/5-1/2" treating pkr w/bypass & 4 jts tailpipe, set pkr at ~ 5450' KB with TP to ~5570' KB for acid stimulation w/ 2000 gal inhibited 20% HCl. Final pkr depth per CIL.
11. PT casing & packer to 1000 psi/30 min. Bleed off pressure.
12. Open bypass & circ acid to EOT; close bypass & put 750 psi on backside. Soak 15 min.
13. Pump acid away at max rate possible, staying under 3500 psi TP. Monitor backside P.
14. Overdisplace EOT with 20 bbls fresh water. Record ISIP, 5 min, 10 min, & 15 min SIP's.
15. Re-kill the well with brine & POOH w/treating packer & TP.
16. Set new 5-1/2 AS-1X packer w/1.50 F plug in place at ~ 5200' KB (final depth per CIL).
17. Re-run tubing or run new 2-3/8" injection tubing pending inspection in step 5 (Consult Bill Albert for tubing type).
18. Circulate packer fluid, jay onto packer, space out & land tubing.
19. Perform mock MIT after landing tbg.
20. ND BOP, NU WH.
21. MIRU slickline unit. Test lubricator to 2500 psi.
22. RIH gauge ring, shear plug, and retrieve 1.50 plug. RDMO slickline unit.
23. RD WSU. Backflow tubing ~50 bbls minimum & backflow the lateral line ~200 bbls or until clean.
24. Schedule witnessed MIT w/NNEPA.
25. Notify Pierce Benally (435) 619-7234 that well is ready for lateral line re-connect & return to injection.

**RATHERFORD UNIT #16W-14**  
 GREATER ANETH FIELD UTAH  
 660' FSL & 660' FWL  
 SEC 16-T41S-R24E  
 SAN JUAN COUNTY, UTAH  
 API 43-037-15721  
 PRISM 0043039

INJECTOR



Sundry Number: 50858 API Well Number: 43037157210000



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-355
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES		<b>8. WELL NAME and NUMBER:</b> 16-14
<b>3. ADDRESS OF OPERATOR:</b> 1675 Boradway Ste 1950 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43037157210000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 16 Township: 41.0S Range: 24.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
		<b>COUNTY:</b> SAN JUAN
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/5/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources respectfully submits this sundry as notice that the Tubing Clean-out and Acidizing on the above well was completed 5/5/2014

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**  
May 29, 2014

<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/28/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-355
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO
		<b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> 16-14	
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES	<b>9. API NUMBER:</b> 43037157210000	
<b>3. ADDRESS OF OPERATOR:</b> 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535	<b>PHONE NUMBER:</b> 303 534-4600 Ext	<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 16 Township: 41.0S Range: 24.0E Meridian: S	<b>COUNTY:</b> SAN JUAN	
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/8/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute Natural Resources respectfully submits this sundry as notice that the UIC repair on the above well was completed on 8/8/14 according to the previously submitted procedures		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 19, 2014</b>		OTHER: <input type="text" value="UIC Repair"/>
<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/11/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-355
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO  <b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> 16-14
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES	<b>9. API NUMBER:</b> 43037157210000
<b>3. ADDRESS OF OPERATOR:</b> 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535	<b>PHONE NUMBER:</b> 303 534-4600 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 16 Township: 41.0S Range: 24.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH  <b>COUNTY:</b> SAN JUAN  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/19/2014</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input checked="" type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources respectfully submits this sundry as notice of a T&A on the above wellbore. Attached are the procedures and the schematic. Bill Freeman with NNEPA has given verbal and email approval for this procedure as outlined in the attached.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**  
 August 28, 2014  
**Date:** \_\_\_\_\_  
**By:** Dark Ount

<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/19/2014	

*Temporarily Abandon*  
**Ratherford Unit 16W-14**  
660' FSL & 660' FWL  
Sec 16, T41S, R24E  
San Juan County, Utah  
API 43-037-15721  
PRISM 0043039

*Job Scope – Temporarily abandon as an injection well; planning to sidetrack above ~1900' and recomplete in 2015 or 2016.*

