

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

Counted to water injection well 6-12-63

Noted in NID File
 On A & P Sheet
 Location Map Pinned
 Card Indexed
 IWR for State or Fee Land
 Checked by Chief
 Copy NID to Field Office
 Approval Letter
 Disapproval Letter

[Signature]

COMPLETION DATA:

Date Well Completed 3-29-60 Location Inspected _____
 OW WW _____ TA _____ Bond released _____
 GW _____ OS _____ PA _____ State of Fee Land _____

LOGS FILED

Driller's Log ~~4-60~~ 4-60
 Electric Logs (No.) 2
 E _____ I _____ E-I GR _____ GR-N Micro _____
 Lat. _____ Mi-L _____ Sonic _____ Others _____

Form 9-831b
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency _____

	5	
X		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Window Rock

Allottee Navajo

Lease No. 14-20-603-368

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	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)

March 2, 1960

Well No. Navajo 'B' #14-5 is located 660 ft. from $\left\{ \begin{matrix} N \\ S \end{matrix} \right\}$ line and 660 ft. from $\left\{ \begin{matrix} E \\ W \end{matrix} \right\}$ line of sec. 5

SW SW Sec. 5 (14 Sec. and Sec. No.) 41S (Twp.) 24E (Range) 11.00M (Meridian)
Kearford San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~drill floor~~ above sea level is 4472 ft. graded ground

DETAILS OF WORK

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

Propose to drill well to test Paradox Formation at a depth of approximately 5500'.

Will set approximately 950' of 5 5/8" surface pipe with cement circulated to surface.

Will set 5 1/2" casing through any commercial production encountered. This casing will be cemented with 300 sacks.

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

Company The Superior Oil Company

Address P.O. Drawer G
Cortez, Colorado

By J. D. Kingman
J. D. Kingman

Title Engineer

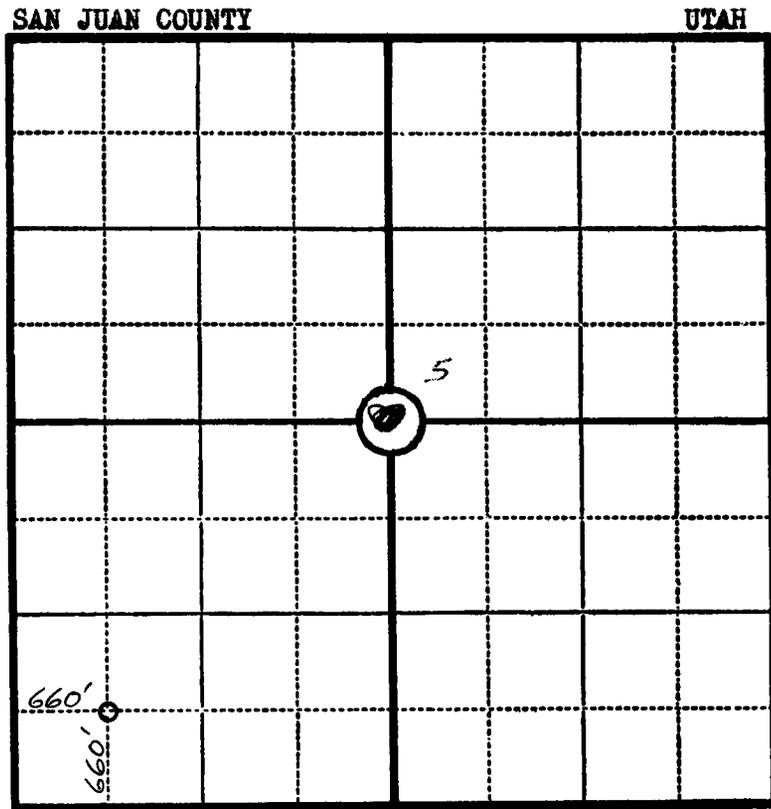
Company THE SUPERIOR OIL COMPANY

Lease NAVAJO B Well No. 14-5

Sec. 75, T. 41 S, R. 24 E. S.L.M.

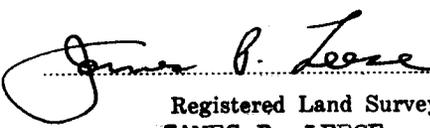
Location 660' FROM THE SOUTH LINE AND 660' FROM THE WEST LINES.

Elevation 4481.0 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:  Registered Land Surveyor.
JAMES P. LEESE
UTAH REG. NO. 1472

Surveyed 14 DECEMBER, 1957

March 3, 1960

Superior Oil Company
P. O. Drawer G
Cortez, Colorado

Attention: D. D. Kingman, Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo B 14-5, which is to be located 660 feet from the south line and 660 feet from the west line of Section 5, Township 41 South, Range 24 East, SLBM, San Juan County, Utah.

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

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE SECRETARY

CBF:ep

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

(SUBMIT IN TRIPLICATE)

Indian Agency _____

Window Rock

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee **Navajo**

Lease No. **14-20-603-368**

		5	
X			

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

April 19, 19 60

Navajo 'B'
Well No. **14-5** is located **660** ft. from **S** line and **660** ft. from **W** line of sec. **5**

SW SW Sec. 5 (¼ Sec. and Sec. No.)	41S (Twp.)	24E (Range)	SLBM (Meridian)
Ratherford (Field)	San Juan (County or Subdivision)	Utah (State or Territory)	

The elevation of the ~~2493~~ above sea level is **4493** ft. **K.B.**

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: **March 8, 1960**

Completed: **April 10, 1960**

T.D.: **5511'**

P.B.T.D.: **5483'**

Casing: **8-5/8" 24# surface pipe set at 950' with 600 sacks.**
5½" 14# production string set at 5511' with 300 sacks.

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

Company **The Superior Oil Company**

Address **P. O. Drawer G**

Cortez, Colorado

By *D. D. Kingman*
D. D. Kingman

Title **Engineer**

APR 25 1960

Electric Log Tops:

De Chelly	2496'	Gothic Shale	5378'
Organ Rock	2628'	Desert Creek	5390' (-897')
Hermosa	4418'		
Ismay	5234'		

Perforations: 5391'-5404', 5411'-15', 5418'-22', 5424'-30', 5435'-42'.

Drill Stem Tests: None

Treatments: (Perfs as above.)

