FILE NOTATIONS

Entered in N I D File	✓	Checked by Chief	RLS
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 5-20-62 Location Inspected USGS

OW ✓ WW TA ✓ 11-1-63 Bond released

GW OS PA State of Fee Land

LOGS FILED

Driller's Log 10-17-62

Electric Logs (No.) 2

E I E-I ✓ GR GR-N Micro ✓

Lat Mi-L Sonic ✓ Others

Well temporarily abandoned on 1-1-63

Copy to HC

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 _____

Allottee _____

Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

March 30, 1962

Navajo 67
Well No. 1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 9

SE SE¼, Section 9 (¼ Sec. and Sec. No.) 41S (Twp.) 23E (Range) Salt Lake (Meridian)

Wildcat Paradox (Field) San Juan (County or Subdivision) Utah (State or Territory)

Ext. of Gothic Mesa Field

The elevation of the derrick floor above sea level is 4631 ft. Ungraded

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:

Set 300 feet of 13 3/8" surface casing and cement to surface. Run 8 5/8" intermediate casing to approximately 1350 feet and cement with 500 sx. Drill 7 7/8" hole to approximately 5550 feet or through the Desert Creek formation. Run 4½" casing to total depth and cment with 200 sx. Perforate Ismay and Desert Creek formations. Acidize perforations and run 2 3/8" tubing.

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

Company Aztec oil & Gas Company

Address P. O. Drawer 570
Farmington, New Mexico

By Joe C Salmon
Joe C. Salmon
Title District Superintendent

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.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

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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)

March 30, 1962

Navajo 67
Well No. 1 is located 660 ft. from {S} line and 660 ft. from {E} line of sec. 9

SE¼, Section 9 (¼ Sec. and Sec. No.) 41S (Twp.) 23E (Range) Salt Lake (Meridian)

Wildcat Paradox (Field) San Juan (County or Subdivision) Utah (State or Territory)

Ext. Gothic Mesa Field

The elevation of the derrick floor above sea level is 4631 ft. Ungraded

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:

Set 300 feet of 13 3/8" surface casing and cement to surface. Run 8 5/8" intermediate casing to approximately 1350 feet and cement with 500 sx. Drill 7 7/8" hole to approximately 5590 feet or through the Desert Creek formation. Run 4½" casing to total depth and cement with 200 sx. Perforate Ismay and Desert Creek formations. Acidize perforations and run 2 3/8" tubing.

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

Company Aztec Oil & Gas Company

Address P. O. Drawer 570
Farmington, New Mexico

ORIGINAL SIGNED BY JOE C. SALMON
By Joe C. Salmon
Title District Superintendent

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

COMPANY AZTEC OIL AND GAS COMPANY

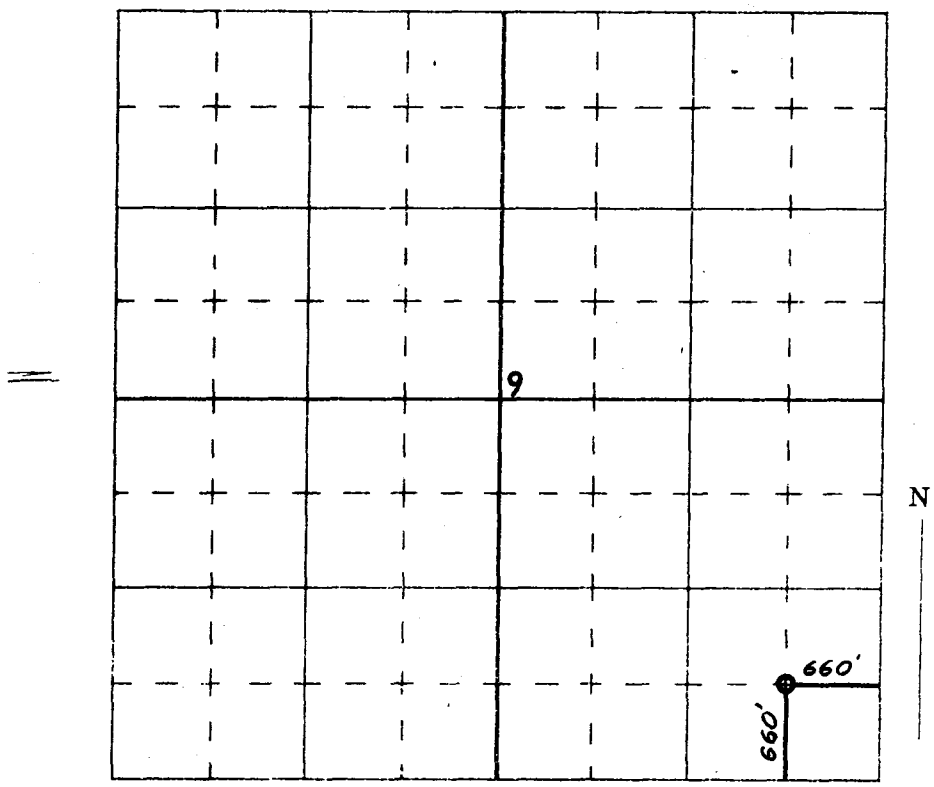
Well Name & No. NAVAJO No. 67 - 1 Lease No.

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

Being in C SE¼ SE¼

Sec. 9 , T 41 S, , R. 23 E, S.L.M. SAN JUAN COUNTY, UTAH

Ground Elevation 4631.0 UNGRADED.



Scale — 4 inches equals 1 mile

Surveyed 27 January , 19 62

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

James P. Leese

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

SAN JUAN ENGINEERING CO., FARMINGTON, NEW MEXICO

April 3, 1962

Aztec Oil & Gas Company
P. O. Drawer 570
Farmington, New Mexico

Attn: Joe C. Salmon, District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo 67-1, which is to be located 660 feet from the south line and 660 feet from the east line of Section 9, Township 41 S South, Range 23 East, SLBM, San Juan County, Utah.

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

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

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE DIRECTOR

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

M. L. Coonts - OGCC, Moab

Copy to HC

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 _____

Allottee _____

Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

April 24, 19 62

Navajo
Well No. 67-1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 9

SE¼ Section 9 (¼ Sec. and Sec. No.) T-41S (Twp.) R-23E (Range) Salt Lake (Meridian)

Wildcat Paradox (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4631 ft. G.L.

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)

Well was spudded 4/19/62
Ran 10 jts., 293' of 13 3/8" casing, landed at 305' with 285 sx.
Tested with 500# pressure for 30 minutes. No leaks.
Drilled cement 4/21/62
Ran 45 jts., 1434' of 8 5/8" casing, landed at 1446' with 150 sx.
Tested with 500# pressure for 30 minutes. No leaks.
Drilled cement 4/22/62
Tested with 500# pressure for 30 minutes
No drop in pressure.

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

Company Aztec Oil and Gas Company

Address Drawer # 570
Farmington, New Mexico

By ORIGINAL SIGNED BY JOE C. SALMON
Joe C. Salmon

Title District Superintendent

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

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 _____

Allottee _____

Lease No. _____

PAGE NO. 2

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 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)

_____, 19____

Well No. Nave 67-1 is located _____ ft. from {N/S} line and _____ ft. from {E/W} line of sec. _____

(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

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

Breakdown pressure - 3300
Maximum pressure - 4200
Flushed with 23 bbls.
Swabbed.

Avg. treating pressure - 4000
Avg. I.R. - 3.4 bpm

Went in hole with full bore packer set at 5444.
Squeezed with 50 sacks incor 1% CaCl2.
Cleaned out to 5650'.
Perforated with 4 shots per foot 5632 - 5646, with sacks incor.
Ran 179 jts., 5615' of 2 3/8" tubing landed at 5625'.
Packer - 5417 Swabbed well dry.
Squeezed perfs from 5632 - 5646 with 15 sacks incor.
Tested to 4300# - okay.
Cleaned out to 5640'.

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

Company _____

Address _____

_____ By _____

_____ Title _____

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

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 _____

Allottee _____

Lease No. _____

PAGE NO. 3

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 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)

_____, 19____

Navajo

Well No. 47-1 is located _____ft. from {N/S} line and _____ft. from {E/W} line of sec. _____

(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

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

Perforated with 4 shots per foot 5630 - 5636.
Ran 179 jts., 2 3/8" tubing landed at 5631'.
Packer at 5443.
Acidized with 2000 gals reg. acid.
Breakdown pressure - 3900 Avg. treating pressure - 3400
Maximum treating pressure - 4200
Flushed with 24 bbls.
Shut in 1½ hrs., flowed back 30 min. and died.
Swabbed well down, came out of hole with tubing and packer.
Went back in with full bore packer set at 5443.
Squeezed with 35 sacks cement.
Cleaned out to 5620'.
Perforated with 4 shots per foot 5596 - 5608.

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

Company _____

Address _____

_____ By _____

_____ Title _____

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

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 _____

Allottee _____

Lease No. _____

PAGE NO. 4

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 ABANDON WELL			

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

_____, 19____

Well No. Nau. 67-1 is located _____ft. from {N/S} line and _____ft. from {E/W} line of sec. _____

(¼ Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

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

Acidized with 3000 gals 15% acid.
Breakdown pressure - 4500
Avg. I.R. - 2.3 bpm
Flushed with 24 bbls.
Instant shut in - 3500

Avg. treating pressure - 4300
Maximum treating pressure - 4800
15 min. shut in - 3500
Left shut in - 1½ hrs.