Temporarily Abandon Procedure (Sundry – Notice of Intent)

1. This procedure begins from the point of recovering the 5-1/2" injection packer, previously set at 5400'.
2. Run & set cement retainer @ 5405'.
3. Cement squeeze perforations 5549-70' inclusive with 15.6 ppg Type III cement.
4. Spot 165' of cement on top of the retainer.
5. WOC and tag cement top. Adjust /add cement if required for 150' minimum cement above the retainer.
6. RIH open ended and spot corrosion inhibited brine (packer fluid) from cement top at 5235' up to ~4600'.
7. Place end of workstring at 4650' and lay in balanced cement plug from 4650' to 1950'. May be laid in in two or three steps if desired.
8. WOC and tag cement top. Adjust /add cement if required to bring the cement top to 1950'.
9. RIH open ended and spot corrosion inhibited brine (packer fluid) from 1950' cement top up to surface.
10. Pressure test casing 1950' to surface to 1000 psi/30 min & chart the result.

11. Install wellhead.

12. Clean up well location &RDMO.

Wellbore Diagrams –

- a. Existing Wellbore Diagram – Attachment No. 1
- b. Proposed Wellbore Diagram – Attachment No. 2

# RATHERFORD UNIT #16W-14

GREATER ANETH FIELD UTAH

660' FSL & 660' FWL

SEC 16-T41S-R24E

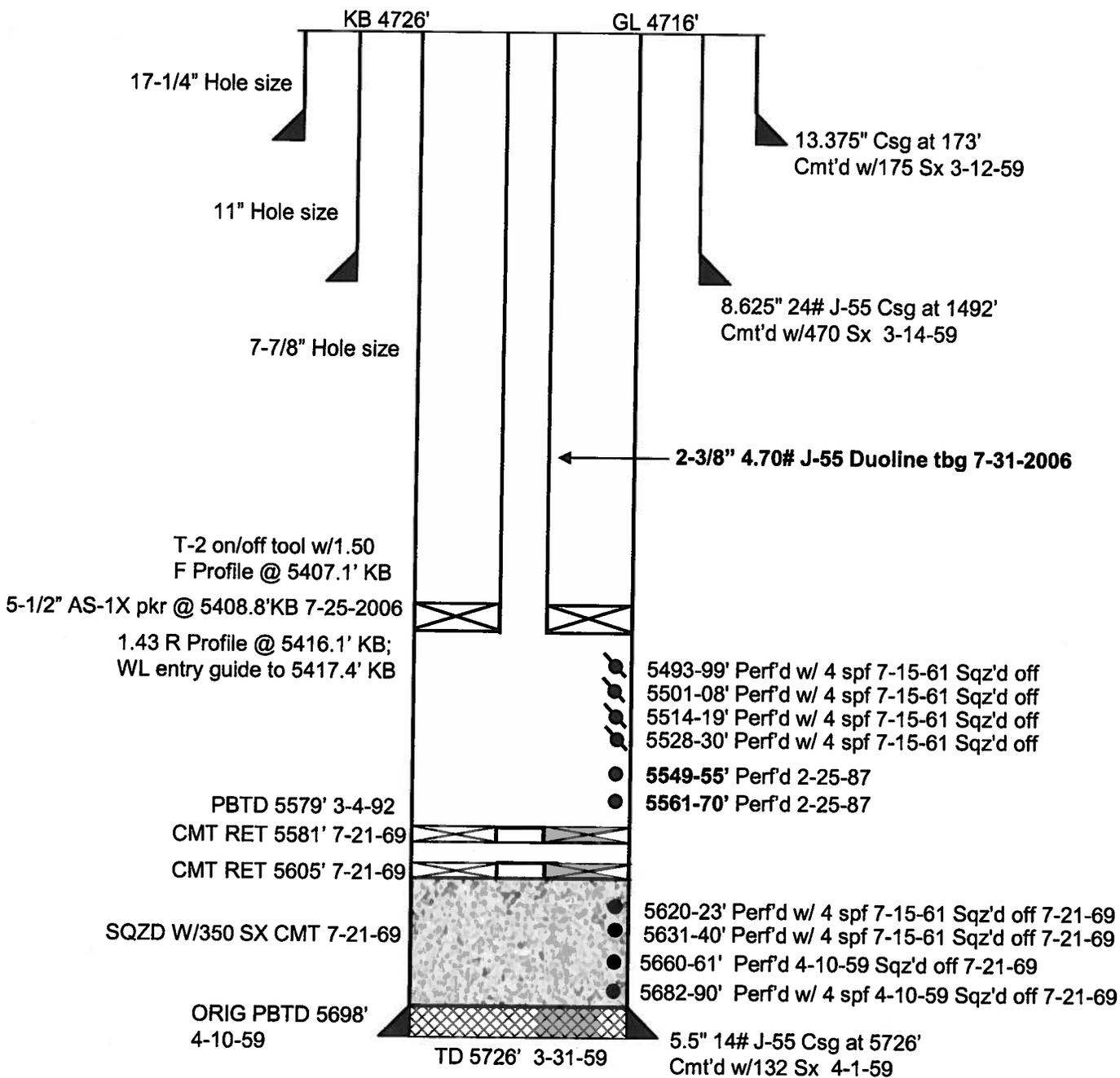
SAN JUAN COUNTY, UTAH

API 43-037-15721

PRISM 0043039

INJECTOR

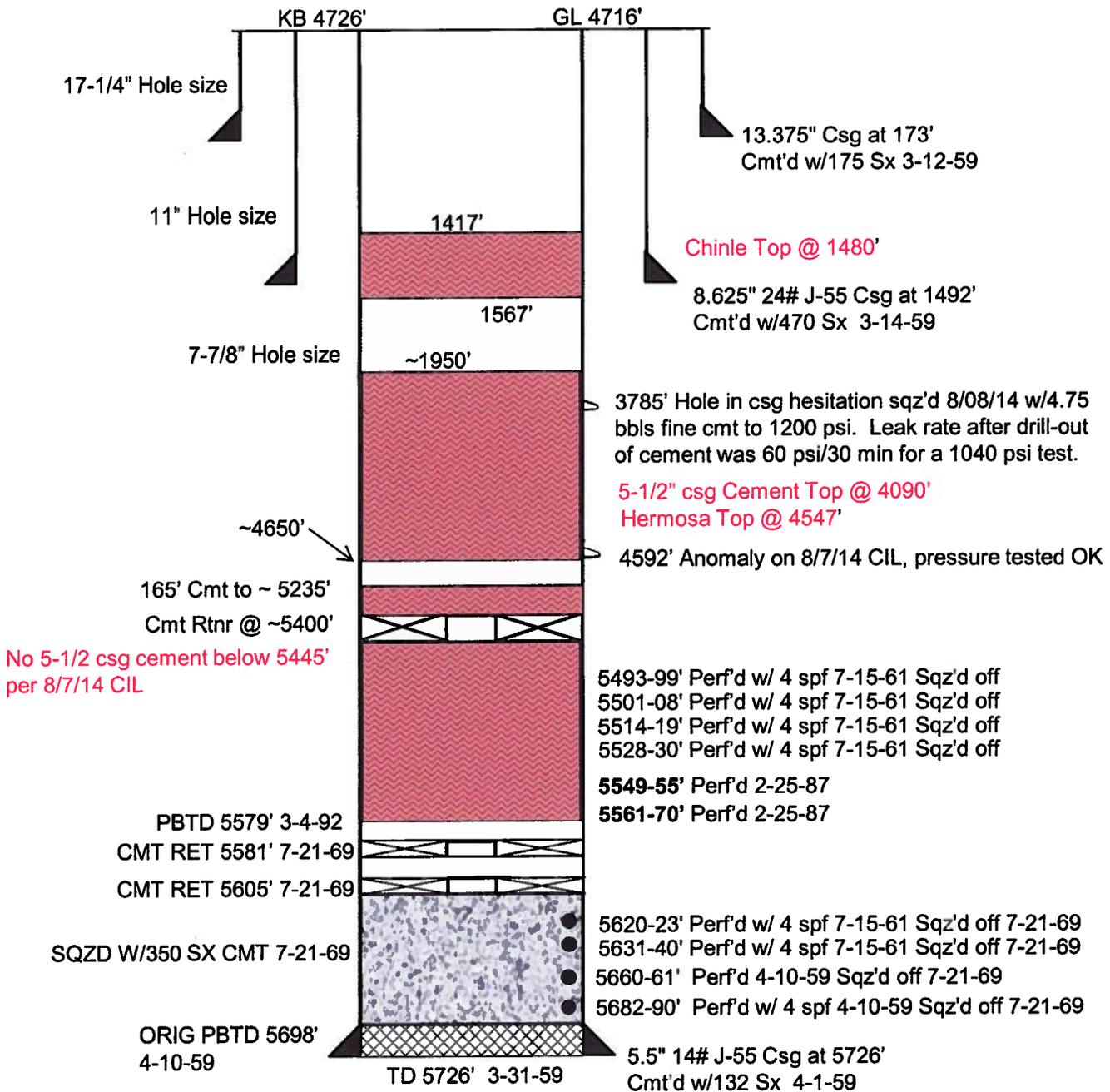
**Attachment 1:  
Current Wellbore**



**RATHERFORD UNIT #16W-14**  
**GREATER ANETH FIELD UTAH**  
 660' FSL & 660' FWL  
 SEC 16-T41S-R24E  