4-8-60 500 gallons BDA. Maximum pressure 5500#/2500#.

4-8-60 6,000 gallons regular acid. Maximum pressure 5500#/2500#.

Tubing:

2½" 6.5# J-55 R-2 8Rd EUE hung	5477'
Pump Shoe	5434'
Tubing Anchor	5371'
R & L	5370'

Perf'd pup one joint off bottom with gas anchor.

Tubing landed on T-16 hanger.

Initial Production:

4-18-60 Pumped 7½ barrels of fluid in 24 hours.
Gravity 41.6°, cut 0.3%, 60#/600#, 14 x 54" SPM.

Form 9-331 b
(April 1962)

(SUBMIT IN TRIPLICATE)

Indian Agency _____

Window Rock

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee **Navajo**

Lease No. **14-20-603-368**

	5	
X		

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

April 19, 19 60

Navajo 'B'
Well No. 14-5 is located 660 ft. from S line and 660 ft. from W line of sec. 5

SW SW Sec. 5 41S 24E SLBM
(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the ~~land surface~~ above sea level is 4493 ft. K.B.

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: March 8, 1960

Completed: April 10, 1960

T.D.: 5511'

PBTD: 5483'

Casing: 8-5/8" 24# surface pipe set at 950' with 600 sacks.
5½" 14# production string set at 5511' with 300 sacks.

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

Company The Superior Oil Company

Address P. O. Drawer G

Cortez, Colorado

By D. D. Kingman
D. D. Kingman

Title Engineer

Electric Log Tops:

De Chelly	2496'	Gothic Shale	5378'
Organ Rock	2628'	Desert Creek	5390' (-897')
Hermosa	4418'		
Ismay	5234'		

Perforations: 5391'-5404', 5411'-15', 5418'-22', 5424'-30', 5435'-42'.

Drill Stem Tests: None

Treatments: (Perfs as above.)

4-8-60 500 gallons BDA. Maximum pressure 5500#/2500#.

4-8-60 6,000 gallons regular acid. Maximum pressure 5500#/2500#.

Tubing:

2½" 6.5# J-55 R-2 8Rd EUE hung	5477'
Pump Shoe	5434'
Tubing Anchor	5371'
R & L	5370'

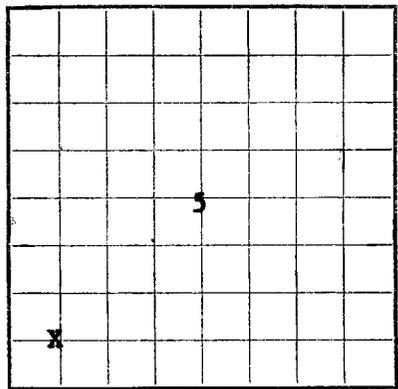
Perf'd pup one joint off bottom with gas anchor.

Tubing landed on T-16 hanger.

Initial Production:

4-18-60 Pumped 74 barrels of fluid in 24 hours.
Gravity 41.6°, cut 0.3%, 60#/600#, 14 x 54" SPM.

U. S. LAND OFFICE Santa Fe
 SERIAL NUMBER 14-20-603-368
 LEASE OR PERMIT TO PROSPECT Navajo



LOCATE WELL CORRECTLY

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Superior Oil Company Address P.O. Drawer G, Cortez, Colorado
 Lessor or Tract Navajo 'B' Field Ratherford State Utah
 Well No. 14-5 Sec. 5 T. 41S R. 24E Meridian SLBM County San Juan
 Location 660 ft. $\left\{ \begin{matrix} N. \\ S. \end{matrix} \right\}$ of S Line and 660 ft. $\left\{ \begin{matrix} E. \\ W. \end{matrix} \right\}$ of W Line of section 5 Elevation 4493 KB
(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 D. D. Kingman
 Title Engineer

Date April 19, 1960

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

Commenced drilling March 8, 1960 Finished drilling March 29, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5234 to 5378 No. 4, from _____ to _____
 No. 2, from 5390 to 5511 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From--	To--	
8-5/8"	244	8 R4		950	float	none			Surface
5 1/2"	144	8 R4		5511	float	none	5391	5406	Production
							5411	5415	
							5418	5422	
							5428	5430	
							5435	5442	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	950'	600	Circulated to surface.		
5 1/2"	5511'	300	Pump & plug.		

PLUGS AND ADAPTERS

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

FOLD MARK

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from surface feet to 5511 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing April 10, 1960
 The production for the first 24 hours was 74 barrels of fluid of which 99.7 % was oil; _____ %
 emulsion 0.3 % water; and _____ % sediment. Gravity, °Bé. 41.6
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

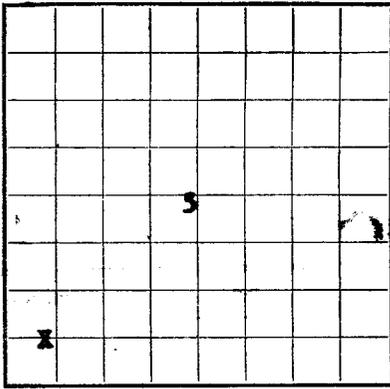
FROM-	TO-	TOTAL FEET	FORMATION
Electric Log Tops:			
		2496	De Chelly
		2528	Organ Rock
		4418	Bermosa
		5234	Ismay
		5378	Gothic Shale
		5390 (-897)	Desert Creek
DDK/ba	4-20-60		
FROM-	TO-	TOTAL FEET	FORMATION

FORMATION RECORD - ^(OVER) Continued

16-43084-4

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 14-20-603-368
LEASE OR PERMIT TO PROSPECT Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The Superior Oil Company Address P.O. Drawer G, Cortez, Colorado
Lessor or Tract Navajo 'B' Field Rutherford State Utah
Well No. 14-5 Sec. 5 T. 41S R. 24E Meridian SLBM County San Juan
Location 660 ft. $\left\{ \begin{matrix} N. \\ S. \end{matrix} \right\}$ of S Line and 660 ft. $\left\{ \begin{matrix} E. \\ W. \end{matrix} \right\}$ of W Line of section 5 Elevation 4493 KB
(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 D. D. Kingman
Title Engineer

