

- Scout Report sent out
- Noted in the NID File
- Location map pinned
- Approval or Disapproval Letter
- Date Completed, P. & A. or operations completed 5-15-58
- Pin chart on location map
- Affidavit and Record of A & P
- Water Shut-Off Test
- Gas Oil Ratio Test
- Well Log Filed

FILE NOTATIONS

Entered in NID File Checked by Chief _____

Entered On SR Sheet Copy NID to Field Office _____

Location Map Pinned Approval Letter _____

Card Indexed Disapproval Letter _____

IWR for State or Fee Land _____

COMPLETION DATA

Date Well Completed 5/15/58 Location Inspected _____

CW WW _____ Bond released _____

SW _____ CS _____ State of Fee Land _____

Driller's Log 7/28/58 LOGS FILED

Electric Logs (No. 16)

E _____ I _____ EIL GR GRN _____ Micro _____

Lat _____ M-L Sonic _____ Others _____

Radioactive

Testing Log

Logging Inspection Log & Electronic Logging Control Log

* Effective 1-1-73, Humble Oil & Refining Co was changed to Exxon Company, U.S.A.

Form 9-331 D
(April 1952)

(SUBMIT IN TRIPPLICATE)

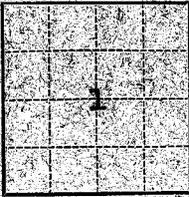
Indian Agency

Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee

Lease No. 14-20-603-4039



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)

March 14, 1958, 19

Navajo Tract 13

Well No. 1 is located 820 ft. from ~~N~~ S line and 500 ft. from ~~W~~ E line of sec. 1

SE SE Section 1 41S 24E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
 McElmo Creek San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4681.5' Ungraded

DETAILS OF WORK

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

Rotary drilling equipment will be used to drill to approximately 5700' to the Paradox Salt Formation. Surface Casing: Approximately 1400' of 8-5/8" OD 24# smls casing cemented to the surface. Oil String: Required amount of 5 1/2" OD 15.5# and 1 1/2" smls casing cemented with required amount of cement. Mud Program Conventional and/or gyp or salt base mud as required. Drill stem tests: all oil and gas shows will be tested. Logs: Electric logs etc will be run before setting casing or abandonment. Stimulation treatments such as acidizing or hydraulic fracturing may be employed in completion.

Location moved N of center to escape solid rock surface formation and E of Center to offset Superior 4-C- Well in Section 6, which is located 500' from the lease line.

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

Company The Carter Oil Company
 Production Department
 Address Box 3082
 Durango, Colorado

COPY (ORIGINAL SIGNED) B. M. BRADLEY

By B M Bradley
 Title District Superintendent

LEASE PLAT & PIPE LINE DATA

DIV. NO. _____ BLOCK NAME _____ LEASE NO. _____

LESSOR _____

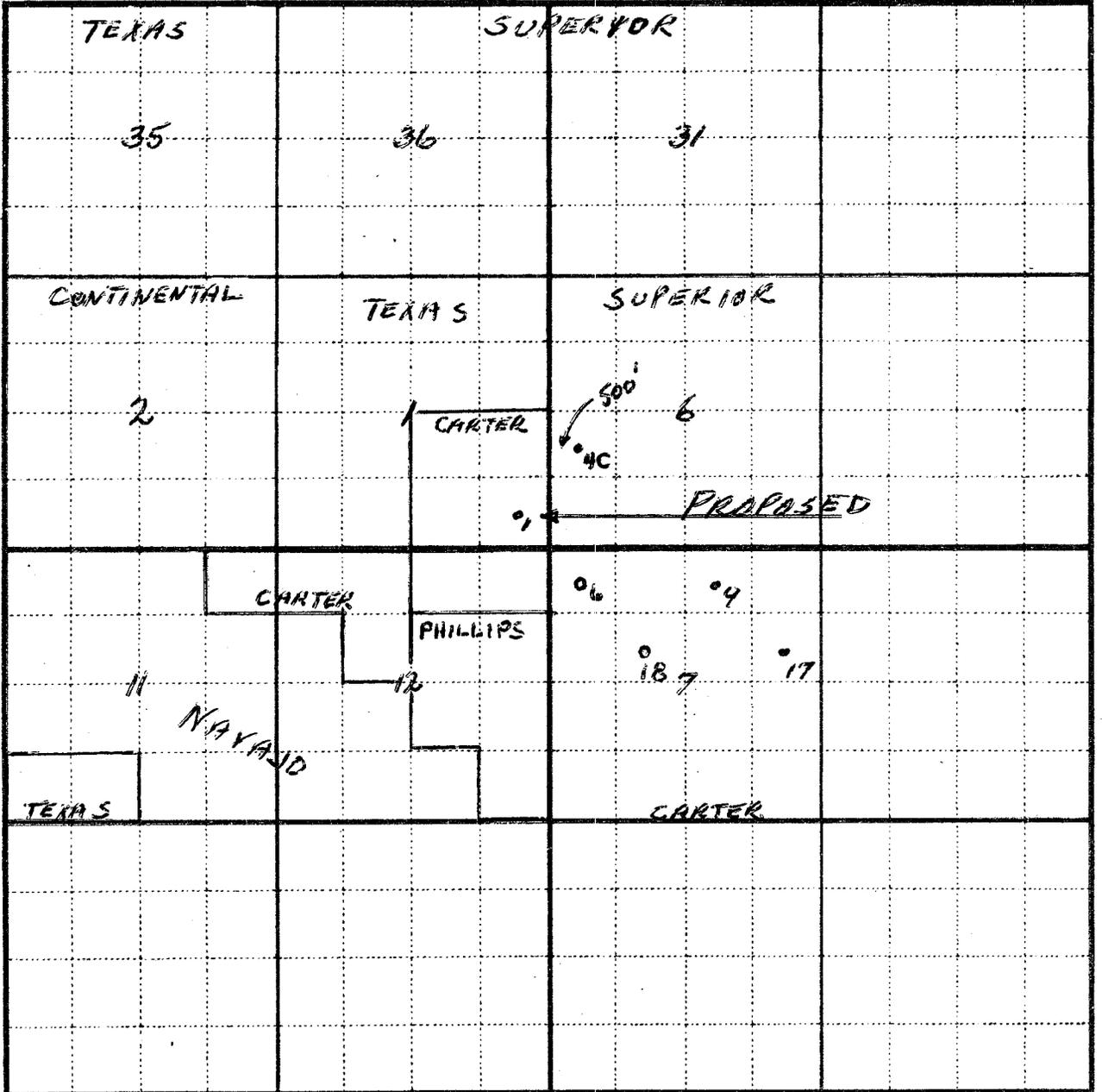
TOTAL ACCUMULATED INTEREST _____

STATE UTAH COUNTY SAN JUAN SEC. 1 T. 41S R. 24E ACRES _____

DESCRIPTION AND INTEREST: _____

PROPOSED LOCATION THE CARTER OIL CO
NAVAJO TRACT 13 WELL #1

IF USED FOR PIPE LINE DIAGRAM — PLEASE SUPPLY THE FOLLOWING INFORMATION
Total Length and Size of Pipe Laid _____ Pipe Transferred From _____
Total Length and Size of Pipe Taken Up _____ Pipe Transferred to _____
Depth Buried _____ Painted _____ Screw, Welded or Coupled _____ List Fittings (on back of this sheet if necessary)
Date _____ District _____ Farm or Plant _____
Signed _____
(Mail to Engineering Department - Tulsa)



When used as 1/4" Section Scale, 1" = 400'
When used as Section Scale, 1" = 800'
When used as 4 Sections Scale, 1" = 1600'
Place check mark after scale used.

Plat made by _____ Date _____
1/2" Base Map _____ Date _____
Plat Book (Pend.) _____ Date _____ (Comp.) _____ Date _____
Block Map (Pend.) _____ Date _____ (Comp.) _____ Date _____
Block Map Tr. (Pend.) _____ Date _____ (Comp.) _____ Date _____

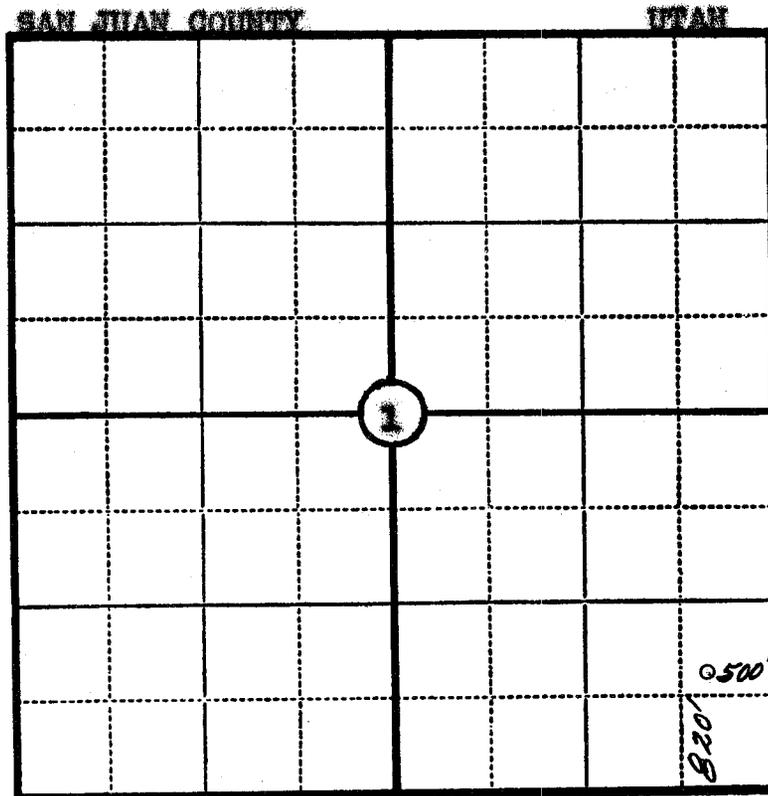
Company... THE CARTER OIL COMPANY

Lease... NAVAJO TRACT 13 Well No... 1

Sec... 1, T. 41 S., R. 24 E. S.L.M.

Location... 820 FEET FROM THE SOUTH LINE AND
500 FEET FROM THE EAST LINE

Elevation... 4690' ungraded ground
TBM 1x2 stake 226' S45°W of Loc. 4691.5'



Scale—4 inches equal 1 mile.

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

James P. Leese

Seal:

Registered Land Surveyor.

James P. Leese
Utah Reg. No. 1472

Surveyed 13 March, 19. 58

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

March 17, 1958

The Carter Oil Company
P. O. Box 3082
Durango, Colorado

Attention: E. M. Bradley, District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo Tract 13-1, which is to be located 820 feet from the south line and 500 feet from the east line of Section 1, Township 41 South, Range 24 East, S1EM, San Juan County, Utah.

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

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:en

cc: Phil McGrath
USGS, Farmington,
New Mexico

d

FOLD MA

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from Surface feet to 5738 feet, and from - feet to - feet

Cable tools were used from None feet to - feet, and from - feet to - feet

DATES

July 17, 1958 Put to producing On test 5-11- 1958

The production for the first 24 hours was 600 barrels of fluid of which 100 % was oil; - % emulsion; - % water; and - % sediment. Flowed on 22/64" Gravity, °Bé. 39.6° API

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

....., Driller , Driller

....., Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			<u>ELECTRIC LOG TOPS</u>
0	725	725	SAN RAFAEL GROUP: Interbedded red sandstones and red shales.
725	1145	720	GLEN CANYON GROUP: Red sandstones.
1145	2550	1105	CHINLE: Interbedded sandstones and silty shales becoming very calcareous near the base with much limestone.
2550	4524	1974	CUTLER: Predominantly red shale with thin streaks sandstone, much anhydrite in lower portion.
4524	5334	810	HERMOSA: Upper 2/3 interbedded gray and brown shales and dense limestone. Lower 1/3 dense light gray limestone locally cherty.
5334	5478	144	"A-2": Limestone, gray, dense, locally cherty, locally fossiliferous.
5478	5680	202	PARADOX: Limestone and dolomite interbedded with traces anhydrite and black shale.
5680	5738	58	"C-1": Interbedded black shales, dolomite and anhydrite.

[OVER]

At the end of complete Driller's Log, add Geologic Tops. State whether from Electric Logs or samples.

W.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
-------	-----	------------	-----------

HISTORY OF WELL (Continued from below)

Pulled swab, well flowed load oil and acid water to clean up. Flow tested 5 hrs thru 3/8" choke, recovered 152 bbls oil (daily rate of 730 bbls oil), grindout 4% B.S., Gravity 40.5°. Tubing press 530#, shut in press 600#. Killed well, pulled tubing and packer, drilled out bridge plug and drove to 5648'.

Set cast iron bridge plug at 5578'. Perforated 5529' to 5573' with 4 shots per ft. Ran tubing with packer at 5502', tail pipe at 5566'. Treated perforations with 500 gal M.C.A., let set 30 minutes and reversed out. Set packer and treated as follows: 4000 gallons regular 15% acid and 300 gallons fix-a-frac in 2 stages. 2000 gallons regular 15% acid, max press 4000#, min press. 1100#, followed with 300 gal fix-a-frac, pressure increased to 2500# when plug hit, followed with 2000 gallons regular 15% acid, max press 2300#, min press 1100#, shut in press 0#. Average injection rate for both stages 5.3 bbls per minute. Used 33 bbls flush oil. Swabbed to kick well off, flowed to clean up, then flowed on 6 hr test through 3/8" choke. Recovered 253 bbls oil (daily rate of 1008 bbls oil). Grindout 6% B.S., gravity 38°, tubing pressure 550#, shut in tubing pressure 625#. Killed well, pulled tubing and packer, drilled out bridge plug and drove to 5688'.

Set cast iron bridge plug at 5520'. Perforated 5491' to 5513' w/ 4 shots per ft. Ran tubing w/ packer at 5470' and tail pipe at 5508'. Spotted 300 gallons MCA on perforations let set 30 minutes and reversed out. Set packer and treated with a total of 3600 gallons regular 15% acid and 600 gallons fix-a-frac in 2 stages as follows: 1800 gallons regular 15% acid, max press 3000#, min press 300#, average injection rate 4.7 bbls per minute, followed with 600 gallons fix-a-frac plug. Plug hit and pressure increased to 2000#, followed with 1800 gallons regular 15% acid, max press 2000#, min press 300#, average injection rate 5.8 bbls per minute. Shut in pressure 300#, 10 minute shut in pressure 0#. Used 33 bbls flush oil. Swabbed tubing to kick well off. Flowed to pit to clean up and then flowed on test 4 hrs thru 3/8" choke. Recovered 147 bbls oil (daily rate of 882 bbls), grindout 8% B.S., gravity 39°, tubing pressure 490#, shut in tubing press 570#. Pulled tubing and packer. Drilled out bridge plug and drove to 5693'. Cleaned out with sand pump to 5695'.

Ran tubing with mud anchor at 5690'., 3' perforated nipple 5672-5675', seating nipple @ 5672'. Swabbed to kick well and flowed from all perforations (5491-5513; 5529-5573'; 5583-5625'; 5633-5642'; & 5652-5680') on 6 hr test through 22/64" choke. Recovered 150 bbls oil, grindout 1% emulsion, gravity 39.8°. Tubing pressure 500#, casing pressure 525#. GOR 500:1. Flowed at daily rate of 600 bbls oil and no water per day from Paradox formation.

COMPLETED: 5-15-58.

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 re-drilling, 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 hauling.

Spudded well 3-27-58. Drilled and reamed 17 $\frac{1}{2}$ " hole to 82'. Set 2 jts, 80' of 13-3/8" Spiral Weld casing at 79' w/ 75 sacks cement. Drilled 9" hole to 1455' and reamed 12 $\frac{1}{4}$ " hole to 452'. Set 14 jts, 437' of 8-5/8" OD, 24#, J-55 casing at 445' with 255 sacks cement. Drilled 7-7/8" hole from 1455' to TD of 5738'. Set 148 jts, 5771' of 5 $\frac{1}{2}$ ", 15.5#, J-55 casing @ 5736' with 365 sacks cement.

NO CORES CUT.

DST #1 5645-5738'. Tool open 1 hr, weak initial blow, gradually increasing to rate of 8000 cu ft gas in 25 minutes and 10,000 cu ft at end of test. Recovered 90' of oil, 150' of mud cut oil, 180' of oil and gas cut mud and 90' of water cut mud. 25 min. ISIP 2015#, IHP 3015#, IFP 60#, FFP 160#, 1 hr FSIP 2015#, FHP 2990#.

COMPLETION: PBTD 5700'. Perforated 5674-5678' w/ 4 shots per ft. Ran tubing w/ packer @ 5645' and tail pipe @ 5678'. Washed perforations w/ 200 gallons 5% M.C.A., let set 30 minutes and reversed out, set packer, swabbed tubing dry. Recovered no water, light show of gas and 5 gallons of oil. Treated w/ 1000 gallons 15% regular acid, max press 4000#, broke back to 3700#. With 300 gallons in formation broke back to 1500#, min press 1300#, shut in press. Zero. Average injection rate 1.5 bbls per minute. Flushed w/ 32 bbls oil. Well flowed, recovered load oil and acid water. Flowed on 3 hr test thru 3/8" choke and recovered 71 bbls oil, grindout .2 of 1% B.S., tubing press 360#, shut in tubing pressure 690#. Released packer, killed well and pulled tubing.

Perforated 5652-5674' & 5678-5680' w/ 4 shots per ft. Ran tubing with packer @ 5641' tail pipe @ 5676'. Acidized perforations 5652' to 5680' as follows: 300 gallons Fix-a-frac, oil in formation at 2500#, fix-a-frac plugged formation to increase pressure to 4000#. Followed plug with 3000 gallons regular 15% acid, max press. 3500#, min press 1200#. Followed with 300 gallons fix-a-frac plug with oil cushion ahead and behind plug. Fix-a-frac plug hit formation and increased pressure to 3000#. Followed with 2200 gallons regular 15% acid, max press 1400#, min press 1200#, shut in press Zero. Average injection rate 1st stage 3.85 bbls per minute, 2nd stage 6.6 bbls per minute. Used 52 bbls crude. Ran swab, well flowed. Recovered load oil and acid water. Flowed on test 5 $\frac{1}{2}$ hrs thru 3/8" choke, recovered 163 bbls oil, grindout .2 of 1% B.S. Tubing pressure 490#, shut in tubing pressure 560#, gravity of oil 39.5°. Flowed at daily rate of 751 bbls oil. Killed well, pulled tubing and packer.

Set cast iron bridge plug @ 5648'. Perforated 5583' to 5625' w/ 4 shots per ft. Ran tubing, set packer @ 5574', tail pipe @ 5636'. Tested natural for 3 hrs thru 3/8" choke and recovered 35 bbls oil (daily rate of 280 bbls), grindout .2 of 1% B.S., gravity 40.7°. Tubing pressure 510#, casing press 0#, shut in tubing press 550#. Treated perforations w/ 10,600 gallons regular 15% acid, max press 1400#, min press 800#, average injection rate 7.8 bbls per minute. Shut in press 200#. Used 34 bbls flush oil.

(See Above)

Jul 28 1958

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.

14-20-603-4032

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Navajo Tract 13

8. FARM OR LEASE NAME

McElmo Creek

9. WELL NO.

I-16

10. FIELD AND POOL, OR WILDCAT

McElmo Creek Unit

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

Sec. 1, T41S, R24E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

The Superior Oil Co.

3. ADDRESS OF OPERATOR

P. O. Drawer 'G' Cortez, Colorado

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

550' FEL, 820' FSL
Sec. 1, T41S, R24E

14. PERMIT NO.

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

4699' KB

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

PBTD - 5684'

Workover to cement hole in casing at 630'

6-28-65 Mixed and pumped 140 sack class 'C' cement w/4% Gel & 2% CaCl down 5½" casing. Circulate with good fluid returns, no fluid to surface. Displaced cement to 550'. Job complete at 4.00 P. M. Water flow dead outside of 5½" casing.

6-29-65 Drilled cement & tested casing to 1,000# ok. Job Complete.

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

SIGNED

C. R. Waller

TITLE Production Engineer

DATE 7/28/65

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse 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. 14-20-603-4039
2. NAME OF OPERATOR The Superior Oil Company <i>Frubble</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR P. O. Drawer 'G', Cortez, Colorado 81321		7. UNIT AGREEMENT NAME McElmo Creek Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE1/4, SE1/4, Section 1, T41S, R24E		8. FARM OR LEASE NAME
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4699' KB	9. WELL NO. #I-16 ✓
		10. FIELD AND POOL, OR WILDCAT McElmo Creek
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 1, T41S, R24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

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

Propose to squeeze all existing perforations with 700 sacks Class 'C' Cement.

Will perforate 5569-73', treat with 400 gallons 28% acid, then squeeze with 100 sacks.

Will perforate Desert Creek Zone I 5491-5513, 5529-60' with two jets per foot and stimulate with 6000 gallons 28% acid.

Well to be recompleted for production from Zone I only. ✓

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

SIGNED D. D. Kingman TITLE District Engineer DATE Aug. 17, 1972

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

DDK/nh

*See Instructions on Reverse Side

xc: State, USGS, Franques, Mosley, Hurlbut, File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIP (Other instruction reverse side) TB*

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
The Superior Oil Company *[Signature]*

3. ADDRESS OF OPERATOR
P. O. Dr. 'G', