

FILED IN LOGS

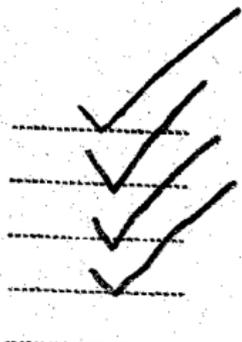
Filed in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

IWR for State or Fee Land

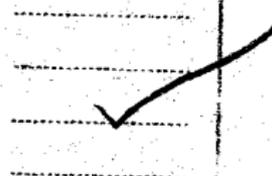


Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter



COMPLETION DATA:

Date Well Completed

2/15/59

OW

WW

TA

Location Inspected

GW

OS

PA

Bond released

State of Fee Land

LOGS FILED

Driller's Log

3/5/59

Electric Logs (No. )

1

E

II

E-I

GR

GR-N

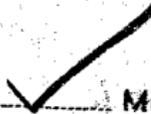
Micro

Lat

M-L

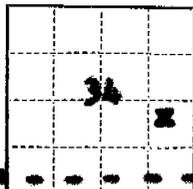
Sonic

Others



(SUBMIT IN TRIPLICATE)

Indian Agency **NAVAJO**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee \_\_\_\_\_  
Lease No. **14-20-603-409**  
Concess No. **70352**

Section approximately 627' short

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

January 9, 19 59

Well No. **Navajo A-23** is located **1266** ft. from **XXI** line and **785** ft. from **III** line of sec. **34**

**SE/4 Sec. 34**  
(1/4 Sec. and Sec. No.)

**T41S**  
(Twp.)

**R24E**  
(Range)

**S.L.B.M.**  
(Meridian)

**White Mesa**  
(Field)

**San Juan County**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **4947** 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)

We propose to drill this well with rotary tools to an estimated depth of 5900' to test the Paradox formation. Approximately 200' of 8 5/8" surface casing will be run and cemented and if commercial production is found, a string of 5 1/2" production casing will be run and cemented and the well completed.

Permission is requested to deviate from true location for this well due to rough terrain and Section 34 being approximately 627' short of a standard section.

The above description of the well location is in relation to section lines established by private survey. Such location with respect to lease boundaries is shown on the attached plat marked Exhibit "A".

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

Company **Continental Oil Company**

Address **Box 312**

**Durango, Colorado**

ORIGINAL SIGNED BY:  
BURTON HALL

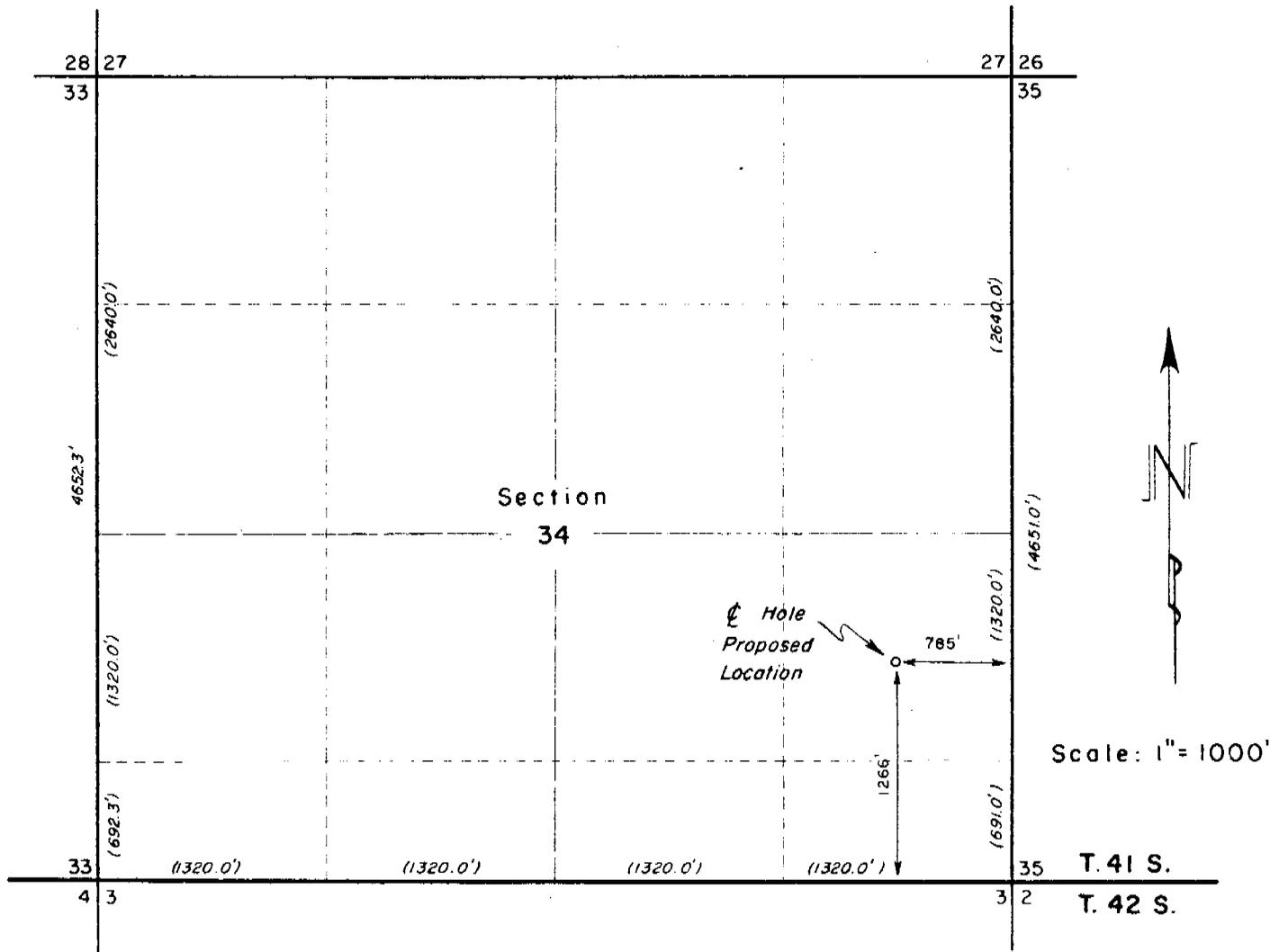
By \_\_\_\_\_

Title **District Superintendent**

WAB-es

USOS(4) UTAH OROOC(2) FER LNW JEN

# CERTIFICATE OF SURVEY



## WELL LOCATION: The Continental Oil Co.—Navajo No. A-23

Located 1266 feet North of the South line and 785 feet West of the East line of Section 34.  
 Township 41 South                      Range 24 East                      Salt Lake Meridian  
 San Juan County, Utah  
 Existing ground elevation determined at 4934 feet based on adjoining well locations.

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)

PLANET ENGINEERS, INC.

Durango, Colorado

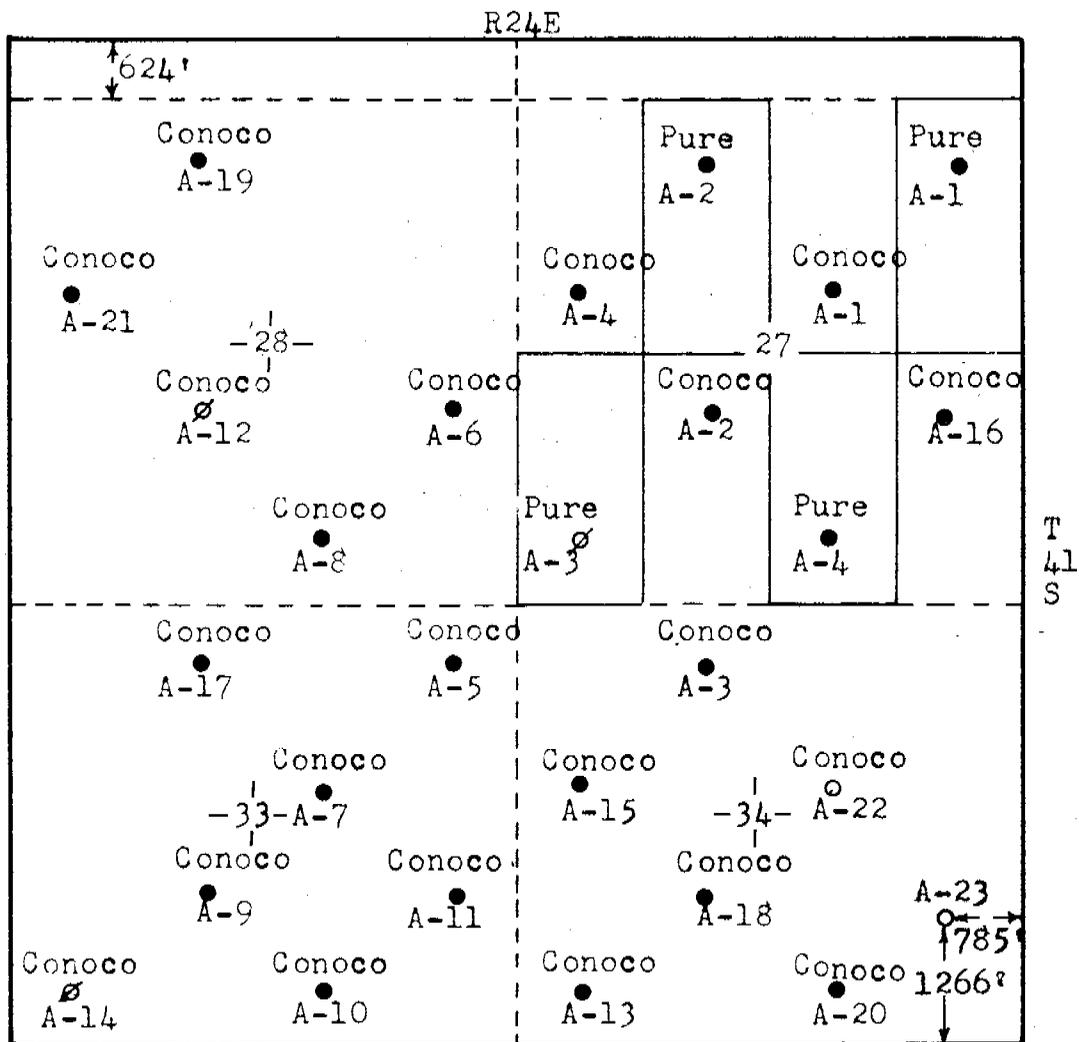
January 9, 1959

Exhibit "A"

To Notice of Intention to Drill for

Well No. Navajo A-23 (Continental)

Indian Lease No. 14-20-603-409



T41S - R24E

San Juan County, Utah

Scale 1" = 2000'

———— Lease Boundary  
 - - - - Section Lines

January 12, 1959

Continental Oil Company  
P. O. Box 3312  
Durango, Colorado

Attention: Burton Hall, District Supt.

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo A-23, which is to be located 1266 feet from the south line and 785 feet from the east line of Section 34, Township 41 South, Range 24 East, S1EM, San Juan County, Utah.

Please be advised that insofar as this office is concerned approval to drill said well on said unorthodox location is hereby granted under Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure, Oil & Gas Conservation Commission, State of Utah.

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

GLENN B. FEIGHT  
EXECUTIVE SECRETARY

GBF:eo

cc: Phil McGrath, Dist. Eng.  
USGS, Farmington,  
New Mexico

X

(SUBMIT IN TRIPLICATE)

Indian Agency **NAVAJO**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee

Lease No. **14-20-603-409**

	34	
		X

SUNDRY NOTICES AND REPORTS ON WELLS

7/1/59  
3/10

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)

February 26, 19 59

Navajo

Well No. **A-23** is located **1266** ft. from **XX** line and **783** ft. from **E** line of sec. **34**

**SE 1/4, Sec. 34**  
(1/4 Sec. and Sec. No.)

**T1S, R24E**  
(Twp.) (Range)

**S.L.B.M.**  
(Meridian)

**White Mesa**  
(Field)

**San Juan County**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **4947** ft.

DETAILS OF WORK

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

Spudded 1-18-59, drilled with rotary tools to 5830' TD. Ran 195' of 8 5/8" surface casing cemented with 200 sacks regular. Ran 5830' of 5 1/2" production casing cemented with 275 sacks regular plus 75 cu. ft. perlite. Perforated 5778-88', 5762-70', 5704-58' and 5628-74' with 4 jets per ft. Acidized with 25,500 gal. acid and used 750 gal. temporary plug. Landed 2 7/8" tubint at 5644', swabbed and flowed well and released rig 2-14-59. IFP 960 BOPD on 1" choke, gravity 41.6 at 60°, out 1% BS&W, GOR 550/1. Utah allowable 346 BOPD.

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

Company **Continental Oil Company**

Address **Box 3312**

**Durango, Colorado**

By **ORIGINAL SIGNED BY**  
**DURTON HILL**

Title **District Superintendent**

WAB-ec  
USGS(3), UTAH **02000(2), LWH, JRH**

1-12-59

5


Navajo Tribe  
No. 14-20-603-409

U. S. LAND OFFICE \_\_\_\_\_  
SERIAL NUMBER \_\_\_\_\_  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

7/14  
3/10

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 3312, Durango, Colorado  
Lessor or Tract Navajo Field White Mesa State Utah  
Well No. A-23 Sec. 34 T. 41S R. 24E Meridian S.L.B.M. County San Juan  
Location 1266 ft. <sup>(N.)</sup> of S Line and 785 ft. <sup>(W.)</sup> of E Line of Section 34 Elevation 4947'  
<sub>(Derrick floor relative to sea level)</sub>

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 BURTON HALL

Date February 26, 1959 Title District Superintendent

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

Commenced drilling January 18, 1959 Finished drilling February 14, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8 5/8"	21.4	8rd	J-55	195'	Weatherford				Surface Production
5 1/2"	17.4	8rd	J-55	5200'	Baker	5778	5988		
5 1/2"	15.5	8rd	J-55	630'		5762	5770		
						5704	5758		
						5628	5674		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8"	195'	200 regular	Displacement		
1/2"	5830'	275 reg. plus 75 cu.ft. perlite	"		

PLUGS AND ADAPTERS

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

FOLD MARK 8 5

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

**TOOLS USED**

Rotary tools were used from 0 feet to 5830 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

Put to producing February 15, 1959  
 The production (Based on Test) was 960 barrels of which 99 % was oil; 1 %  
 solution; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. xx API 41.6 at 60°  
 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 **Contractor: Arapahoe Drilg. Co.**, Driller  
 \_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM-	TO-	TOTAL FEET	FORMATION
1535	2425	890	Chinle
2425	2610	185	Shinarump
2610	2948	338	Cutler
2948	3604	656	Oggan Rock
3604	4640	1036	Cedar Mesa
4640	5427	787	Hermosa
5427	5624	197	Paradox
5624	5830	206	Aneth

MAR 5 1959

[OVER]

16-43094-4

WAB-e: **Dist: USGS(3), UTAH O&CC(2), REW, JBH**

EXPLORATION RECORD - CONTINUED


UNITED STATES

DEPT. OF BUREAU OF GEOSYNOCL  
 SPECIAL NUMBER  
 DISTRICT OFFICE

7 Bureau of Geology 15-21-59  
 Bureau of Geology 15-21-59

U.S. GOVERNMENT PRINTING OFFICE

Well No.	7100001	Section	1	Block	10	Range	10	County	Utah
HISTORY OF OIL OR GAS WELL									

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

### HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Spudded 1-18-59, drilled with rotary tools to 5830' TD. (Not cored) DST 5626'-5821', ISI 30 min., Open 25 min., PSI 1 hr., gas to surface in 2 min., oil to surface in 17 min. Ran 6 jts., 195', 8 5/8" surface casing cemented with 200 sacks regular and 186 jts., 5830', 5 1/2" production casing cemented with 75 sacks regular plus 75 cu. ft. perlite and 20 sacks regular. Perforated 5778-88', 5762-70', 5704-58' and 5628-74' with 4 jets per ft. Ran tubing with bridge plug and packer. Spotted 750 gals. MCA. Set packer at 5688', swabbed and flowed. Acidized below 5704' with 2750 gals. regular and 10,000 gals. retarded divided by 750 gals. temporary plug. Acidized 5628'-5674' with 12,000 gals. regular. Pulled packer and landed 2 7/8" tubing at 5644'. Completed as a flowing well in the Paradox formation. IEP 960 BOPD on 1" choke, gravity 41.6 at 60, cut 1% BS&W, GOR 550/l. Utah Daily Allowable 346 Bbls. Rotary rig released 2-14-59.