Date April 19, 1960

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

Commenced drilling March 8, 1960 Finished drilling March 29, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5234 to 5378 No. 4, from _____ to _____
No. 2, from 5390 to 5511 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>8-5/8"</u>	<u>21.5</u>	<u>8</u>	<u>API</u>	<u>950'</u>	<u>Fixed</u>	<u>Surface</u>	<u>5411</u>	<u>5415</u>	<u>Surface</u>
<u>5 1/2"</u>	<u>15.5</u>	<u>8</u>	<u>API</u>	<u>300'</u>	<u>Fixed</u>	<u>5415</u>	<u>5418</u>	<u>5422</u>	<u>5415</u>
							<u>5428</u>	<u>5430</u>	
							<u>5435</u>	<u>5442</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>950'</u>	<u>600</u>	<u>Circulized to surface.</u>		
<u>5 1/2"</u>	<u>5511'</u>	<u>300</u>	<u>Pump & plug.</u>		

PLUGS AND ADAPTERS

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

FOLD MARK

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from **surface** feet to **5511** feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing **April 10**, 19**60**
 The production for the first 24 hours was **74** barrels of fluid of which **99.7** % was oil; _____ %
 emulsion **0.3** % water; and _____ % sediment. Gravity, °Bé. **22 41.6**
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Electric Log Tops:			
		2496	De Chelly
		2628	Organ Rock
		4418	Hermosa
		5234	Ismay
		5378	Gothic Shale
		5390 (-897)	Desert Creek
DDK/ba	4-20-60		
FROM—	TO—	TOTAL FEET	FORMATION

[OVER]
FORMATION RECORD—CONTINUED

16-43094-4

Link

Form 9-881b
(April 1952)

Wick

Copy H.K.C.

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

02/16/63

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal
Lease No. 14-20-603-368

SUNDRY NOTICES AND REPORTS ON WELLS

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

~~NOTICE OF INTENTION TO ABANDON WELL~~
**Notice of Intention to Deepen 90',
perforate 16' Desert Creek and
convert to water injection.**

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

Rutherford Unit (Formerly Superior Oil Co. Navajo N114-5) **Cortez, Colorado** **March 15**, 19 **63**

Well No. 5-14 is located 660 ft. from XX line and 660 ft. from XX line of sec. 5

SW SW Sec. 5 41S 24E 31EM

Greater Aneth San Juan Utah

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

The elevation of the derrick floor above sea level is 4478 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)

Kill well. Pull rods and tubing, drill cement plug from 5493 to 5511' and new hole from 5511 to 5533' using gelled water. Displace drilling fluid with clean water and sub fluid level down to approximately 3500'. Jet perforate Desert Creek zone with 4 holes/foot from 5478-94'. Run 2 1/2" Marlex lined tubing with Baker tension packer, set at approximately 5350' and convert to water injection. Present production: 15 BO, 0 Water, 22 MCF gas - pumping.

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

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

By [Signature]
C. H. Boles
Title Dist. Supt.



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

June 21, 1963

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

Attention: Mr. Cleon B. Feight

Dear Sirs:

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

<u>Old Well No.</u>	<u>New Well No.</u>	<u>Date Converted</u>	<u>Length of Test</u>	<u>Injection Rate</u>	<u>Injection Pressure</u>
11-44	11W44	6-11-63	24 hrs	111 BWPD	350#
5-14	5W14	6-12-63	24 hrs	407 BWPD	350#
2-44	2W44	6-11-63	24 hrs	1107 BWPD	300#

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

Very truly yours,

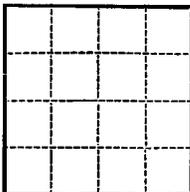
PHILLIPS PETROLEUM COMPANY


C. M. Boles
District Superintendent

bh

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal

Lease No. 14-20-603-360

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
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		<u>Subsequent report to Deepen 50', per- forate 16' Desert Creek and convert to water injection.</u>	

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

Cortez, Colorado July 8 1963
Rutherford Unit (Formerly Superior Oil Co. Navajo #21-5 and R.U. #9-14)
 Well No. 5-14 is located 660 ft. from XXX line and 660 ft. from XXX line of sec. 5
SW 1/4 Sec. 5 41S 24E SLM
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Greater Aneth San Juan Utah
 (Field) (County or Subdivision) (State or Territory)

The elevation of the ~~surface~~ graded ground above sea level is 4478 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)

Convert well to Water Injection (5-19-63 through 6-18-63):
 Drilled cement 5483' to 5511', drilled new hole to 5533'. Perforated 5478-94'. Ran 2-1/2" tubing and Marlex liner, started injecting water 6-12-63. Took 61 gal in 20 hours on vacuum and then would not take water at 350%. Pumped into well 3/4 gal at 1500' for 15 minutes using pump truck. Still would not take water at 350%. Acidized with 2000 gallons 15% regular acid. Well started taking water at 350%. Changed well classification from oil well to Water Injection well and changed number from 5-14 to 5-14.

Previous Production, Greater Aneth - Paradox Formation - Desert Creek one:
 12 gal, 17 MCF Gas, 2 gal.

Present: Greater Aneth - Paradox, Desert Creek zone: Injected 407 gal in 24 hours at 350%, 64/64" choke.

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

Company Phillips Petroleum

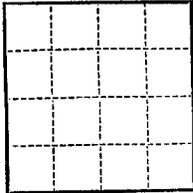
Address P.O. Box 1150

Cortez, Colorado

By C. M. Boles

Title District Superintendent

Copy H.L.E.
(SUBMIT IN TRIPLICATE)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
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.....	X	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

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

-----Cortez, Colorado----- August 14, 1963
 Fatherford Unit
 Well No. 5-14 is located 660 ft. from [N] line and 660 ft. from [E] line of sec. 5
 SW SW Sec 5 (1/4 Sec. and Sec. No.) T15S (Twp.) R24E (Range) S11E (Meridian)
 Greater Aneth (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the ~~deck floor~~ ^{graded ground} above sea level is 4478 ft.

DETAILS OF WORK

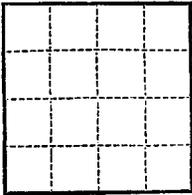
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Acidize injection well with 2000 gallons 15% regular, 300 gallons Sol-Block, and 3000 gallons 15% regular acid.

