Converted to water injection well & Started injecting 8-8-63

FILE NOTATIONS

Entered in N I D File	✓	Checked by Chief	RLD
Entered On S R Sheet		Copy N I D to Field Office	✓
Location Map Pinned	✓	Approval Letter	✓
Card Indexed	✓	Disapproval Letter	
I W R for State or Fee Land			

COMPLETION DATA:

Date Well Completed	12-17-60	Location Inspected	
OW ✓ WW	TA	Bond released	
GW OS	PA	State of Fee Land	

LOGS FILED

Driller's Log 1-10-61

Electric Logs (No.) 1

E I E-I GR GR-N ✓ Micro

Lat Mi-L Sonic Others

Copy to HC

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

Form 9-331 b
(April 1952)

	5		
			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency 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)

October 31, 19 60

Navajo 'B'
Well No. 43-5 is located 1400 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 5

NE SE 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 ~~derrick floor~~ above sea level is 4499 ft. ungraded 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 5580'.

Will set approximately 1450' of 7" surface pipe with cement circulated to surface.

Will set 4½" casing through any commercial shows encountered. 4½" casing will be cemented with 250 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

ORIGINAL SIGNED BY
D. D. KINGMAN

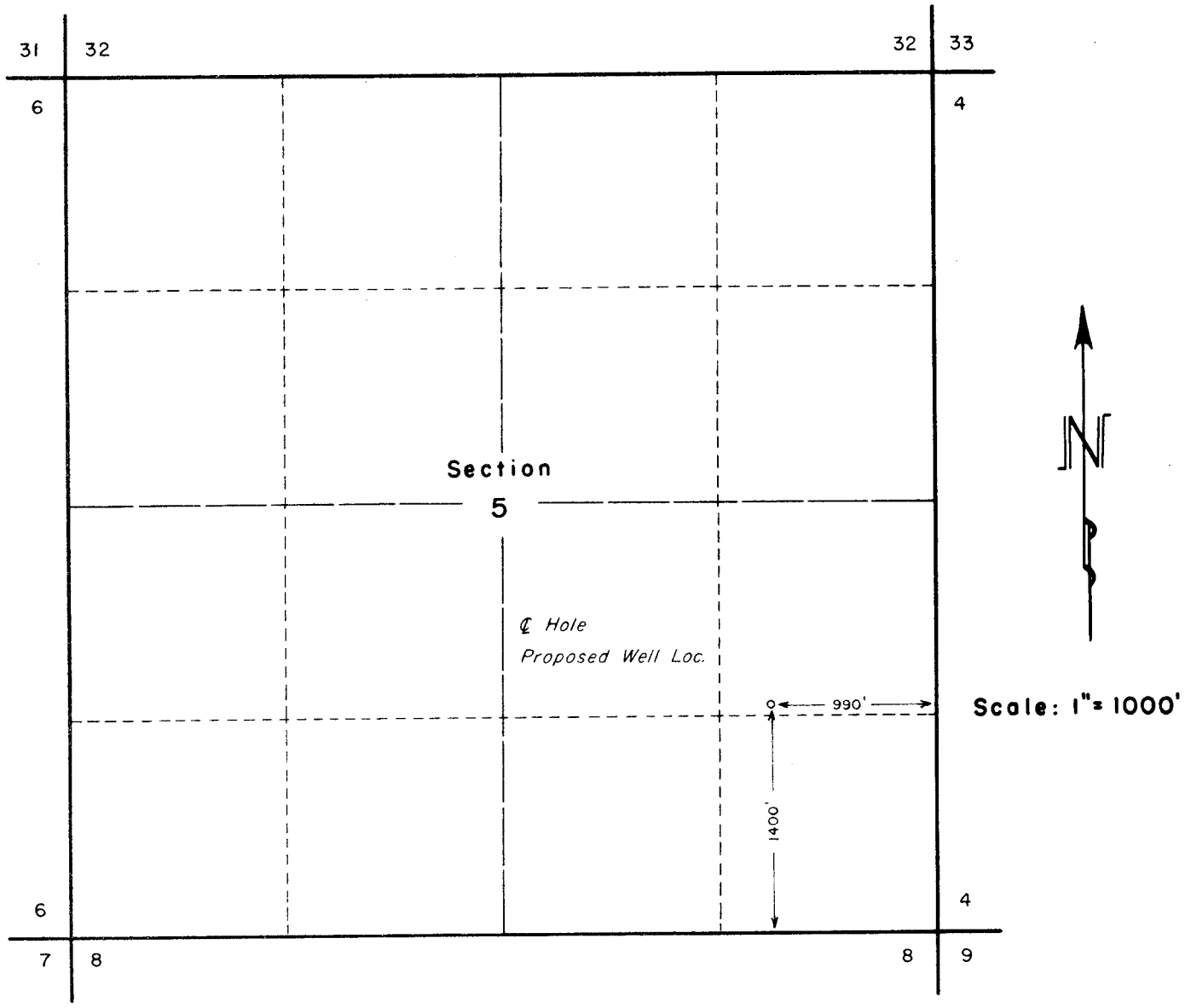
By D.D.Kingman

Title Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8

/lbc

CERTIFICATE OF SURVEY



WELL LOCATION: The Superior Oil Co., Navajo "B" No. 43-5

Located 1400 feet North of the South line and 990 feet West of the East line of Section 5
Township 41 South Range 24 East Salt Lake Meridian
San Juan County, Utah
Existing ground elevation determined at 4499 feet based on U.S.G.S. Datum

I hereby certify the above plat represents a survey made under my supervision and is accurate to the best of my knowledge and belief.

Elmer M. Clark

ELMER M. CLARK
Registered Land Surveyor
State of Utah (No. 2307)

Oct. 29, 1960

E.M. CLARK & ASSOCIATES
Durango, Colorado

File No. 60 666

BEFORE THE OIL AND GAS CONSERVATION COMMISSION

OF THE STATE OF UTAH

IN THE MATTER OF THE APPLICATION) OF THE SUPERIOR OIL COMPANY FOR AUTHORITY TO DRILL AN OFF PATTERN) WELL IN THE GREATER ANETH AREA IN SAN JUAN COUNTY, UTAH.)	O R D E R CAUSE NO. 36

This cause came on regularly for hearing on the 12th day of September, 1960, and on the 3rd day of October, 1960, and the following appearances were made: For Applicant Superior Oil Company: E. F. Patman and Brigham E. Roberts; for Texaco, Inc.: Clair M. Senior; for Standard Oil of California Western Operations, Inc.: Donald E. Schwinn; for Continental Oil Company: Gordon H. Mayberry; and for Humble Oil Company: William F. Livingston; and it further appearing that Notice of the Hearing on this Application of Superior Oil Company was duly and regularly published as required by law, and no one appearing in opposition or to protest said application, and it appearing that only Texaco, Inc., and Standard Oil of California Western Operations, Inc., have interests contiguous to the place where said well will be drilled and Texaco, Inc. have in writing waived any objection thereto and Standard Oil of California Western Operations, Inc. stated at the hearing that they had no objection to permitting the off pattern well herein authorized, and upon evidence duly submitted, and after due consideration and deliberation, now, therefor,

IT IS HEREBY ORDERED that the Applicant Superior Oil Company be, and it hereby is permitted and authorized to drill an off pattern well in the NE quarter of the SE quarter of Section 5, Township 41 South, Range 24 East, San Juan County, Utah, said well to be located as follows: 990' from the east line and 1400' from the south line of said Section 5.

IT IS FURTHER ORDERED that the Commission hereby retains jurisdiction of this Cause to make such further order, or orders, as may be reasonable.

DATED this 3rd day of October, 1960.

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

/s/ EDWARD W. CLYDE
EDWARD W. CLYDE, Presiding Commissioner

/s/ C. R. HENDERSON
C. R. HENDERSON, Chairman

/s/ M. V. HATCH
M. V. HATCH, Commissioner

/s/ WALTER G. MANN
WALTER G. MANN, Commissioner

/s/ C. S. THOMSON
C. S. THOMSON, Commissioner

November 3, 1960

The 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' 43-5, which is to be located 1400 feet from the south line and 990 feet from the east line of Section 5, Township 41 South, Range 24 East, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well on said unorthodox location is hereby granted in accordance with the order issued in Cause #36 on October 3rd, 1960, a copy of which is attached.

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

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

OLSON B. WRIGHT,
EXECUTIVE SECRETARY

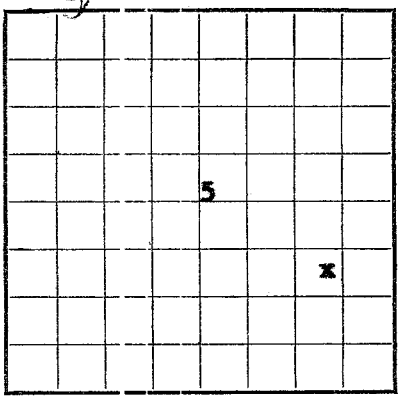
CBF:awg
cc: P. T. McGrath, Dist. Eng.
U. S. Geological Survey

H. L. Coonts - OGCC, Moab

Form 9-330

Bureau No. 42-R355.4.
Approval expires 12-31-60.

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. 43-5 Sec. 5 T. 41S R. 24E Meridian SLBM County San Juan
Location 1400 ft. {N./S} of S Line and 990 ft. {E/W} of E Line of Sec. 5 Elevation 4507 K.B. (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.