Completed on \_\_\_\_\_ to \_\_\_\_\_

Date \_\_\_\_\_

Location \_\_\_\_\_

Address \_\_\_\_\_

PROVIDE WELL CORRELATION


### LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY  
DEPARTMENT OF THE INTERIOR  
UNITED STATES

MAR 5 1959

NAME OF WELL OR PROPERTY \_\_\_\_\_  
 SURVEY NUMBER \_\_\_\_\_  
 FIELD OFFICE \_\_\_\_\_

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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-603-409</b>
2. NAME OF OPERATOR <b>Continental Oil Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>
3. ADDRESS OF OPERATOR <b>P. O. Box 1621, Durango, Colorado</b>		7. UNIT AGREEMENT NAME <b>White Mesa Unit</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <b>1266' FSL, 785' FEL</b>		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. <b>46</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4938' DF</b>		10. FIELD AND POOL, OR WILDCAT <b>Desert Creek</b>
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 34, T41S, R24E-S1M</b>
		12. COUNTY OR PARISH <b>San Juan</b>
		13. STATE <b>Utah</b>

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

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

(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.)\*

Well No. 46 was completed in Zone I and II of the Desert Creek Formation on February 14, 1959, for an initial potential of 960 MOPD flowing. Cumulative production to September 1, 1966 was 422,631 BO, 689,021 MCF gas and 384,035 BW. Current producing rate is 13 MOPD and 419 BWPD.

We propose to cement squeeze the present producing intervals, reperforate and complete the well in Zone I and the top 4' of Zone II. Acid stimulation of the reperforated interval will be made after swab testing.

18. I hereby certify that the foregoing is true and correct  
Original Signed By: H. D. HALEY TITLE District Manager DATE 10-7-66

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

July 28, 1967

Continental Oil Company  
P O. Box 1621  
Durango, Colorado

Re: Wells No. White Mesa Unit #46,  
Sec. 34, T. 41 E., R. 24 E.,  
White Mesa Unit #15,  
Sec. 27, T. 41 S., R. 24 E.,  
White Mesa Unit #68,  
Sec. 3, T. 42 S., R. 24 E.,  
San Juan County, Utah.

Gentlemen:

This letter is to advise you that the "Subsequent Reports of the Notices of Intention to Test Water Shut-off" for the above named wells are due and have not been filed with this office.

Please submit to this office the above named reports.

Thank you for your cooperation in this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON  
RECORDS CLERK

SC:cam

32

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN THIS ORIENTATION\*  
(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 <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>14-20-403-409</b>	
2. NAME OF OPERATOR <b>Continental Oil Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Navajo</b>	
3. ADDRESS OF OPERATOR <b>P. O. Box 1621, Durango, Colorado</b>		7. UNIT AGREEMENT NAME <b>White Mesa Unit</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>1266' FWL, 785' FWL</b>		8. FARM OR LEASE NAME	
14. PERMIT NO.		9. WELL NO. <b>44</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4938' DF</b>		10. FIELD AND POOL, OR WILDCAT <b>Desert Creek</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 34, T41N, R24E, S1M</b>	
		12. COUNTY OR PARISH <b>San Juan</b>	18. STATE <b>Utah</b>

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

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

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

Well was completed in Zone I & II of the Desert Creek formation on 2-14-59. Cumulative production to 9-1-66 was 422,631 BW and 304,035 BW. Production before workover was 13 MWD 419 MWD.

Squeezed perforations 5778'-5788', 5762'-5770', 5704-5758' and 5628'-5674' with 205 sacks class "C" cement and .6% Hald-9. Drilled out cement to 5724'. Perforated Zone I 5634'-5638', 5645'-5650', 5660'-5664' and Zone II 5710'-5714'. Acidized Zone II perforations with 250 gal. 15% HCl. Acidized Zone I perforations with 10,000 gal. 28% HCl.

On 10-25-66, immediately after workover, well tested 31 MWD 64 MWD. on 11-10-66 well tested 29 MWD 179 MWD.

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

Original Signed By: H. D. HALEY TITLE Division Manager DATE 8-3-67

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-603-409**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

**NAVAJO**

7. UNIT AGREEMENT NAME

**White Mesa**

8. FARM OR LEASE NAME

**White Mesa Unit**

9. WELL NO.

**46**

10. FIELD AND POOL, OR WILDCAT

**Desert Creek**

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

**Sec. 34-T415-R24E-51M**

12. COUNTY OR PARISH

**San Juan**

13. STATE

**Utah**

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

**Continental Oil Company**

3. ADDRESS OF OPERATOR

**Box 460, Hobbs, New Mexico, 88240**

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

**1266' FSL, 785' FEL**

14. PERMIT NO.

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

**4938' DF**

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other) **Perf & Stimulate**

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.)\*

*It is proposed to clean out this well to initial PBTD, perforate, and stimulate as follows:*

*Spot 25 sk light weight cement @ ± 5720' (present PBD), drill out & circulate hole clean w/ treated prod. water to ± 5800'. Re-perf. 5634-5638', 5645-5650', 5660-5664', 5710-5714' & new perf @ 5726-5736', 5750-5756', 5764-5768 w/ 2 - JSMP. Set RBP @ ± 5780' & PKR @ ± 5690'. Inject 2000 gal. prod. water with 40#/1000 gal Guar Gum & 40#/1000 gal Adomite Aqua. Treated with 2000 gal 15% acid w/ additives. Flushed w/ 1300 gal. treated produced water. Reset RBP @ ± 5690' & PKR @ 5600'. Injected, treated, and flushed w/ same contents. # POOH with RBP & PKR. Re-run Prod. String & restore to Production.*

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

ORIGINAL SIGNED BY:

SIGNED Wm. A. Butterfield

TITLE ADMIN. SUPV.

DATE 5-19-76

(This space for Federal or State office use)

APPROVED BY THE DIVISION OF

OIL, GAS, AND MINING

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

TITLE \_\_\_\_\_  
DATE: May 21, 1976

DATE \_\_\_\_\_

BY: Wm. A. Butterfield

\*See Instructions on Reverse Side

*USGS - Farmington (4) UO & GCR (3), W.I. Owners (6), File*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other instructions  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-603-409**

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

7. UNIT AGREEMENT NAME  
**WHITE MESA**

8. FARM OR LEASE NAME  
**WHITE MESA UNIT**

9. WELL NO.  
**46**

10. FIELD AND POOL, OR WILDCAT  
**DESERT CREEK**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**SEC. 34, T41S, R24E**

12. COUNTY OR PARISH 13. STATE  
**SAN JUAN UTAH**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
**CONTINENTAL OIL COMPANY**

3. ADDRESS OF OPERATOR  
**Box 460, Hobbs, N.M. 88240**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
**1266' FSL & 785' FEL OF SEC. 34**

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, QR, etc.)  
**4938' DF**

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other) <b>PERF. &amp; STIMULATE X</b>	<input checked="" type="checkbox"/>		

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

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

**SPOTTED TO SX. CMT. AT 5730'. DRLD. OUT CMT. 5476-5812'  
PERF'D. 5764-68', 5750'-56', 5726-36', 5710'-14', 5660-64',  
5645-50', AND 5634-38' W/2-SHOTS/FT. TREATED 5710-68  
W/40 BBLs. WATER, 2-GALS./1000 Howco 14-M, 2000 GALS.  
28% HCL & 40 BBLs. WATER W/ADDITIVES.  
TREATED 5634-64' W/40 BBLs. WATER, 2-Gals.  
PER 1000 Howco 14-M, 2000 GALS. 28% HCL &  
40 BBLs. WTR. W/ADDITIVES. RE-RAN PROD.  
EQUPT. & TESTED WELL 6-17-76: 140 BBLs.  
OIL & 98 BBLs. WTR.**

18. I hereby certify that the foregoing is true and correct.  
SIGNATURE **W.A. Kuntz** TITLE **Admin. Supv.** DATE **8-4-76**

(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

**USGS-FARMINGTON (4), UO&GCC (3), W.I. OWNERS (6), BEA, FILE.**

**SUPERIOR OIL**

RECEIVED  
FEB 14 1984

February 9, 1984

DIVISION OF  
OIL, GAS & MINING

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

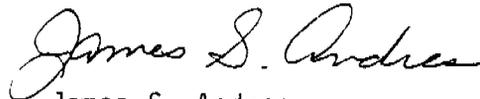
Dear Sir:

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  
Engineer

JSA/1h  
Attach.

PROPOSED WELL NAMES WHITE MESA UNIT

WMU#	T R	Sec.	API	WMU#	T R	Sec.	API	WMU#	T R	Sec.	API
1	41S 24E	23-21	16000	39	41S 24E	33-21	15352 (78)	42S 24E	4-14	16448	
2	"	23-41	16001	40	"	33-32	15352 (79)	"	4-34	16449	
3	"	22-42	16437	41	"	34-12	15353 (80)	"	3-14	10254	
4	"	22-32	15759	42	"	34-32	15354 (81)	"	3-34	10253	
5	"	23-12	16002	43	"	35-12	15529 (82)	"	2-14	15537	
6	"	23-32	16003	44	"	36-12	15530 (83)	"	10-41	16450	
7	"	23-33	16004	45	"	35-23	15531 (84)	"	9-21	10256	
8	"	23-23	16005	46	"	34-43	15355 (85)	"	8-41	15371	
9	"	22-43	15760	(47)	"	34-23	16444 (86)	"	10-32	15372	
10	"	22-23	16438	(48)	"	33-43	15356 (87)	"	11-11	10569	
11	"	22-34	15761	(49)	"	33-23	16445 (88)	"	11-14	10570	
12	"	23-14	16006	50	41S 24E	32-23	15357 (89)	"	"	Water Sply Well	
13	"	23-34	11208	51	"	32-14	10249 (90)	"	"	"	
14	"	27-41	16434	52	"	32-34	15358 (91)	"	"	"	
15	"	27-21	16254	53	"	33-14	10245 (92)	"	"	"	
16	"	28-41	16440	54	"	33-34	15359 (93)	"	"	"	
17	"	27-12	15345	55	"	34-14	15360 (94)	"	"	"	
18	"	27-32	15346	56	"	34-34	15361 (95)	"	"	"	
19	"	26-12	10563	57	"	35-14	15532 (96)	"	"	"	
20	"	25-23	10564	58	"	35-34	15533 (97)	"	"	"	
21	"	27-43	15347	59	42S 24E	1-41	NO API (98)	"	"	"	
22	"	27-23	15348	(60)	42S 24E	2-21	15534 (99)	"	"	"	
23	"	27-13	10284	61	"	3-41	15362 (100)	"	"	"	
24	"	28-43	15349	(62)	"	3-21	15363 (101)	"	"	"	
25	"	28-23	10244	(63)	"	4-41	16446 (102)	"	"	"	
26	"	28-34	16441	64	"	4-21	15364 (103)	"	"	"	
27	"	27-14	10285	65	"	6-32	10257 (104)	"	"	"	
28	"	27-14A	11343	66	"	4-12	10255 (105)	"	"	"	
29	"	27-34	16255	(67)	"	4-32	15365 (106)	42S 24E	4-42	30018	
30	"	26-14	10565	(68)	"	3-12	15366 (107)	41S 24E	34-24	30098	
31	"	25-14	15525	69	"	3-32	15367 (108)	"	34-42	30102	
32	"	25-34	10566	70	42S 24E	2-12	15535 (109)	42S 24E	4-33	30292	
33	"	36-21	15526	71	"	2-32	15536 (110)	42S 24E	3-11	30293	
34	"	35-41	15527	72	"	2-23	10568 (111)	"	3-22	30294	
35	"	35-21	15528	73	"	3-43	15368 (112)	41S 24E	34-22	30295	
36	"	34-41	16442	(74)	"	3-23	16447 (113)	"	34-33	30296	
37	"	34-21	15350	(75)	"	4-43	15369 (114)	"	"	Proposed not drld 30329	
38	"	33-41	16443	76	"	4-23	15370 (115)	"	4-31	30330	
39	"	33-21	15351	77	"	5-13	16523 (116)	41S 24E	35-13	30331	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-409
2. NAME OF OPERATOR Superior Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR 600 17th Street, Suite 1500S, Denver, CO 80202		7. UNIT AGREEMENT NAME White Mesa Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface At Surface: 1266' FSL; 785' FEL, Section 34 At Top Production Interval: Same At Total Depth: Same		8. FARM OR LEASE NAME
14. PERMIT NO. 43-037-15355	15. ELEVATIONS (Show whether DF, RT, GR, etc.) DF: 4947' GR: 4934	9. WELL NO. #34-43
		10. FIELD AND POOL, OR WILDCAT Greater Aneth
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T41S, R24E, SIM
		12. COUNTY OR PARISH 13. STATE San Juan Utah

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

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

(Other) Convert to Injection

(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.)\*

FORMERLY NAMED WMU #46.

1. MIRU.
2. Squeeze all perms w/125 sx cement.
3. Drill out to 5680'.
4. Perforate Desert Creek Zone I (5630'-40'; 42'-52'; 54'-68'/2 JSPF).
5. Acidize Desert Creek I w/6000 gals 28% HCl.
6. RIH w/plastic coated packer and tubing.
7. RDMO.

RECEIVED

AUG 6 1984

DIVISION OF OIL  
GAS & MINING

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

SIGNED

*Armando Saenz*  
ARMANDO SAENZ

TITLE ENGINEER

DATE

8-2-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side





ATTACHMENT 1

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

(a) Attached is Form DOGM-UIC-1.

- (b) (1) See attached Land Plat.  
(2) Attached is Form DOGM-UIC-2.  
(3) See attached wellbore sketch.  
(4)

i. The intervening thickness is over 4000' between the proposed injection interval and the deepest fresh water sand. Furthermore, all fresh water sands are behind 5-1/2" production casing. The annulus pressure will be monitored to insure no behind pipe communication occurs.

ii. Maximum Estimated Surface Pressure: 2800 psig  
Maximum Estimated Rate: 2000 BWPD.

<u>FORMATION</u>	<u>DEPTH</u>	<u>LITHOLOGY</u>
Chinle	1535'	Shale
8-5/8" Surface Casing	195'	
DeChelly	2685'	Sandstone
Organ Rock	2948'	Shale
Hermosa	4640'	Limestone
Ismay	5494'	Limestone
Gothic	5612'	Shale
Desert Creek	5624'	Limestone
Chimney Rock	5800'	Shale

(5)

i. A throttling valve will be installed on the wellhead to control injection rates and pressures.

ii. The source of injection water will be Superior's production wells within the White Mesa Unit. The wells produce from the Ismay and Desert Creek formations with approximate depths of 5500' and 5600' respectively.

iii. The analysis of injection water is as follows:  
(as parts per million).

PH: 6.5	Ca: 13,770	SO4: 25
CL: 16,700 ppm	Mg: 11,421	H2S: 30
Fe: 3	HC03: 109.8	Ba: --
CaCo3: 18,470	CO3: --	Specific Gravity: 1.0553

Well #34-43

(5) Cont.

iv. The proposed injection zone is the Desert Creek formation. The zone is carbonate formation consisting of limestone, anhydrite and dolomite. This formation extends throughout the Paradox Basin and is underlain by the Chimney Rock Shale and is overlain by the Hermosa Limestone.

v. All fresh water zones are behind surface casing.

vi. The analysis of formation water (Desert Creek) is as follows: (as parts per million).