Present Production from Greater Aneth - Paradox formation, Desert Creek zone: Injected 236 BOPD at 380%.

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

Company PHILLIPS PETROLEUM
 Address P. O. Drawer 1150
 Cortez, Colorado
 By *C. H. Soles*
 C. H. Soles
 Title District Superintendent



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency NAVAJO
Allottee TRIBAL
Lease No. 14-20-603-368

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Superior
RATHERFORD UNIT Cortez, Colorado August 22 v 1963

Well No. SW 24 is located 660 ft. from XX $\left\{ \begin{matrix} N \\ S \end{matrix} \right\}$ line and 660 ft. from XXE $\left\{ \begin{matrix} W \\ E \end{matrix} \right\}$ line of sec. 5
 SW Sec. 5 41S 24E SLRM
(4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Greater San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4478 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)

8/2/63: Western Company acidized with 200 gallons 15% regular acid, 300 gallons Sol-Block, and 3000 gallons 15% regular acid. Maximum Treating Pressure 3800#, Minimum 600#. Pressure increased from 1400# to 2800# when block hit formation. Rate on acid 6.1 BPM, flush 6 BPM. Overflushed with 10 BW. Instantaneous Shut In Pressure - Vacuum. Job complete 7:46 A.M. 8-2-63. Hooked up for injection, started taking water at 3 BPM at 0# pressure.
 8-3-63: Well taking water at 4320 BPD rate at 0# pressure.

Present Production: Injected 4320 BWPD at 0#.

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

PHILLIPS PETROLEUM COMPANY
 Company P. O. Drawer 1150
 Address Cortez, Colorado
 By C. M. Delee
 Dist. Supt.
 Title

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R-124

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Indian

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection Well	7. UNIT AGREEMENT NAME SW-I-4192
2. NAME OF OPERATOR Phillips Petroleum Company	8. FARM OR LEASE NAME Rutherford Unit
3. ADDRESS OF OPERATOR Drawer 1150, Cortez, Colorado	9. WELL NO. 5414
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' ESL, 660' FWL, Sec. 15-419-24E	10. FIELD AND POOL, OR WILDCAT Greater Anoth
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4552 ungraded ground
	11. SEC., T., R., M., OR BLK. AND SUBDIVISION OR AREA 15-419-24E, S.L.S.
	12. COUNTY OR PARISH San Juan
	13. STATE Utah

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

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

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

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

In attempt to increase injection rate, acidize well with 1000 gallons 15% regular acid.

Present Injection Rate: 1173 BHPD at 500#

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

SIGNED C. M. Boles TITLE District Superintendent DATE 3-21-65

(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 APPLICATION*
(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 Indian

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection Well		7. UNIT AGREEMENT NAME SI-I-4192
2. NAME OF OPERATOR Phillips Petroleum Company		8. FARM OR LEASE NAME Rutherford Unit
3. ADDRESS OF OPERATOR Dresser 1150, Cortez, Colorado		9. WELL NO. 5014
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL, 660' FML, Sec. 15-418-24E		10. FIELD AND POOL, OR WILDCAT Greater Anoth Field
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 452 ungraded ground	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 15-418-24E, S.L.M.
		12. COUNTY San Juan 13. STATE Utah

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

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

On August 26, 1965 acidized well with 1000 gallons 15% regular acid down tubing. Resumed injection.

Previous injection rate: 1173 BWPD at 500%.

Present injection rate: 2016 BWPD at 0%.

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

SIGNED

G. H. Boled
G. H. Boled

TITLE

District Superintendent

DATE

9-8-65

(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 TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-385

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Nevajo Indian

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection well</p>	<p>7. UNIT AGREEMENT NAME W-I-4192</p>
<p>2. NAME OF OPERATOR Phillips Petroleum Company</p>	<p>8. FARM OR LEASE NAME Rutherford Unit</p>
<p>3. ADDRESS OF OPERATOR Dresser 1150, Cortez, Colorado</p>	<p>9. WELL NO. 201</p>
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL, 660' FHL, Sec. 15-418-243</p>	<p>10. FIELD AND POOL, OR WILDCAT Greater Anoth Field</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 452 ungraded ground</p>
<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 15-418-243, S.L.M.</p>	<p>12. COUNTY OR PARISH San Juan</p>
<p>13. STATE New</p>	

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

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

On August 26, 1965 acidised well with 1000 gallons 15% regular acid down tubing. Resumed injection.

Previous injection rate: 1173 BWPD at 500%.

Present injection rate: 2016 BWPD at 0%.

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

SIGNED *C. H. Dolan* TITLE District Superintendent DATE 9-8-65

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R142A.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-409-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-1-4192

8. FARM OR LEASE NAME

Hetherford Unit

9. WELL NO.

SW1

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

5-418-34E SW

12. COUNTY OF _____ 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 Injection Well**

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; 660' FWL, Sec. 15

14. PERMIT NO. _____ 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4552' ungraded ground

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) _____

(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.)*

Acidize water injection well with 5000 gallons 15% in two stages to improve water receptivity.

Previous Injection Rate: 897 BWPD at 1640f.

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

SIGNED

C. K. Hales

TITLE

Dist. Supt.

DATE

10-14-68

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Copies: Orig & 2 cc: USGS, Farmington, N.M.

2 cc: Utah OAGCC, SLG

1cc: Bville

*See Instructions on Reverse Side

1 cc: Denver

1 cc: File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIP. DATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-30-609-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SM-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

5W1A

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

5-415-245 SIM

12. COUNTY OF ~~Denver~~ 13. STATE

San Juan Utah

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

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' PSL; 660' FWL, Sec. 15

14. PERMIT NO.

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

4552' 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.)*

Acidize water injection well with 5000 gallons 15% in two stages to improve water receptivity.

Previous Injection Rate: 897 BHPD at 1640#.

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

SIGNED

C. M. Bolas
C. M. Bolas

TITLE

Dist. Supt.

DATE

10-14-68

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Copies: Orig & 2 cc: USGS, Farmington, N.M.