ORIGINAL SIGNED BY
Signed D. D. Kingman
Date January 5, 1961 Title Engineer

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

Commenced drilling November 16, 1960 Finished drilling December 17, 1960

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 5217 to 5372 No. 4, from to
No. 2, from 5372 to 5383 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 From—	Perforated To—	Purpose
9-5/8"	32.30#	8 Rd		91'	Float	None			Conductor
7"	23#	8 Rd		1455'	Float	None			Surface
4-1/2"	9.5#	8 Rd		5530'			5385	5350	Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	91'	100	Circulated to surface.		
7"	1455'	600	Circulated to surface.		
4-1/2"	5530'	250	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

FOLD | MARK

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

TOOLS USED

Rotary tools were used from Surface feet to 5530' feet, and from ..... feet to ..... feet

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

DATES

....., 19..... Put to producing December 29, 19 60

The production for the first 19½ hrs. test hours was *278 barrels of fluid of which 98.6% was oil; ..... % emulsion 1.4% water; and ..... % sediment. Gravity, °Bé. 40°

(20580/19½ hr test) (2 BOPH 19½ hr test)

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

4400' Hermosa
5217' Ismay
5372' Gothic Shale
5383' (-876) Desert Creek

FROM—	TO—	TOTAL FEET	FORMATION

[OVER]

FORMATION RECORD—Continued

16—43094-4

/njh

* This was a wrong gauge by Superior for a 24 hr. test as they had their BPHR wrong on the Supplementary Well History Report as corrected by R.L.S. on 1-11-61, so we used the 19½ hr. test as was on the Well History Report

Form 9-331 b
(April 1952)

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

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Window Rock

Allottee Navajo

Lease No. 14-20-603-368

SUNDRY NOTICES AND REPORTS ON WELLS

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

January 5, 1961

Well No. Navajo 'B' #43-5 is located 1400 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 5

NE SE 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 ~~derrick floor~~ above sea level is 4507 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: November 16, 1960
Completed: December 29, 1960
T.D.: 5530' PBTD: 5472'
Casing: 9-5/8" 32.30# Set at 91' w/100 sacks.
7" 23# Set at 1455' w/600 sacks.
4-1/2" 9.50# Set at 5530' w/250 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 ORIGINAL SIGNED BY D. D. Kingman

Title Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8

/njh

ELECTRIC LOG TOPS:

Hermosa	4400'	
Ismay	5217'	
Gothic Shale	5372'	
Desert Crk.	5383'	(-876)

PERFORATIONS: (Ismay Zone)

5335'-5350' w/4 jet shots/ft.

DRILL STEM TESTS: None

TREATMENTS:

12-27-60 Acid Job #1 (Perfs. 5335'-50', tbg. @ 5358', pkr. @ 5280'
200 gals. Spearhead Acid & 1500 gal. Retard Acid.
F. P. - 4600#/2400#. 1/2 BPM inj. rate. Max press. 5800#/2400#
Flush inj. rate - 3 BPM

TUBING:

2" 4.70# J-55 R-2 8Rd EUE Spang Smls.	5453'
Pump Shoe	5411'
Baker Compensator	5314'

39' x 1" Gas Anchor below pump shoe
10' perf'd pup one jt. off bottom. Bottom jt. bull plugged.

INITIAL PRODUCTION: 12-29-60

Flowed 208 bbls fluid in 19½ hrs.
Cut 1.4% water, gravity 40°, 110#/pkr.
42/64" and 36/64" choke. Average BPHR ~~11.60~~ *10.60, BPDR-278.40

* Correction made by Robert L. Schmidt, Chief Pet. Eng., on 1-11-61.

Copy to N C STATE

Form 9-331 b
(April 1952)

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

RLS

	5		
			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Window Rock

Allottee Navajo

Lease No. 14-20-603-368

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
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NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	X	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			
Notice of intention to recomplete	X		

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

April 7, 19 61

Navajo 'B' Well No. 43-5 is located 1400 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 5

NE NE Sec. 5 (¼ Sec. and Sec. No.) 41S (Twp.) 24E (Range) SLB&M (Meridian)

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

The elevation of the derrick floor above sea level is 4507 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)

Propose to perforate the following Desert Creek intervals:

5391' - 97'
5407' - 09'
5418' - 25'
5429' - 34'
5437' - 49'

Will treat with 300 gallons Spearhead acid followed with 5,000 galons retarded acid.

Both Ismay & Desert Creek will be produced simultaneouslya.

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 Original Signed By D. D. Kingman

Title Engineer

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8

Form 9-331 b
(April 1952)

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

	5		
			x

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Window Rock

Allottee Navajo

Lease No. 14-20-603-368

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

April 17, 19 61

Navajo 'B'
Well No. 43-5 is located 1400 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 5

NE NE 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 derrick floor above sea level is 4507 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)

4-6-61 Perforated Desert Creek Zone with 3 Torpedo Jets per ft. from 5391-97', 5407-09', 5418-25', 5429-34', 5437-49'.

Acid Job #2: (Perfs 5391-5449', tbg. @ 5450', pkr. @ 5370')
300 gal. BDA, 5,000 gal Retarded Acid in 3 stages using 2 temp. plugs.
Max. press. 3900#/pkr. Inj. rate 1.1 BPM.

4-7-61 Reran 173 jts. 2" 4.70# J-55 R-2 8rd EUE Spang smls. 5450'
Seating Nipple at 5409'
Baker Comp. at 5375'
Gas Anchor 1" x 39' hung from seating nipple.
10' perf'd pup 1 jt. off bottom. Bottom jt. bull plugged.

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

(Cont'd)

Company The Superior Oil Company

Address P. O. Drawer 'G'

Cortez, Colorado

By ORIGINAL SIGNED BY W. M. Ramsburg

Title Engineer

WMR/nh

U. S. GOVERNMENT PRINTING OFFICE 16—8437b-8

INITIAL PRODUCTION

4-9-61 Pumped 50 bbl. in 19 hrs. Gty. 39.0, cut 5%, press 80#/50#, BPH 2.63, BPD 63.12.

Form 9-331 b
(April 1952)

Copy H. L. C.

(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. 14-20-603-368

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
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NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			
Notice of Intention to Squeeze	X		

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

Isolate perforations at 5335-50', drill out, perforate 40' Desert Creek & convert to water injection.

Cortez, Colorado March 18, 1963

Rutherford Unit (formerly Superior Oil Co. Navajo B 43-5)

Well No. 5-43 is located 1400 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 5

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

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

The elevation of the derrick floor above sea level is 4507 ft. KB

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, run Halliburton DM bridge plug on bottom of Halliburton RTTS tool. Set plug at 5370'. Pull up above Isolate perforations and set RTTS tool at 5320'. Break down, mix 50 sks common cement and squeeze perforations 5335-50 with holding pressure of 1500# maximum, 1000# minimum. Circulate out. Drill out cement and bridge plug. Drill cement plug from plugged back TD of 5472' to 5515' using gelled water. Displace drilling fluid with clean water. Jet perforate Desert Creek zone with 4 holes/foot from 5460-66, 5469-99, 5502-06. Run 2⅜" Marlex plastic lined tubing with Baker Tension packer set at approximately 5365' (15' below squeezed perforations) and convert to water injection well. Present production: 22 BO, 49 MCF, 0 water in 24 hours - 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 C. M. Boles

Title Dist. Supt.

Form 9-331 b
(April 1952)

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

(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	
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NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

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

Cortez, Colorado September 23, 1963

Ratherford Unit

Well No. 5W43 is located 1400 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 5

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

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

The elevation of the derrick floor above sea level is 4507 ft. KB

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)

Acidized Water Injection well on 9-5-63 with 2000 gallons regular 15% acid, 300 gallons Sol Block and 3000 gallons regular 15% acid. Well started taking water O.K.

Present Injection rate: Injected 4950 BW in 24 hours at 0# - 34/64" choke - Greater Aneth Field, Paradox formation, Desert Creek zone.

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

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150
Cortez, Colorado

By C. M. Boles
C. M. Boles
Title District Superintendent

Copy H. L. C.

Form 9-331 b
(April 1952)

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

(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	
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NOTICE OF INTENTION TO REDRILL OR REPAIR WELL		SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report to Squeeze Ismay perforations at 5335-50', drill out, perforate 40' Desert Creek & convert to Water Inj.	X

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

Sup

Ratherford Unit (Formerly Ratherford Unit 5-43) Cortez, Colorado September 23, 1963

Well No. 5W43 is located 1400 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 5

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

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

The elevation of the derrick floor above sea level is 4507 ft. KB

DETAILS OF WORK

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

Converted well to Water Injection Well (6-17-63 through 6-25-63). Ran Bridge Plug and packer, squeezed Ismay perforations 5335-50' with 20 sacks at 3000#, drilled out cement, bridge plug, and junk in hole to new PBTD 5515'. Perforated Desert Creek 5460-66, 5469-99 and 5502-06'. Shut down 6-26-63 through 8-5-63. 8-6-63 through 9-7-63 - Ran 2½" tubing with Harlex Liner and Tension packer, hooked well up for injection, started injecting water 8-8-63. Changed well classification from pumping oil well to Water Injection Well and changed number from 5-43 to 5W43.

Present Injection Rate: Well took 31 BW and would not take any more at 450#. (Greater Aneth Field, Paradox formation, Desert Creek Zone)

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

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150
Cortez, Colorado

By C. M. Boles

Title District Superintendent

Copy to NMC

Form 9-331 b
(April 1952)

Form approved.
Budget Bureau No. 42-R359.4.

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

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

Cortez, Colorado August 20, 1963

Ratherford Unit (Formerly Ratherford Unit 5-43)

Well No. 5W43 is located 1400 ft. from {N/S} line and 990 ft. from {E/W} line of sec. 5

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

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

The elevation of the derrick floor above sea level is 4507 ft.

DETAILS OF WORK

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

Acidize Water Injection Well with 2,000 gallons 15% regular, 300 gallons Sol-Block, and 3,000 gallons regular 15% acid.

Present Production: Well will not take water at 450#.