 SAN JUAN COUNTY, UTAH  
 API 43-037-15721  
 PRISM 0043039

**INJECTOR**

**Attachment 2:  
 Proposed TA'd Wellbore**



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-355
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO
		<b>7. UNIT or CA AGREEMENT NAME:</b> RATHERFORD
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> 16-14
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES		<b>9. API NUMBER:</b> 43037157210000
<b>3. ADDRESS OF OPERATOR:</b> 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535	<b>PHONE NUMBER:</b> 303 534-4600 Ext	<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 16 Township: 41.0S Range: 24.0E Meridian: S		<b>COUNTY:</b> SAN JUAN
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/22/2014  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Resolute Natural Resources respectfully submits this sundry as notice that the T&A on the above well was completed. The Details and Schematic are attached.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 08, 2014</b>		
<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/27/2014

**Activity Summary 8/1/14 – 8/22/14: Ratherford Unit Injector 16W-14 Temporary Abandonment**

**NOTE: This work began as a routine UIC repair of (tubing to casing communication), anticipating that the well would be restored to injection. As work progressed, casing damage prevented reaching this objective and drove the decision to TA the well.**

Rigged up Well Service Unit, pulled & LD 2-3/8 injection tubing, found hole in collar at joint #142 (4641'). Retrieved 5-1/2" AS-1X injection packer. Made bit & scraper trip, cleaned out using power swivel from 5572' to 5577' - hard (PBD at 5579').