2 cc: Utah O&GCC, SIC

1 cc: Bville

1 cc: Denver

1 cc: File

***See Instructions on Reverse Side**

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
14-30-403-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
None

7. UNIT AGREEMENT NAME
SM-1-4192

8. FARM OR LEASE NAME
Rutherford Unit

9. WELL NO.
344

10. FIELD AND POOL, OR WILDCAT
Greater Inoch

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

12. COUNTY
San Juan

13. STATE
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 Injection Well**

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; 660' FSL, Sec. 15

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4552' ungraded ground

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

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

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

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

On October 30, 1968 acidized Desert Creek Zone I and II perforations 5921-5401, 5411-15, 5418-22, 5421-30, 5435-42, 5478-94, and open hole 5911-33' through 2 1/2" bore steel tubing with 5000 gallons 15% acid in two equal stages with 1000 gallons salt plug between stages. Hooked back up and resumed injection.

Previous injection rate: 897 BWPD at 1640#.

Present injection rate: 4036 BWPD on vacuum.

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

SIGNED: H. Boies TITLE: District Superintendent DATE: 11-21-68

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:
Orig. & 2 cc: DECS, Farmington, N.M.
2 cc: Utah GEOCC, Salt Lake City
1 cc: B'ville
1 cc: Denver
1 cc: Superior, Cortez
1 cc: File

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-89-603-355

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

904

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

5-413-24E S14

12. COUNTY OF

San Juan

13. STATE

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 Injection Well

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' FBL; 660' FWL, Sec. 15

14. PERMIT NO.

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

4552' ungraded ground

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

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

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

On October 30, 1968 acidized Desert Creek Zone I and II perforations 5391-5404, 5411-15, 5418-22, 5424-30, 5435-42, 5478-94, and open hole 5511-33' through 2 1/2" bare steel tubing with 5000 gallons 15% acid in two equal stages with 1000 gallons salt plug between stages. Hooked back up and resumed injection.

Previous Injection Rate: 897 BWPD at 1640#.

Present Injection Rate: 4006 BWPD on vacuum.

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

SIGNED

C. M. Boles

TITLE District Superintendent

DATE 11-21-68

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Orig. & 2 cc: USGS, Farmington, N.M.

2 cc: Utah O&GCC, Salt Lake City

1 cc: B'ville

1 cc: Denver

1 cc: Superior, Cortez

1 cc: File

*See Instructions on Reverse Side

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

FORM NO. DOGM-UIC-1
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF
PHILLIPS PETROLEUM COMPANY
ADDRESS P.O. BOX 2920
CASPER, WYOMING ZIP 82602
INDIVIDUAL PARTNERSHIP CORPORATION
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE 5W14 WELL
SEC. 5 TWP. 41S RANGE 24E
SAN JUAN COUNTY, UTAH

CAUSE NO. C-3(B)

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

APPLICATION

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

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

Lease Name <u>Ratherford Unit</u>	Well No. <u>5W14</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>5W14</u> Sec. <u>5</u> Twp. <u>41S</u> Rge. <u>24E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>5-83</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>Wingate</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) <u>Desert Creek Paradox I & II</u> <u>San Juan River</u>	Geologic Name(s) and Depth of Source(s) <u>Desert Creek (5567')</u> <u>San Juan River (Surface)</u>		
Geologic Name of Injection Zone <u>Desert Creek I & II</u>	Depth of Injection Interval <u>5391</u> to <u>5533</u>		
a. Top of the Perforated Interval: <u>5391</u>	b. Base of Fresh Water: <u>1550'</u>	c. Intervening Thickness (a minus b) <u>3841</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES NO See Attachment #4			
Lithology of Intervening Zones <u>See Attachment #1</u>			
Injection Rates and Pressures <u>SD 2/10/77</u> Maximum _____ B/D PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>Navajo Tribe, Minerals Dept., P.O. Box 146, Window Rock, AZ 86515</u> <u>Superior Oil, P.O. Box 4530, The Woodlands, TX 77380</u> <u>Texaco Inc., P.O. Box 2100, Denver, CO 80201</u> <u>Southland Royalty, 1000 Fort Worth Club Tower, Fort Worth, TX 76102</u>			

State of Wyoming) PHILLIPS PETROLEUM COMPANY
County of Natrona) Applicant

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

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

SEAL
My commission expires Nov 3, 1986
DONALD L. HUDSON - Notary Public
County of Natrona State of Wyoming
Notary Public in and for Natrona Co., Wyoming
My Commission Expires Nov 3, 1986

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	8-5/8"	936.51	600	Surface	Returns
Intermediate	None				
Production	5-1/2"	5497.9	300	4889	Calculated
Tubing	2-1/2"	5359	Name - Type - Depth of Tubing Packer Baker "A" Tension Pkr 5359'		
Total Depth 5533'	Geologic Name - Inj. Zone Desert Creek I & II		Depth - Top of Inj. Interval 5391	Depth - Base of Inj. Interval 5533	

WELL: 5W41
LOCATION: SWSW Sec 5-41S-24E
FIELD: GREATER ANETH
RESERVOIR: Desert Creek I+II

W. COMPLETION: 6.12.63
PRESENT STATUS: S.I.

RKB 4493'
GL 4478'

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

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

936.51'

PERFORATIONS:
5391-5404 open hole:
5411-5415 5511-5533
5418-5422
5424-5430
5435-5442
5478-5494

PACKER: BAKER TENSION
Pkr @ 5359'
Tubing: 2 1/2" @ 5359'

5359'

5391'