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

Company PHILLIPS PETROLEUM COMPANY

Address P. O. Drawer 1150
Cortez, Colorado

By C. M. Boles

Title District Superintendent

U.S. GOVERNMENT PRINTING OFFICE 16—8437b-9

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-368

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo

1. OIL WELL ☐ GAS WELL ☐ OTHER: Water Injection Well

7. UNIT AGREEMENT NAME: SW-I-4192

2. NAME OF OPERATOR: Phillips Petroleum Company

8. FARM OR LEASE NAME: Satherford Unit

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

9. WELL NO.: 343

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1400' FSL, 990' FEL, Section 5

10. FIELD AND POOL, OR WILDCAT: Greater Aneth

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

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4507 KB

12. COUNTY OR PARISH: San Juan STATE: Utah

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	X	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.) *

In attempt to increase injectivity acidize well with 1000 gallons 15% acid and return to injection service.

Present Injection Rate: 700 BWPD at 500#.

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

SIGNED: C. H. Boles TITLE: Dist. Supt. DATE: 9-9-65

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

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
1400' FSL, 990' FEL, Section 5

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4507 KB

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-368

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
SW-I-4192

8. FARM OR LEASE NAME
Aneth Unit

9. WELL NO.
543

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

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

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	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐ X	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.) *

In attempt to increase injectivity acidize well with 1000 gallons 15% acid and return to injection service.

Present Injection Rate: 700 BWPD at 500#.

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

SIGNED C. H. Miles TITLE Dist. Supt. DATE 9-9-65

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-368

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.: 5W43

10. FIELD AND POOL, OR WILDCAT: Greater Aneth

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

12. COUNTY: San Juan

13. STATE: Utah

1. OIL WELL ☐ GAS WELL ☐ OTHER: Water Injection

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: 1400' FSL, 990' FEL, Section 5

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4507 KB

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	X	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.)*

On September 14, 1965 acidized water injection well with 1000 gallons 15% regular acid with 2 gallons of I-5 additive down tubing.

Previous Injection Rate: 700 BWPD at 500#. (Desert Creek Zone, Paradox Formation).

Present Injection Rate: 1000 BWPD on vacuum. (Desert Creek Zone, Paradox Formation).

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

SIGNED: C. H. Bolen TITLE: District Superintendent DATE: 9/24/65

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. NAME OF OPERATOR
Phillips Petroleum Company Superior.

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
1400' FSL, 990' FEL, Sec. 5-41S-24E

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-368

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.
5W43

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-41S-24E SLBM

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4507 KB

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	X	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 2 stages to improve water receptivity.

Prev. Injection Rate: 596 BWPD at 1625#.

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

SIGNED C. M. Boles TITLE District Superintendent DATE 10-14-68

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Copies: Orig. & 2cc: USGS, Farmington, N.M.
~~2cc: Utah O&GCC, SLC~~
1cc: Bville
1cc: Denver
1 cc: File

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-368

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.: 5W43

10. FIELD AND POOL, OR WILDCAT: Greater Aneth

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

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
1400' FSL, 990' FEL, Sec. 5-41S-24E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4507 KB

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	X	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 2 stages to improve water receptivity.

Prev. Injection Rate: 596 BWPD at 1625#.

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

SIGNED: C. H. Boles TITLE: District Superintendent DATE: 10-14-68

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Copies: Orig. & 2cc: USGS, Farmington, N.M.
2cc: Utah O&GCC, SLC
1cc: Bville
1cc: Denver
1 cc: File

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P.O. Drawer 1150, Cortez, Colo. 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1400' FSL, 990' FEL, Sec. 5-41S-24E

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-368

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.
5W43

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
5-41S-24E SLBM

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4507 KB

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	X	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.) *

On October 31, 1968 acidized Desert Creek Zone I and II perforations 5391-97, 5407-09, 5418-25, 5429-34, 5437-49, 5460-66, 5469-99 and 5502-06' through 2⅞" 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: Injected 596 BWPD at 1625#.

PRESENT INJECTION RATE: Injected 3952 BWPD on vacuum.

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

SIGNED C. N. 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, Utah
1 cc: B'ville
1 cc: Denver
1 cc: Superior, Cortez 1 cc: File

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.
[redacted]

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
[redacted]

7. UNIT AGREEMENT NAME
[redacted]

8. FARM OR LEASE NAME
Rutherford Unit

9. WELL NO.
[redacted]

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

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

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

2. NAME OF OPERATOR
Phillips Petroleum Company

3. ADDRESS OF OPERATOR
P.O. Drawer 1150, Cortez, Colo. 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1400' FSL, 990' FEL, Sec. 5-41S-24E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4507 KB

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	X	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.) *

On October 31, 1968 acidized Desert Creek Zone I and II perforations 5391-97, 5407-09, 5418-23, 5429-34, 5437-49, 5460-66, 5469-99 and 5502-06' through 2⅞" 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: Injected 596 BWPD at 1625#.

PRESENT INJECTION RATE: Injected 3952 BWPD on vacuum.

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

SIGNED C. E. Bolen 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 OGCC, Salt Lake City, Utah
1 cc: B'ville
1 cc: Denver
1 cc: Superior, Cortez 1 cc: File

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-368

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo - Tribal

1. OIL WELL ☐ GAS WELL ☐ OTHER: Water Injection Well

7. UNIT AGREEMENT NAME: SW-I-4192

2. NAME OF OPERATOR: Phillips Petroleum Company

8. FARM OR LEASE NAME: Ratherford Unit

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

9. WELL NO.: SW43

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 1400' FSL & 990' FEL

10. FIELD AND POOL, OR WILDCAT: Greater Aneth - Paradox

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

RECEIVED NOV 18 1975 DIVISION OF OIL, GAS, & MINING

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4507' 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	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	XX	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.) *

See Attached.

OK
R. Duncan

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

SIGNED: F. C. Morgan — TITLE: Area Superintendent — DATE: 11/12/75

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

3-USGS, Farmington, NM
~~2-Utah OGCC, SLC, Utah~~
1-File
1-Superior Oil Co., Cortez CO
1-R. N. Hughes

*See Instructions on Reverse Side

I AL REPORT INDIVIDUAL WELL ST/ S

Lease Ratherford Unit Well No. 5W43 Authorization No. Expense

Summary of Work Performed:

9/9/75 Acidized w/1000 gals 15% HCL.

AVERAGE DAILY PRODUCTION

	Field and Formation	Oil	Gas	Water
Before Work	Greater Aneth Paradox Desert Creek Zone 1 & 2	Injected 600 BW in 24 hrs at 1500#		
After Work	" " " " "	Injected 2592 BW in 24 hrs on vacuum		
Before Work				
After Work				

DATE P.T.D.

DAILY REPORT OF WORK PERFORMED

RATHERFORD UNIT NO. 5W43 PTD 5515. /INITIAL AND FINAL REPORT/ RU DOWELL TO ACIDIZE 9/9/75. PU ON ANNULUS TO 600 LB. BLED TO 0 LB IN 8 MIN STARTED PMPG 15 PERCENT ACID DN TBG, 1-1/2 BPM AT 2100 LB. MASTER GATE ON WELLHEAD STARTED LEAKING W/294 GAL ACID PMPD. SD. REPLACED VALVE. RESUMED PMPG, 1 BPM AT 1900-2300 LB. PMPD 1000 GAL 15 PERCENT HCL W/2 GAL W-35. DISPLD ACID W/48 BW. PRESS BROKE FROM 2 BPM AT 1900 LB TO 2 BPM AT 900 LB W/48 BW PMPD. SD. ISIP 0 LB. INJ. RATE BEFORE - 600 BPD AT 1500 LB. AFTER JOB - 2592 BPD, ON VAC. AUTHORITY EXPENSE. LOCATION 1400 FT FSL AND 990 FT FEL, SEC. 5-T41S-R24E, GREATER ANETH FIELD, SAN JUAN CO., UTAH. SUB AREA CODE 626. ELEV. 4507 RKB. /FINAL REPORT/..

1-Bville
1-Denver
1-File
1-R. N. Hughes
1-G. R. Hudson

November 12, 1975
Date Prepared

F C M Organ
District Approval

Form 903 8-69

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-368

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo - Tribal

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

7. UNIT AGREEMENT NAME: SW-I-4192

2. NAME OF OPERATOR: Phillips Petroleum Company

8. FARM OR LEASE NAME: Ratherford Unit

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

9. WELL NO.: SW43

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1400' FSL & 990' FEL

10. FIELD AND POOL, OR WILDCAT: Greater Aneth - Paradox

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 5-41S-24E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4507' 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	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	XX	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.) *

o K - [illegible]

See Attached.

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

SIGNED F. C. Morgan TITLE Area Superintendent DATE 11/12/75

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

3-USGS, Farmington, NM
~~2-Utah O&GCC, SLC, Utah~~
1-File
1-Superior Oil Co., Cortez CO
1-R. N. Hughes

*See Instructions on Reverse Side

AL REPORT INDIVIDUAL WELL ST S

Lease Ratherford Unit Well No. 5W43 Authorization No. Expense

Summary of Work Performed:

9/9/75 Acidized w/1000 gals 15% HCL.

AVERAGE DAILY PRODUCTION

	Field and Formation	Oil	Gas	Water
Before Work	Greater Aneth Paradox Desert Creek Zone 1 & 2	Injected 600 BW in 24 hrs at 1500#		
After Work	" " " " "	Injected 2592 BW in 24 hrs on vacuum		
Before Work				
After Work				

DATE P.T.D.