RU Electric Line and ran casing inspection and cement bond logs from 5563' to surface. Possible holes in casing indicated at 3784' and 4592' with no casing remaining below ~5445'. CBL indicated top of 5-1/2 casing cement at 4090'.

**This well is not listed on the Horsley-Witten study list for Chinle remediation, probably due to surface csg shoe @ 1492', 12' below the Chinle top at 1480'. The Hermosa top is at 4550' per State of Utah well file; 4547' per Resolute geologist pick.**

Ran & set RBP at 5413'; ran test packer to isolate casing leak(s). Leak was narrowed down to the interval from 3728' to 3858'; the remainder of 5-1/2 tested OK to 5413'.

**Received Resolute Reservoir Engineering assessment of the value of this wellbore, indicating a low value injector. Decision made to attempt to return the well to injection since the cost of this option was deemed about equal to temporary abandonment.**

Performed hesitation cement squeeze with open ended workstring at 3784' and placed 4.75 bbls fine cement behind pipe to 1200 psi final squeeze pressure. Cement was 13 ppg, 2.076 yield. Waited on cement over the weekend, then drilled out cement and pressure tested casing and squeeze: Pressure leakoff was 60 psi/30 min when tested to 1060 psi. Decided to run electric line casing patch rather than attempt a second cement squeeze.