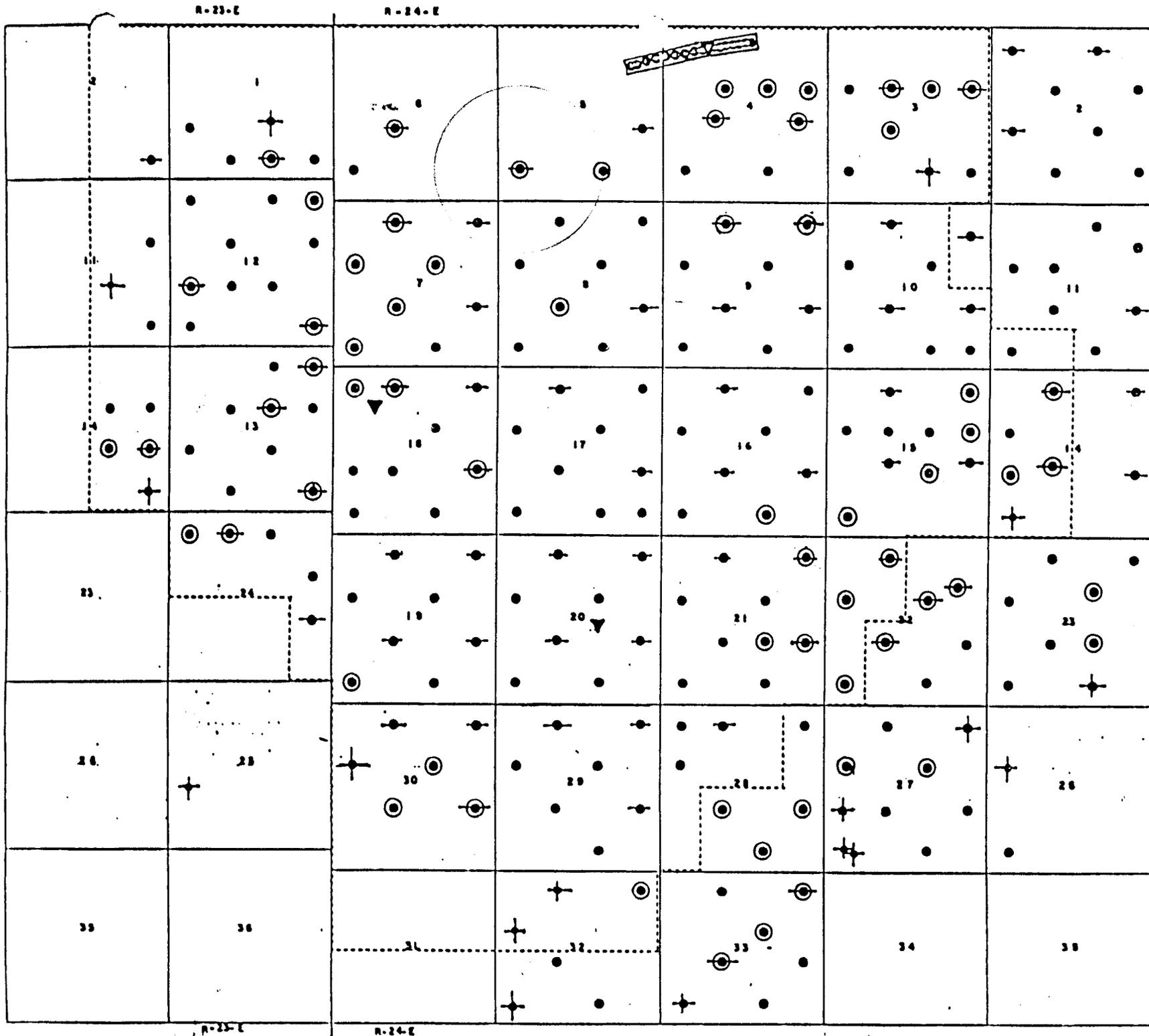
5494'

5497.9'

PBTD: 5497.9'
OTD: 5533'



Phillips Petroleum Company



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

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

WTE INJECTION WELL

CL1-12A (REV. 1964)

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

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

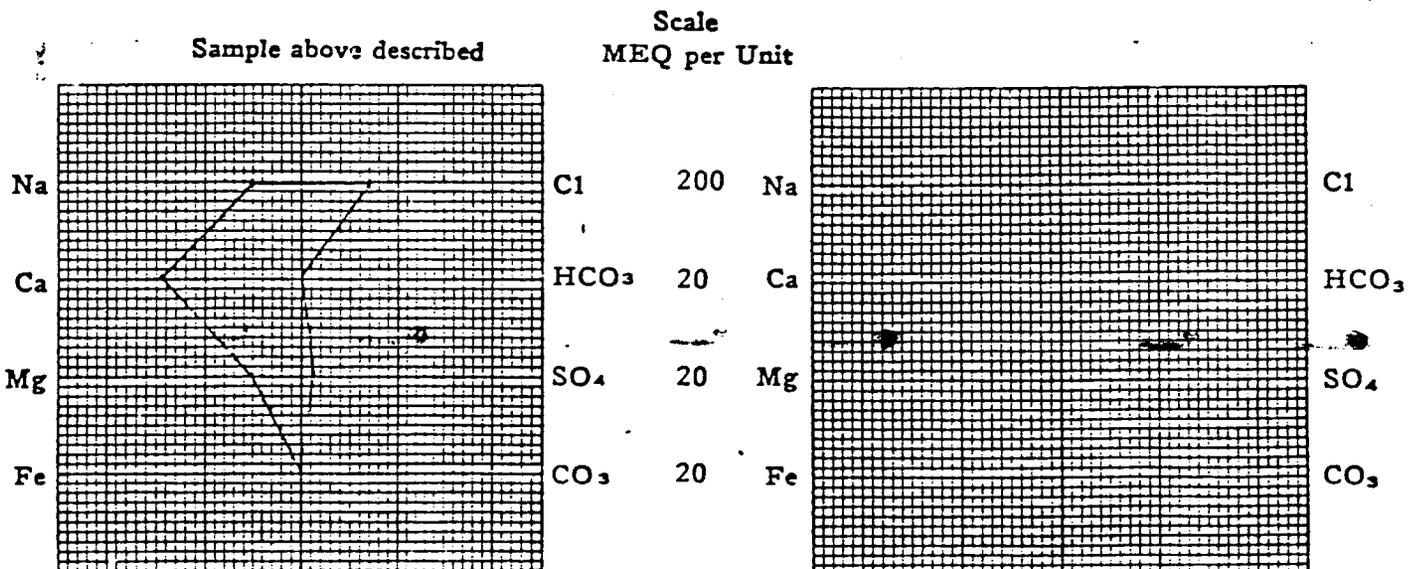
REMARKS & CONCLUSIONS: Specific gravity @68°F ----- 1.0646
 Oil and grease, mg/l ----- 2.5
 Aluminum (Al), mg/l ----- 0.90
 Iron (Fe), mg/l ----- 0.3
 Total Sulfides, mg/l ----- ND(0.1)

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

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

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

WATER ANALYSIS PATTERN



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

CL1-12A (REV. 1964).