Flowed back acid water - 2½ hrs. and died.
Swabbed well dry, laid down tubing.

1/1/63 - Moved off unit and temporarily abandoned.

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

Company AZTEC OIL & GAS COMPANY

Address P. O. DRAWER 570

FARMINGTON, NEW MEXICO

By JOE C. SALMON

Title DISTRICT SUPERINTENDENT

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

A.

Form 9-331 b
(April 1952)

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

			0

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____

Allottee _____

Lease No. 14-20-603-242

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 ABANDON WELL			

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

May 23, 19 62

Navajo
Well No. 67-1 is located 660 ft. from {~~N~~ S} line and 660 ft. from {E ~~W~~} line of sec. 9

SE¼ Section 9 (¼ Sec. and Sec. No.) T-41S (Twp.) R-23E (Range) Salt Lake (Meridian)

Wildcat Paradox (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4631 ft. G.L.

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)

P.B.T.D.- 5678'
Acidized with 1000 gals. 20% acid, 5000 gals. retarded
Breakdown pr.- 3600
Avg. treating pr.- 4500
Avg. I.R. - 2.1 bpm
instant shut in pr.- 3700
5 min. shut in pr.- 3150
Set 180 jts., 5646' of 2 3/8" tubing landed at 5656'
Packer at 5536
Perforated nipple - 5621-24
Ran rods, set pump.

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

Company Aztec Oil and Gas Company

Address Drawer # 570

Farmington, New Mexico

By ORIGINAL SIGNED BY JOE C. SALMON
Joe C. Salmon

Title District Superintendent

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

Form 9-331 b
(April 1952)

			0

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

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____

Allottee _____

Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO ABANDON WELL			

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

May 23, 19 62

Navajo
Well No. 67-1 is located 660 ft. from ~~N~~ S line and 660 ft. from E ~~W~~ line of sec. 9

SE¼ Section 9 (¼ Sec. and Sec. No.) T-41S (Twp.) R-23E (Range) Salt Lake (Meridian)

Wildcat Paradox (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4631 ft G.L.

DETAILS OF WORK

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

Total depth-5703' P.B.T.D.-5678'
Ran logs: top of Moenkopi-2246, Organ Rock-2583' Cutler-3334', Hermosa-4430
Ismay-5356, Paradox Shale-5532, Desert Creek-5572
DST # 1 (5600' to 5700') recovered 70' drilling fluid, 30' slightly gas cut drlg. fluid.
Ran 179 jts., 5688' of 4½" casing, landed at 5700' with 125 sx.
Perforated Desert Creek with 4 shots per foot 5630-48
Tested casing with 500# pressure for 2 hrs.,
Pipe Okay.

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

Company Aztec Oil and Gas Company

Address Drawer # 570
Farmington, New Mex.

By ORIGINAL SIGNED BY JOE C. SALMON
Joe C. Salmon

Title District Superintendent

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

Form 9-330

Approved.
Bureau No. 42-R355.4.

U. S. LAND OFFICE .....
SERIAL NUMBER .....
LEASE OR PERMIT TO PROSPECT .....
14-20-603-242

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

0

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Aztec Oil & Gas Company Address Drawer # 570, Farmington, New Mexico

Lessor or Tract Navajo Field Wildcat Paradox State Utah

Well No. 67-1 Sec. 9 T. 41S R. 23E Meridian Salt Lake County San Juan

Location 660 ft. {N.} of S Line and 660 ft. {E.} of E Line of Section 9 Elevation 4631 G.L.
(Derrick floor relative to sea level)

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

Signed Joe C. Salmon

Date June 22, 1962 Title District Superintendent

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

Commenced drilling 4/19/62, 19.... Finished drilling 5/16/62, 19....

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 5630 to 5648 No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

No. 1, from ..... to ..... No. 3, from ..... to .....

No. 2, from ..... to ..... No. 4, from ..... to .....

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
13 3/8	48	8rd	J-55	293					
8 5/8	24	8rd	J-55	1434					
4 1/2	9.5	8rd	J-55	5688					
2 3/8	4.7	8rd	J-55	5646					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	305	285			
8 5/8	1446	150			
4 1/2	5700	125			
2 3/8	5651				

FOLD | MARK

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

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

Acidized with 1000 gals. 20% acid, 5000 gals retarded acid. Breakdown pr.-3600
Avg. treating pr.-4500, Avg. I.R.-2.1 bpm, instant shut in-3700, 5 min. shut in-3150

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Acidized with 1000 gals. 20% acid, 5000 gals retarded acid. Breakdown pr.-3600						
Avg. treating pr.-4500, Avg. I.R.-2.1 bpm, instant shut in-3700, 5 min. shut in-3150						

TOOLS USED

Rotary tools were used from 0 feet to 5703 feet, and ~~from~~ p.b.t.d.-5678 feet to ..... feet

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

DATES

..... 19..... Put to producing 5/20/62, 19.....

The production for the first 24 hours was 85 barrels of fluid of which 35 Bbs. % was oil; 0 % emulsion; 50 Bbs. % water; and 0 % sediment. Gravity, °Bé. .....

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	
0	315	315	surface	
315	905	590	sand and shale	
905	1116	211	sand and shale	
1116	1450	334	sand and shale	
1450	1770	320	sand and shale	
1770	2114	344	sand and shale	
2114	2448	334	sand and shale	
2448	2739	291	sand and shale	
2739	2869	130	sand and shale	
2869	3144	275	sand and shale	
3144	3436	292	sand and shale	
3436	3833	397	sand and shale	
3833	3944	111	Anhydrite and shale	Moenkopi-2246
3944	4146	202	Anhydrite and shale	Organ Rock-2583
4146	4420	274	sand and shale	Cutler-3334
4420	4504	84	sand and shale	Hermosa-4430
4504	4535	31	sand and chert	Ismay-5356
4535	4630	95	lime	
4630	4657	27	sand and shale	
4657	4743	86	lime and shale	
4743	4767	24	sand and chert	
4767	4818	51	chert and lime	
4818	4844	26	sand and lime	
4844	4963	119	lime and shale	

OVER----

16—42094-5

FORMATION RECORD—Continued

October 11, 1962

Aztec Oil and Gas Company
Drawer #570
Farmington, New Mexico

Attn: Joe C. Salmon, Dist. Supt.

Re: Well No. Navajo 67-1,
Sec. 9, T. 41 S, R. 23 E.,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the well log and electric and/or radioactivity logs for the above mentioned well are due and have not yet been filed with this office as required by our rules and regulations.

Please complete the enclosed Forms OGCC-3, "Log of Oil or Gas Well", in in duplicate and forward them to this office as soon as possible. Legible copies of the U. S. Geological Survey Form 9-330 may be used in lieu of our form.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CONNIE F. PALOUKOS
RECORDS CLERK

cfp
Encl.

AZTEC OIL & GAS COMPANY
P. O. DRAWER 570
FARMINGTON, NEW MEXICO

October 15, 1962

State of Utah
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

RE: Navajo 67-1
Sec. 9, T-41S, R-23E
San Juan Co., Utah

Gentlemen:

In connection with the above captioned, please find the following instruments enclosed:

1.-Induction-Electrical log
2.-Sonic log
3.-Microlog
4.-Photostat of the U.S.G.S. form # 9-330, Log of the Well.

Should anything further be needed to complete your files, please let us know.

Yours truly,

Lila Kittrell

LK/lk
encls.

October 22, 1962

Aztec Oil & Gas Company
P. O. Drawer 570
Farmington, New Mexico

Attention: Lila Kittrell

Re: Well No. Navajo 67-1
Sec. 9, T. 41 S, R. 23 E.,
San Juan County, Utah

Gentlemen:

We are in receipt of your "Log of Oil or Gas Well" for the above mentioned well; however, upon checking this report we find that the Put to Producing Date was omitted.

We are enclosing said report for completion and return. Thank you for your cooperation in this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CONNIE F. PALOUKOS
RECORDS CLERK

CFP:cmp

dm
NPK

Form 9-331 b
(April 1952)

Copy i. h. c.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Indian Agency

Allottee

Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

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

[redacted] 3, 19[redacted]

Well No. NAVAJO 67-1 is located 660 ft. from ~~N~~ S line and 660 ft. from ~~W~~ E line of sec. 9

SE¼, SECTION 9 (¼ Sec. and Sec. No.) T-41-S (Twp.) R-23-E (Range) SALT LAKE (Meridian)

WILDCAT PARADOX (Field) SAN JUAN (County or Subdivision) UTAH (State or Territory)

The elevation of the derrick floor above sea level is 4631 ft. g.l.

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)

12/17/62 - Moved in workover rig.
Went in hole with packer and bridge plug.
Set drillable bridge plug at 5150, packer at 4774.
Squeezed with 100 sacks incor, 1% CaCl2.
Tested casing - okay.
Drilled bridge and cleaned out to float collar.
Went in hole with packer, set at 5444.
Squeezed with 40 sacks neat, 2% CaCl2.
Cleaned out to 5683.
Perforated with 4 shots per foot 5654 - 5670.
Ran 179 jts., 2 3/8" tubing landed at 5636'.
Perforated nipple - 5633 Packer - 5551
Spotted acid with 8000 gals. 15% reg. acid.

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

Company Aztec Oil & Gas Company

Address P. O. Drawer 570

Farmington, N. M.

By

Title

N.