DAILY REPORT OF WORK PERFORMED

RATHERFORD UNIT NO. 5W43 PTD 5515. /INITIAL AND FINAL REPORT/ RU DOWELL TO ACIDIZE 9/9/75. PU ON ANNULUS TO 600 LB. BLED TO 0 LB IN 8 MIN STARTED PMPG 15 PERCENT ACID DN TBG, 1-1/2 BPM AT 2100 LB. MASTER GATE ON WELLHEAD STARTED LEAKING W/294 GAL ACID PMPD. SD. REPLACED VALVE. RESUMED PMPG, 1 BPM AT 1900-2300 LB. PMPD 1000 GAL 15 PERCENT HCL W/2 GAL W-35. DISPLD ACID W/48 BW. PRESS BROKE FROM 2 BPM AT 1900 LB TO 2 BPM AT 900 LB W/48 BW PMPD. SD. ISIP 0 LB. INJ. RATE BEFORE - 600 BPD AT 1500 LB. AFTER JOB - 2592 BPD, ON VAC. AUTHORITY EXPENSE. LOCATION 1400 FT FSL AND 990 FT FEL, SEC. 5-T41S-R24E, GREATER ANETH FIELD, SAN JUAN CO., UTAH. SUB AREA CODE 626. ELEV. 4507 RKB. /FINAL REPORT/..

1-Bville
1-Denver

1-File
1-R. N. Hughes
1-G. R. Hudson

November 12, 1975
Date Prepared

District Approval

Form 903 8-69

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

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

IN THE MATTER OF THE APPLICATION OF
PHILLIPS PETROLEUM COMPANY
ADDRESS P.O. BOX 2920
CASPER, WYOMING ZIP 82602
INDIVIDUAL ___ PARTNERSHIP X CORPORATION ___
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR INJECT FLUID INTO THE 5W43 WELL
SEC. 5 TWP. 41S RANGE 24E
SAN JUAN COUNTY, UTAH

CAUSE NO. C-3(B)

ENHANCED RECOVERY INJ. WELL	☒
DISPOSAL WELL	☐
LP GAS STORAGE	☐
EXISTING WELL (RULE I-4)	☒

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:
1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced rcovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name: Ratherford Unit	Well No.: 5W43	Field: Greater Aneth	County: San Juan
Location of Enhanced Recovery Injection or Disposal Well: 5W43	Sec. 5	Twp. 41S	Rge. 24E
New Well To Be Drilled Yes ☐ No ☒	Old Well To Be Converted Yes ☐ No ☒	Casing Test Yes ☒ No ☐ Date 5-83	
Depth-Base Lowest Known Fresh Water Within ½ Mile: Wingate 1550'	Does Injection Zone Contain Oil-Gas-Fresh Water Within ½ Mile YES ☒ NO ☐	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 (5567'), San Juan River (Surface)		
Geologic Name of Injection Zone: Desert Creek I & II	Depth of Injection Interval 5391 to 5506		
a. Top of the Perforated Interval: 5391	b. Base of Fresh Water: 1550'	c. Intervening Thickness (a minus b): 3841	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES NO	See Attachment #4		
Lithology of Intervening Zones: See Attachment #1			
Injection Rates and Pressures: Maximum 1164 (12/82) B/D; 1700 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
Superior Oil, P.O. Box 4530, The Woodlands, TX 77380
Texaco Inc., P.O. Box 2100, Denver, CO 80201
Southland Royalty, 1000 Fort Worth Club Tower, Fort Worth, TX 76102

State of Wyoming)
County of Natrona)

PHILLIPS PETROLEUM COMPANY
Applicant

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

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

SEAL

DONALD L. HUDSON - Notary Public
County of Natrona
State of Wyoming
My Commission Expires Nov. 3, 1986

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

My commission expires Nov. 3, 1986

OVER

FORM DOGM-UIC-1 (continued)

INSTRUCTIONS

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitive 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 he 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	9-5/8"	77'	100	Surface	Returns
Intermediate	7"	1444.2'	600	Surface	Returns
Production	4-1/2"	5515.73'	250	952	4567
Tubing	2"	5162	Name - Type - Depth of Tubing Packer: Baker AD		5162'

Total Depth	Geologic Name - Inj. Zone	Depth - Top of Inj. Interval	Depth - Base of Inj. Interval
5515	Desert Creek I & II	5391'	5506'

FORM DOGM-UIC-2
(Rule I-5 (b) 2
(Revised 1982)

PLEASE TYPE OR USE BLACK INK ONLY

(To be filed within 30 days after drilling is completed)

LEASE NO. 14-20-603-368

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

API NO. 43-037-16392

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

640 Acres
N
W E
S
Locate Well Correctly and Outline Lease

COUNTY San Juan SEC. 5 TWP. 41S RGE. 24E

COMPANY OPERATING Phillips Petroleum Company

OFFICE ADDRESS P.O. Box 2920

TOWN Casper STATE ZIP Wyoming 82602

FARM NAME _____ WELL NO. 5W43

DRILLING STARTED 11-16 1960 DRILLING FINISHED 12-17 1960

DATE OF FIRST PRODUCTION 12-29-60 COMPLETED 12-29-60

WELL LOCATED NE ¼ NE ¼ ____ ¼

1400 FT. FROM SL OF ¼ SEC. & 990 FT. FROM EL OF ¼ SEC.

RKB ELEVATION ~~DERRICK FLOOR~~ 4507' GROUND 4497'

TYPE COMPLETION

Single Zone _____

Multiple Zone X

Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Ismay	5217	5372			
Desert Creek I	5391	5434			
Desert Creek II	5437	5506			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
9-5/8"	32.3#	H-40	77	No Test	100		Surface
7"	23#	J-55	1444.2	800'	600		Surface
4-1/2"	9.5#	J-55	5519.73	1500'	250	952	4567

TOTAL DEPTH 5515'

PACKERS SET DEPTH Baker AD Pkr set at 5162'

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

	1	2	3
FORMATION	Desert Creek I&II		
SPACING & SPACING ORDER NO.	40 acre Cause #C-3(B)		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED INTERVALS	5391-5397	5437-5449	
	5407-5409	5460-5499	
	5418-5425	5502-5506	
	5429-5434		
ACIDIZED?	5/ 8/81 1200 Gal 28%		
	HCL		
FRACTURE TREATED?	No		

INITIAL TEST DATA: Squeeze Ismay (5335-50) Converted to Injector 6/25/63

Date	6/25/63		
Oil, bbl./day	--		
Oil Gravity	--		
Gas, Cu. Ft./day	-- CF	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	--		
Water-Bbl./day	4950		
Pumping or Flowing	Flowing		
CHOKE SIZE	34/64"		
FLOW TUBING PRESSURE	Vacuum		

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

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

Telephone 307-237-3791 A.E. Stuart, Area Manage

Name and title of representative of company

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

SEP 22 '83

Casper

WELL: SW43

LOCATION: NENE Sec [illegible] - T41S - R24E

FIELD: GREATER ANETH

RESERVOIR: Desert Creek I+II

COMPLETION: 6·25·63

PRESENT STATUS: W.I.

RKB 4507'

GL 4497'

77'

SURFACE CASING: 9 5/8" 32.3# H-40

INTERMEDIATE CASING: 7" 23# J-55

PRODUCTION CASING: 4 1/2" 9.5# J-55

1444.2'

PERFORATIONS:

5391 - 5397

5407 - 5409

5418 - 5425

5429 - 5434

5437 - 5449

5460 - 5499

5502 - 5506

PACKER: Baker Model "AD"

Pkr @ 5162'

Tubing: 2" @ 5162'

5162'

5391-

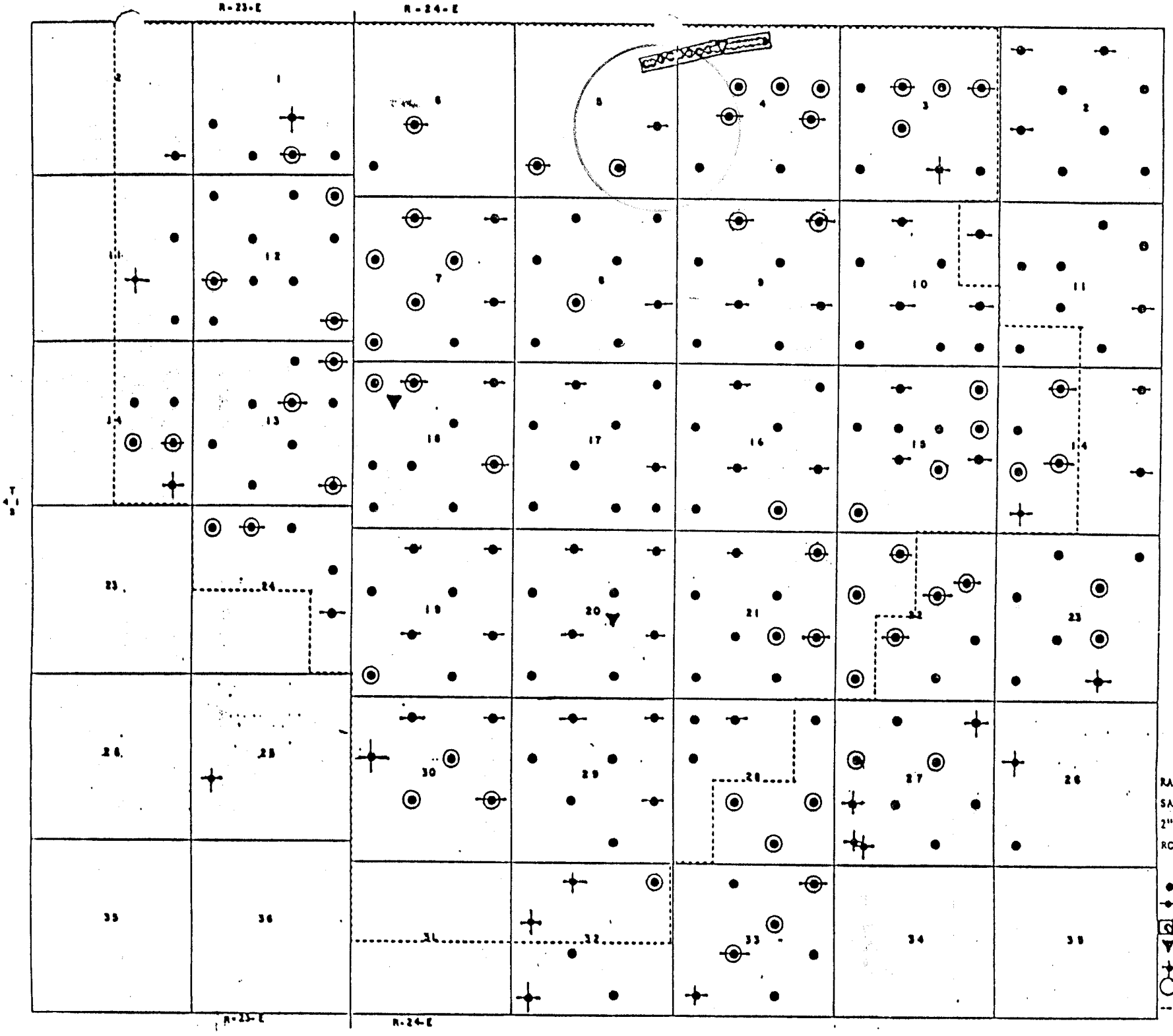
5506

PBTD: —

OTD: 5515

5515'