PH:	6.8	Ca:	3,600	SO4:	875
CL:	33,000	Mg:	875	H2S:	40
Fe:	0.5	HCO3:	219.6	Ba:	--
CaCO3:	12,600	CO3:	--	Specific Gravity:	1.040

(6) If the proposed injection well must be shut-in, the fresh water wells can also be shut-in.

(7) N/A.

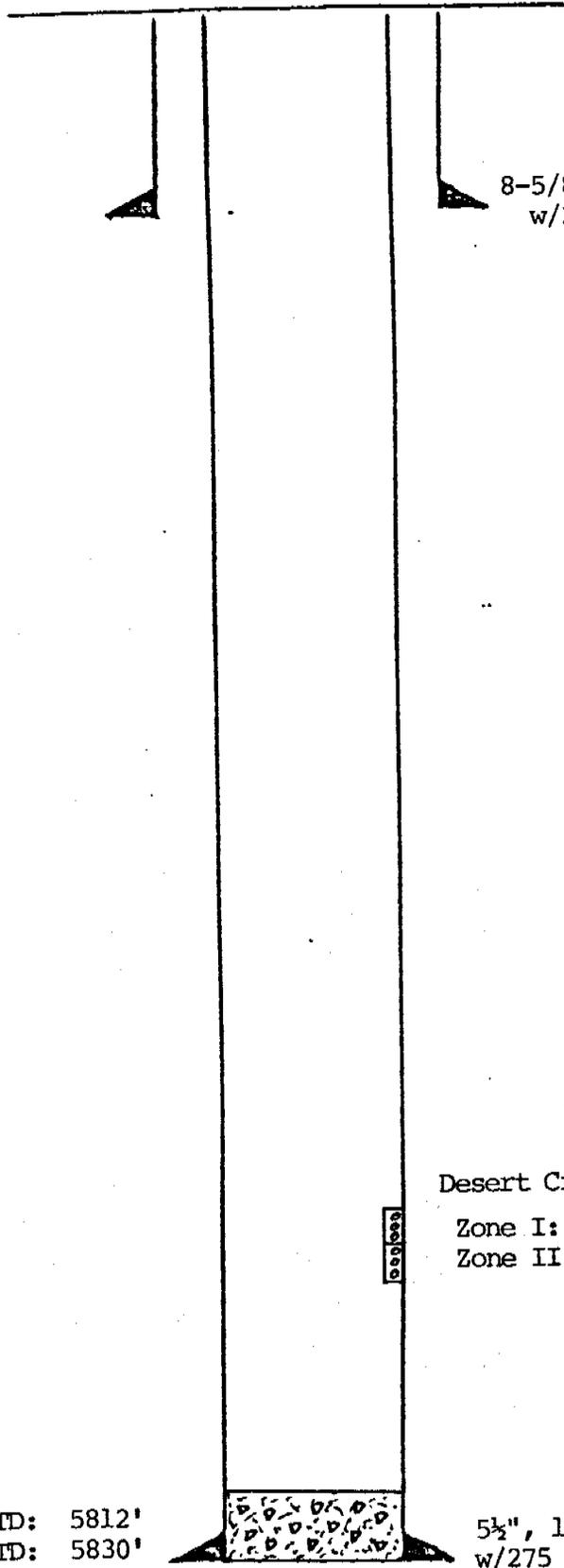
(8) The Division will be notified of the date and time to monitor the mechanical integrity test.

(9) There are not defective wells in this area.

(10) N/A.

WHITE MESA UNIT #34-43  
GREATER ANETH FIELD  
SAN JUAN COUNTY, UTAH

PRESENT WELLBORE SKETCH



8-5/8", 24# J-55 set at 195'  
w/200' sx cmt. to surf.

Desert Creek Perfs:

Zone I: 5634'-64'; 5645'-50'; 5660'-64'  
Zone II: 5710'-14'

PBID: 5812'  
TD: 5830'

5 1/2", 14 & 15.5#, J-55 set at 5835'  
w/275' sx cmt. to 2935'

WHITE MESA UNIT #34-43  
GREATER ANETH FIELD  
SAN JUAN COUNTY, UTAH

PROPOSED WELLBORE SKETCH

Csg. Capacity: .0241 bbls/ft  
Tbg. Capacity: .00579 bbls/ft  
Ann. Capacity: .0161 bbls/ft

8-5/8", 24#, J-55 set at 195'  
w/200' sx cmt to surf.

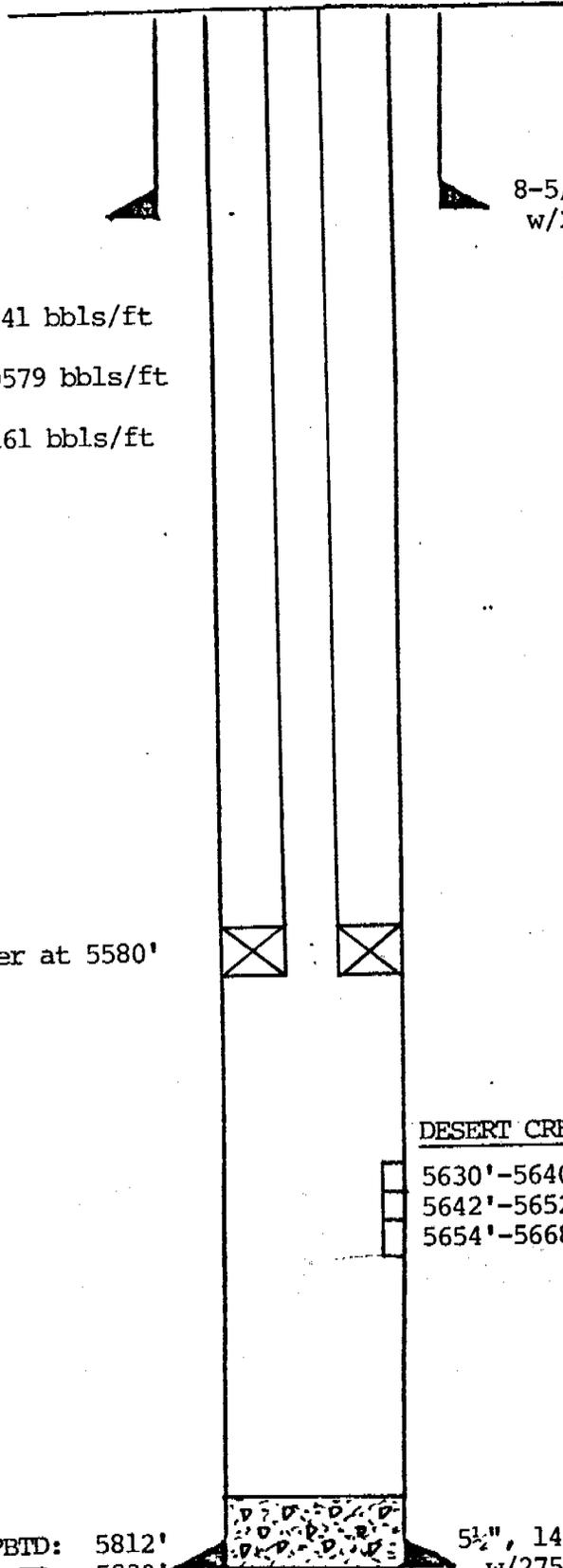
Packer at 5580'

DESERT CREEK ZONE I

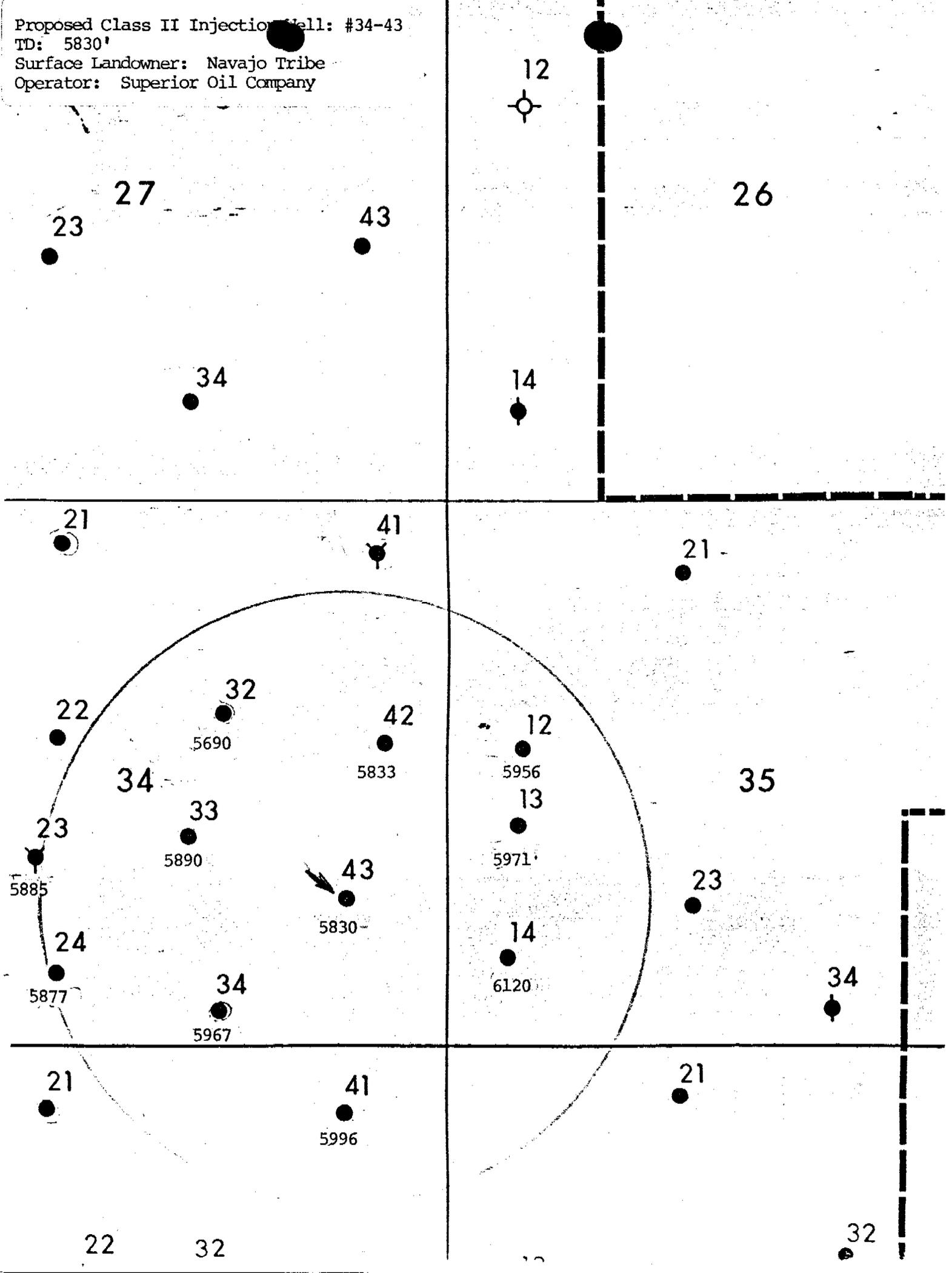
5630'-5640' (2 JSPF)  
5642'-5652' (2 JSPF)  
5654'-5668' (2 JSFP)

PBTD: 5812'  
TD: 5830'

5 1/2", 14 & 15.5E, J-55 set at 5835'  
w/275' sx cmt. to 2935'



Proposed Class II Injection Well: #34-43  
TD: 5830'  
Surface Landowner: Navajo Tribe  
Operator: Superior Oil Company





STATE OF UTAH  
 NATURAL RESOURCES  
 Oil, Gas & Mining

*Manlayne*

Scott M. Matheson, Governor  
 Temple A. Reynolds, Executive Director  
 Dianne R. Nielson, Ph.D., Division Director

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

September 19, 1984

Superior Oil Company  
 600 17th Street  
 Suite 1500S  
 Denver, Colorado 80202

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-043

Administrative approval is hereby granted to convert the below referenced wells to enhanced recovery water injection wells. This approval is conditional upon full compliance with the UIC rules and regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the well as outlined in the application submitted.

- WHITE MESA UNIT
- #35-12, Sec. 35, T41S, R24E
  - #33-43, Sec. 33, T41S, R24E
  - #34-43, Sec. 34, T41S, R24E
  - #34-34, Sec. 34, T41S, R24E
  - #33-34, Sec. 33, T41S, R24E
  - #4-34, Sec. 4, T42S, R24E
  - #4-21, Sec. 4, T42S, R24E
  - #3-21, Sec. 3, T42S, R24E
  - #34-41, Sec. 34, T41S, R24E
  - #34-32, Sec. 34, T41S, R24E
  - #34-23, Sec. 34, T41S, R24E
  - #34-21, Sec. 34, T41S, R24E
  - #34-12, Sec. 34, T41S, R24E

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

Best regards,

Dianne R. Nielson  
 Director

DN/CBF/mfp  
 010

# AFFIDAVIT OF PUBLICATI...

## PUBLIC NOTICE

BEFORE THE DIVISION OF OIL,  
GAS AND MINING, DEPART-  
MENT OF NATURAL RE-  
SOURCE, STATE OF UTAH

IN THE MATTER OF THE AP-  
PLICATION OF SUPERIOR OIL  
COMPANY, FOR ADMINISTRA-  
TIVE APPROVAL TO INJECT  
WATER INTO CERTAIN WELLS  
IN SAN JUAN COUNTY, UTAH

\*\*\*

CAUSE NO. UIC-043

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

Notice is hereby given that  
Superior Oil Company, 600 17th  
Street, Suite 1500S, Denver,  
Colorado, 80202 has requested  
administrative approval from the  
Division to convert the below  
mentioned wells to enhanced re-  
covery water injection wells as  
follows:

### WHITE MESA UNIT

- #35-12, Sec. 35, T41S, R24E
- #33-43, Sec. 33, T41S, R24E
- #34-43, Sec. 34, T41S, R24E
- #34-34, Sec. 34, T41S, R24E
- #33-34, Sec. 33, T41S, R24E
- #4-34, Sec. 4, T42S, R24E
- #4-21, Sec. 4, T42S, R24E
- #3-21, Sec. 3, T42S, R24E
- #34-41, Sec. 34, T41S, R24E
- #34-32, Sec. 34, T41S, R24E
- #34-23, Sec. 34, T41S, R24E
- #34-14, Sec. 34, T41S, R24E
- #34-21, Sec. 34, T41S, R24E
- #34-12, Sec. 34, T41S, R24E

INJECTION INTERVAL: De-  
sert Creek Formation 5474 feet  
to 5950 feet

MAXIMUM INJECTION PRES-  
SURE: 2800 psi

MAXIMUM INJECTION RATE:  
2000 Barrels per day

This application will be granted  
unless objections are filed with  
the Division of Oil, Gas and  
Mining within fifteen days after  
publication of this Notice. Ob-  
jections, if any, should be mailed  
to: Division of Oil, Gas and  
Mining, 4241 State Office Build-  
ing, Salt Lake City, Utah 84114.

DATED this 24th day of August,  
1984.

STATE OF UTAH  
DIVISION OF OIL, GAS AND  
MINING

s/ MARJORIE L. LARSON  
Administrative Assistant

Published in The San Juan Record  
September 5, 1984.

I, Joyce Martin, duly sworn,

depose and say that I am the publisher of the San  
Juan Record, a weekly newspaper of general circulation  
published at Monticello, Utah, every Wednesday; that  
notice of Application of Administrative Approval  
Cause No. UIC-043

a copy of which is hereunto attached, was published in  
the regular and entire issue of each number of said  
newspaper for a period of 1 issues, the first  
publication having been made on September 5, 1984.  
and the last publication having been made on \_\_\_\_\_

RECEIVED

SEP 10 1984

DIVISION OF OIL  
GAS & MINING

Signature

*Joyce A. Martin*  
Publisher

Subscribed and sworn to before me this 5th  
day of September, A.D. 1984.