January 23, 1964

MEMO FOR FILING:

Re: Well Location Approvals
San Juan County, Utah

Company	Well Name	Section	Township	Range
Superior Oil Company	Navajo "B" 44-14	14	43 S.	25 E.
Champlin Oil & Ref. Co.	Navajo 112-#1	26	43 S.	24 E.
Superior Oil Company	Navajo "T"-#12-3	3	42 S.	25 E.
Texaco, Inc.	Navajo "AH" #1	22	41 S.	22 E.
Aztec Oil & Gas Co.	Navajo 67-#1	9	41 S.	23 E.

According to Mr. Dick Krahl, of the U. S. Geological Survey, the above abandoned locations have been satisfactorily cleaned and marked.

HARVEY L. COONEY
PETROLEUM ENGINEER

HLC:kgw

Copy Ah

Form approved.
Budget Bureau No. 42-R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE
TRIBE
LEASE NO. 14-20-603-242

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah *County* San Juan *Field* Undesignated

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, *19* 64, Navajo 67

Agent's address Drawer #570 *Company* Aztec Oil & Gas Company

Farmington, New Mexico *Signed* BENJAMIN MEANS B.H.Means

Phone 325-1841 *Agent's title* District Engineer

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
9 SESE	41S	23E	1	0	0		0		0	
9 NWSE	41S	23E	2	28	649.57	41.2	528		30	
9 SESW	41S	23E	4	0	0	40.4	0		0	
Totals					649.57		528		30	

NOTE.—There were 1096.74 runs or sales of oil; 456 M. cu. ft. of gas sold; NO runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329A
(December 1948)

16—26231-7 U.S. GOVERNMENT PRINTING OFFICE

Copy to

Form approved.
Budget Bureau No. 42-R714.4.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE .....
TRIBE .....
LEASE NO. 14-20-603-242

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH *County* SAN JUAN *Field* UNDESIGNATED

The following is a correct report of operations and production (including drilling and producing wells) for the month of MAY, *19* 64 NAVAJO 67

Agent's address DRAWER #570 *Company* AZTEC OIL & GAS COMPANY

FARMINGTON, NEW MEXICO *Signed* Carl E. Jameson CARL JAMESON

Phone 325-1841 *Agent's title* DISTRICT ENGINEER

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
9 SE SE	41S	23E	1	0	--					
9 NW SE	41S	23E	2	30	651.68	40.9	509		50	
9 SE SW	41S	23E	4	0	--					
TOTALS					651.68		509		50	

NOTE.—There were 463.33 runs or sales of oil; 33 M. cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329A
(December 1948)

16—26231-7 U.S. GOVERNMENT PRINTING OFFICE

Form 9-331 b
(April 1952)

			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Indian Agency _____

Allottee _____

Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	X	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	X	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			
Prepare well for water injection			

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

August 13, 1964

NAVAJO
Well No. 67-1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 9

SE/4 Sec. 9 (¼ Sec. and Sec. No.) T41S (Twp.) R23E (Range) Salt Lake (Meridian)

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

The elevation of the derrick floor above sea level is 4631 ft. GL

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)

Squeeze off Upper Desert Creek perforations 5594-5608.
Clean out to 5679. Perforate 5633-44, 5660-74.
Run plastic coated tubing & set packer at 5614 to prepare well for water injection.

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

Company Aztec Oil & Gas Company

Address Drawer 570
Farmington, New Mexico

By ORIGINAL SIGNED BY JOE C. SALMON

Title District Superintendent

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

Form 9-331 b
(April 1952)

			X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Indian Agency _____

Allottee _____

Lease No. 14-20-603-242

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

August 17, 1964

NAVAJO
Well No. 67-1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 9

SE/4 Sec. 9 (¼ Sec. and Sec. No.) T41S (Twp.) R23E (Range) Salt Lake (Meridian)

Wildcat Paradox (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4631 ft.

DETAILS OF WORK

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

Moved in & rigged up Workover Rig. Set packer at 5534'. Squeezed perfs from 5594-5608 to 3700# w/20 sx. Cleaned out to 5678. Perf 4 SPF 5633-44, 5660-74. Ran 2-3/8" plastic coated tubing & packer. Set packer at 5614' KB Moved off Workover.

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

Company Aztec Oil & Gas

Address Drawer #570

Farmington, New Mexico

By ORIGINAL SIGNED BY JOE G. SALMON

Title District Superintendent

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE
TRIBE
LEASE No. [illegible]

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County SAN JUAN Field [illegible]

The following is a correct report of operations and production (including drilling and producing wells) for the month of [illegible], 19[illegible], NAVAJO 61-1

Agent's address DRAWER 970 Company AMERICAN OIL & GAS COMPANY
FARMINGTON, NEW MEXICO Signed Original Signed By Carl E. Jameson
Phone [illegible] Agent's title DISTRICT ENGINEER

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	Remarks (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
[illegible]	[illegible]	[illegible]	1	0						Injection Well
[illegible]	[illegible]	[illegible]	2	30	563.86	43.0	340.0		40	
[illegible]	[illegible]	[illegible]	4	0						Injection Well
TOTALS							340.0		40	

[illegible]

November 24, 1964

Aztec Oil & Gas Company
Drawer 570
Farmington, New Mexico

Re: Well No. Navajo 67-1
Sec. 9, T. 41 S., R. 23 E.,

Well No. Navajo 67-4
Sec. 9, T. 41 S., R. 23 E.,

Well No. Navajo 68-4
Sec. 16, T. 41 S., R. 23 E.,

Well No. Navajo 68-6
Sec. 16, T. 41 S., R. 23 E.,
San Juan County, Utah

Gentlemen:

It would be appreciated if you could furnish this office with the dates that you commenced and completed operations to convert to water injection for the above mentioned wells.

Also, it was noted that a correlation log was run on Well No. 68-6, of which we would like a copy.

Thank you for your cooperation in this request.

Very truly yours,
OIL & GAS CONSERVATION COMMISSION

CLARELLA M. PECK
SUPERVISING CLERK STENOGRAPHER

CMP:sch

N.

AMREC OIL & GAS COMPANY
P. O. DRAWER 570
FARMINGTON, NEW MEXICO

Novem . 30, 1964

Oil & Gas Co n
348 East Sou
Suite 301
Salt Lake

Attn: Clarelia N. Peck
Supervising Clerk Stenographer

Dear Mrs. Peck:

Below is the information you asked for in your letter to us dated November 24, 1964:

Navajo 67-1	Commenced 8-11-64	Completed 8-15-64
Navajo 67-4	Commenced 8-16-64	Completed 8-20-64
Navajo 68-4	Commenced 8-24-64	Completed 8-26-64
Navajo 68-6	Commenced 8-21-64	Completed 8-24-64

Yours truly,

Carl E. Jameson

Carl E. Jameson
District Engineer

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

Sent to Superior 3-22-84

February 6, 1984

Southland Royalty Company
PO Drawer 570
Farmington, New Mexico 87401

RE: GMV Well #67-1 and #67-4

Gentlemen,

The "Monthly Produced Water Disposal Report" filed by Southland Royalty for the month of December 1983 states that water is being injected into Gothic Mesa in wells #67-1 and #67-4.

The records of this Division do not indicate that said wells were ever converted to water disposal and/or injection wells.

Would you please inform this Division of their present status.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cleon B Feight

CLEON B. FEIGHT
UIC MANAGER

CBF/mfp

Jack talked to Doug Harris 2/7/84 Both wells are still carried SWD Call injection because of the unit agreement + waterflood program 5-23-85

SUPERIOR OIL

RECEIVED
FEB 14 1984
DIVISION OF
OIL, GAS & MINING

February 9, 1984

Hal Balthrop
State of Utah
Oil, Gas & Mining
4241 State Office Bldg
Salt Lake City, Utah 84114

Re: Well Names
White Mesa/Gothic Mesa Units
San Juan County, Utah

Dear Sir:

Superior Oil Company has recently purchased Southland Royalty's interest in the White Mesa and Gothic Mesa Units and as of February 1, 1984 has taken over as operator. As operator we are in the process of establishing a standard for naming future wells to be drilled. In order for this system to be consistent existing well names will need to be changed. It is proposed that a system be implemented where by a well is named according to the section and 1/4-1/4 section in which the well lies.

Unless additional information is required Superior Oil will begin using the well names as cross referenced on the following attachments one week from the above date.

Sincerely,

SUPERIOR OIL COMPANY

James S. Andres

James S. Andres
Engineer

JSA/lh
Attach.

The Superior Oil Company Western Division P.O. Drawer "G", Cortez, CO 81321
(303) 565-3733, Twx: 910 929 6420

PROPOSED WELL NAMES GOTHIC MESA

GOTHIC

	Navajo 58A-1	43-037-	15032	7-41	41S	23E	Sec 7
36	Navajo 58A-2		15034	6-34			6
	Navajo 58A-4		15036	7-21			7
	Navajo 58B-2		15033	8-42			8
	Navajo 58B-3		15035	8-12			8
	Navajo 58B-4		15037	8-33			8
	Navajo 58B-5		15038	8-44			8
	Navajo 58B-6		15039	6-23			6
	Navajo 59-1		15040	17-31			17
XWI	Navajo 67-1		16451	9-44			9
	Navajo 67-2		15041	9-13			9
WI	Navajo 67-4		16452	9-24			9
WI	Navajo 68-1		15042	16-11			16
	Navajo 68-2		15043	16-22			16
	Navajo 68-3		15044	16-33			16
WI	Navajo 68-4		16453	16-44			16
	Navajo 68-5		15045	16-13			16
WI	Navajo 68-6		16454	16-24			16

Southland Royalty Company

February 17, 1984

DIVISION OF
OIL, GAS & MINING

Mr. Cleon B. Feight
State of Utah Natural Resources
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Dear Mr. Feight:

Effective February 1, 1984, Superior Oil Company will operate the White Mesa Unit and Gothic Mesa Unit in San Juan County, Utah. Any correspondence regarding either Unit should be directed to Superior Oil Company in Cortez, Colorado.