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

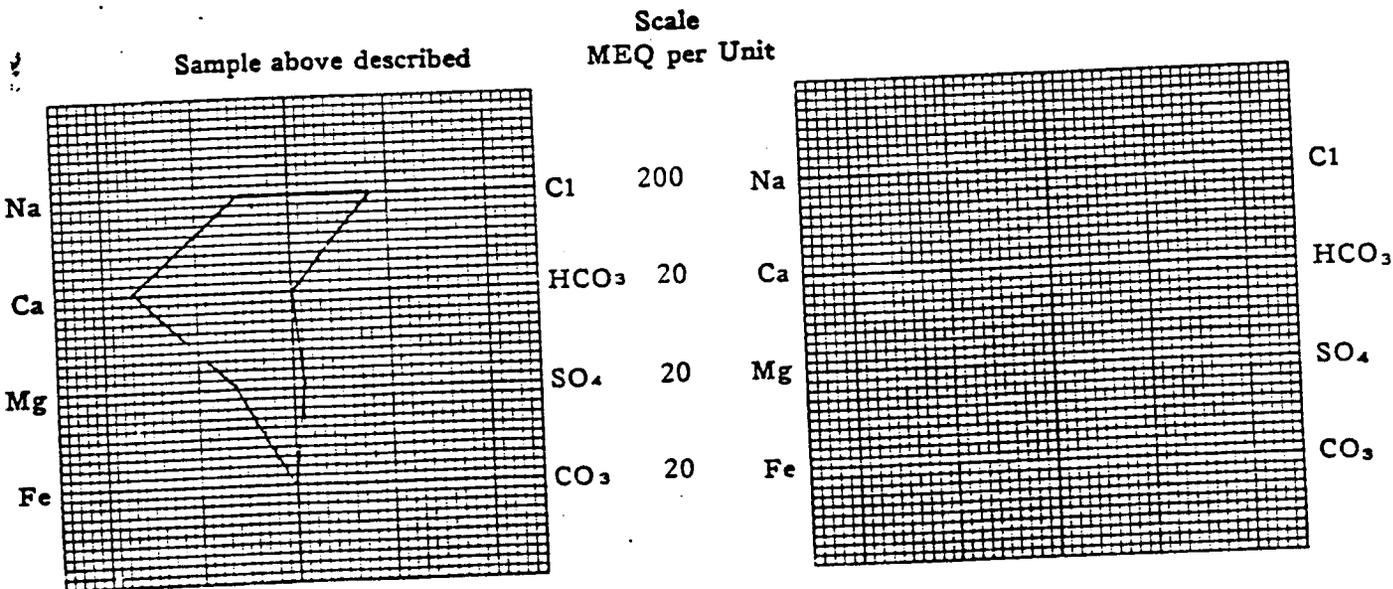
OPERATOR Phillips Petroleum Company DATE 7-22-83 LAB NO. W30636
 WELL NO. Ratherford Unit LOCATION _____
 FIELD _____ FORMATION _____
 COUNTY San Juan INTERVAL _____
 STATE Utah SAMPLE FROM Battery #1 Free water knockout
(7-5-83) @ 10:35
S/N 28568

REMARKS & CONCLUSIONS: _____

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

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

WATER ANALYSIS PATTERN



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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

4. LEASE IDENTIFICATION AND SERIAL NO.

14-20-603-368

5. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT ASSIGNMENT NAME

SW-I-4192

8. FARM OR LEASE NAME

Rutherford Unit

9. WELL NO.

5W14

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

11. SEC., T., R., N., OR BLM, AND
SUBSET OR AREA

Sec. 5-41S-24E, SLBM

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

1. OIL WELL GAS WELL OTHER Water Injection Well

2. NAME OF OPERATOR
Phillips Oil Company

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

6. 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. 5-T41S-R24E

14. PERMIT NO.
43-037-16391

15. ELEVATIONS (Show whether BV, ST, GR, etc.)
4493' 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:

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

SUBSEQUENT REPORT OF:

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

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

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

See attachment for Well Data, Justification and Proposed Operation.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 7/16/85
BY: *[Signature]*

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

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

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

SIGNED *[Signature]*

TITLE Area Manager

DATE July 10, 1985

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Ratherford Unit 5W14

7-10-85 ZS

Item 17

Well Data:

8-5/8" csg @ 950' w/600 sx cmt
5-1/2" csg @ 5511' w/300 sx cmt
Perfs @ 5391'-5404', 5411'-5415', 5418'-5422', 5424'-5430' 5435'-5442',
5478'-5494'.
Formation Tops: DeChelly @ 2,496'
Hermosa @ 4,418'
Desert Creek @ 5,390'
TD: 5,533'

Justification:

Ratherford Unit #5W14 is uneconomical to return to injection, and has no recompletion or stimulation potential.

Proposed Operation:

- 1) Sqz perfs w/100 sx cmt. TOC @ 5,250'.
- 2) Spot 30 sx cmt in 5-1/2" csg from 4,600' to 4,400' across Hermosa Fm.
- 3) Perf 5-1/2" csg @ 2,700'. (50' below DeChelly)
- 4) Pump 100 sx cmt to provide 300' balanced plug in annulus and in 5-1/2" csg from 2,700' to 2,400' to isolate the DeChelly Fm.
- 5) Perf 5-1/2" csg @ 1000' (50' below surf csg).
- 6) Pump 60 sx cmt to provide 150' balanced plug in annulus and in 5-1/2" csg from 1000' to 850' to provide plug across 8-5/8" csg shoe.
- 7) Pump through tbg 35 sx cmt in annulus and in 5-1/2" csg to provide 100' plug to surface.
- 8) Install P&A marker unless surface owner requests otherwise and rehab surface.
- 9) Will use mud-laden fluid between all cmt plugs.