*Ingrid Kadame*  
Notary Public  
Residing at Monticello, Utah

My commission expires December 2, 1987

Affidavit of Publication

SEP 10 1984

STATE OF UTAH,
County of Salt Lake

SS.

DIVISION OF OIL
GAS & MINING

Cheryl Gierloff

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

That the legal notice of which a copy is attached hereto

Cause No. UIC-043 - Application of Superior

Oil Company

was published in said newspaper on

September 1, 1984

Cheryl Gierloff
Legal Advertising Clerk

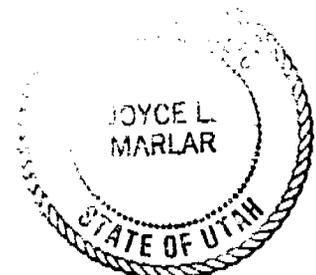
Subscribed and sworn to before me this 7th day of

September A.D. 19 84

Joyce L. Marlur
Notary Public

My Commission Expires

July 23, 1986



BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
CAUSE NO. UIC-043
IN THE MATTER OF THE APPLICATION OF SUPERIOR OIL
COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT
WATER INTO CERTAIN WELLS IN SAN JUAN COUNTY, UTAH.
THE STATE OF UTAH TO ALL INTERESTED PARTIES IN
THE ABOVE ENTITLED MATTER.
Notice is hereby given that Superior Oil Company, 600 17th
Street, Suite 1500S, Denver, Colorado 80202 has requested ad-
ministrative approval from the Division to convert the below
mentioned wells to enhanced recovery water injection wells as
follows:
WHITE MESA UNIT
#35-12, Sec. 35, T41S, R24E
#33-43, Sec. 33, T41S, R24E
#34-43, Sec. 34, T41S, R24E
#34-34, Sec. 34, T41S, R24E
#33-34, Sec. 33, T41S, R24E
#4-34, Sec. 4, T42S, R24E
#4-21, Sec. 4, T42S, R24E
#3-21, Sec. 3, T42S, R24E
#34-41, Sec. 34, T41S, R24E
#34-32, Sec. 34, T41S, R24E
#34-23, Sec. 34, T41S, R24E
#34-14, Sec. 34, T41S, R24E
#34-21, Sec. 34, T41S, R24E
#34-12, Sec. 34, T41S, R24E
INJECTION INTERVAL: Desert Creek Formation
5474' to 5950'
MAXIMUM INJECTION PRESSURE: 2800 psi
MAXIMUM INJECTION RATE: 2000 Barrels per day
This application will be granted unless objections are filed
with the Division of Oil, Gas and Mining within fifteen days after
publication of this Notice. Objections, if any, should be mailed to:
Division of Oil, Gas and Mining, 4241 State Office Building, Salt
Lake City, Utah 84114.
DATED this 24th day of August, 1984.
STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
MARJORIE L. LARSON
Administrative Assistant
D-30



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

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

San Juan Record  
Legal Advertizing  
Monticello, Utah 84535

RE: Cause No. UIC-043

Gentlemen:

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

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 5th day of September. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,  
DIVISION OF OIL, GAS AND MINING

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

*for*  
MARJORIE L. LARSON  
Administrative Assistant



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

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

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

RE: Cause No. UIC-043

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Very truly yours,  
DIVISION OF OIL, GAS AND MINING

*Marjorie L. Larson*  
*for*

MARJORIE L. LARSON  
Administrative Assistant

UIC-043

The publication was sent to the following:

Superior Oil Company  
600 17th Street  
Suite 1500S  
Denver, Colorado 80202

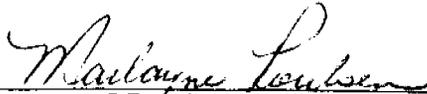
Navajo Indian Tribe  
Window Rock, Arizona 85615

Bureau of Land Management  
Branch of Fluid Minerals  
U-(922)  
University Club Building  
Salt Lake City, Utah 84111  
% Ed Gwynn

U.S. Environmental Protection Agency  
1860 Lincoln Street  
ATTN: Mike Strieby  
Denver, Colorado 80295

Utah State Department of Health  
Water Pollution Control  
ATTN: Jerry Riding  
150 W.N. Temple  
Salt Lake City, jUtah 84114

Newspaper Agency  
San Juan Record

  
August 27, 1984



*Superior*

WATER INJECTION  
#34-43

CHECKLIST FOR INJECTION WELL APPLICATION

UIC Forms

\_\_\_\_\_

Plat

\_\_\_\_\_

Surface Owners and Lease Holders

\_\_\_\_\_

Schematic Diagram

\_\_\_\_\_

Frac Gradient Information

\_\_\_\_\_

Pressure and Rate Control

\_\_\_\_\_

Fluid Source

\_\_\_\_\_

Analysis of Injected Fluid

\_\_\_\_\_

Geologic Information

\_\_\_\_\_

USDW in the Area

\_\_\_\_\_

Analysis of Injected Formation

\_\_\_\_\_

Contingency Plans

\_\_\_\_\_

Mechanical Integrity Test

\_\_\_\_\_

Aquifer Exemption

\_\_\_\_\_



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

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

December 27, 1984

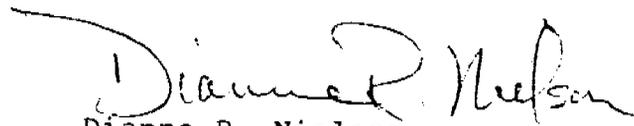
Superior Oil Company  
600 17th Street  
Suite 1500S  
Denver, Colorado 80202  
ATTN: Mr. Bo Andres

Dear Mr. Andres:

In regards to your telephone call December 20th as to why White Mesa #34-14 was missing on the approval letter of September 19, 1984. There was simply an oversight when drafting the approval letter and White Mesa 34-14 was inadvertently left out. White Mesa 34-14 Sec. 34, T41S, R24E was published in the original notice, therefore, consider the well approved.

I'm sorry for any inconvenience this might have caused you.

Best Regards,

  
Dianne R. Nielson  
Director

DN/mfp

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

---ooOoo---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-043  
OF SUPERIOR OIL COMPANY, :  
FOR ADMINISTRATIVE APPROVAL :  
TO INJECT WATER INTO CERTAIN :  
WELLS IN SAN JUAN COUNTY, UTAH :

---ooOoo---

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

Notice is hereby given that Superior Oil Company, 600 17th Street,  
Suite 1500S, Denver, Colorado 80202 has requested administrative  
approval from the Division to convert the below mentioned wells to  
enhanced recovery water injection wells as follows:

WHITE MESA UNIT

#35-12, Sec. 35, T41S, R24E  
#33-43, Sec. 33, T41S, R24E  
#34-43, Sec. 34, T41S, R24E  
#34-34, Sec. 34, T41S, R24E  
#33-34, Sec. 33, T41S, R24E  
#4-34, Sec. 4, T42S, R24E  
#4-21, Sec. 4, T42S, R24E  
#3-21, Sec. 3, T42S, R24E  
#34-41, Sec. 34, T41S, R24E  
#34-32, Sec. 34, T41S, R24E  
#34-23, Sec. 34, T41S, R24E  
#34-14, Sec. 34, T41S, R24E  
#34-21, Sec. 34, T41S, R24E  
#34-12, Sec. 34, T41S, R24E

INJECTION INTERVAL: Desert Creek Formation 5474' to 5950'  
MAXIMUM INJECTION PRESSURE: 2800 psi  
MAXIMUM INJECTION RATE: 2000 Barrels per day

This application will be granted unless objections are filed with the  
Division of Oil, Gas and Mining within fifteen days after publication of  
this Notice. Objections, if any, should be mailed to: Division of Oil,  
Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

DATED this 24th day of August, 1984.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson  
MARJORIE L. LARSON  
Administrative Assistant

415. 24E. 33  
WELL # 33. 43

orig file  
cc R. Firth

# Mobil Oil Corporation

P.O. BOX 5444  
DENVER, COLORADO 80217

January 14, 1985

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

RECEIVED

FEB 0 1985

DIVISION OF OIL  
GAS & MINING

Attention: Ms. Dianne Nielson, Director

RE: NOTICES TO SUPERIOR OIL COMPANY

Dear Ms. Nielson:

As a result of the merger which became effective on September 28, 1984, The Superior Oil Companies ("Superior") is now a wholly owned subsidiary of Mobil Corporation.

Effective January 1, 1985, ~~Mobil Oil Corporation began acting on behalf of the Superior Oil Companies as service contractor, for the purpose of performing comprehensive business management and related administrative services.~~ To this end, Superior has entered into a Services Agreement with Mobil and has issued Powers of Attorney to certain Mobil employees, whereby Mobil has agreed to perform all of Superior's obligations and duties, and shall be entitled to enforce all of Superior's rights and privileges, including but not limited to all applicable Operating Agreements and leases (see attached). This shall include, without limitation, the making and receiving of payments, the giving and receiving of notices and other information, and the performance of all other related functions. Therefore, after December 31, 1984, notices to Superior or relative to its interests, assets or obligations should designate Mobil and be mailed to:

PERMITS ONLY

Mobil Oil Corporation  
P.O. Box 5444  
Denver, Colorado 80217-5444  
Attention: R. D. Baker

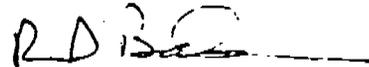
(303) 298-2577

RON

Enclosed is a list of all Superior wells. This list includes the well names, locations, API numbers and producing zone (if applicable).

We appreciate your consideration and cooperation. If you have any questions, please direct them to the undersigned.

Very truly yours,



R. D. Baker  
Environmental & Regulatory Manager - West

Enclosure

FORM NO. DOGM-UIC-5  
(1981)

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING  
Room 4241 State Office Building  
Salt Lake City, Utah 8414  
(801) 533-5771

RULE I-7 (d & e)

NOTICE OF (COMMENCEMENT) ~~TERMINATION~~ OF INJECTION  
(Circle appropriate heading)

Check Appropriate Classification:

Date of Commencement/~~Termination~~ 4/11/85

Disposal Well

Enhanced Recovery Injection Well

Enhanced Recovery Project

Well Name WHITE MESA UNIT # 34-43

Location: Section 34 Twp. 41 S Rng. 24 E County SAN JUAN

Order No. authorizing Injection \_\_\_\_\_ Date \_\_\_\_\_

Zone into Which Fluid Injected DESERT CREEK ZONE I

If this is a Notice of Termination of injection, please indicate date well commenced injection. \_\_\_\_\_

If this is a Notice of Termination of injection, please indicate if well is to be plugged or returned to production; if returned to production, indicate producing interval \_\_\_\_\_

Operator SUPERIOR OIL

Address P.O. DRW. G - CORTEZ, COLO. 81321

Signature John E. Brown

Date 4/11/85

INSTRUCTION: If this is notification of an enhanced recovery project injection termination, it must be accompanied by an individual well status report for all project injection wells.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT  
SUBMIT IN TRIPLICATE\* (Other instructions verse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-409

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

WHITE MESA UNIT

8. FARM OR LEASE NAME

9. WELL NO.

#34-43 (formerly #46)

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

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

Sec. 34 T41S, R24E SLM

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED MAY 28 1985

1. OIL WELL  GAS WELL  OTHER WATER INJECTION

2. NAME OF OPERATOR SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR DIVISION OF OIL P. O. DRAWER 'G', CORTEZ, COLORADO 81321 GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At Surface: 1266' FSL; 785' FEL: Section 34 At Top Production Interval: same At total depth: same

14. PERMIT NO. 43-037-15355

15. ELEVATIONS (Show whether DF, RT, GR, etc.) DF: 4947' GR: 4934'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF  PULL OR ALTER CASING   
FRACTURE TREAT  MULTIPLE COMPLETE   
SHOOT OR ACIDIZE  ABANDON\*   
REPAIR WELL  CHANGE PLANS   
(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF  REPAIRING WELL   
FRACTURE TREATMENT  ALTERING CASING   
SHOOTING OR ACIDIZING  ABANDONMENT\*   
(Other)

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

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

- 03-26-85: MIRU workover rig. POOH and laid down rods. RU tbg equip. and BOPs, tally out of hole w/tbg. RIH w/bit and scraper, hydro-tested @ 6500#. Tagged PBD @ 5802'. POOH w/tbg and tools.
- 03/27/85: RIH w/cmt. retainer and tbg. Set retainer @ 5550'. MIRU cementers. Sqz'd D. C. Zones I & II (5634'-5714') w/500 sxs (590 ft<sup>3</sup>) class 'B' cmt. to 1500 psig. POOH w/tools. RIH w/bit and scraper.
- 03/28/85: RU drilling equipment. Drilled out retainer and 10' cmt. RD. POOH, c/o bit, RIH.
- 03/29/85: RU drilling equipment. Drilled to PBD @ 5960'. Rolled hole w/s.w., press. test @ 1500#, test okay. RD. POOH.
- 03/30/85: MIRU perforators. Ran GR-CCL from PBD to 4000'. Perforated D. C. Zone I (5630-40'; 5642-52'; 5654-68'/2 JSPF). RD.
- 04/01/85: MIRU acidizers. RIH w/pkr. and tbg. Set pkr @ 5515'. Acidized D. C. Zone I (5630-5668') w/4000 gals. 28% HCL acid and salt plugs. Swabbed.
- 04/02/85: Swabbed.
- 04/03/85: Swabbed. POOH.
- 04/04/85: PU & RIH w/5-1/2" x 2-3/8" pkr. and 173 jts of 2-3/8" tbg w/TK-69 coating. Set pkr @ 5583'. Loaded backside w/inhibited f.w., made up wellhead, press. test backside @ 1200#, test okay. RD MO.

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

SIGNED Laurie Franchini TITLE Engineer Trainee DATE 05/17/85

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE U L Manager DATE 6/3/85

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

(November 1983)  
(formerly 9-330)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*  
(See instructions on reverse)

Budget Bureau No. 1004-0137  
Expires August 31, 1985

16

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other Water Injection

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other

RECEIVED

2. NAME OF OPERATOR  
Superior Oil Company

3. ADDRESS OF OPERATOR  
P. O. Drawer 'G' Cortez, Co 81321

MAY 28 1985

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1266' FSL; 685' FEL; Section 34  
At top prod. interval reported below Same  
At total depth Same

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-409

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

White Mesa Unit

8. FARM OR LEASE NAME

9. WELL NO.

#34-43 (formerly #46)

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. 34, T41S, R24E, SLM

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUNDED

1-18-59

16. DATE T.D. REACHED

2-10-59

17. DATE COMPL. (Ready to prod.)

2-14-59

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

GR: 4934'

19. ELEV. CASINGHEAD

4935'

20. TOTAL DEPTH, MD & TVD

5830'

21. PLUG, BACK T.D., MD & TVD

5690'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

Rotary

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Desert Creek Zone I 5624-80'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR - Neutron / GR - CCL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 J-55	195'	17-1/4"	236 ft <sup>3</sup> reg cmt to surf.	
5-1/2"	14 & 15.5 J-55	5830'	7-7/8"	325 ft <sup>3</sup> reg cmt + 75 ft Perlite	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"		5583'

31. PERFORATION RECORD (Interval, size and number)

D. C. Zone I: 5630-40'; 5642-52'; 5654-68' / 2JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>5634-5714' O/A</u>	<u>590 ft<sup>3</sup> Class 'B' cmt + 1% CaCl + 1% Halide 322 + 5#/sx Calseal</u>
<u>5630-68' O/A</u>	<u>4000 gals 28% HCL</u>

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
<u>N/A</u>							
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

James S. Andres  
James S. Andres

TITLE

Engineer

DATE

5-17-85

\*(See Instructions and Spaces for Additional Data 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.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
DESERT CREEK DST # 1	5624'	5802'	Limestone & Dolomite with Shale Partings  Open 25 min; Shut-in 1 hr Oil & Gas to surface 17 minutes  ISIP: 1400 psi IFP: 1000 psi FFP: 1150 psi FSIP: 1400 psi		
	5626'	5821'		Chinle	1535'
				Shinarump	2425'
				Cutler	2610'
				Organ Rock	2948'
				Cedar Mesa	3604'
				Hermosa	4640'
				Ismay	5474'
				Lower Ismay	5566'
				Gothic Shale	5612'
				Desert Creek	5624'
				Chimney Rock	5802'

38.

5530

5580

5597

5597

5595

5580

5555

5580

TIME DRIVE SCINTILLATION SCAN SHOWING NO  
PACKER LEAK

5580

TUBING  
RESPONSE

5580

25 SECS / INCH

# TIME DRIVE SCINTILLATION SCAN

Ejection # 3 @ 5570'

Detector at 5580'

5590

5634

5636

5630

5625

5620

TIME DRIVE SCINTILLATION SCAN SHOWING NO  
WATER GOING ABOVE THE PROFILE BEHIND THE  
CASING

5630

5636

5636

25 SECS / INCH

# TIME DRIVE SCINTILLATION SCAN

Ejection # 2 @ 5625'

Detector at 5636'

5659

5660

5670

5660

TIME DRIVE SCINTILLATION SCAN SHOWING NO  
WATER GOING BELOW 5660' BEHIND THE CASING

5658

5660

5655

5670

TIME DRIVE SCINTILLATION SCAN SHOWING NO WATER GOING BELOW 5660' BEHIND THE CASING

5660

5658

5660

5655

100 SECS / INCH

5650

5645

50 SECS / INCH

5640

5635

5630

5625

5620

5615

5610

DON'T USE

5580

5480

DON'T USE

5580

5480

25 SECS / INCH

RADIOACTIVITY

TIME

VELOCITY

Ejection # 1

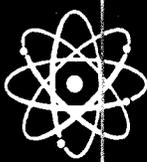
SEQUENCE

Detector of: 5400-5160

SCHEMATIC OF TRACER  
TOOL ASSEMBLY



# INJECTION ENGINEERING SERVICES



## Water Tracer Log



ANY MOBIL OIL CORP.

WHITE MESA UNIT

NO. 34-43 (46)

WHITE MESA

SAN JUAN

UTAH

COMPANY MOBIL OIL CORPORATION

ELEVATION:

WELL WHITE MESA UNIT

Depth  
Datum:

NO. 34-43 (46)

K. B.: 4939'

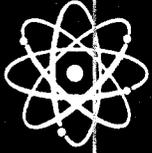
FIELD WHITE MESA

D. F.:

LOCATION SEC. 34, T41S - R24E.

G. L.: 4928'

# INJECTION ENGINEERING SERVICES



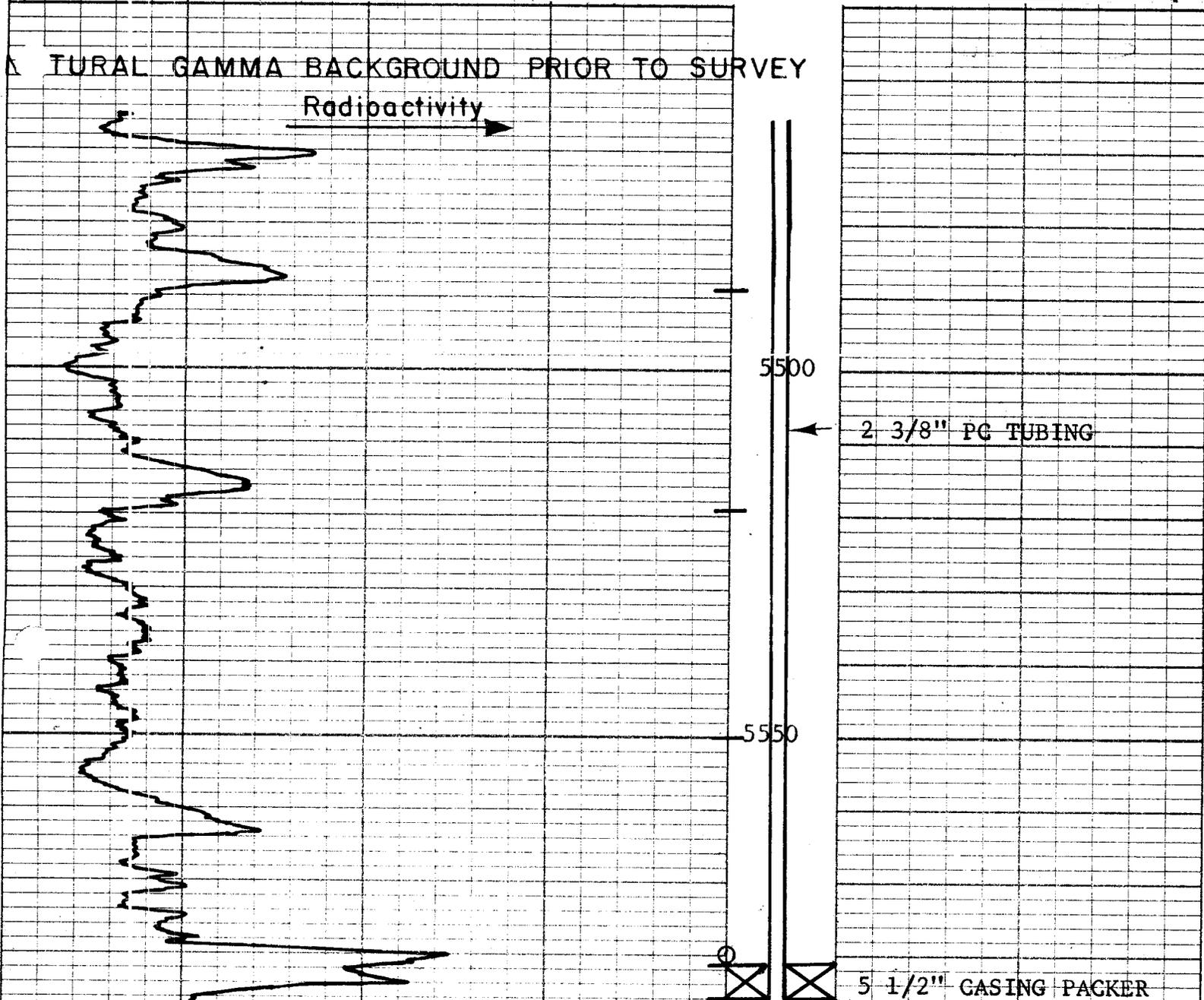
## Water Tracer Log

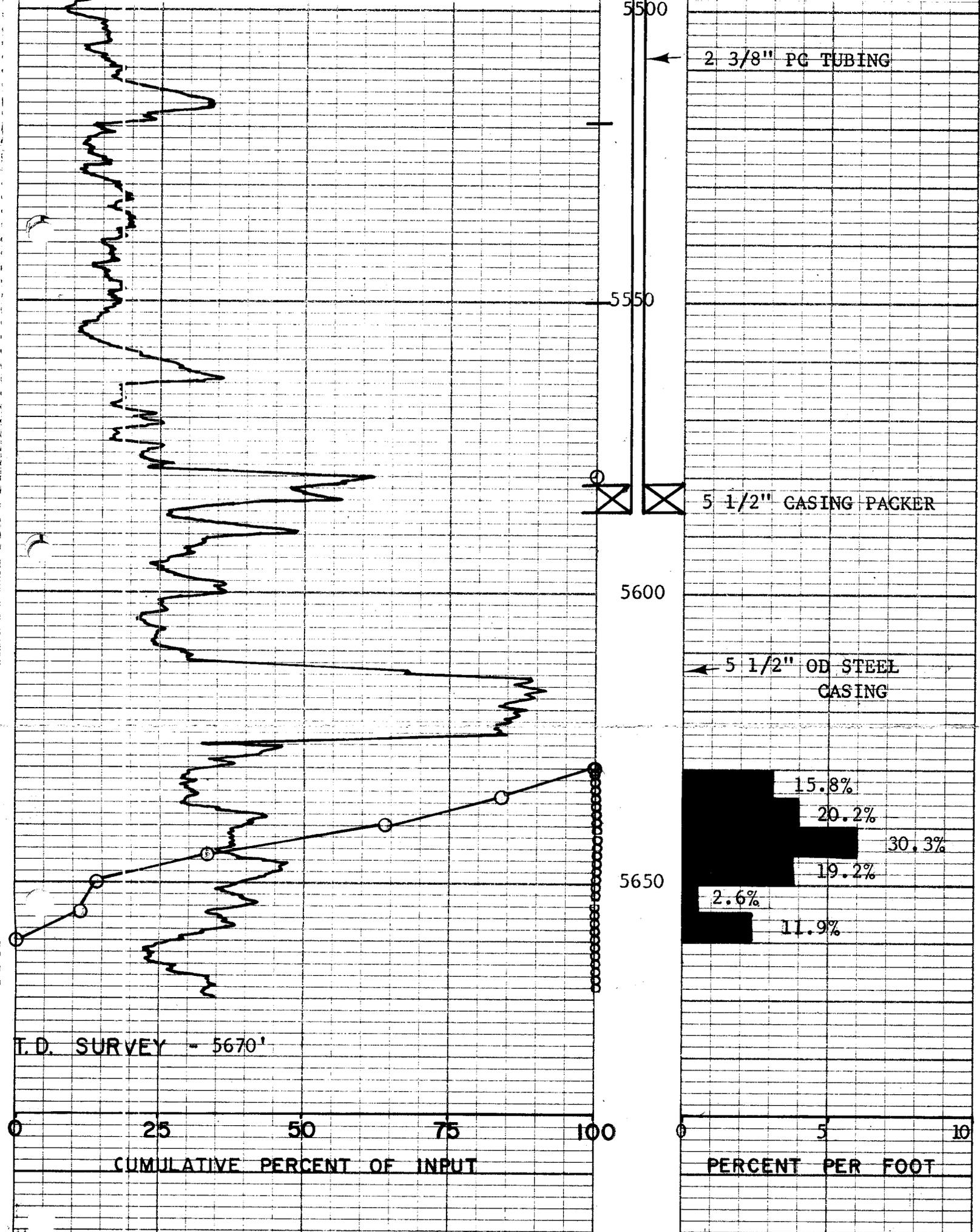


<b>COMPANY</b>	MOBIL OIL CORP.	<b>ELEVATION:</b>	
<b>WELL</b>	WHITE MESA UNIT	Depth	
<b>FIELD</b>	WHITE MESA	Datum:	
<b>COUNTY</b>	SAN JUAN	K. B.:	4939'
<b>STATE</b>	UTAH	D. F.:	
<b>COMPANY</b>	MOBIL OIL CORPORATION	G. L.:	4928'
<b>WELL</b>	WHITE MESA UNIT		
<b>FIELD</b>	WHITE MESA		
<b>COUNTY</b>	SAN JUAN		
<b>STATE</b>	UTAH		
<b>LOCATION</b>	SEC. 34, T41S - R24E.		
<b>COUNTY</b>	SAN JUAN		
<b>STATE</b>	UTAH		

<b>RUN NO.</b>	ONE	<b>RECEIVED</b> AUG 26 1985 MIDLAND OIL & GAS
<b>Date</b>	8-9-85	
<b>Depth Reached</b>	5670'	
<b>Bottom Driller</b>	5685'-PBSD	
<b>Depth Datum</b>	11' ABOVE G.L.	
<b>Casing Shoe Survey</b>	-	
<b>Casing Shoe Driller</b>	T. D.	
<b>Casing Size</b>	5 1/2"-14#	
<b>Tubing Size</b>	2 3/8" PC ON PKR. @ 5583'-DRLR.	
<b>Injector Pressure - p.s.i.</b>	0	
<b>Injector Rate - bbls./hr.</b>	24.7	
<b>Injector Rate - bbls./day</b>	593 E = $\frac{\text{DOWNHOLE RATE}}{\text{METERED RATE}} = 1.09 \text{ TBG.}; 1.11 \text{ CSG.}$	
<b>Formation Under Flood</b>	DESERT CREEK - ZONE 1	
<b>Open Hole</b>	NONE	
<b>Interval of Perforations</b>	SEE BELOW:	
<b>Recording Speed - ft./min.</b>	10-20	
<b>Time Constant - sec.</b>	2-1	
<b>Sensitivity</b>	G(10-3)10.0	
<b>Truck No.</b>	1B	
<b>Recorded By</b>	FORD	
<b>Witnessed By</b>	ANDRES	

**Remarks:** PERFS. - DRLR.: 5630'-40', 5642'-52', 5654'-68'.  
 TIME DRIVE SCINTILLATION SCANS SHOWED NO INDICATION OF ANY WATER TO BE GOING BELOW 5660' NOR ABOVE THE PROFILE BEHIND THE CASING.  
 NO PACKER LEAK WAS EVIDENT.





STA. NO. EJ#	RATE BBLs./DAY	DEPTH INTERVAL	CAPACITY OF INTERVAL BBLs.	INJECTION VOLUME TO FILL INTERVAL BBLs.	% WATER GOING IN OR BELOW BASE OF INTERVAL	PRESS. P.S.I.
1-1	593	5480' - 5580'	.374	.374	100.0	0
2-1	593	5610' - 5630'	.488	.488	100.0	0
3-1	593	5630' - 5635'	.122	.1449	84.2	0
4-1	593	5635' - 5640'	.122	.1906	64.0	0
5-1	593	5640' - 5645'	.122	.362	33.7	0
6-1	593	5645' - 5650'	.122	.8414	14.5	0
7-1	593	5650' - 5655'	.122	1.025	11.9	0
8-1	593	5655' - 5660'	.122	∞	0.0	0

# Mobil Oil Corporation

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

May 14, 1986

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

Attn: R. J. Firth  
Associate Director

RECEIVED  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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

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

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

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

Very truly yours,



R. D. Baker  
Environmental Regulatory Manager

CNE/rd  
CNE8661

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	ST A T E A P I N U M B E R	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
WHITE MESA	33-23 ✓	SAN JUAN	UT	NE	SE	33-41S-24E	INJ	SI	43-037-16445	14-20-603-409	96-004193
	33-34 ✓	SAN JUAN	UT	SW	SE	33-41S-24E	INJ	OP	43-037-15359	14-20-603-409	96-004193
	33-41 ✓	SAN JUAN	UT	NE	NE	33-41S-24E	INJ	SI	43-037-16443	14-20-603-409	96-004193
	33-43 ✓	SAN JUAN	UT	NE	SW	33-41S-24E	INJ	OP	43-037-15356	14-20-603-409	96-004193
	34-12 ✓	SAN JUAN	UT	SW	NW	34-41S-24E	INJ	OP	43-037-15353	14-20-603-409	96-004193
	34-14 ✓	SAN JUAN	UT	SW	SW	34-41S-24E	INJ	OP	43-037-15360	14-20-603-409	96-004193
	34-21 ✓	SAN JUAN	UT	NE	NW	34-41S-24E	INJ	OP	43-037-15350	14-20-603-409	96-004193
	34-23 ✓	SAN JUAN	UT	NE	SW	34-41S-24E	INJ	OP	43-037-16444	14-20-603-409	96-004193
	34-32 ✓	SAN JUAN	UT	SW	NE	34-41S-24E	INJ	OP	43-037-15354	14-20-603-409	96-004193
	34-34 ✓	SAN JUAN	UT	SW	SE	34-41S-24E	INJ	OP	43-037-15361	14-20-603-409	96-004193
	34-43 ✓	SAN JUAN	UT	NE	SE	34-41S-24E	INJ	OP	43-037-15355	14-20-603-409	96-004193
	35-12 ✓	SAN JUAN	UT	SW	NW	35 41S-24E	INJ	OP	43-037-15529	14-20-603-258	96-004193

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

OPERATOR: Mobil Oil  
 FIELD: Greater Aneth LEASE: White Mesa  
 WELL # 33-43 SEC. 33 TOWNSHIP 41s RANGE 24E  
 STATE (FED.) FEE DEPTH 5661 TYPE WELL INJW MAX. INJ. PRESS. 2800

TEST DATE 7/15/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>13 3/8</u>	<u>174</u>	<u>200</u>		<u>Shut-IN</u>	
<u>INTERMEDIATE</u>	<u>8 5/8</u>	<u>1415</u>	<u>250</u>	<u>- 0 -</u>		
<u>PRODUCTION</u>	<u>5 1/2</u>	<u>5660</u>	<u>350</u>			

TUBING 2 7/8 5470 maximum  
Packer at 5470

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

TUBING

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

TUBING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

6. If Indian, Allottee or Tribe Name  
Navajo Tribal

**SUBMIT IN TRIPLICATE**

7. If Unit or CA, Agreement Designation  
White Mesa Unit

1. Type of Well

Oil Well  Gas Well  Other **INJECTION WELL**

8. Well Name and No.  
34-43

2. Name of Operator

Mobil Oil Corporation

9. API Well No.

43-037-15355

3. Address and Telephone No.

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

10. Field and Pool, or Exploratory Area  
Greater Aneth

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

1266' FSL, 785' FEL, Sec. 34, T41S, R24E

11. County or Parish, State  
San Juan, UT

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

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

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

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

As of October 1, 1992

US Oil & Gas, Inc.  
P.O. Box 270  
Dolores, CO 81323

Will Be Taking Over Operatorship

**RECEIVED**

NOV 02 1992

DIVISION OF  
OIL, GAS & MINING

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

Signed Shirley Todd Shirley Todd Title Env. & Reg. Technician Date 10-23-92

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:



# US Oil & Gas, Inc.



December 21, 1992

ATTN: Lesha Romero  
Utah Natural Resources  
Oil, Gas & Mining  
3 Triad Center  
Suite 350  
Salt Lake City, UT 84180-1203

RECEIVED

DEC 24 1992

DIVISION OF  
OIL GAS & MINING

Dear Ms. Romero:

Effective October 1, 1992 US Oil & Gas, Inc., purchased and took over operations of the White Mesa Unit in the Greater Aneth, Utah area from Mobil E. & P.N.A.

Attached is a listing of the wells effected by this purchase.

Enclosed are copies of the sundry notices filed with the B.L.M. since USO & G took over operations.

Thank You,

*Mandy Woosley*

Mandy Woosley,  
Corporate Secretary

MW/lu

Enclosures

✓Type: Oil Well  
Location: 2009' FSL, 610' FEL, Sec. 28, T41S, R24E  
Lease: 14-20-603-409  
Name: 28-34 28-43  
API No: 43-037-15349

✓Type: Oil Well  
Location: 1936' FSL, 1943' FWL, Sec. 21, T41S, R24E  
Lease: 14-20-603-409  
Name: 27-23  
API No: 43-037-15345

✓Type: Oil Well  
Location: 2070' FNL, 2110' FWL, Sec. 3, T42S, R24E  
Lease: 14-20-603-410  
Name: 3-32  
API No: 43-037-15621

✓Type: Oil Well  
Location: 503' FSL 1980' FEL Sec. 32, T41S, R24E  
Lease: 14-20-603-407  
Name: 32-34  
API No: 43-037-15358

✓Type: Oil Well  
Location: 1980' FNL, 679' FWL, Sec. 27, T41S, R24E  
Lease: 14-20-603-409  
Name: 27-12  
API No: 43-037-15345

✓Type: Oil Well  
Location: 660' FSL, 1660' FWL, Sec. 23, T41S, R24E  
Lease: 14-20-603-370B  
Name: 23-14  
API No: 43-037-16006

✓Type: Oil Well  
Location: 570' FNL, 815' FEL, Sec. 3, T42S, R24E  
Lease: 14-20-603-410  
Name: 3-41  
API No: 43-037-15362

✓Type: Oil Well  
Location: 345' FSL, 1980' FEL, Sec. 35, T41S, R24E  
Lease: 14-20-603-258  
Name: 35-34  
API No: 43-037-15533

✓Type: Oil Well  
Location: 1545' FSL, 1865' FWL, Sec. 32, T41S, R24E  
Lease: 14-20-603-407  
Name: 32-23  
API No: 43-037-15357

✓Type: Oil Well  
Location: 660' FNL, 1980' FWL, Sec. 35, T41S, R24E  
Lease: 14-20-603-258A  
Name: 35-21  
API No: 43-037-15528

✓Type: Oil Well  
Location: 556' FNL, 625' FEL, Sec. 8, T42S, R24E  
Lease: 14-20-603-408  
Name: 8-41  
API No: 43-037-15371

✓Type: Oil Well  
Location: 1266' FSL, 785' FEL, Sec. 34, T41S, R24E  
Lease: 14-20-603-258  
Name: 35-12  
API No: 43-037-15529

✓Type: Oil Well  
Location: 500' FNL, 1980' FWL, Sec. 2, T42S, R24E  
Lease: 14-20-603-259  
Name: 2-21  
API No: 43-037-15535

✓Type: Oil Well  
Location: 1266' FSL, 785' FEL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-43  
API No: 43-037-15355

✓Type: Oil Well  
Location: 352' FSL, 1942' FEL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-34  
API No: 43-037-15361

✓Type: Oil Well  
Location: 1927' FNL, 1909' FEL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-32  
API No: 43-037-15354

✓Type: Oil Well  
Location: 1476' FSL, 1928' FWL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-23  
API No: 43-037-16444

✓Type: Oil Well  
Location: 535' FNL, 2059' FWL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-21  
API No: 43-037-15350

✓Type: Oil Well  
Location: 496' FSL, 602' FWL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-14  
API No: 43-037-15360

✓Type: Oil Well  
Location: 1760' FNL, 715' FWL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-12  
API No: 43-037-15353

✓Type: Oil Well  
Location: 698' FSL, 1843' FEL, Sec. 33, T41S, R24E  
Lease: 14-20-603-409  
Name: 33-34  
API No: 43-037-15359

✓Type: Oil Well  
Location: 1547' FSL, 1918' FWL, Sec. 33, T41S, R24E  
Lease: 14-20-603-409  
Name: 33-23  
API No: 43-037-16445

✓Type: Oil Well  
Location: 660' FNL, 1980' FWL, Sec. 4, T42S, R24E  
Lease: 14-20-603-410  
Name: 4-21  
API No: 43-037-15364

✓Type: Oil Well  
Location: 563' FNL, 1980' FSL, Sec. 3, T42S, R24E  
Lease: 14-20-603-410  
Name: 3-21  
API No: 43-037-15363

✓Type: Oil Well  
Location: 1983' FNL, 475' FWL, Sec. 3, T42S, R24E  
Lease: 14-20-603-410  
Name: 3-12  
API No: 43-037-15366

✓Type: Oil Well  
Location: 1980' FNL, 1980' FEL, Sec. 4, T42S, R24E  
Lease: 14-20-603-410  
Name: 4-32  
API No: 43-037-15365

✓Type: Oil Well  
Location: 625' FSL, 1995' FWL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-24  
API No: 43-037-30098

✓Type: Oil Well  
Location: 820' FNL, 2100' FWL, Sec. 27, T41S, R24E  
Lease: 14-20-603-409A  
Name: 27-21  
API No: 43-037-15348

✓Type: Oil Well  
Location: 510' FSL, 2140' FEL, Sec. 23, T41S, R24E  
Lease: 14-20-603-355A  
Name: 22-34  
API No: 43-037-15761

✓Type: Oil Well  
Location: 2080' FNL, 500' FEL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-42  
API No: 43-037-30102

✓Type: Oil Well  
Location: 1975' FNL, 2013' FWL, Sec. 27, T41S, R24E  
Lease: 14-20-603-409A  
Name: 22-27 22-22  
API No: 43-037-31064

✓Type: Oil Well  
Location: 554' FSL, 464' FEL, Sec. 33 T41S, R24E  
Lease: 14-20-603-409  
Name: 33-44  
API No: 43-037-15359

✓Type: Oil Well  
Location: 1900' FSL, 615' FWL, Sec. 35, T41S, R24E  
Lease: 14-20-603-258  
Name: 35-13  
API No: 43-037-30331

✓Type: Oil Well  
Location: 1980' FNL, 660' FEL, Sec. 4, T42S, R24E  
Lease: 14-20-603-410  
Name: 4-42  
API No: 43-037-30078

✓Type: Oil Well  
Location: 796' FSL, 2159' FWL, Sec. 4 T42S, R24E  
Lease: 14-20-603-410  
Name: 4-24  
API No: 43-037-31006

✓Type: Oil Well  
Location: 2040' FSL, 740' FWL, Sec. 36, T41S R24E  
Lease: 14-20-603-258  
Name: 36-12  
API No: 43-037-15530

✓Type: Oil Well  
Location: 1980' FNL, 1980' FEL, Sec. 10, T42S, R24E  
Lease: 14-20-603-410  
Name: 10-32  
API No: 43-037-15372

✓Type: Oil Well  
Location: 1529' FSL, 365' FWL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-13  
API No: 43-037-31066

✓Type: Oil Well  
Location: 1980' FNL, 1980' FWL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-22  
API No: 43-037-30295

✓Type: Oil Well  
Location: 2140' FEL, 820' FSL, Sec. 27, T41S, R24E  
Lease: 14-20-603-409A  
Name: 27-34  
API No: 43-037-16255

✓Type: Oil Well  
Location: 2118' FSL, 740' FEL, Sec. 27, T41S, R24E  
Lease: 14-20-603-409  
Name: 27-43  
API No: 43-037-15347

✓Type: Oil Well  
Location: 1980' FSL, 660' FEL, Sec. 22, T41S R24E  
Lease: 14-20-603-355A  
Name: 22-43  
API No: 43-037-15760

✓Type: Oil Well  
Location: 2140' FNL, 820' FWL, Sec 23, T41S, R24E  
Lease: 14-20-603-370B  
Name: 23-12  
API No: 43-037-16002

✓Type: Oil Well  
Location: 660' FNL, 1980' FWL, Sec. 23, T41S, R24E  
Lease: 14-20-603-370B  
Name: 23-21  
API No: 43-037-16000

✓Type: Oil Well  
Location: 1050' FEL, 1600' FNL, Sec. 23, T41S, R24E  
Lease: 14-20-603-370B  
Name: 23-42  
API No: 43-037-31043

✓Type: Oil Well  
Location: 271' FNL, 987' FWL, Sec. 2, T42S, R24E  
Lease: 14-20-603-259  
Name: 2-11  
API No: 43-037-31005

✓Type: Oil Well  
Location: 2105' FNL, 584' FWL, Sec. 2, T42S, R24E  
Lease: 14-20-603-259  
Name: 2-12  
API No: 43-037-15535

✓Type: Oil Well  
Location: 675' FSL, 530' FWL, Sec. 35, T41S, R24E  
Lease: 14-20-603-258  
Name: 35-14  
API No: 43-037-15532

✓Type: Oil Well  
Location: 1250' FSL, 2040' FWL, Sec. 35, T41S, R24E  
Lease: 14-20-603-258  
Name: 35-23  
API No: 43-037-15531

✓Type: Oil Well  
Location: 760' FNL, 1980' FWL, Sec. 36, T41S R24E  
Lease: 14-20-603-258  
Name: 36-21  
API No: 43-037-15526

✓Type: Oil Well  
Location: 660' FSL, 660' FWL, Sec. 25, T41S, R24E  
Lease: 14-20-603-258  
Name: 25-14  
API No: 43-037-15525

✓Type: Oil Well  
Location: 1800' FSL, 2163' FEL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-33  
API No: 43-037-30296

✓Type: Oil Well  
Location: 850' FNL, 1740' FEL, Sec. 4, T42S, R24E  
Lease: 14-20-603-410  
Name: 4-31  
API No: 43-037-30330

✓Type: Oil Well  
Location: 553' FSL, 664' FEL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-44  
API No: 43-037-31067

✓Type: Oil Well  
Location: 1800' FSL, 2163' FEL, Sec. 34, T41S, R24E  
Lease: 14-20-603-409  
Name: 34-33  
API No: 43-037-30296

✓Type: Oil Well  
Location: 490' FNL, 2318' FEL, Sec. 34, T41S, R24E  
Lease: 14-20-603-410  
Name: 34-31  
API No: 43-037-31054

✓Type: Oil Well  
Location: 713' FNL, 975' FWL, Sec. 3, T42S, R24E  
Lease: 14-20-603-410  
Name: 3-11  
API No: 43-037-30293

✓Type: Oil Well  
Location: 1980' FSL, 2080' FEL, Sec. 4, R42S R24E  
Lease: 14-20-603-410  
Name: 4-33  
API No: 43-037-30292

✓Type: Oil Well  
Location: 810' FNL, 660' FEL, Sec. 23, T41S, R24E  
Lease: 14-20-603-370B  
Name: 23-41  
API No: 43-037-16001

✓Type: Oil Well  
Location: 667' FNL, 776' FEL, Sec. 4, T42S, R24E  
Lease: 14-20-603-410  
Name: 4-41  
API No: 43-037-16446

✓Type: Oil Well  
Location: 660' FWL, 1980' FWL Sec. 35, T41S, R24E  
Lease: 14-20-603-258  
Name: 35-21  
API No: 43-037-15528

✓Type: Oil Well  
Location: 1849' FNL, 2051' FEL, Sec. 23, T41S, R24E  
Lease: 14-20-603-370B  
Name: 23-32  
API No: 43-037-16003

✓Type: Oil Well  
Location: 684' FSL, 1984' FEL, Sec. 28, T41S, R24E  
Lease: 14-20-603-409  
Name: 28-34  
API No: 43-037-16441

✓Type: Oil Well  
Location: 1650' FNL, 990' FEL, Sec. 22, T41S, R24E  
Lease: 14-20-603-355A  
Name: 22-42  
API No: 43-037-16437

✓Type: Oil Well  
Location: 2001' FSL, 440' FEL, Sec. 4, T42S, R24E  
Lease: 14-20-603-410  
Name: 4-43  
API No: 43-037-15369

✓Type: Oil Well  
Location: 1528' FSL, 663' FEL, Sec. 33, T41S, R24E  
Lease: 14-20-603-409  
Name: 33-43  
API No: 43-037-155356

✓Type: Oil Well  
Location: 711' FNL, 584' FEL, Sec. 33, T41S, R24E  
Lease: 14-20-603-409  
Name: 33-41  
API No: 43-037-16443

✓Type: Oil Well  
Location: 1950' FNL, 1980' FEL, Sec. 22, T41S, R24E  
Lease: 14-20-603-355A  
Name: 22-32  
API No: 43-037-15759

✓Type: Oil Well  
Location: 1980' FSL, 1980' FWL, Sec. 22, T41S, R24E  
Lease: 14-20-603-355A  
Name: 22-23  
API No: 43-037-16438

✓Type: Oil Well  
Location: 660' FNL, 2073' FEL, Sec. 4, T42S, R24E  
Lease: 14-20-603-410  
Name: 4-34  
API No: 43-037-16449

✓Type: Oil Well  
Location: 724' FSL, 694' FWL, Sec. 4, T41S, R24E  
Lease: 14-20-603-410  
Name: 4-14  
API No: 43-037-16448

✓Type: Oil Well  
Location: 200' FSL, 2042' FWL, Sec. 3, T42S, R24E  
Lease: 14-20-603-410  
Name: 3-23  
API No: 43-037-06447

✓Type: Oil Well  
Location: 1980' FSL, 1980' FWL, Sec. 23, T41S, R24E  
Lease: 14-20-603-370B  
Name: 23-23  
API No: 43-037-16005

✓Type: Oil Well  
Location: 820' FSL, 500' FWL, Sec. 2, T42S, R24E  
Lease: 14-20-603-259  
Name: 2-14  
API No: 43-037-15537

✓Type: Oil Well  
Location: 1662' FNL, 1576' FWL, Sec. 35, T41S, R24E  
Lease: 14-20-603-258  
Name: 35-22  
API No: 43-307-31068

✓Type: Oil Well  
Location: 2030' FSL, 550' FEL, Sec. 3, T42S, R24E  
Lease: 14-20-603-410  
Name: 3-43  
API No: 43-037-15368

✓Type: Oil Well  
Location: 2057' FNL, 2326' FWL, Sec. 4, T24S, R24E  
Lease: 14-20-603-410  
Name: 4-22  
API No: 43-037-31069

✓Type: Oil Well  
Location: 1980' FNL, 1980' FEL, Sec. 33, T41S, R24E  
Lease: 14-20-603-409  
Name: 33-32  
API No: 43-037-15352

✓Type: Oil Well  
Location: 1980' FNL, 1813' FEL, Sec. 27, T41S, R24E  
Lease: 14-20-603-409  
Name: 27-32  
API No: 43-037-15346

✓Type: Oil Well  
Location: 1864' FSL, 1942' FWL, Sec. 28, T41S, R24E  
Lease: 14-20-603-409  
Name: 28-23  
API No: 43-037-10244

✓Type: Oil Well  
Location: 730' FNL, 559' FEL, Sec. 28, T41S, R24E  
Lease: 14-20-603-409  
Name: 28-41  
API No: 43-037-16440

✓Type: Oil Well  
Location: 1820' FNL, 1860' FEL, Sec. 2, T42S, R24E  
Lease: 14-20-603-259  
Name: 2-32  
API No: 43-037-15536

Routing	
1- LCK / GIL	
2- DTS/57-10/14	
3- VLC	
4- RJE	✓
5- RJA	
6- ADA	

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 10-01-92)  
 (MOBIL OIL CORPORATION)

TO (new operator)	<u>U S OIL &amp; GAS, INC.</u>	FROM (former operator)	<u>M E P N A</u>
(address)	<u>PO BOX 270</u>	(address)	<u>POB 219031 1807A RENTWR</u>
	<u>DOLORES, CO 81323</u>		<u>DALLAS, TX 75221-2585</u>
	<u>MANDY WOOSLEY</u>		<u>SHIRLEY TODD/MIDLAND, TX</u>
	phone <u>(303) 882-7923</u>		phone <u>(915) 688-2585</u>
	account no. <u>N7420</u>		account no. <u>N 7370</u>

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

**\*WHITE MESA UNIT (NAVAJO)**

Name: <b>*SEE ATTACHED*</b>	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Jcf 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 11-2-92)
- Jcf 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 11-2-92) (Reg. 12-16-92) (Rec'd 12-24-92)
- Jcf 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) yes If yes, show company file number: #1165940.
- \* 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.
- Jcf 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (12-29-92)
- Jcf 6. Cardex file has been updated for each well listed above. (12-29-92)
- Jcf 7. Well file labels have been updated for each well listed above. (12-29-92)
- Jcf 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (12-29-92)
- Jcf 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 1/19/93 1993. If yes, division response was made by letter dated 1/19/93 1993.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 1/19/93 1993, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILED

- 1. All attachments to this form have been microfilmed. Date: 1/19/93 1993.

FILED

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

REMARKS

921216 Btm / Farmington N.M. Not approved by the BIA as of yet.

921229 Btm / Farmington N.M. " "

921229 MEPNA / US Oil & Gas - Requested UIC Form 5 (oper. chg. per Admin.) \* Rec'd 1-7-93.

RECEIVED

JAN 07 1995

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

DIVISION OF  
OIL, GAS & MINING

Well name and number: \_\_\_\_\_  
Field or Unit name: WHITE MESA UNIT API no. \_\_\_\_\_  
Well location: QQ \_\_\_\_\_ section \_\_\_\_\_ township \_\_\_\_\_ range \_\_\_\_\_ county \_\_\_\_\_  
Effective Date of Transfer: 10-01-92

CURRENT OPERATOR

Transfer approved by:

Name Shirley Todd Company MOBIL OIL CORPORATION  
Signature Shirley Todd Address P O Box 633  
Title Engineer Technician Midland, TX 79705  
Date 12-29-92 Phone ( 915 ) 688-2585

Comments:

NEW OPERATOR

Transfer approved by:

Name Mandy Woosley Company U.S. OIL & GAS INC.  
Signature Mandy Woosley Address P.O. Box 270  
Title Corporation Secretary Delores, CO 81323  
Date 1/5/93 Phone ( 303 ) 882-7923

Comments:

(State use only)

Transfer approved by [Signature] Title UIC MANAGER  
Approval Date 1-14-93

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

RECEIVED  
MAY 9 1994

1. Type of Well  
 Oil Well    Gas Well    Other WATER INJECTION WELL

2. Name of Operator  
 US OIL & GAS, INC.      DIVISION OF OIL GAS & MINING

3. Address and Telephone No.  
 P.O. BOX 270 DOLORES, CO 81323 (303) 882-7923

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1266' FSL, 785' FEL, SEC. 34, T41S, R24E

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

6. If Indian, Allottee or Tribe Name  
 NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
 WHITE MESA

8. Well Name and No.  
 WMU 34-43

9. API Well No.  
 43-037-15355

10. Field and Pool, or Exploratory Area  
 GREATER ANETH

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

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form 1)

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

4/5/94 -Unset packer P.O.O.H. with Injection string & packer, found hole in sixth joint and also packer was washed.

4/6/94 -R.I.H. with bit and scraper and no fill P.O.O.H. with the same. R.I.H. with new packer. Pumped in 20 bbls. of packer fluid, set packer @ 5,546.07 then pumped in 80 bbls. more packer fluid. Pressure tested 1000 lb PSI. Held OK.

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

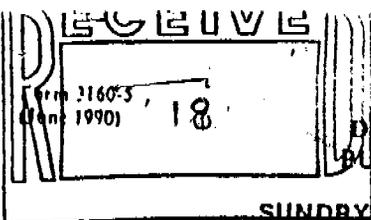
Signed James D. [Signature] Title Field Supervisor Date 4/11/94

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

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

\*See instruction on Reverse Side



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other WATER INJECTION WELL

2. Name of Operator

US OIL & GAS, INC.

3. Address and Telephone No.

P.O. BOX 270 DOLORES, CO 81323 (303) 882-7923

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

1266' FSL, 785' FEL, SEC. 34, T41S, R24E

FORM APPROVED Budget Bureau No. 1804-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-409

6. If Indian, Alliance or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

WHITE MESA

8. Well Name and No.

WMU 34-43

9. API Well No.

43-037-15355

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN, UTAH

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

TYPE OF SUBMISSION

- Notice of Intent
Subsequent Report
Final Abandonment Notice

TYPE OF ACTION

- Abandonment
Recompletion
Plugging Back
Casing Repair
Altering Casing
Other Repair Packer

- Change of Plans
New Construction
Non-Routine Fracturing
Water Shut-Off
Conversion to Injection
Dispose Water

Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form

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

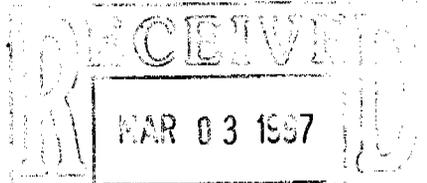
4/5/94 -Unset packer P.O.O.H. with Injection string & packer, found hole in sixth joint and also packer was washed.

4/6/94 -R.I.H. with bit and scraper and no fill P.O.O.H. with the same. R.I.H. with new packer. Pumped in 20 bbls. of packer fluid, set packer @ 5,546.07 then pumped in 80 bbls. more packer fluid. Pressure tested 1000 lb PSI. Held OK.

RECEIVED BLM

94 MAY -6 AM 11:00

070 P.M.



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

Signature James D. ...

Title Field Supervisor

Date 4/11/94

Approved by Conditions of approval, if any:

Title

ACCEPTED FOR RECORD

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

MAY 10 1994 FARMINGTON DISTRICT OFFICE

**US OIL & GAS, INC.**  
**LIST OF WATER INJECTION WELLS**

<b>WELL NO:</b>	<b>STATUS</b>	<b>REMARKS</b>
2-21	Water Injection Well - <b>ACTIVE</b>	This is a recovery Well - not a disposal well.
3-12	Water Injection Well - <b>SHUT IN</b>	This well is currently shut-in. We are working on putting an upgraded water injection system on it.
3-21	Water Injection Well - <b>ACTIVE</b>	
4-21	Water Injection Well - <b>SHUT IN</b>	
4-32	Water Injection Well - <b>TEMPORARILY ABANDONED</b>	
4-34	Water Injection Well - <b>PLUGGED AND ABANDONED</b>	
4-41	Water Injection Well - <b>SHUT IN</b>	
33-34	Water Injection Well - <b>SHUT IN</b>	As I prepared this report for you, it came to my attention that I have been incorrectly reporting this well. This well is shut in and the volumes reported under this well should have been reported under well 34-34 instead of well 33-34 clerical error.
33-43	Water Injection Well - <b>PLUGGED AND ABANDONED</b>	
34-12	Water Injection Well - <b>ACTIVE</b>	
34-14	Water Injection Well - <b>ACTIVE</b>	This well is active.
34-21	Water Injection Well - <b>ACTIVE</b>	
34-23	Water Injection Well - <b>ACTIVE</b>	
34-32	Water Injection Well - <b>SHUT IN</b>	This well is now Shut-In, it was active and now is Inactive
34-34	Water Injection Well - <b>ACTIVE</b>	
34-43	Water Injection Well - <b>ACTIVE</b>	
35-12	Water Injection Well - <b>ACTIVE</b>	

**NOTES:**

\*US Oil & Gas, Inc. does not have any disposal wells, only recovery wells.

\*\* Please see attached Sundries for all of the above listed water injection wells.

<b>RECAP:</b>	
9	Active Water Injection Wells
5	Shut-In Water Injection Wells
1	Temporarily Abandoned
2	Plugged and Abandoned
17	Total Water Injection Wells



**US OIL & GAS, INC.**

March 22, 1999

Utah Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

RE: Annual Status Report

Dear Mr. Staley:

Please accept the enclosed document as the Annual Status Report as required by UT Admin. R 649-8-10 for the White Mesa Unit which is located in the Greater Aneth Area, Southeastern, UT.

If you have any questions or comments, please feel free to call me either at the phone listed below or I can also be reached at cellular (970) 560-1141.

Sincerely,

Patrick B. Woosley, Vice President

By MW

PB/mw

Enclosures

525 N. BROADWAY - CORTEZ, CO 81321  
PHONE (970) 565-0793 FAX (970) 565-7112

43.037.15355

WHITE MESA UNIT WELLS BY TRACTS & STATUS

TRACT # 1 LEASE # 14-20-603-258

WELLS # 26-12 P&Ad ✓ 35-22 P&Ad  
26-14 P&Ad ✓ 35-12 WIW  
25-23 P&Ad ✓ 35-13 POW  
✓ 25-14 POW ✓ 35-14 POW  
25-34 P&Ad ✓ 35-23 T&Ad (PA)  
✓ 35-21 P&Ad ✓ 35-34 POW  
35-41 P&Ad

TRACT # 2 LEASE # 14-20-603-258

WELLS # ✓ 36-21 POW  
✓ 36-12 POW  
36-22 P&Ad

TRACT # 3 LEASE # 14-20-603-259

WELLS # ✓ 2-11 POW 2-23 P&Ad  
✓ 2-21 WIW ✓ 2-14 P&Ad  
✓ 2-12 POW 11-11 D&Ad  
2-23 P&Ad

TRACT # 5 LEASE # 14-20-603-355

WELLS # ✓ 22-32 P&Ad ✓ 22-43 POW  
✓ 22-42 P&Ad ✓ 22-34 POW  
✓ 22-23 P&Ad

TRACT # 6 LEASE # 14-20-603-370

WELLS # ✓ 23-21 POW ✓ 23-23 P&Ad  
✓ 23-41 POW 23-33 P&Ad  
✓ 23-12 POW ✓ 23-14 POW  
✓ 23-32 P&Ad 23-34 P&Ad  
✓ 23-42 POW

TRACT # 7 LEASE # 14-20-603-407

WELLS # ✓ 32-23 POW  
32-14 P&Ad  
✓ 32-34 POW

TRACT # 8 LEASE # 14-20-603-408

WELLS # 5-43 P&Ad  
✓ 8-41 P&Ad

TRACT # 10 LEASE # 14-20-603-409 A

WELLS # 27-41 P&Ad 27-13 P&Ad  
✓ 27-32 P&Ad ✓ 27-23 POW  
27-14 P&Ad 27-14A P&Ad

TRACT # 9 LEASE # 14-20-603-409

WELLS # ✓ 27-21 POW ✓ 34-22 POW ✓ 34-21 WIW  
✓ 27-22 POW ✓ 34-42 POW 34-41 P&Ad  
✓ 28-43 P&Ad ✓ 34-44 POW ✓ 34-12 WIW  
✓ 28-34 P&Ad 27-12 POW ✓ 34-32 WIW  
✓ 27-34 POW ✓ 28-41 P&Ad ✓ 34-24 POW  
33-21 P&Ad 28-23 P&Ad ✓ 34-43 P&Ad  
✓ 34-31 POW 27-43 POW 33-14 P&Ad  
✓ 33-32 P&Ad ✓ 33-41 P&Ad ✓ 34-13 POW  
✓ 33-23 POW ✓ 33-43 P&Ad ✓ 34-14 WIW  
✓ 33-34 WIW ✓ 33-44 POW ✓ 34-33 POW  
✓ 34-23 WIW ✓ 34-34 WIW

TRACT # 11 LEASE # 14-20-603 410

WELLS # ✓ 4-21 WIW ✓ 4-32 T&Ad ✓ 3-21 WIW 10-31 POW  
✓ 4-31 POW 4-23 P&Ad ✓ 3-41 POW 10-41 P&Ad  
✓ 4-41 POW ✓ 4-33 POW ✓ 3-12 WIW  
✓ 4-42 POW ✓ 4-43 P&Ad ✓ 3-32 POW  
4-12 P&Ad ✓ 4-14 P&Ad 3-22 PURPOSED  
✓ 4-22 P&Ad ✓ 4-24 POW ✓ 3-23 P&Ad  
✓ 4-34 P&Ad ✓ 3-11 T&Ad ✓ 3-43 P&Ad  
3-14 P&Ad 3-34 P&Ad 9-21 P&Ad

T 415 R. 24E S-3  
43-037-15355

WHITE MESA UNIT  
WELLS BY TRACTS AND  
STATUS

TRACT # 1 LEASE # 14-20-603-258  
WELL # 26-12 P&AD ✓ 35-22 P&AD  
26-14 P&AD ✓ 35-12 WIW  
25-23 P&AD ✓ 35-13 POW  
✓ 25-14 POW ✓ 35-14 POW  
✓ 25-34 P&AD ✓ 35-23 P&AD  
✓ 35-21 P&AD ✓ 35-34 POW  
✓ 35-41 P&AD

TRACT # 2 LEASE # 14-20-603-258  
WELL # ✓ 36-21 POW  
✓ 36-12 POW  
✓ 36-22 P&AD

TRACT # 3 LEASE # 14-20-603-259  
WELL # ✓ 2-11 POW ✓ 2-23 P&AD  
✓ 2-21 WIW ✓ 2-14 P&AD  
✓ 2-12 POW ✓ 11-11 D&AD  
✓ 2-23 P&AD

TRACT # 5 LEASE # 14-20-603-355  
WELL # ✓ 22-32 P&AD ✓ 22-43 POW  
✓ 22-42 P&AD ✓ 22-34 POW  
✓ 22-23 P&AD

TRACT # 6 LEASE # 14-20-603-370  
WELL # ✓ 23-21 POW ✓ 23-23 P&AD  
✓ 23-41 POW ✓ 23-33 P&AD  
✓ 23-12 POW ✓ 23-14 POW  
✓ 23-32 P&AD ✓ 23-34 P&AD  
✓ 23-42 POW