Sincerely,

SOUTHLAND ROYALTY COMPANY

Doug R. Harris

Doug R. Harris
Petroleum Engineer

DRH/eg

P.O. DRAWER 570 (505) 325-1841 FARMINGTON, NEW MEXICO 87401

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

December 3, 1985

Mobil Oil Company
P.O. Box 5444
Denver, Colorado 80217

ATTN: Lowell Martinson-mail stop 6G

Gentlemen:

According to our records, the information required to be filed no later than October 8, 1984 for the following listed water injection wells under Rule I-4 has not been received by this Division.

GOTHIC MESA-SAN JUAN COUNTY

WELL NO.	SECTION	TOWNSHIP	RANGE
9-44(67-1)	9	41 South	23 East
9-24 (67-4)	9	41 South	23 East
16-11	16	41 South	23 East
16-24	16	41 South	23 East
16-44	16	41 South	23 East

WHITE MESA-SAN JUAN COUNTY

WELL NO.	SECTION	TOWNSHIP	RANGE
G21 (21-13)	13	41 South	24 East
4 (22-32)	22	41 South	24 East
A-9 (33-23)	33	41 South	24 East
38 (33-41)	33	41 South	24 East
60 (2-21)	2	42 South	24 East
68 (3-12)	3	42 South	24 East
63 (4-41)	4	42 South	24 East
67 (4-32)	4	42 South	24 East
75 (4-43)	4	42 South	24 East
78 (4-14)	4	42 South	24 East
83 (10-41)	10	42 South	24 East

If water or other liquids are being injected into any of these wells, they are being operated illegally (see enclosed Attorney General's informal opinion No. 85-55). If injection is taking place, please shut-in the well or wells until an application for a Class II well has been filed and approved.

Incidentally, failure to shut-in an illegal well could result in a fine of $5,000 or $10,000 per day for each day of violation.

Enclosed are some forms and a copy of Rule I-4 and I-5.

Thank you,

Cleon B Feight

Cleon B. Feight
UIC Manager

Enclosures

mfp
0009U-34

cc: Mobil Oil Company
P.O. Drawer G
Cortez, Colorado 81321
ATTN: Gregg Tript

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

December 13, 1985

CERTIFIED RETURN RECEIPT REQUESTED
P 168 903 789

Mr. Gregg Tript
Mobil Oil Company
P.O. Box G
Cortez, Colorado 81321

Dear Mr. Tript:

Re: Request for Information of Existing Class II Injection Wells

The purpose of this letter is to confirm your telephone conversation with Ron Firth, Asssociate Director of Oil and Gas, and clarify the status of certain existing Class II Injection Wells.

According to our records, information required in Rule I-4 (enclosed) has not been filed with the Division for the following wells:

GOTHIC MESA-SAN JUAN COUNTY

WELL NO.	SECTION	TOWNSHIP	RANGE
9-44(67-1) NO	9	41 South	23 East
9-24 (67-4) NO	9	41 South	23 East
16-11 NO	16	41 South	23 East
16-24 NO	16	41 South	23 East
16-44 NO	16	41 South	23 East

WHITE MESA-SAN JUAN COUNTY

WELL NO.	SECTION	TOWNSHIP	RANGE
G21 (21-13) NO	13	41 South	24 East
4 (22-32)	22	41 South	24 East
A-9 (33-23) NO	33	41 South	24 East
38 (33-41) NO	33	41 South	24 East
60 (2-21)	2	42 South	24 East
68 (3-12)	3	42 South	24 East
63 (4-41)	4	42 South	24 East
67 (4-32)	4	42 South	24 East
75 (4-43)	4	42 South	24 East
78 (4-14) NO	4	42 South	24 East
83 (10-41) NO	10	42 South	24 East

As Mr. Firth indicated, you are being given a thirty-day period, effective from receipt of this letter, to file the necessary information with the Division. You are not required to shut-in the above-referenced wells, as indicated in the December 3, 1985 letter from Cleon Feight. You may continue to operate in accordance with Division statute and rules until we have reviewed your submission. At that time, we will notify you in writing of the sufficiency of information filings and the status of the wells.

Thank you for your assistance with this matter.

Best regards,

Dianne R. Nielson

Dianne R. Nielson
Director

mjm
Enclosure
cc: R. J. Firth
Mobil Oil Company
ATTN: Lowell Martinson - mail stop GG
P.O. Box 5444
Denver, Colorado 80217
0454V

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)

RECEIVED
JAN 30 1986
DIVISION OF OIL GAS & MINING

IN THE MATTER OF THE APPLICATION OF
Mobil Oil Corp, as agent for Superior Oil

CAUSE NO. _____

ADDRESS P. O. Drawer G
Cortez, Co. 81321 ZIP

INDIVIDUAL ___ PARTNERSHIP ___ CORPORATION X

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR INJECT FLUID INTO THE GMU #9-44 WELL
SEC. 9 TWP. 41S RANGE 23E
San Juan COUNTY, UTAH

- 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 recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name: Gothic Mesa Unit	Well No.: 9-44	Field: Greater Aneth -	County: San Juan
Location of Enhanced Recovery Injection or Disposal Well: ~~660 FSL~~ 660 FE	Sec. 9	Twp. ~~41S~~	Rge. ~~23E~~
New Well To Be Drilled: Yes ☐ No ☒	Old Well To Be Converted: Yes ☐ No ☒	Casing Test: Yes ☑ No ☐ Date ~~5-23-62~~	
Depth-Base Lowest Known Fresh Water Within ½ Mile: 1200	Does Injection Zone Contain Oil-Gas-Fresh Water Within ½ Mile: YES ☑ NO ☐	State What: Oil & Gas	
Location of Injection Source(s): Gothic Mesa Unit Produced Water	Geologic Name(s) and Depth of Source(s): Desert Creek & Ismay Avg. 5500'		
Geologic Name of Injection Zone: Desert Creek	Depth of Injection Interval: 5633' to 5674'		
a. Top of the Perforated Interval: 5633'	b. Base of Fresh Water: 1200'	c. Intervening Thickness (a minus b): 4433'	
Is the intervening thickness sufficient to show fresh water will be protected without additional data?	YES (circled)	NO	
Lithology of Intervening Zones: See Attachment 1			
Injection Rates and Pressures: Maximum 2000 B/D; 3000 PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			

State of Colorado)
County of Montezuma)

Clyde F. Berndt
Applicant

Before me, the undersigned authority, on this day personally appeared _____ 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.

Subscribed and sworn to before me this 24th day of Jan, 1986

SEAL

Diane Wilson
Notary Public in and for Colorado

My commission expires 9/29/89

FORM DOGM-UIC-2
(Rule I-5 (b) 2
(Revised 1983)

PLEASE TYPE OR USE BLACK INK ONLY

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

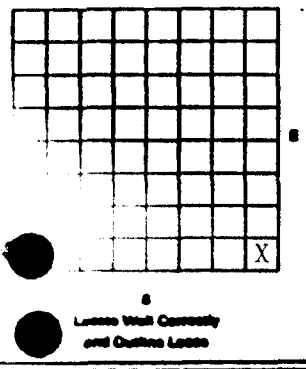
14-20-603-242
COUNTY LEASE NO.

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

API NO. 43-037-16451

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

640 Acres
N



COUNTY San Juan SEC. 9 TWP. 41S RGE. 23E

COMPANY OPERATING Mobil Oil Corp.

OFFICE ADDRESS P. O. Drawer G

TOWN Cortez STATE ZIP Co. 81321

FARM NAME Gothic Mesa Unit WELL NO. 9-44

DRILLING STARTED 4-19 19 62 DRILLING FINISHED 5-16 19 62

DATE OF FIRST PRODUCTION 5-23-62 COMPLETED 5-23-62

WELL LOCATED SE ¼ SE ¼ SE ¼

660 FT. FROM SL OF ¼ SEC. & 660 FT. FROM EL OF ¼ SEC.

ELEVATION DERRICK FLOOR _____ GROUND 4626

TYPE COMPLETION
Single Zone XX
Multiple Zone
Commingled
LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Desert Creek	5630	5648			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
13 3/8	48	J-55	305		285		
8 5/8	24	J-55	1446		150		
4 1/2	9.5	J-55	5700		125		

TOTAL DEPTH 5703 PBTD 5678

PACKERS SET DEPTH 5614' KB for Injection

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		
SPACING & SPACING ORDER NO.			
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Oil		
PERFORATED	5630-5648		
INTERVALS			
ACIDIZED?	6,000 Gal.		
FRACTURE TREATED?			