Ran test packer & RBP and reconfirmed one leak only - at 3784'. Pressure tested to 1060 psi and found the casing tested OK except at 3784'. POOH & LD RBP and packer. Ran & set treating packer at 5405' and pumped 2000 gal 20% HCl; water displacement 1.5 bpm at 3360 psi; 3159 psi ISIP, to 2100 psi after 1.5 hrs. Pulled & LD treating packer. RIH & set AS-1X injection packer at 5400'; dumped sand on top of packer. RU Electric Line to run 20' x 4.79" OD X-Span casing patch. Hit several tight spots; unable to pass 2410'. POH & RD Electric line. Ran 4-3/4 mill assembly & worked through the indicated tight areas using tongs for rotation multiple times – felt nothing. RU Electric line & ran patch again. Tight starting at 2024', unable to pass 2098'. POH & RD Electric line. Re-ran same 4-3/4 mill assembly & rotated with power swivel through tight areas – felt no resistance to 2445'; began torqueing up at 2448-2450' with metal cuttings in returns. Shut down to reconsider options.

**Decided to go back to the TA option.** POH & LD mills & bha. RIH w/on-off tool, circulated sand off top of injection packer, Jay'd onto pkr. RU WL & retrieved 1.50 plug from pkr. POH & LD injection packer.

**Received e-mail approval for the proposed TA procedure from Bill Freeman/NNEPA on Aug 18, 2014.**

RIH & set cast iron cement retainer at 5405', stung out of CICR & circ'd 130 bbls fresh water to surface. Stung back into CICR & pumped cement as follows: 5 bbls FW ahead, 11 bbls/70 sx Type III Neat Cement, 14.6 ppg, 1.37 yield. Displaced w/17 bbls FW, placing 7 bbls cement below CICR, stung out & spotted 4 bbls cement on top of CICR. TOH & left 80 jts as kill string. WOC overnight. RIH open ended & tagged cement top at 5323' = 82' on top of CICR. Spotted in 2 more bbls/8 sx cement, pulled 20 jts, WOC 3 hrs, re-tag at 5272' = 133' on top of CICR. Circulate 120 bbls inhibited packer fluid to surface.

Set EOT at 4655' & spotted in 33 bbls/135 sx cement, POH & LD 42 jts, set EOT at 3304' & pumped 35 bbls/143 sx cement. TOH 58 jts, WOC overnight.

RIH & tagged cmt top at 1392' (1870' expected); POH w/WS, PU bit & drilled up 2' stringer at 1392', continued in hole to 1572'. POH & LD bit, RIH open ended & tagged high at 1580' (probable 2<sup>nd</sup> stringer of cmt); crew should have drilled this one up also, but did not. NOTE: Top of this plug is shown at 1875' (calculated) on WBD, based on cement volume pumped minus 5' for two stringers. Second (suspected) stringer tagged at 1580' is not shown on WBD.

Set EOT at 1567' & spotted in 4.5 bbls cement for top plug. TOH 42 jts & WOC overnight.

RIH & tagged cmt top at 1373' = 194' top plug across surface csg shoe at 1492'. POH & LD WS. Pressure tested 5-1/2 casing above top plug to 1000 psi & charted the test twice – good test. ND BOP's NU WH w/5000 psi B1 flange. RDWSU, RDMO. Temporary Abandonment complete.