TRACT # 7 LEASE # 14-20-603-407  
WELL # ✓ 32-23 POW  
✓ 32-14 P&AD  
✓ 32-34 POW

TRACT # 8 LEASE # 14-20-603-408  
WELL # ✓ 5-43 P&AD  
✓ 8-41 P&AD

TRACT # 10 LEASE # 14-20-603-409 A  
WELL # ✓ 27-41 P&AD ✓ 27-13 P&AD  
✓ 27-32 P&AD ✓ 27-23 POW  
✓ 27-14 P&AD ✓ 27-14A P&AD

TRACT # 9 LEASE # 14-20-603-409  
WELL # ✓ 27-21 POW ✓ 34-22 POW ✓ 34-21 WIW  
✓ 27-22 POW ✓ 34-42 POW ✓ 34-41 P&AD  
✓ 28-43 P&AD ✓ 34-44 POW ✓ 34-12 WIW  
✓ 27-34 P&AD ✓ 27-12 POW ✓ 34-32 WIW  
✓ 33-21 P&AD ✓ 28-41 P&AD ✓ 34-24 POWSI  
✓ 34-31 POW ✓ 28-23 P&AD ✓ 34-43 WIW  
✓ 33-32 P&AD ✓ 27-43 POW ✓ 33-14 P&AD  
✓ 33-23 POW ✓ 33-41 P&AD ✓ 34-13 POW  
✓ 33-34 WIW ✓ 33-43 P&AD ✓ 34-14 WIW  
✓ 34-23 WIW ✓ 33-44 POW ✓ 34-33 POW  
✓ 28-34 P&AD ✓ 34-34 WIW

TRACT # 11 LEASE # 14-20-603-410  
WELL # ✓ 4-21 WIW ✓ 4-32 T&AD ✓ 3-21 WIW 10-31 POW  
✓ 4-31 POW ✓ 4-23 P&AD ✓ 3-41 POW ✓ 10-41 P&AD  
✓ 4-41 WIW ✓ 4-33 POW ✓ 3-12 WIW  
✓ 4-42 POW ✓ 4-43 P&AD ✓ 34-32 POW  
4-12 P&AD ✓ 4-14 P&AD 3-22 PROPOSED  
✓ 4-22 P&AD ✓ 4-24 POW ✓ 3-23 P&AD  
✓ 4-34 P&AD ✓ 3-11 T&AD ✓ 3-43 P&AD  
3-14 P&AD ✓ 3-34 P&AD ✓ 9-21 P&AD



# US OIL & GAS, INC.

February 13, 2001

Utah Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

RE: Annual Status Report

Dear Mr. Staley:

Please accept the enclosed document as the Annual Status Report as required by UT Admin. R 649-8-10 for the White Mesa Unit which is located in the Greater Aneth Area, Southeastern, UT.

43,037,15355

In 1999 US OIL & GAS, INC. reported 3 Wells that were shut-in for an extended period of time.

Well # 4-32	Lease # 14-20-603-410	API # 430371536500S1
Well # 34-24	Lease # 14-20 603-409	API # 430373009800S1
Well # 3-11	Lease # 14-20-603-410	API # 430373029300S1

US OIL & GAS, INC. returned these 3 wells to production in 2000 and now have every well on the White Mesa Unit on production. The attached document shows all the wells by their respective tracts and the wells that were returned to production are in blue. Please accept this as the annual status report for 2000.

If you have any questions or comments, please feel free to call me either at the phone listed below or I can also be reached at cellular (970) 560-2404.

Sincerely,

Patrick B. Woosley, Vice President

PB/pw

Enclosures

RECEIVED

FEB 20 2001

DIVISION OF  
OIL, GAS AND MINING

WHITE MESA UNIT  
WELLS BY TRACTS AND  
STATUS

TRACT # 11 LEASE # 14-20-603-258  
WELL # 26-12 P&AD 35-22 P&AD  
26-14 P&AD 35-12 WIW  
25-23 P&AD 35-13 POW  
25-14 POW 35-14 POW  
25-34 P&AD 35-23 P&AD  
35-21 P&AD 35-34 POW  
35-41 P&AD

TRACT # 21 LEASE # 14-20-603-258  
WELL # 36-21 POW  
36-12 POW  
36-22 P&AD

TRACT # 31 LEASE # 14-20-603-259  
WELL # 2-11 POW 2-23 P&AD  
2-21 WIW 2-14 P&AD  
2-12 POW 11-11 D&AD  
2-23 P&AD

TRACT # 41 LEASE # 14-20-603-259  
WELL # 22-32 P&AD 22-43 POW  
22-42 P&AD 22-34 POW  
22-23 P&AD

TRACT # 51 LEASE # 14-20-603-370  
WELL # 23-21 POW 23-23 P&AD  
23-41 POW 23-33 P&AD  
23-12 POW 23-14 POW  
23-32 P&AD 23-34 P&AD  
23-42 POW

TRACT # 71 LEASE # 14-20-603-370  
WELL # 32-23 POW  
32-14 P&AD  
32-34 POW

TRACT # 8 LEASE # 14-20-603-408  
WELL # 5-43 P&AD  
8-41 P&AD

TRACT # 101 LEASE # 14-20-603-408 A  
WELL # 27-41 P&AD 27-13 P&AD  
27-32 P&AD 27-23 POW  
27-14 P&AD 27-14A P&AD

TRACT #9 LEASE # 14-20-603-409  
WELL # 27-21 POW 34-22 POW 34-21 WIW  
27-22 POW 34-42 POW 34-41 P&AD  
28-43 P&AD 34-44 POW 34-12 WIW  
27-34 P&AD 27-12 POW 34-32 WIW  
33-21 P&AD 28-41 P&AD 34-24 POW  
34-31 POW 28-23 P&AD 34-43 WIW  
33-32 P&AD 27-43 POW 33-14 P&AD  
33-23 POW 33-41 P&AD 34-13 POW  
33-34 WIW 33-43 P&AD 34-14 WIW  
34-23 WIW 33-44 POW 34-33 POW  
28-34 P&AD 34-34 WIW

*T 415 R 24E S-34  
43-037-15.355*

TRACT # 11 LEASE # 14-20-603-410  
WELL # 4-21 WIW 4-32 POW 3-21 WIW 10-31 POW  
4-31 POW 4-23 P&AD 3-41 POW 10-41 P&AD  
4-41 WIW 4-33 POW 3-12 WIW  
4-42 POW 4-43 P&AD 34-32 POW  
4-12 P&AD 4-14 P&AD 3-22 PROPOSED  
4-22 P&AD 4-24 POW 3-23 P&AD  
4-34 P&AD 3-11 POW 3-43 P&AD  
3-14 P&AD 3-34 P&AD 9-21 P&AD



**US OIL & GAS, INC.**

February 28, 2002

Utah Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

RE: Annual Status Report

Dear Mr. Staley:

Please accept the enclosed White Mesa Unit report of Wells by tracts and status as a part of US Oil & Gas, Inc. annual status report for 2001. The attached document shows all the wells by their respective tracts and the wells status for the year 2001.

Sincerely,

Patrick B. Woosley,  
Vice President

Enclosures

**RECEIVED**

MAR 1 2002

DIVISION OF  
OIL, GAS AND MINING

WHITE MESA UNIT  
WELLS BY TRACTS AND  
STATUS

TRACT # 1 LEASE # 14-20-603-258  
WELL # 26-12 P&AD 35-22 P&AD  
26-14 P&AD 35-12 WIW  
25-23 P&AD 35-13 POW  
25-14 POW 35-14 POW  
25-34 P&AD 35-23 P&AD  
35-21 P&AD 35-34 POW  
35-41 P&AD

TRACT # 2 LEASE # 14-20-603-258  
WELL # 36-21 POW  
36-12 POW  
36-22 P&AD

TRACT # 3 LEASE # 14-20-603-259  
WELL # 2-11 POW 2-23 P&AD  
2-21 WIW 2-14 P&AD  
2-12 POW 11-11 D&AD  
2-23 P&AD

TRACT # 5 LEASE # 14-20-603-355  
WELL # 22-32 P&AD 22-43 POW  
22-42 P&AD 22-34 POW  
22-23 P&AD

TRACT # 6 LEASE # 14-20-603-370  
WELL # 23-21 POW 23-23 P&AD  
23-41 POW 23-33 P&AD  
23-12 POW 23-14 POW  
23-32 P&AD 23-34 P&AD  
23-42 POW

TRACT # 7 LEASE # 14-20-603-407  
WELL # 32-23 POW  
32-14 P&AD  
32-34 POW

TRACT # 8 LEASE # 14-20-603-408  
WELL # 5-43 P&AD  
8-41 P&AD

TRACT # 10 LEASE # 14-20-603-409 A  
WELL # 27-41 P&AD 27-13 P&AD  
27-32 P&AD 27-23 POW  
27-14 P&AD 27-14A P&AD

TRACT #9 LEASE # 14-20-603-409  
WELL # 27-21 POW 34-22 POW  
27-22 POW 34-42 POW  
28-43 P&AD 34-44 POW  
27-34 P&AD 27-12 POW  
33-21 P&AD 28-41 P&AD  
34-31 POW 28-23 P&AD  
33-32 P&AD 27-43 POW  
33-23 POW 33-41 P&AD  
33-34 WIW 33-43 P&AD  
34-23 WIW 33-44 POW  
28-34 P&AD 34-34 WIW

34-21 WIW  
34-41 P&AD  
34-12 WIW  
34-32 WIW  
34-24 POW  
34-43 WIW  
33-14 P&AD  
34-13 POW  
34-14 WIW  
34-33 POW

*T 415 R 24E SEC-34  
43-037-15355*

TRACT # 11 LEASE # 14-20-603-410  
WELL # 4-21 WIW 4-32 POW  
4-31 POW 4-23 P&AD  
4-41 WIW 4-33 POW  
4-42 POW 4-43 P&AD  
4-12 P&AD 4-14 P&AD  
4-22 P&AD 4-24 POW  
4-34 P&AD 3-11 POW  
3-14 P&AD 3-34 P&AD

3-21 WIW 10-31 POW  
3-41 POW 10-41 P&AD  
3-12 WIW  
34-32 POW  
3-22 PROPOSED  
3-23 P&AD  
3-43 P&AD  
9-21 P&AD

RECEIVED

MAR 11 2002

DIVISION OF  
OIL, GAS AND MINING

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

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

2. Name of Operator  
 US Oil & Gas, Inc.

3. Address and Telephone No.  
 P.O. BOX 698 Cortez, CO. (970) 565-0793

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1266' FSL & 785' FEL SEC., 34, T41S, R24E.

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

6. If Indian, Allottee or Tribe Name  
 Navajo

7. If Unit or CA. Agreement Designation  
 White Mesa Unit

8. Well Name and No.  
 34-43

9. API Well No.  
 4303715355

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

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

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

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

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

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give permanent 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.)

1/12/04 : Discovered tubing leak on well

1/14/04 : MIRU workover rig and parted tubing upon trying to release packer .

1/15/04 : Laid down 140 joints of tubing with 25% damaged RDMO workover rig.

Plan to fish remaining tubing and packer out of hole and return well to injection by 5/15/04

RECEIVED  
FEB 12 2004  
DIV. OF OIL, GAS & MINING

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

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

Signed Patricia W. Wadley Title VP Date 2/6/04

(This Space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

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

\*See Instruction on Reverse Side

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT - " for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of well  
 Oil Well    Gas Well    Other   **Injection Well**

2. Name of Operator  
**US Oil & Gas, Inc.**

3. Address and Telephone No.  
**P.O. BOX 698 Cortez, CO. (970) 565-0793**

4. Location of Well! (Footage, Sec., T., R., M., or Survey Description)  
**1266' FSL & 785' FEL SEC., 34, T41S, R24E.,**

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

6. If Indian, Allottee or Tribe Name  
**Navajo**

7. If Unit or CA. Agreement Designation  
**White Mesa Unit**

8. Well Name and No.  
**34-43**

9. API Well No.  
**4303715355**

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

11. County or Parish, State  
**San Juan Co. Utah**

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give permanent 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 well is waiting on a workover rig to fish the tubing out of the hole and perform the necessary repairs to return the well to injection.  
Plan to have the well repaired by December 1st 2004.

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

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

Signed *Patrick Woolley* Title *VP* Date *8/31/04*

(This Space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

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\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

SUBMIT IN TRIPLICATE

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

2. Name of Operator  
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3. Address and Telephone No.  
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4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1266' FSL & 785' FEL SEC., 34, T41S, R24E.,

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

6. If Indian, Allottee or Tribe Name  
 Navajo

7. If Unit or CA. Agreement Designation  
 White Mesa Unit

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 34-43

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TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
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	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
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	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give permanent 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 18th thru 21st MIRU, TIH with overshot, bumpersubs and drill collars, fished out 47 joints of 2-3/8" tubing and arrow set packer. TIH with new string of plastic coated tubing and returned to injection November 1st 2004. MIT'd well on Noember 9th 2004.

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

Signed Patricia Woolley Title V.P. Date 12/20/04

(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

DEC 23 2004

DEPARTMENT OF THE INTERIOR

**ANNULAR PRESSURE TEST**  
(Mechanical Integrity Test)

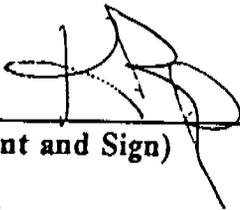
Operator U.S. Oil & Gas Inc. Date of Test 11-9-2004  
 Well Name 34-43 EPA Permit No. \_\_\_\_\_  
 Location NESE Sec. 34 T41S R24E Tribal Lease No. 1420603409  
 State and County UTAH SAN JUAN

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

TIME	0-2000 ANNULUS PRESSURE, psi		0-2000 TUBING PRESSURE, psi
	GAUGE	RECORDER	
10:10	1250	1170	0 ↓
10:15	1249	1170	
10:20	1249	1170	
10:25	1249	1170	
10:30	1249	1170	
10:35	1249	1170	
10:40	1249	1170	

MAX. INJECTION PRESSURE: 1100 PSI  
 MAX. ALLOWABLE PRESSURE CHANGE: 55 PSI (TEST PRESSURE X 0.05)  
 REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

Passed MIT

KIRBY BEND   
 COMPANY REPRESENTATIVE: (Print and Sign) DATE 11-9-04  
Leroy Lee Leroy Lee  
 INSPECTOR: (Print and Sign) DATE 11-9-04  
 DEC 23 2004

**TEXAS**  
Instruments, Inc.

End  
10:40 AM

Begin  
10:00 AM

US Oil & Gas Inc  
Well 34-43  
MW-MP 1500

SIGNED *Lucy Lee*  
K.B.

DEC 23 2004

U.S. ENVIRONMENTAL PROTECTION AGENCY

**NOTICE OF INSPECTION**

Address (EPA Regional Office) Region 9 Environmental Inspection Agency 75 Hawthorne Street (WTR-9) San Francisco, CA 94105	Inspection Contractor Navajo Nation EPA/OIC PO Box 1999 Shiprock, New Mexico 87420	Firm To Be Inspected US Oil & Gas Inc. PO Box 698 12633 County Rd. 24.4 Cortez, Colorado 81321
--	--	--

Date *11-9-04*  
 Hour *11:00 AM*

Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300 f et seq.).

Reason For Inspection

For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable permit or rule.

*MIT Inspection;*

*@ Well 34-43*

*White Mesa Formation*

*NESE Sec. 34 T41S R24E*

*San Juan County, Utah*

*Conducted MIT Inspection on this date commencing at 10:10 AM thru 10:40 AM.*

*Annulus pressure gauge had capacity of 0-2000 psi was set at 1249 psi.*

*Recorder gauge was set at 1170 psi.*

*The 30 minute test did not deviate from the 5% of allowable 1100 lb-psi ⇒ 55 psi.*

*Tubing pressure was zero.*

*MIT Inspection ~~was~~ passed.*

Section 1445(b) of the SDWA (42 U.S.C. §300 j-4 (b) is quoted on the reverse of this form.

Receipt of this Notice of Inspection is hereby acknowledged.

Firm Representative	Date <i>11-9-04</i>	Inspector <i>Leroy Lee</i> <i>Leroy Lee</i>
---------------------	------------------------	--

DEC 23 2004