Phillips Petroleum Company


R-23-E
R-24-E
T 41 S
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 boundry

ATTACHMENT 3a:

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	mg/l	meq/l	Anions	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

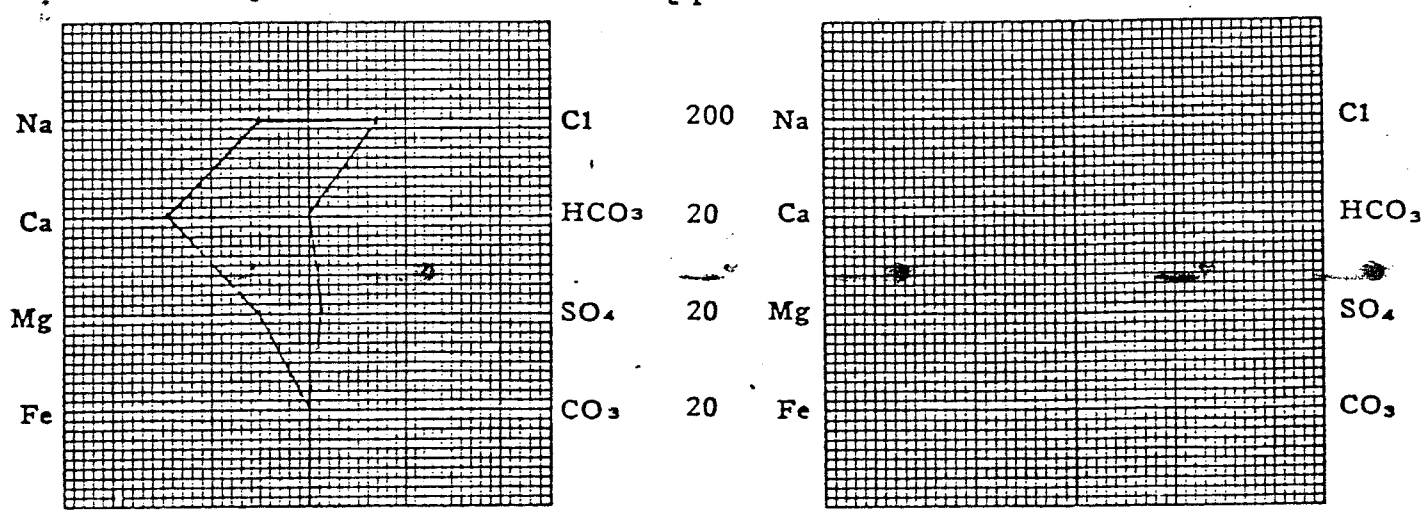
Total dissolved solids, mg/l 85655
NaCl equivalent, mg/l 86344
Observed pH 7.4

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

WATER ANALYSIS PATTERN

Sample above described

Scale
MEQ per Unit



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

Formation Water

ATTACHMENT 3b:

CL1-12A (REV. 1964).

CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794
Casper, Wyoming

WATER ANALYSIS REPORT

OPERATOR Phillips Petroleum Company
WELL NO. Ratherford Unit
FIELD
COUNTY San Juan
STATE Utah

DATE 7-22-83 LAB NO. W30636
LOCATION
FORMATION
INTERVAL
SAMPLE FROM Battery #1 Free water knockout (7-5-83) @ 10:35 S/N 28568

REMARKS & CONCLUSIONS:

Cations	mg/1	meq/1
Sodium	30147	1311.38
Potassium	429	10.98
Lithium	--	--
Calcium	6865	342.56
Magnesium	1738	124.86
Iron	--	--
Total Cations		1807.78

Anions	mg/1	meq/1
Sulfate	1380	28.70
Chloride	63000	1776.60
Carbonate	0	0.00
Bicarbonate	151	2.48
Hydroxide	--	--
Hydrogen sulfide	--	--
Total Anions		1807.78

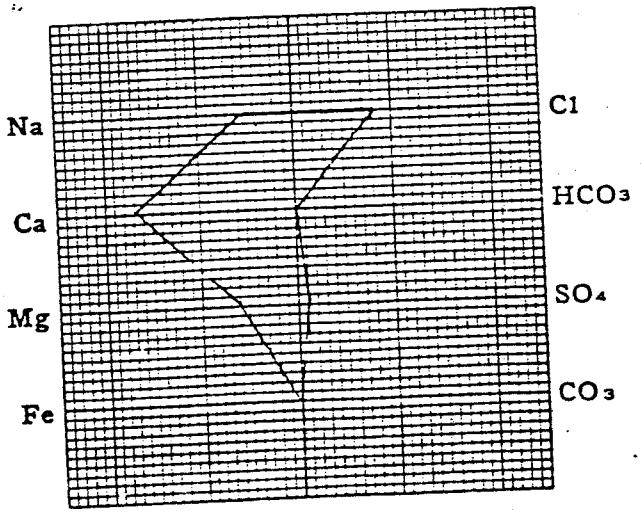
Total dissolved solids, mg/1	103633
NaCl equivalent, mg/1	104549
Observed pH	7.3

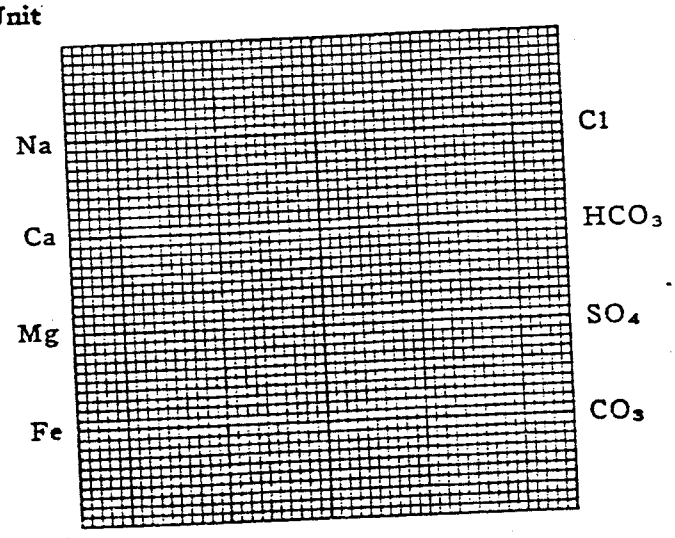
Specific resistance @ 68°F.:
Observed 0.087 ohm-meters
Calculated 0.078 ohm-meters

WATER ANALYSIS PATTERN

Sample above described

Scale
MEQ per Unit





(Na value in above graphs includes Na, K, and Li)
NOTE: Mg/1 = Milligrams per liter Meq/1 = Milligram equivalents per liter
Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Phillips Well No. Rutherford 5W43

County: San Juan T 41S R 24E Sec. 5 API# 43-037-16392

New Well ___ Conversion ___ Disposal Well ___ Enhanced Recovery Well X

	YES	NO
UIC Forms Completed	✓	
Plat including Surface Owners, Leaseholders, and wells of available record	✓	
Schematic Diagram	✓	
Fracture Information	✓	
Pressure and Rate Control	✓	
Adequate Geologic Information	✓	
Fluid Source	Owens Creek	
Analysis of Injection Fluid	Yes ✓	No ___ TDS 85455
Analysis of Water in Formation to be injected into	Yes ✓	No ___ TDS 103633
Known USDW in area	Navajo	Depth 1550
Number of wells in area of review	3	Prod. 2 P&A 0
		Water 0 Inj. 1
Aquifer Exemption	Yes ___	NA ✓
Mechanical Integrity Test	Yes ___	No ✓
	Date ___	Type ___

Comments: TOC 4567

Reviewed by: [illegible]

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

OPERATOR: Phillips Petroleum

FIELD: Greater Aneth LEASE: Rutherford

WELL # 5W43 SEC. 5 TOWNSHIP 41S RANGE 24E

STATE (FED) FEE DEPTH 5515 TYPE WELL INJW MAX. INJ. PRESS. 1700

TEST DATE 6/17/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
SURFACE	9 5/8"	77	100			Check in near future
INTERMEDIATE	7"	1444	600	550	gas pressure	
PRODUCTION	4 1/2"	5515	250		May have small leak.	
TUBING	2"	5162		1700 ~~750~~		
	Baker Model AD					

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
SURFACE						
INTERMEDIATE						
PRODUCTION						
TUBING						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
SURFACE						
INTERMEDIATE						
PRODUCTION						
TUBING						

Form 3160-5
(November 1983)
(Formerly 9-331)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SW-I-4192

1. OIL WELL ☐ GAS WELL ☐ OTHER WATER INJECTION & WATER SUPPLY WELLS

7. UNIT AGREEMENT NAME: RATHERFORD UNIT #7960041920

2. NAME OF OPERATOR: PHILLIPS PETROLEUM COMPANY

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: 152 N. DURBIN, 2ND FLOOR, CASPER, WYOMING 82601

9. WELL NO.: VARIOUS (see attached)

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

10. FIELD AND POOL, OR WILDCAT: GREATER ANETH

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sections 1 thru 30 T41S - R23E & 24E

RECEIVED MAR 20 1989 DIVISION OF OIL, GAS & MINING

14. PERMIT NO.

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

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	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) CHANGE OF OWNERSHIP			XX
(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.)*

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

(former Operator - Phillips Oil Company)

41-24-5 037-16392

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

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DOWNHOLE SCHEMATIC

Date: 8/6/87

Rutherford Unit # 5W43

Location NE NE Sec. 5 T41S-R24E

RKB Elev. 4507'

GL Elev. 4499'

RKB Above GL' 8'

Well Drld 12/17/60

Well Converted to injector 6/25/63

Conductor Csg 9 5/8 @ 91'

Surface Csg. 7 @ 1455'

TOC 3500' CALC.