ZGS
ZGS/fb (17)
Casper-RC

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

OPERATOR: Phillips Petroleum
 FIELD: Greater Aneth LEASE: Ratherford
 WELL # 5W14 SEC. 5 TOWNSHIP 41S RANGE 24E
 STATE (FED.) FEE DEPTH 5533 TYPE WELL INTW MAX. INJ. PRESS. _____
 SI 2/10/77
 TEST DATE 6/17/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>8 5/8</u>	<u>936.5</u>	<u>600</u>		<u>SR</u>	
<u>INTERMEDIATE</u>	<u>none</u>					
<u>PRODUCTION</u>	<u>5 1/2"</u>	<u>5497</u>	<u>300</u>			
<u>TUBING</u>	<u>2 1/2"</u>	<u>5359</u>			<u>Baker Model A</u>	

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

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

* * * * *
CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW
 * * * * *

Operator: Phillips Well No. Rutherford Unit 5W14
 County: San Juan T 41S R 24E Sec. 5 API# 43-037-16391
 New Well Conversion Disposal Well Enhanced Recovery Well

	<u>YES</u>	<u>NO</u>
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fracture Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure and Rate Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adequate Geologic Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Fluid Source Deposit well

Analysis of Injection Fluid Yes No TDS 85655
 Analysis of Water in Formation to be injected into Yes No TDS 100633

Known USDW in area Wingate Depth 1550
 Number of wells in area of review 30 Prod. 2 P&A
 Water Inj. 1

Aquifer Exemption Yes NA
 Mechanical Integrity Test Yes No
 Date Type

Comments: TOC 4589

Reviewed by: *[Signature]*

SUNDRY NOTICE 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.)

U. S. DEPARTMENT OF THE INTERIOR

W. OF INDIAN, ALABAMA OR TRUST FUND

Navajo 3

OIL WELL GAS WELL OTHER Water Injection Well

V. SURFACE ACQUISITION DATA

SW-1-4192

W. NAME ON LAND DATA

Ratherford Unit

NAME OF OPERATOR
Phillips Petroleum Company

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

W. WELL NO.
5W14

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. 5-T41S-R24E

PA west of P&A hole
with 200' depth

FIELD AND FOOT, OR WELDCAT
Greater Aneth

W. SEC. T. R. S. OR B.L.M. AND
OWNER OR AREA
Sec. 5-41S-24E, SLBM

PERMIT NO.
43-037-16391

ELEVATIONS (Show whether of, to, or, etc.)
4493' RKB

COUNTY OR PARISH
San Juan

STATE
Utah

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)

FILL 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.)

See attachment for proposed change of P&A procedure.

RECEIVED
OCT 14 1986

DIVISION OF
OIL, GAS & MINING

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

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

SIGNED D. C. Gill

TITLE Area Manager

DATE 10/8/86

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

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

Federal approval of this action
is required before commencing
operations

*See instructions on Reverse Side

DATE 10-16-86
BY: John R. Bays

RATHERFORD UNIT #5W14 P&A

Per verbal approval from John Keller on 10/8/86, will revise procedure to P&A Ratherford Unit Well #5W14 to be as follows:

- 1) Set cement retainer at 1095' (1' above fish) or higher if necessary to obtain injection, but no higher than 900'.
- 2) Mix and pump a maximum of 700 sacks cement below retainer until 1500 psi is reached or until cement returns are at surface in 5-1/2" x 8-5/8" annulus.

Note: Cement volume in Step 2 is based on filling 5-1/2" csg from 900 to 1000', 5-1/2" x 7-7/8" hole from 900 to 3550' and 5-1/2" x 8-5/8" annulus from 900' to surface plus 25% excess cement.

- 3) If cement returns are at surface, fill 5-1/2" csg with a maximum of 130 sacks cement from the retainer to surface.
- 4) If cement returns are not at surface, perforate 5-1/2" casing above retainer and pump a maximum of 400 sacks cement down 5-1/2" casing and up 5-1/2" x 8-5/8" annulus to surface.
- 5) Install P&A marker and rehab surface.

A revision of the original P&A procedure was requested as the tubing could not be recovered. The tubing is severely corroded and the annulus is full of scale. In 4 days of work 47' of tubing (in 5 pieces) was recovered.

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

SUBMIT IN TRIPlicate
(Other instructions
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

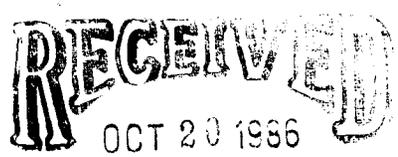
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Wtr Inj (P&A)		2. LEASE DESIGNATION AND SERIAL NO. 14-20-603-368
2. NAME OF OPERATOR Phillips Petroleum Company		3. BY INDIAN, ALLOTTEE OR TRIBE NAME Navajo 102309/3
3. ADDRESS OF OPERATOR P. O. Box 2920, Casper, Wyoming 82602		4. UNIT ASSIGNMENT NAME SW-I-4192
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL & 660' FWL, SW SW		5. FARM OR LEASE NAME Ratherford Unit
API #43-037-16391		6. WELL NO. 5W14
14. PERMIT NO. ↓ ↓ ↓	15. ELEVATIONS (Show whether 50, 100, etc.) RKB 4493'	10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC., T., R., N., OR B.L. AND SURVEY OR AREA Sec. 5-T41S-R24E
		12. COUNTY OR PARISH 13. STATE San Juan 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"/>	PLUG 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"/>	ABANDON CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <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.)
October 2, 1986 through October 11, 1986 -

MI WS Unit 10/2/86. Unable to recover 2-7/8" tbg below 1099'. Set 5-1/2" Shur-Drill Cmt Retainer at 894'. Pump 1010 sx Class B Cmt below retainer. Spot 150 sx Class B Cmt Plug in annulus and 85 sx Class B Cmt Plug in csg from 894' to surface. Cut-off csg 5' below GL. Welded 3/8" plate on csg. Installed permanent marker. Well Plugged & Abandoned 10/11/86.



DIVISION OF
OIL, GAS & MINING

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

18. I hereby certify that the foregoing is true and correct
 SIGNED D. C. Gill TITLE Area Manager DATE October 16, 1986

(This space for Federal or State office use)

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

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

DATE 10-21-86
BY John R. Day

*See instructions on Reverse Side

MEMO TO WELL FILE

DATE: November 30, 1992
FROM: Carol Daniels - Oil & Gas Records Room
RE: Status of Ratherford 5W14 well
API# 43-037-16391, Sec. 5, T. 41S, R. 24E

On Monday, November 30, 1992, Mr. Gilbert Hunt called Phillips Petroleum Co. in Farmington, New Mexico and asked about the status of the Ratherford 5W14 well. Mr. Hunt was told the well was P & A'd 10-11-86.

This information confirms the Inspection Reports done on the well.