Attachment No. 1: Final TA Wellbore Diagram, RU 16W-14

# RATHERFORD UNIT #16W-14

GREATER ANETH FIELD UTAH

660' FSL & 660' FWL

SEC 16-T41S-R24E

SAN JUAN COUNTY, UTAH

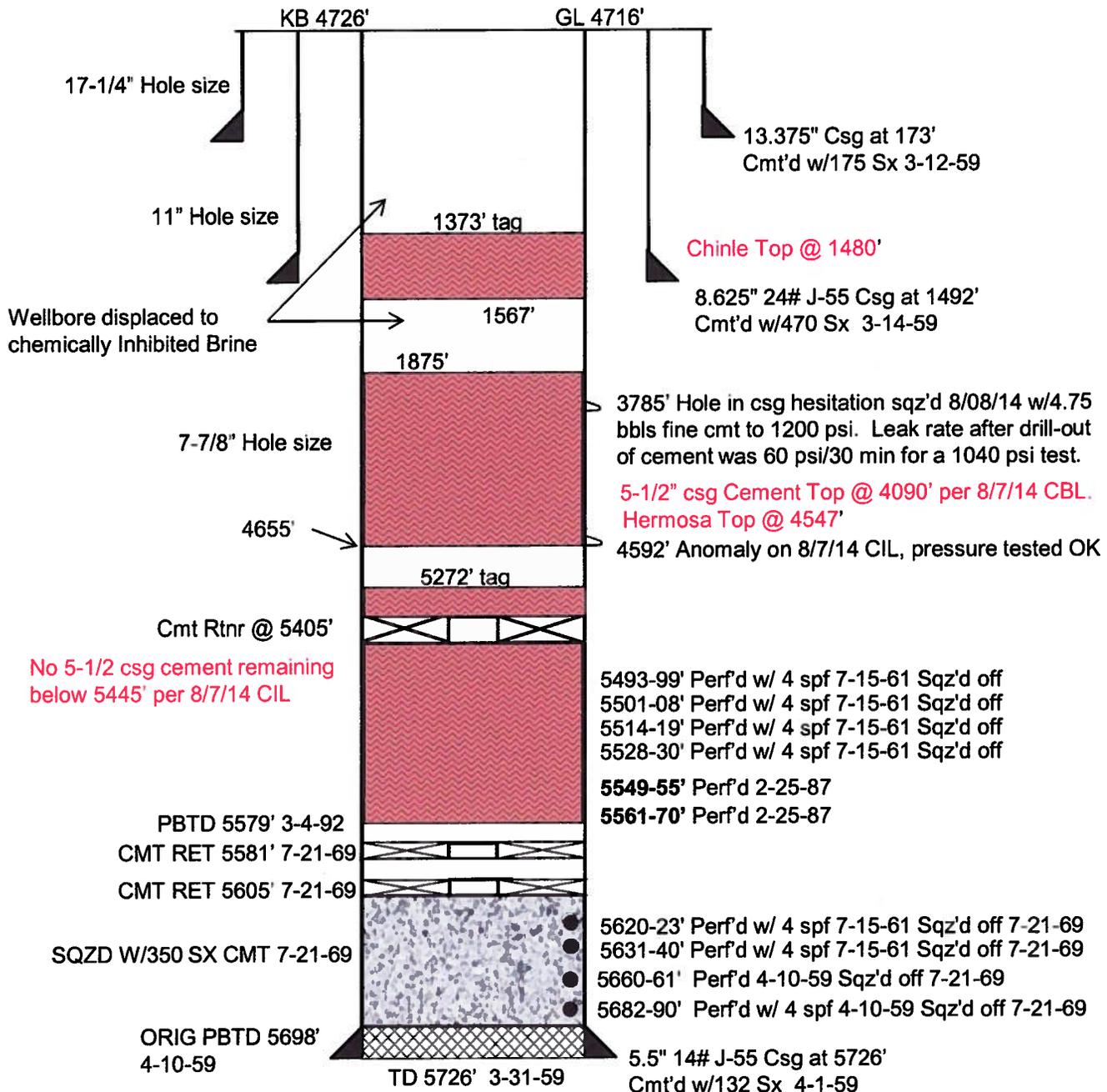
API 43-037-15721

PRISM 0043039

INJECTOR

## Attachment 1: Final TA'd Wellbore

Cemented for TA on 8/19-21/2014  
using 14.6 ppg Type III neat cement,  
1.37 Yield.



No 5-1/2 csg cement remaining below 5445' per 8/7/14 CIL