Tubing 2 @ 5162' Marlex lined

Packer Baker Lok-Set @ 5162

Perfs			
5391 - 97		5437 - 49	
5407 - 09		5460 - 66	
5415 - 25		-	
5429 - 34		-	

PBTD 5470'

Production Csg. 4 1/2 @ 5530'

J-55 10.5#

All Perfs Zone I unless noted

Form 9

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

6. Lease Designation and Serial Number: 14-20-603-368

7. Indian Allottee or Tribe Name: Navajo Tribal

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals.

RECEIVED FEB 18 1992 DIVISION OF OIL, GAS & MINING

8. Unit or Communitization Agreement: Ratherford Unit SW-I-4192

1. Type of Well: ☐ Oil Well ☐ Gas Well ☒ Other (specify) Injector

9. Well Name and Number: 5-W-43

2. Name of Operator: Phillips Petroleum Company

10. API Well Number: 43-037-16392

3. Address of Operator: 5525 Hwy 64, NBU 3004, Farmington, NM 87401

4. Telephone Number: (505) 599-3400

11. Field and Pool, or Wildcat: Greater Aneth

5. Location of Well
Footage : 1400' FSL & 990' FEL
QQ, Sec, T., R., M. : Sec.5, T41S, R24E
County : San Juan
State : UTAH

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

NOTICE OF INTENT (Submit in Duplicate)

- ☐ Abandonment
- ☐ Casing Repair
- ☐ Change of Plans
- ☐ Conversion to Injection
- ☐ Fracture Treat
- ☐ Multiple Completion
- ☐ Other
- ☐ New Construction
- ☐ Pull or Alter Casing
- ☐ Recompletion
- ☐ Shoot or Acidize
- ☐ Vent or Flare
- ☐ Water Shut-Off

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- ☐ Abandonment *
- ☐ Casing Repair
- ☐ Change of Plans
- ☐ Conversion to Injection
- ☐ Fracture Treat
- ☐ Other
- ☐ New Construction
- ☐ Pull or Alter Casing
- ☐ Shoot or Acidize
- ☐ Vent or Flare
- ☐ Water Shut-Off

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ANNUAL STATUS REPORT

A preliminary review of this shut-in injection well indicates that it may be feasible to reactivate. This well was shut-in due to a fish at 1826'. We will submit our plan of action after completing the feasibility study to reactivate.

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

Name & Signature L.E. Robinson L.E. Robinson Title Sr.Drlg.&Prod.Engr. Date 2-11-92

(State Use Only)

(8/90)

See Instructions on Reverse Side

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

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

6. If Indian, Allottee or Tribe Name: Navajo Tribal

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

8. Well Name and No.: Ratherford Unit #5W43

9. API Well No.: 43-037-16292

10. Field and Pool, or Exploratory Area: Greater Aneth

11. County or Parish, State: San Juan, Utah

1. Type of Well: ☐ Oil Well ☐ Gas Well ☒ Other Water Injector

2. Name of Operator: Phillips Petroleum Company

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 1400' FSL & 990' FEL Sec. 5, T41S, R24E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☒ Abandonment	☐ Change of Plans
	☐ Recompletion	☐ New Construction
☐ Subsequent Report	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

This shut-in injection well cannot be economically reactivated. Attached is a copy of the proposed P&A procedure.

Accepted by the State of Utah Division of Oil, Gas and Mining
Date: 10-26-92
By: [signature]

RECEIVED
OCT 19 1992
DIVISION OF OIL GAS & MINING

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

Signed L. E. Robinson Title Sr. Drlg. & Prod. Engr. Spec. Date 10-13-92

(This space for Federal or State office use)

Approved by Federal Approval of this Action is Necessary Title _____ Date _____

Conditions of approval, if any:

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

*See Instruction on Reverse Side

RATHERFORD UNIT 5W43
PLUG AND ABANDONMENT PROCEDURE
SEPTEMBER 23, 1992

Safe operations are of utmost importance at all Phillips Petroleum Company properties and facilities. To further this goal, the Phillips Supervisor at the location shall request tailgate safety meetings prior to initiation of work and also prior to any critical operations. These tailgate safety meetings shall be attended by all Company, contract, and service personnel then present at the location. All parties shall review proposed upcoming steps, procedures, and potentially hazardous situations. Occurrence of these meetings shall be recorded in the Daily Report.

Formation Tops: Chinle 1307′
Hermosa 4405′

1. Notify Mark Kelly (505-599-8907) with the BLM and at least 24 hours prior to commencement of operations. Also notify Ken Lingo (505-327-6818) with the EPA to witness operations (48 hours notice)

2. MI & RU DDU. Monitor well for H_2S. Install BOP′s.

3. Pick up fishing tools and TIH on 2 3/8", 6.5#, N80, Fish tubing and packer out of hole. Lay down all subsurface equipment. Fish for equipment one day. If substantial progress has not been made contact Warren Heuman at Phillips office (505-599-3455). A decision will be made to P&A at this point.

4. Pick up cement retainer and TIH. Set cement retainer at 5300′. Establish injection rate and pressure. Mix and pump 50 SK premium cement into perforations and to fill casing. Sting out of retainer and pump 6 SK on top of retainer.

5. Pull to 5200′ and circulate hole with Bentonite mud of at least 9 PPG. Premixed mud available from Baroid (505-325-1896).

6. Pull to 4505′. Mix and pump 25 SK premium (50% excess) balanced plug. Plug will extend from 4505′ to above 4305′ and will isolate the Hermosa formation. POOH.

7. MI & RU perforating company. Utilizing packoff, GIH with perforating gun and perforate 1555-56′. Rig down perforating company. Establish circulation rate and pressure.

8. Pick up cement retainer and TIH. Set cement retainer at 1250′. Mix and pump 115 sx 65/35 poz. followed with 80 sx premium (50% excess) so as to fill 4 1/2" x 7" annulus to surface and isolate Chinle 1555′ to 1250′.

9. POOH. Cut off casing at bottom of cellar or three feet below ground level whichever is deeper. TIH and set 6 SK premium plug from 50′ to surface.

10. Erect P&A marker, fill cellar, clean and restore location to BLM specifications which include reseeding the location at the appropriate time.

CEMENT DATA:

Premium:	Class H 15.8 ppg 4.96 gal wtr/sk 1.16 ft^3/sk	POZ:	65% Class B/35% POZ & 6% Gel 12.42 ppg 9.51 gal wtr/sk 1.83 ft^3/sk

WELLBORE DIAGRAM

COMPANY: Phillips Petroleum Company
WELL: Ratherford Unit No. 5 W 43

DATE: 7-15-91

Location: NESE Sec. 5
T41S, R24E
San Juan County
Utah

RKB Elev. 4507'
GL Elev. 4497'
RKB above GL 10'

9 5/8" casing set at 91' KB

Well Drilled 12/17/60
Converted to Injector 6/25/63

7" surface set at 1455' KB

Status: SI Top of fish left at 1826'

Fish

T.O.C. 3500' calc.
Tubing: 2 3/8" @ 5162'
Packer: Baker Lok-set @ 5162'

Perforations: 5391-97'
5407-09'
5418-25'
5429-34'
5437-49'
5460-66'

PBTD 5470'

4 1/2" 10.5# J-55 CSA 5530'

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

6. If Indian, Allottee or Tribe Name
Navajo Tribal B43-5

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

8. Well Name and No.
Ratherford Unit #5W43

9. API Well No.
43-037-16392

10. Field and Pool, or Exploratory Area
Greater Aneth

11. County or Parish, State
San Juan, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

RECEIVED
MAR 31 1993
DIVISION OF
OIL GAS & MINING

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other Water Injector

2. Name of Operator
Phillips Petroleum Company

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1400' FSL & 990' FEL
Section 5, T41S, R24E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☒ Other P&A	☐ Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

3-3-93 thru 3-4-93
MIRU Big A #31. NU BOP & ND WH. GIH w/2-3/8" tbg and 4-1/2" scrapper & bit. Tagged fish @ 1840' KB. COOH w/scrapper & tbg. GIH w/2-3/8" tbg & 4-1/2" pkr. Found Hole @ 1526'-30'. PT fish to 650 psi. Held 10 min. No bleed off. COOH w/tbg & pkr. Called BLM and talked to Wayne Townsend @ 1300 hrs & EPA and talked to Ken Lingo @ 1500 hrs on 3-3-93 to okay cement job on top of fish. Jet West perf'd from 1555'-56' w/4 spf (.45" diam). COOH and RU Western and established rate @ 2-1/2 BPM @ 500 psi. GIH w/4-1/2" retainer set @ 1256' KB. Pmp'd plug #1 w/150 sx 275 ft^3, 49 bbls slurry 65/35 Poz w/6% gel. Tailed w/300 sx, 348 ft^3, 62 bbls slurry Class H Neat. Circ cmt to surface but ran out of cmt for inside csg. Obtained 200 additional sx Class H Neat to complete job. Pmp'd plug #2 w/150 sx, 174 ft^3, 31 bbls slurry of Class H Neat from top of retainer to surface in 4-1/2" csg. COOH and LD tbg. RD Western & ND BOP. Well P&A'd. (P&A witnessed by Ken Lingo w/EPA and Herman Lujan w/BLM).