RECEIVED
JAN 30 1986
DIVISION OF OIL GAS & MINING

INITIAL TEST DATA

Date	5-23-62		
Oil, bbl./day	35		
Oil Gravity			
Gas, Cu. Ft./day	CF	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.			
Water-Bbl./day	50		
Pumping or Flowing	Flowing		
CHOKE SIZE			
FLOW TUBING PRESSURE			

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

Telephone 303-565-2205 C. J. Beasley, Sr. Env. Engr
Name and title of representative of company

Date: 9-21-86

ATTACHMENT I

Gothic Mesa 9-44

RULE I-5: Application for Approval of Class II Injection Well

(A) Form DOGM-UIC-1 is attached

(B) (1) See attached land plats

(2) Form DOGM-UIC-2 is attached

(3) See attached well bore sketch and Form DOGM-UIC-2

(4) (i) The intervening thickness is approximately 4,433 feet between the injection interval and the deepest fresh water sand. Furthermore, all fresh water sands are behind 8 5/8" surface casing. The annulus pressure will be monitored to insure no behind pipe communication occurs.

(ii) Maximum estimated surface pressure: 3,000 psi
Maximum estimated rate: 2,000 BWPD

Formation	Depth	Lithology
Moenkopi	2246	Sand and Shale
Organ Rock	2583	Shale
Cutler	3334	Sand and Shale
Hermosa	4430	Limestone
Ismay	5356	Limestone

(5) (i) A throttling valve is installed on the wellhead to control injection rates and pressures.

(ii) The source of injection water is produced water from oil wells in the Gothic Mesa Unit. The wells produce from the Ismay and Desert Creek formation ranging in depth from 5,000' to 6,000'.

(iii) The injection water consists of:

Barium: Absent	Hydroxide: Absent
Bicarbonate: 390 ppm	Iron: 4352 ppm
Calcium: 12,800 ppm	Magnesium: 972 ppm
Carbonate: Absent	Sodium: 12,317 ppm
Chlorides: 49,700 ppm	Sulfate: 100 ppm

(iv) The injection zone in the Desert Creek Formation. It consists of limestone, anhydrite and dolomite. It extends throughout the Paradox Basin and is underlain by the Chimney Rock Shale and overlain by the Paradox Shale.

(v) All fresh water sands are behind surface casing.

(vi) See (iii) above for representative sample.

(6) If the injection well must be shut-in, then the producing wells can also be shut-in.

(7) N/A

(8) The Division will be notified of the date and time of the mechanical integrity test. This advance notice will enable DOGM to monitor the test.

(9) There are no known defective wells in the area.

(10) Well was initially drilled by Aztec Oil and Gas. It was subsequently operated by Southland Royalty, and now by Mobil Oil as agent for Superior Oil. Well converted to injection status in August, 1964. Well is currently shut-in pending evaluation this year of its future use.

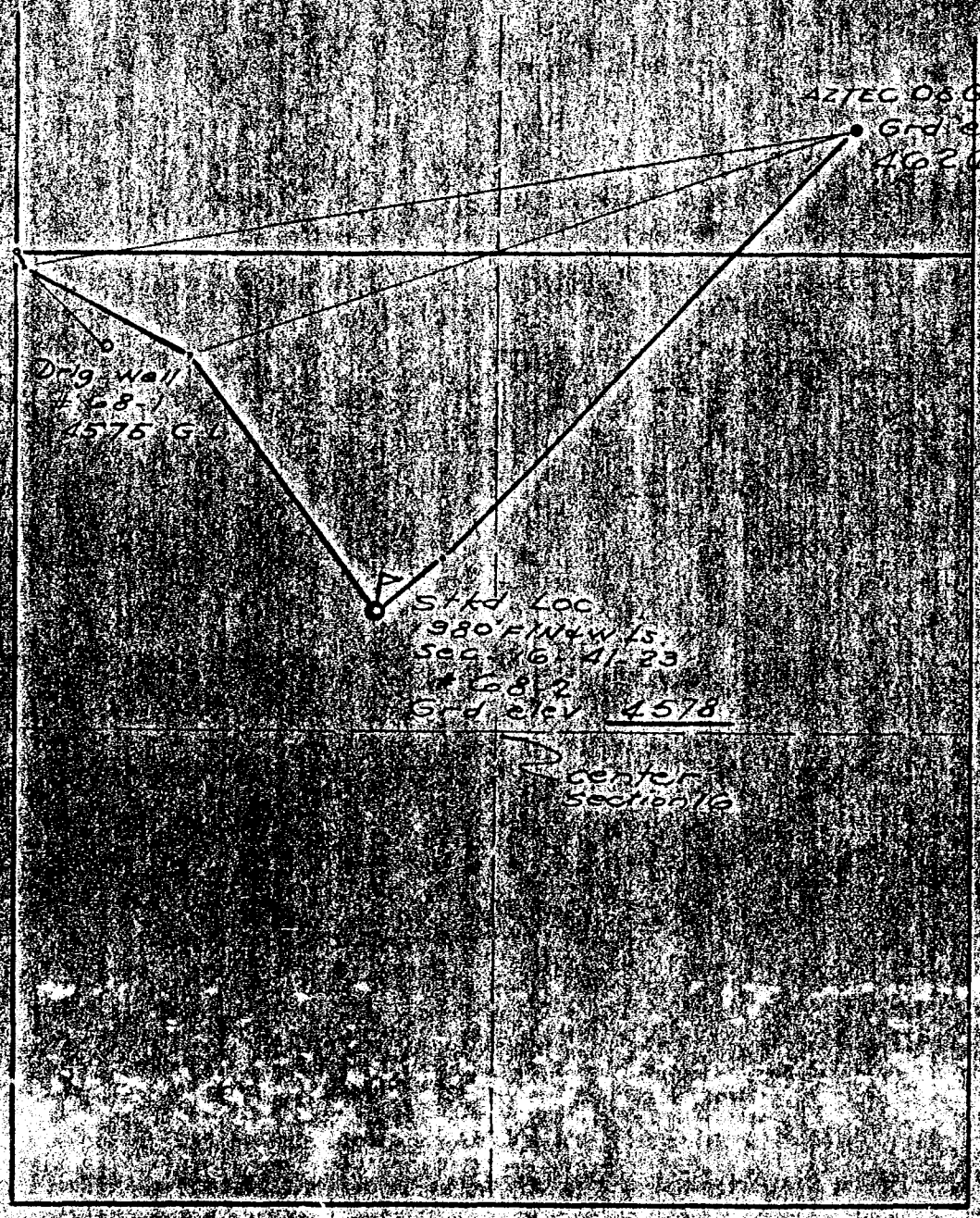
ERNEST V. ECHOHAWK

Utah Colo.
Ariz. N. Mex.

REGISTERED LAND SURVEYOR

PETROLEUM CLUB PLAZA FARMINGTON, NEW MEXICO

Oil Well Elevations - Locations • Pipeline surveys • Transmission lines • Aerial Photo ground control • Lease boundaries • Mapping • Roads • Land subdividing • Survey supervision



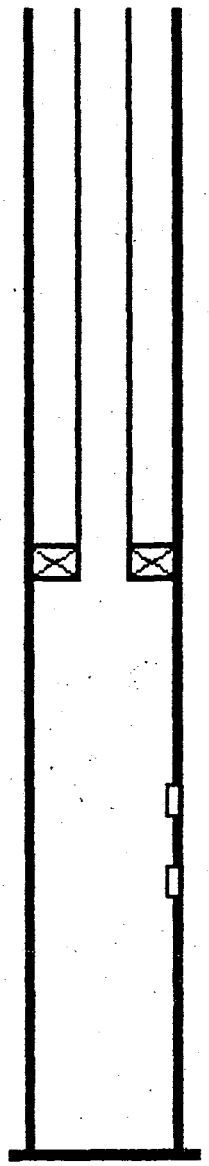
STAKING PROCEDURE

Sketch showing elevation datum used on determining the ground elevation on the Aztec Oil & Gas Company Location, 1980' from the North & West lines of sec. 16, T-41-S, R-23-E, S. L. M., San Juan County, Utah.

10-11-62 1" = 1000'

Gothic Mesa Unit 9-44 Injection Well Diagram
Greater Aneth Field
San Juan County, Utah

RECEIVED
JAN 30 1986
DIVISION OF OIL
GAS & MINING



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Bicarbonate: 390 ppm	Iron: 4,352 ppm
Calcium: 12,800 ppm	Magnesium: 972 ppm
Carbonate: Absent	Sodium: 12,317 ppm
Chlorides: 49,700 ppm	Sulfate: 100 ppm

R23E

T 40 S

26

25

TIGER OIL
USA-GOVT.
1-30

30

29

SHELL OIL
RECAPTURE CREEK
UNIT
31-28

28

LADD PET.
TEXACO FEDERAL
1-27

27

48

57

66

ZOLLER & DANNEBERG
NAVAJO
31-1

35

MIAMI PET.
NAVAJO-48
G-1

36

31

CARTER
NAVAJO-57
1

32

33

34

NORRIS OIL KNIGHT &
MILLER OIL
NAVAJO
1-34

OIL
-48

GULF OIL
DESERT CREEK FEDERAL
1

GULF OIL
DESERT CREEK FEDERAL
2

2

1

TIDEWATER OIL
GULF-NAVAJO
1-A

AZTEC (SRC) NAVAJO-58

C-1

6

5

SHELL OIL
NAVAJO-MOLE HILL
4
1

3

6-23

6-34

5-14

AZTEC (SRC) NAVAJO-58

58

7-21

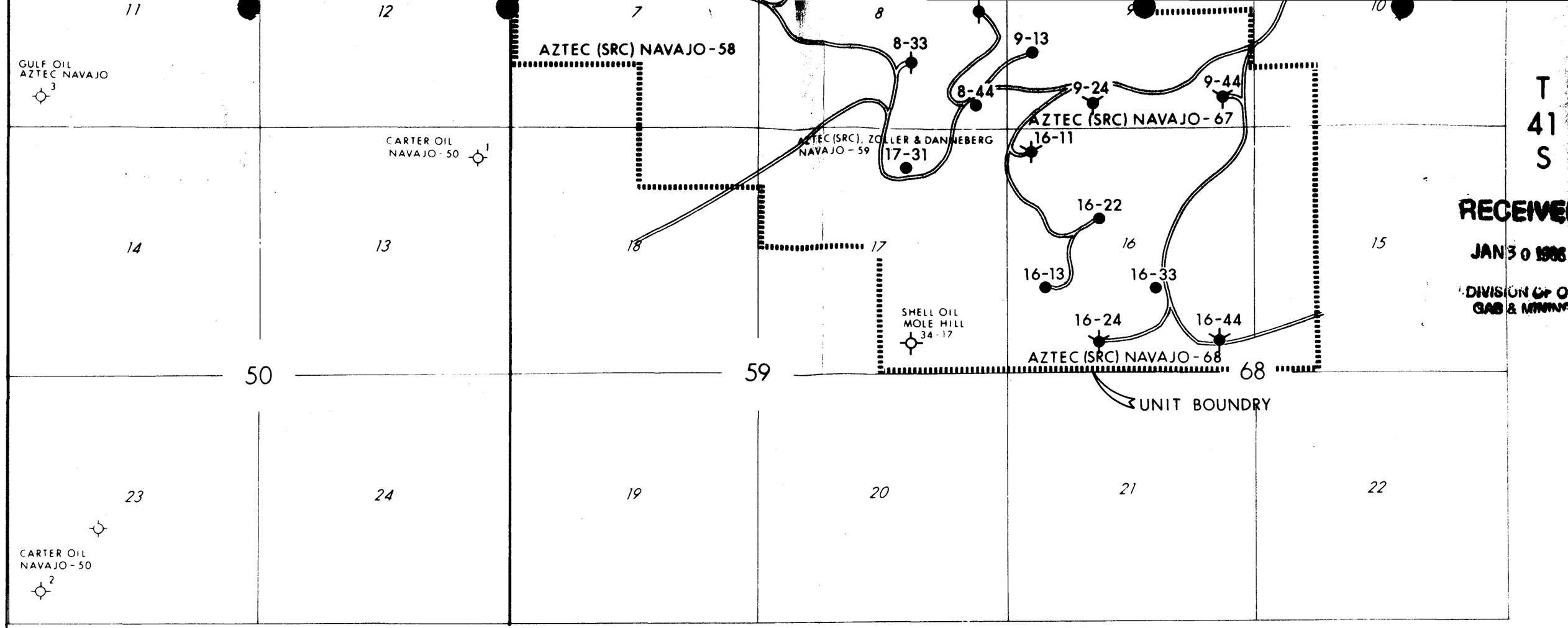
7-41

AZTEC (SRC) NAVAJO-58

49

67

TIDEWATER OIL
GULF-NAVAJO
1



N

- Proposed Well
- Producing Well
- Gas Well
- Water Injection Well
- Temporarily Abandoned
- Plugged and Abandoned
- Dry Hole

Southland Royalty Company
ROCKY MOUNTAIN DISTRICT
DENVER COLORADO

GOTHIC MESA UNIT

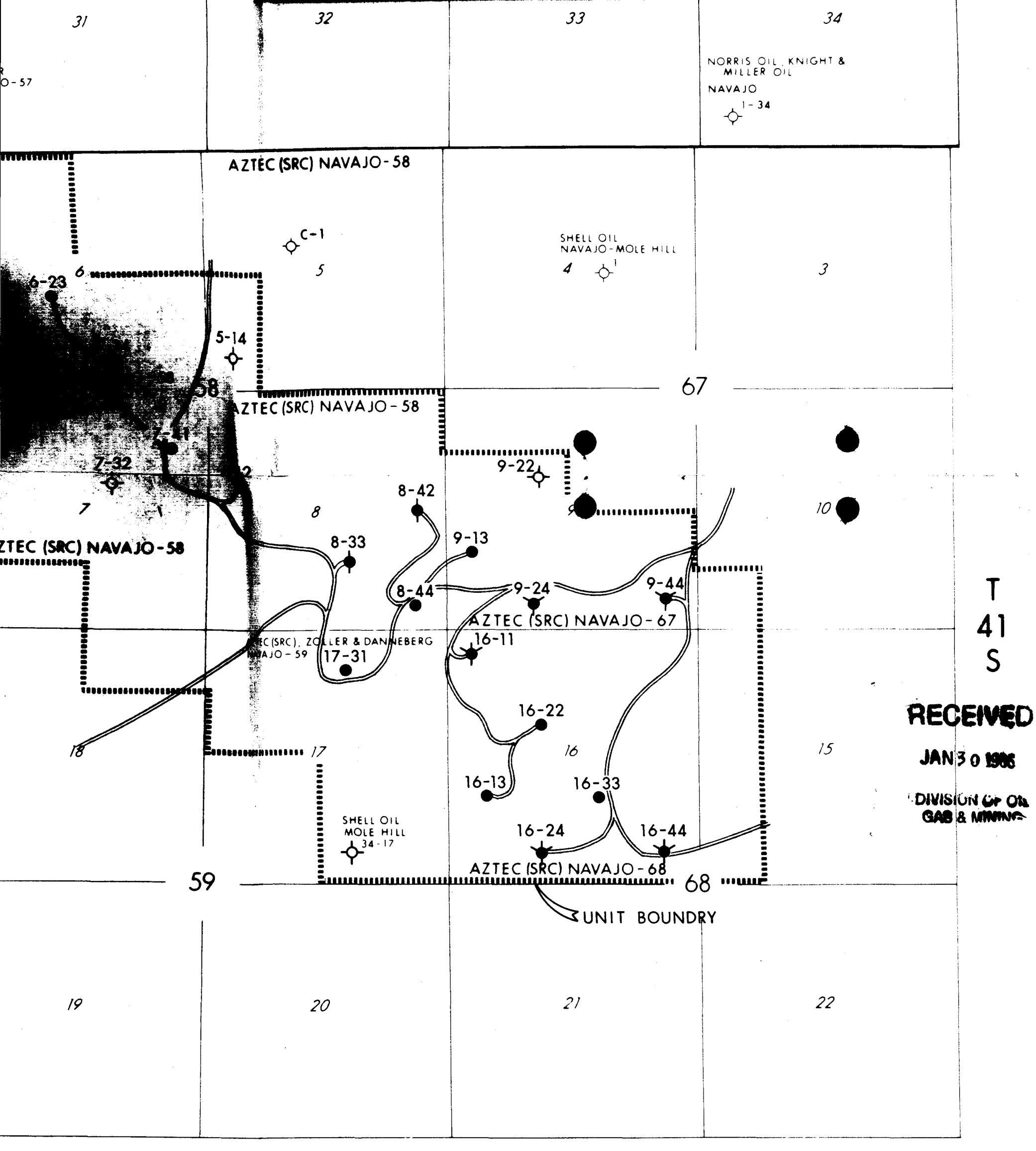
SAN JUAN COUNTY, UTAH

ROAD MAP

SCALE : 1" = 2000'

J. E. GREEN
R. B. MELLOR

JAN. 2
MA



- ○ Proposed Well
- ● Producing Well
- Gas Well
- Water Injection Well
- Temporarily Abandoned
- Plugged and Abandoned
- Dry Hole

Southland Royalty Company
ROCKY MOUNTAIN DISTRICT
DENVER COLORADO

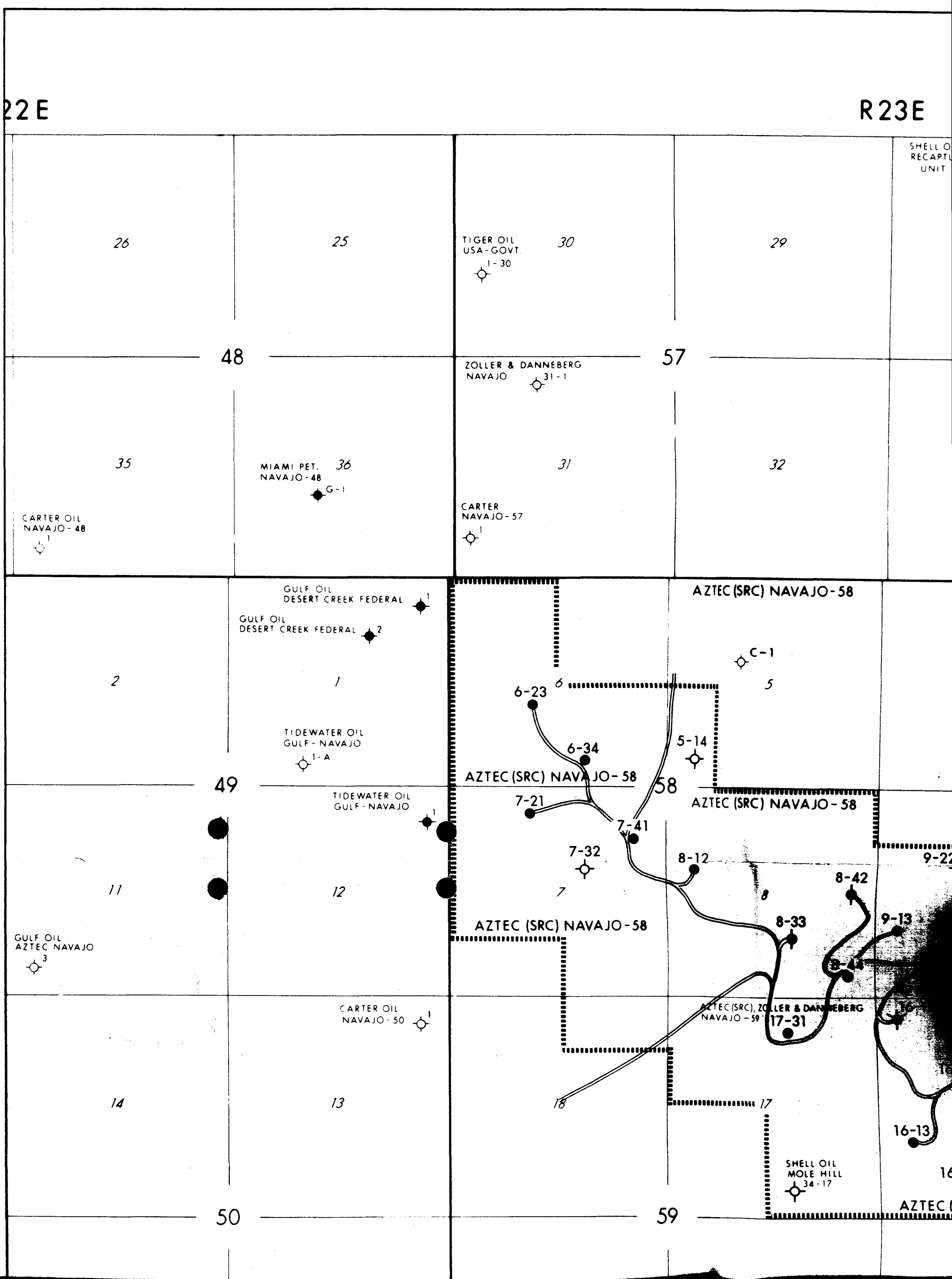
GOTHIC MESA UNIT
SAN JUAN COUNTY, UTAH

ROAD MAP

SCALE : 1" = 2000'

J. E. GREEN
R. B. MELLOR

JAN. 2, 1985
MAY 17, 1979


22E
R23E
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TIGER OIL
USA-GOVT.
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ZOLLER & DANNEBERG
NAVAJO
31-1
57
35
MIAMI PET.
NAVAJO-48
G-1
36
31
32
CARTER OIL
NAVAJO-48
1
CARTER
NAVAJO-57
1
GULF OIL
DESERT CREEK FEDERAL
1
GULF OIL
DESERT CREEK FEDERAL
2
AZTEC (SRC) NAVAJO-58
C-1
2
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5
6-23
6-34
5-14
TIDEWATER OIL
GULF-NAVAJO
1-A
AZTEC (SRC) NAVAJO-58
58
AZTEC (SRC) NAVAJO-58
49
TIDEWATER OIL
GULF-NAVAJO
1
7-21
7-41
7-32
8-12
9-22
11
12
7
8
8-42
AZTEC (SRC) NAVAJO-58
8-33
9-13
GULF OIL
AZTEC NAVAJO
3
8-44
CARTER OIL
NAVAJO-50
1
AZTEC (SRC), ZOLLER & DANNEBERG
NAVAJO-59
17-31
14
13
18
17
16-13
SHELL OIL
MOLE HILL
34-17
50
59

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

February 10, 1986

Mobil Oil Corporation
P.O. Drawer G
Cortez, Colorado 81321

ATTN: Mr. C.J. Benally

Dear Mr. Benally:

RE: Existing Class II Injection Wells - Information Request of December 13, 1985

The information requested by the Division concerning existing Class II injection wells, which was requested in our letter dated December 13, 1985, has been received and found complete.

You are authorized to continue operation of the following listed wells in accordance with the Utah state statutes and rules until further notice from this Division.

Gothic Mesa - San Juan County

Well Name	Township	Range	Section
9-44 (67-1)	41 South	23 East	9
9-24 (67-4)	41 South	23 East	9
16-24	41 South	23 East	9
16-44	41 South	23 East	9

White Mesa - San Juan County

4 (22-32)	41 South	24 East	22
A-9 (33-23)	41 South	24 East	33
38 (33-41)	41 South	24 East	33
60 (2-21)	42 South	24 East	2
68 (3-12)	42 South	24 East	3
63 (4-41)	42 South	24 East	4
67 (4-32)	42 South	24 East	4
75 (4-43)	42 South	24 East	4
78 (4-14)	42 South	24 East	4
83 (10-41)	42 South	24 East	10

A review of our records indicates that well No. 16-11, Township 4 South, Range 23 East, Section 16, is a shut-in oil well and well No. G21 (21-13), Township 41 South, Range 24 East, Section 13, has been plugged and abandoned.

Thank you for your cooperation and assistance. If further information or discussion is necessary concerning this matter, please give me a call.

Sincerely,

Gil Hunt
UIC Program Manager

mfp
0156U-59-60

Mobil Oil Corporation

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

May 14, 1986

RECEIVED
MAY 16 1986
DIVISION OF
OIL, GAS & MINING

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

Attn: R. J. Firth
Associate Director

SUPERIOR OIL COMPANY MERGER

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

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

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

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

Very truly yours,

R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

Injection Wells 1/5 Only

WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 2)
FOR THE CORTEZ SUPERVISOR AREA
FOR THE GREATER ANETH FIELD 05/13/86

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	STAT	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
GOTHIC MESA	9-24	SAN JUAN	UT	SE SW	9-41S	23E	INJ	SI	43-037-16452	14-20-603-242		94-004216
	9-44	SAN JUAN	UT	SE SE	9-41S	23E	INJ	SI	43-037-16451	14-20-603-242		94-004216
	16-24	SAN JUAN	UT	SE SW	16-41S	23E	INJ	SI	43-037-16454	14-20-603-243		94-004216
	16-44	SAN JUAN	UT	SE SE	16-41S	23E	INJ	SI	43-037-16453	14-20-603-243		94-004216
MC ELMO CREEK	A17-1	SAN JUAN	UT	NE NE	10-41S	24E	INJ	OP	43-037-05592	14-20-0603-6148		96-004190
	A17-2	SAN JUAN	UT	NE NE	10-41S	24E	INJ	SI	43-037-05592	14-20-0603-6140		96-004190
	B-13	SAN JUAN	UT	NW NW	2-41S	24E	INJ	OP	43-037-05701	14-20-603-6509		96-004190
	B-15	SAN JUAN	UT	NW SW	02-41S	24E	INJ	OP	43-037-05657	14-20-603-6508		96-004190
	D-13	SAN JUAN	UT	NW NE	2-41S	24E	INJ	OP	43-037-16267	14-20-603-6510		96-004190
	D-15	SAN JUAN	UT	NW SE	2-41S	24E	INJ	OP	43-037-05656	14-20-0603-6147		96-004190
	D-17	SAN JUAN	UT	NW NE	11-41S	24E	INJ	OP	43-037-15704	14-20-603-5447		96-004190
	E-19	SAN JUAN	UT	NE SE	11-41S	24E	INJ	OP	43-037-16342	14-20-603-5449		96-004190
	E-21	SAN JUAN	UT	NE NE	14-41S	24E	INJ	OP	43-037-16343	14-20-603-370		96-004190
	E-23	SAN JUAN	UT	NE SE	14-41S	24E	INJ	OP	43-037-16344	14-20-603-370		96-004190
	F-11	SAN JUAN	UT	NW SW	36-40S	24E	INJ	OP	43-037-05743	14-20-0603-6146		96-004190
	F-13	SAN JUAN	UT	NW NW	01-41S	24E	INJ	OP	43-037-16345	14-20-603-4032		96-004190
	F-15A	SAN JUAN	UT	NW SW	1-41S	24E	INJ	OP	43-037-31149	14-20-603-4032		96-004190
	F-17	SAN JUAN	UT	NW NW	12-41S	24E	INJ	OP	43-037-15493	14-20-603-4039		96-004190
	F15A	SAN JUAN	UT	NW SW	01-41S	24E	INJ	OP	43-037-31149	14-20-603-4032		96-004190
	G-18	SAN JUAN	UT	SE NW	12-41S	24E	INJ	OP	43-037-15494	14-20-603-4039		96-004190
	G-19	SAN JUAN	UT	NE SW	12-41S	24E	INJ	OP	43-037-05532	14-20-603-5450		96-004190
	G-21	SAN JUAN	UT	NE NW	13-41S	24E	INJ	SI	43-037-16347	14-20-603-370		96-004190
	G-21A	SAN JUAN	UT	NE NW	13-41S	24E	INJ	OP	43-037-30974	14-20-603-370		96-004190
	G-23	SAN JUAN	UT	NE SW	13-41S	24E	INJ	OP	43-037-16348	14-20-603-370		96-004190
	G-25	SAN JUAN	UT	NE NW	24-41S	24E	INJ	OP	43-037-16349	14-20-603-370		96-004190
	H-11	SAN JUAN	UT	NW SE	36-40S	24E	INJ	OP	43-037-05739	14-20-0603-6145		96-004190
	H-13	SAN JUAN	UT	NW NE	01-41S	24E	INJ	OP	43-037-05708	14-20-603-4032		96-004190
	H-15	SAN JUAN	UT	NW SE	01-41S	24E	INJ	OP	43-037-05666	14-20-603-4039		96-004190
	H-17	SAN JUAN	UT	NW NE	12-41S	24E	INJ	OP	43-037-05605	14-20-603-4039		96-004190
	I-20	SAN JUAN	UT	SE SE	12-41S	24E	INJ	OP	43-037-05524	14-20-603-4495		96-004190

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)

Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL ☐ GAS WELL ☐ OTHER Injection Well	5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-242
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO
	7. UNIT AGREEMENT NAME GOTHIC MESA
2. NAME OF OPERATOR MOBIL OIL CORPORATION	8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR P. O. DRAWER G, CORTEZ, COLORADO 81321	9. WELL NO. 9-44
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL 660 FEL (SESE)	10. FIELD AND POOL, OR WILDCAT GREATER ANETH
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 9, T41S, R23E
14. PERMIT NO. 43-037-16451 / 15. ELEVATIONS (Show whether DF, RT, GR, etc.) GR: 4631	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)			☐
(Other) -continue SI			☒	(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.)*

Mobil Oil Corporation has sold this unit and is waiting final assignment approvals from the Navajo Tribe and Bureau of Indian Affairs. Request that the well remain on shut in status as to give the new operator time and opportunity to review the future status of the well as part of the overall Gothic Mesa Unit operation.

MAR 12 1987
DIVISION OF
OIL, GAS & MINING

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

SIGNED Clyde F. Benally C. J. Benally TITLE Sr. Environ. Engineer DATE 3/5/89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 3-17-87
BY: John R. Baza

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.

PIONEER OIL & GAS

AIRBORNE #242726750

May 2, 1988

MAY 3 1988

DIVISION OF
OIL, GAS & MINING

Bureau of Land Management
Farmington Resource Area
1235 La Plata Highway
Farmington, NM 87401

Attn: Ron Fellows

Re: Gothic Mesa Unit
Well Nos. 9-24, 9-44, 16-24, 16-44, 17-31,
9-13, 16-22, 16-11, 6-23, 8-42 and 8-33
San Juan County, Utah

Gentlemen:

Pursuant to your letters of April 6, 1988 and your letter of April 12, 1988 in which you request response to the current status and plans for the above captioned wells, we are hereby submitting in triplicate Sundry Notices pertaining to said wells.

Pioneer Oil & Gas acquired the Gothic Mesa Unit and associated leases from Mobil Oil Corporation and has acted as Operator since September 16, 1987. On March 31, 1988, the Assignments of Interest to Pioneer were approved by the Bureau of Indian Affairs and on April 7, 1988, by the Navajo Nation Mineral Department.

From September, 1987 until recently, Pioneer has been attempting to place together complete and accurate well files pertaining to all the Gothic Mesa wells. However, since the field has changed operators three times since 1983, it is extremely difficult to establish files that our management feels are complete.

Nevertheless, we are currently in the process of reevaluating the entire field as far as new exploration possibilities and are anticipating two wells to be drilled in 1988 to test Akah, Desert Creek and Ismay possibilities. Along with these wells, Pioneer is reevaluating the entire unit for future reconditioning and redevelopment possibilities.

Therefore, as specifically outlined in the individual Sundry Notices, Pioneer is requesting a two year period commencing May 1, 1988, in which we plan to drill two tests to evaluate the Ismay, Desert Creek and Akah formations. During this time Pioneer will also evaluate the water flood, tertiary recovery, recompletion and reentry potential throughout the field. Our management feels that this time frame would

prudently allow us to fully analyze and thus develop to its maximum potential, the remaining oil and gas reserves within the Gothic Mesa Unit.

I shall be meeting with representatives of your office on May 4th so that we may further discuss these matters. However, please do not hesitate to contact me if you should have any immediate questions concerning this matter.

Sincerely,

R. Heggie Wilson
Land Manager

RHW/tbp

Enc.

cc: State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 300
SLC, UT 84180-1204

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)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

MAY 3 1988

DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-242

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo

1. OIL WELL [ ] GAS WELL [X] OTHER Water Injection

7. UNIT AGREEMENT NAME: Gothic Mesa

2. NAME OF OPERATOR: Pioneer Oil & Gas

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: 6925 Union Park Center, Suite 145, Midvale, UT 84047

9. WELL NO.: 9-44

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

660' FSL, 660' FEL 9-41S-23E

10. FIELD AND POOL, OR WILDCAT: Greater Aneth

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SESE 9-41S-23E

14. PERMIT NO.: 43-037-16451

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)			[ ]
(Other)		Shut-In	[X]				

(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.)*

Pioneer Oil & Gas is reevaluating the field potential and thus requests that in order to maximize all possible reserves, Pioneer have two years to evaluate the potential for a resumed water flood in the Desert Creek and/or Ismay Formations based on the surrounding wells and wells to be drilled in the unit.

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

SIGNED R. Heggie Wilson TITLE Land Manager DATE 5/2/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.: 14-20-603-242

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo

7. UNIT AGREEMENT NAME: Gothic Mesa Unit

8. FARM OR LEASE NAME:

9. WELL NO.: #9-44

10. FIELD AND POOL, OR WILDCAT: Gothic Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 9-T41S-R23E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Pioneer Oil & Gas

3. ADDRESS OF OPERATOR: 6925 Union Park Center, #145, Midvale, UT 84047

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

RECEIVED APR 18 1989 DIVISION OF OIL, GAS & MINING

14. PERMIT NO.: 43-037-16451

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4631 Gr, 4641 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*	[X]	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.)*

Pioneer Oil & Gas proposes to plug and abandon this well as follows:

1) Set 100' cement plug across the existing perforations, or Set a CIBP above perforations and dump 2 sacks of cement on top.

2) Perforate the top of the Hermosa and squeeze a 100' plug in the annulus and leave a 100' plug in the 4½" casing.

3) Cut and pull the 4½" casing at the base of the 8⁵/₈" intermediate casing.

4) Spot a 100' plug in and out of the base of the 8⁵/₈" casing.

5) Set a 50' plug at the surface and weld plate over the surface casing. Erect a regulation dry hole marker.

6) Clean and rehabilitate location.

NOTE: 9# mud will be circulated between all plugs.

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

SIGNED Eric Noblitt — TITLE Production Manager — DATE 4/14/89

Eric Noblitt

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 4-28-89
BY: John R. Bay

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

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

WELL BORE DIAGRAM

Well Name: Gothic Mesa 9-44
Location: 9-41S-23E

Conductor Casing: 13 3/8
Set to: 305'
Cement: 285 SX
Circ. cmt.

Surface Casing: 8 5/8
Set to: 1446'
Cement: 150 SX
Est cmt. Top 969'

Formation:	Depth:
Chinle	1336
Moenkopi	2246
Organ Rock	2583
Cutler	3334
Hermosa	4430
Ismay	5356
Desert Creek	5572

Remarks: INJ Well
2 3/8 TBG
PKR Set @ 5614

Casing Collapse
5061'-69' Rolled
+ squeezed

Halliburton R-3 PKR

Production Casing: 4 1/2
Set to: 5700'
Cement: 125 SX
Est. cmt. Top 5227'

TD 5703'

PIONEER OIL & GAS

RECEIVED
AUG 29 1989
DIVISION OF
OIL, GAS & MINING

August 28, 1989

Ron J. Firth
State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
SLC, UT 84180

Dear Mr. Firth:

Please find enclosed the necessary copies of three separate sundry notices. Two of them concern the plugging of two wells (#9-44 and #16-24) in the Gothic Mesa Unit, San Juan County, Utah and the third concerns the acid stimulation job on the Sentinel Peak #27-14 injection well in Section 27-T41S-R26E, San Juan County, Utah.

Please feel free to call should you have any questions.

Sincerely,

Jason G. Blake
Field Operations Manager

JGB/tbp

Enc.

6925 Union Park Center • Suite 145 • Midvale, Utah 84047 • (801) 566-3000

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)

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

16

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.: 14-20-603-239

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo

7. UNIT AGREEMENT NAME: Gothic Mesa Unit

8. FARM OR LEASE NAME:

9. WELL NO.: #9-44

10. FIELD AND POOL, OR WILDCAT: Gothic Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec.9-T41S-R23E

OIL WELL [ ] GAS WELL [XX] OTHER Injection Well

2. NAME OF OPERATOR: Pioneer Oil & Gas

3. ADDRESS OF OPERATOR: 6925 Union Park Center, Suite 145 Midvale, Utah 84047

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

RECEIVED AUG 29 1989 OIL, GAS & MINING

14. PERMIT NO.: 43-037-16451

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4631 Gr., 4641 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	[ ]	ABANDONMENT*	[XX]
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.)*

7-18-89: MIRU Peese Rig. RIH and set 23 sack plug on top of packer at 5470'. Tag plug at 5230' and pressure test casing to 1000 psi, held OK.

7-19-89: Circulate hole with 9 lb. mud. Perforate pipe at 4430'. Set 51 sack plug and squeezed with 5 bbl. mud to 1200#. TOOH and pressure test to 1000 psi, held OK.

7-20-89: Shot off pipe at 900' and pull 900' of 4½" casing. TIH to 975' and set a 30 sack plug.

7-27-89: Tag cement plug at 880'. Mix an additional 25 sacks and add to plug.

7-28-89: Set 20 sack surface plug in 8⅝ by 13⅜ annulus. Set 15 sack surface plug inside 8⅝ casing. Erect dry hole marker.

Surface restoration and reseeding to be accomplished as soon as surface and weather conditions warrant.

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

SIGNED Jason G. Blake TITLE Field Operations Manager DATE 8-25-89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side