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

Signed L. E. Robinson Title Sr. Drlg. & Prod. Engr. Date 3-29-93
L. E. ROBINSON

(This space for Federal or State office use)

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

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

*See Instruction on Reverse Side

FORM 10

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

MONTHLY OIL AND GAS PRODUCTION REPORT

RECEIVED
AUG 16 1993
DIVISION OF
OIL, GAS & MINING

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N0772

REPORT PERIOD (MONTH/YEAR): 6 / 93

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

USM 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 Konkel Telephone Number: 505 599-3452

(6/93)

WELL #	API#	LEASE #	SEC., T, R	LOCATION OF WELL
01W-13	43-037-15838	14-20-603-246A	SEC. 1, T41S, R23E	NW/SW 1980 FSL; 660 FWL
01-14	43-037-31162	14-20-603-246A	SEC. 1, T41S, R23E	SW/SW 660 FSL; 660 FWL
01W-24	43-037-15839	14-20-603-246	SEC. 1, T41S, R23E	SE/SW 651 FSL; 3300 FEL
01-34	43-037-16385	14-20-603-246A	SEC. 1, T41S, R23E	SW/SE 4147 FNL; 1980 FEL
01W-44	43-037-15840	14-20-603-246A	SEC. 1, T41S, R23E	660 FSL; 661 FEL — PA'd
02W-44	43-037-16386	14-20-603-246A	SEC. 2, T41S, R23E	SE/SE 810 FNL; 5110' FWL
03-14	43-037-15124	14-20-603-5445	SEC. 3, T41S, R24E	660 FSL; 660 FEL
03-12	43-037-15620	14-20-603-6506	SEC. 3, T41S, R24E	SW/NW 2140 FNL; 660 FWL
03W-42	43-037-16388	14-20-603-6505	SEC. 3, T41S, R24E	SW/NE 1980 FNL; 660 FEL
03-44	43-037-15031	14-20-603-6504	SEC. 3, T41S, R24E	520 FSL; 820 FEL
04-14	43-037-16163	14-20-603-5446	SEC. 4, T41S, R24E	500 FSL; 600 FEL
04-34	43-037-16164	14-20-603-4035	SEC. 4, T41S, R24E	660 FSL; 1980 FEL
05-34	43-037-15983	14-20-603-368	SEC. 5, T41S, R24E	SW/SE 612 FSL; 1990 FEL
05W-43	43-037-16392	14-20-603-368	SEC. 5, T41S, R24E	1400 FSL; 990 FEL — PA'd
06W-14	43-037-15984	14-20-603-368	SEC. 6, T41S, R24E	SW/SW 660; FSL; 660 FWL
06W-23	43-037-16393	14-20-603-368	SEC. 6, T41S, R24E	1830 FSL; 1895 FWL — PA'd
07-11	43-037-31163	14-20-603-368	SEC. 7, T41S, R24E	NW/NW 660 FNL; 710 FWL
07W-12	43-037-15985	14-20-603-368	SEC. 7, T41S, R24E	SW/NW 2140 FNL; 585 FWL
07-13	43-037-31164	14-20-603-368	SEC. 7, T41S, R24E	NW/SW 2110 FSL; 740 FWL
07W-14	43-037-15986	14-20-603-368	SEC. 7, T41S, R24E	SW/SW 1065 FSL; 660 FWL
07W-21	43-037-16394	14-20-603-368	SEC. 7, T41S, R24E	710 FNL; 1820 FWL
07-22	43-037-31165	14-20-603-368	SEC. 7, T41S, R24E	SE/NW 1980 FNL; 1980 FWL
07W-23	43-037-15987	14-20-603-368	SEC. 7, T41S, R24E	NE/SW 1980 FSL 1980 FWL
07-24	43-037-31166	14-20-603-368	SEC. 7, T41S, R24E	SE/SW 880 FSL; 2414 FWL
07W-32	43-037-15988	14-20-603-368	SEC. 7, T41S, R23E	SW/NE 1980 FNL; 1980 FEL
07-33	43-037-31167	14-20-603-368	SEC. 7, T41S, R24E	NW/SE 2105 FSL; 1876 FEL
07W-34	43-037-15989	14-20-603-368	SEC. 7, T41S, R24E	710 FSL; 2003 FEL
07W-41	43-037-15990	14-20-603-368	SEC. 7, T41S, R24E	NE/NE 585 FNL; 770 FEL
07W43	43-037-16395	14-20-603-368	SEC. 7, T41S, R24E	2110 FSL; 660 FEL
07-44	43-037-31189	14-20-603-368	SEC. 7, T41S, R24E	SE/SE 737 FSL; 555 FEL
08-12	43-037-15991	14-20-603-368	SEC. 8, T41S, R24E	SW/NW 1909 FNL; 520 FWL
08W-14	43-037-15992	14-20-603-368	SEC. 8, T41S, R24E	745 FSL; 575 FWL
08-21	43-037-15993	14-20-603-368	SEC. 8, T41S, R24E	616 FNL; 1911 FWL
08-23	43-037-15994	14-20-603-368	SEC. 8, T41S, R24E	NE/NW 1920 FSL; 2055 FWL
08-32	43-037-15995	14-20-603-368	SEC. 8, T41S, R24E	SW/NE 1980 FNL; 1980 FEL
08-34	43-037-15996	14-20-603-368	SEC. 8, T41S, R24E	SW/SE 660 FSL; 1980 FEL
08-41	43-037-15997	14-20-603-368	SEC. 8, T41S, R24E	NE/NE 660 FNL; 660 FEL
08W-43	43-037-16396	14-20-603-368	SEC. 8, T41S, R24E	1980 FSL; 660 FEL
09W-23	43-037-16398	14-20-603-5046	SEC. 9, T41S, R24E	NW/SE 1980 FSL; 1980 FWL
09-12	43-037-15126	14-20-603-5045	SEC. 9, T41S, R24E	1865 FNL; 780 FWL
09W-21	43-037-16397	14-20-603-5045	SEC. 9, T41S, R24E	660 FNL; 2080 FWL
09-14A	43-037-15127	14-20-603-5046	SEC. 9, T41S, R24E	710 FSL; 660 FWL
09-32	43-037-16165	14-20-603-4035	SEC. 9, T41S, R24E	1980 FNL; 1980 FEL — PA'd
09W-41	43-037-16399	14-20-603-4035	SEC. 9, T41S, R24E	660 FNL; 660 FEL — PA'd
09W-43	43-037-16400	14-20-603-4043	SEC. 9, T41S, R24E	1980 FSL; 660 FEL
10W-23	43-037-16402	14-20-603-4043	SEC. 10, T41S, R24E	1980 FSL; 1980 FWL
10-14	43-037-15713	14-20-603-4043	SEC. 10, T41S, R24E	510 FSL; 710 FWL
10-12	43-037-15712	14-20-603-4043	SEC. 10, T41S, R24E	660 FWL; 1980 FNL
10W-21	43-037-16401	14-20-603-4043	SEC. 10, T41S, R24E	810 FNL; 1980 FWL
10-34	43-037-16166	14-20-603-4037	SEC. 10, T41S, R24E	620 FSL; 1860 FEL
10W-43	43-037-16403	14-20-603-4037	SEC. 10, T41S, R24E	1980 FSL; 550 FEL
11-41	43-037-31544	14-20-603-246A	SEC. 11, T41S, R23E	NE/NE 860 FNL; 350 FEL
11-42W	43-037-15841	14-20-603-246	SEC. 11, T41S, R23E	3290 FNL; 4617 FEL
11-43	43-037-31622	14-20-603-246A	SEC. 11, T41S, R23E	1980 FSL; 660 FEL
11W-44	43-037-15842	14-20-603-246A	SEC. 11, T41S, R23E	SE/SE 660 FSL; 558 FEL
12W-11	43-037-15843	14-20-603-246A	SEC. 12, T41S, R23E	NW/NW 678 FNL; 4620 FEL
12-12	43-037-31190	14-20-603-246A	SEC. 12, T41S, R23E	SW/NW 1850 FNL; 660 FWL
12W-13	43-037-16404	14-20-603-246A	SEC. 12, T41S, R23E	1980 FSL; 4620 FEL
12-14	43-037-15844	NA	SEC. 12, T41S, R23E	660 FNL; 4622 FWL — 14-20-603-246
12-21	43-037-31201	14-20-603-246A	SEC. 12, T41S, R23E	NE/NW 660 FNL; 1980 FWL
12W-22	43-037-15845	14-20-603-246	SEC. 12, T41S, R23E	NA — SENW 1920 FNL 2080 FWL
12-23	43-037-15846	14-20-603-246A	SEC. 12, T41S, R23E	1958 FNL; 3300 FWL
12W-24	43-037-31151	14-20-603-246A	SEC. 12, T41S, R23E	775 FSL; 1980
12-32	43-037-31203	14-20-603-246A	SEC. 12, T41S, R23E	SW/NE 1820 FNL; 1820 FEL
12W-33	43-037-15848	14-20-603-246A	SEC. 12, T41S, R23E	NW/SE 1957 FSL; 1981 FEL
12-34	43-037-31126	14-20-603-246A	SEC. 12, T41S, R23E	SW/SE 675 FSL; 1905 FEL
12-41	43-037-15849	14-20-603-246A	SEC. 12, T41S, R23E	656 FNL; 660 FEL
12W-42	43-037-15850	14-20-603-246A	SEC. 12, T41S, R23E	3275 FSL; 662 FEL

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO TRIBAL

1. OIL WELL ☐ GAS WELL ☐ OTHER

7. UNIT AGREEMENT NAME: RATHERFORD UNIT

2. NAME OF OPERATOR: MOBIL OIL CORPORATION

8. FARM OR LEASE NAME

3. ADDRESS OF OPERATOR: P. O. BOX 633 MIDLAND, TX 79702

9. WELL NO.

RECEIVED SEP 13 1993 DIVISION OF OIL, GAS & MINING

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:				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) CHANGE OF OPERATOR			☐
(Other)				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
APPROX. DATE WORK WILL START				DATE OF COMPLETION			

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

* Must be accompanied by a cement verification report.

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

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

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

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

(3/89)

FORM 11

STATE OF UTAH
/ISION OF OIL, GAS AND MINING

MONTHLY OIL AND GAS DISPOSITION REPORT

OPERATOR NAME AND ADDRESS:

LS Sheffield
~~BRIAN BERRY~~
~~M E P N A~~ MOBIL
~~POB 219031 1807A RENTWR~~ 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)**

*931001 updated. fec

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

RECEIVED
SEP 13 1993
DIVISION OF
OIL, GAS & MINING

COMMENTS: PLEASE NOTE ADDRESS CHANGE. MOBIL ~~ASSU~~ PRODUCTION REPORTS WILL BE COMPILED AND SENT FROM THE CORTEZ, Co. OFFICE IN THE FUTURE.

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

Date: 9/5/93

Name and Signature: Lowell B Sheffield

Telephone Number: ~~214 658 2528~~ 303 565 2212

(6/93)

FORM=NR0003.FRM 07/2

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.

Ratherford Unit (GC)

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

ARES/543

JUL 2 0 1993

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

DESIGNATION OF OPERATOR

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

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

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. [illegible] J.
Attorney-in-Fact

Mobil Exploration and Producing
North America Inc.

June 11, 1993 By: B. D. Martiny
Attorney-in-Fact B.D. MARTINY

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

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

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

EXHIBIT "A"

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

EXHIBIT "C"

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

Tract Number	Description of Land	Serial Number and Effective Date of Lease	Tract Percentage Participation
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) _____

XXX Other

OPERATOR CHANGE

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

2. DOGM Employee (name) L. CORDOVA (Initiated Call XXX)

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 OPERATORED BY MEPNA, CURRENTLY REPORTED OUT OF DALLAS (MCELMO CREEK).

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC/GH 7-SJ	
2-DTS/S 8-FILE	
3-VLC	
4-RJF	
5-LEC	
6-PL	

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

XX 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) M E P N A
(address) PO DRAWER G
CORTEZ, CO 81321
GLEN COX (915)688-2114
phone (303) 565-2212
account no. N7370

FROM (former operator) PHILLIPS PETROLEUM COMPANY
(address) 5525 HWY 64 NBU 3004
FARMINGTON, NM 87401
PAT KONKEL
phone (505) 599-3452
account no. N0772(A)

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

Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:
SEE ATTACHED	43-037-16392					

OPERATOR CHANGE DOCUMENTATION

Lec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 8-20-93) (6/93 Prod. Rpt. 8-16-93)

Lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 8-31-93) (Rec'd 9-14-93)

N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.

Lec 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.

Lec 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)

Lec 6. Cardex file has been updated for each well listed above. (O&G wells 10-6-93) (WIW's 10-26-93)

Lec 7. Well file labels have been updated for each well listed above. (O&G wells 10-6-93) (WIW's 10-26-93)

Lec 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)

Lec 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.

– OVER –

PERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

NTITY REVIEW

Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

OND VERIFICATION (Fee wells only)

Yes/N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

__ 2. A copy of this form has been placed in the new and former operators' bond files.

__ 3. The former operator has requested a release of liability from their bond (yes/no) ___. Today's date _____ 19___. If yes, division response was made by letter dated _____ 19___.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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.

DTS 11-10-93

N/A 2. Copies of documents have been sent to State Lands for changes involving **State leases**.

FILMING

✓ 1. All attachments to this form have been microfilmed. Date: 11-17 19 93.

FILING

Yes 1. Copies of all attachments to this form have been filed in each well file.

Yes 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

931006 BIA/Blm Approved 7-9-93.

E71/34-35

Form 3160-5
(August 1999)

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
See Listing below

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
See Listing below

2. Name of Operator
Mobil Producing TX & NM Inc*
*Mobil Exploration & Producing US Inc as agent for MPTM

9. API Well No.
See Listing below

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

3b. Phone No. *(include area code)*
713-431-1022

10. Field and Pool, or Exploratory Area
Greater Aneth

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

11. County or Parish, State
San Juan, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Final Clearance
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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)

Mobil Exploration & Producing US Inc. as agent for Mobil Producing Texas & New Mexico Inc. & Mobil Exploration & Producing North America Inc requests Final Clearance on the following Abandoned wells as listed in your Letter 070 3160 :

1) Ratherford Well # 1-W-44, 660' FSL/660' FEL, Sec. 01-T41S-R23E, Lease # 14-20-603-246A; 43-037-15840

2) Ratherford Well # 24-11, 510' FNL/810' FWL, Sec. 24-T41S-R23E, Lease # 14-20-603-247A; 43-037-15861

3) Ratherford Well # 5-W-43, 1400' FSL/990' FEL, Sec. 05-T41S-R24E, Lease # 14-20-603-368; 43-037-16392

4) Ratherford Well # 9-32, 1980' FNL/1980' FEL, Sec. 09-T41S-R24E, Lease # 14-20-603-4035; 43-037-16165

5) Ratherford Well # 9-W-41, 660' FNL/660' FEL, Sec. 09-T41S-R24E, Lease # 14-20-603-4035. 43-037-16399

RECEIVED
OCT 17 2000
DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Mark Del Pico

Title Regulatory Specialist

Signature M. Del Pico

Date 10/16/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Title	Date
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.	Office	

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.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington District Office
1235 La Plata Highway - Suite A
Farmington, New Mexico 87401

SEP 25 2000

IN REPLY REFER TO:
070 3160

Mr. Mark Del Pico
Mobil Exploration & Producing Inc.
P.O. Box 4358
Houston, TX 77210-4358

SEP 18 2000

Dear Mr. Del Pico:

Our office has been notified by letter dated August 31, 2000 from the Bureau of Indian Affairs (BIA) addressing inspections performed in the Ratherford Unit by Ms. Linda Taylor, Realty Specialist for the BIA of Shiprock, N.M.. Five Plugged and Abandoned wells are recommended for final abandonment. They are:

1. Ratherford Well No. 1W44, 660' FSL/660' FEL, section 1, T.41S., R.23E., San Juan County, Utah, lease No. 14-20-603-246A.

2. Ratherford Well No. 24-11, 510' FNL/810' FWL, section 24, T.41S., R.23E., San Juan County, Utah, lease No. 14-20-603-247A.

3. Ratherford Well No. 5W43, 1400' FSL/990' FEL, section 5, T.41S., R.24E., San Juan County, Utah, lease No. 14-20-603-368.

4. Ratherford Well No. 9-32, 1980' FNL/1980' FEL, section 9, T.41S., R.24E., San Juan County, Utah, lease No. 14-20-603-4035.

5. Ratherford Well No. 9W41, 660' FNL/660' FEL, section 9, T.41S., R.24E., San Juan County, Utah, lease No. 14-20-603-4035.

Therefore, these wells are hereby approved for final abandonment.

Sincerely,

Rich Dembowski,
Petroleum Management Team Leader

cc: Ms. Sharon Ustianowski
Mobil Exploration & producing
P.O. Drawer G
Cortez, Colorado 81321

bcc:
Well File (5)
D&P
L&RR reader file
070:RSanchez: ras:09/18/00

RECEIVED
OCT 17 2000
DIVISION OF
OIL, GAS AND MINING

Form 3160-5
(August 1999)

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
See Listing below

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
See Listing below

2. Name of Operator
Mobil Producing TX & NM Inc.*
*Mobil Exploration & Producing US Inc as agent for MPTM

9. API Well No.
See Listing below

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

3b. Phone No. *(include area code)*
713-431-1828

10. Field and Pool, or Exploratory Area
Greater Aneth

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

11. County or Parish, State
San Juan, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Bond Release
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 recompletion 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)

BOND RELEASE:
THE SUBJECT LOCATIONS HAVE BEEN RECLAIMED AND ARE READY FOR INSPECTION AND BOND RELEASE. PLEASE RELEASE MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MOBIL PRODUCING TX & NM INC. FROM ANY FURTHER LIABILITY FOR THESE LOCATIONS AND REMOVE THEM FROM THE FEDERAL BOND LISTING.

1) Ratherford Well # 1-W-44,	660'FSL/660'FEL,	Sec. 01-T41S-R23E,	Lease #14-20-603-246A – 43-037-15840
2) Ratherford Well # 24-11,	510'FNL/810'FWL,	Sec. 24-T41S-R23E,	Lease #14-20-603-247A – 43-037-15861
3) Ratherford Well # 5-W-43,	1400'FSL/990'FEL,	Sec. 05-T41S-R24E,	Lease #14-20-603-368 – 43-037-16392
4) Ratherford Well # 9-32,	1980'FNL/1980'FEL,	Sec. 09-T41S-R24E,	Lease #14-20-603-4035 – 43-037-16165
5) Ratherford Well # 9-W-41,	660'FNL/660'FEL,	Sec. 09-T41S-R24E,	Lease #14-20-603-4035 – 43-037-16399

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Cathy Higginbotham

Title Staff Administrative Assistant

Signature Cathy Higginbotham

Date 1/9/01

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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.

Office

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.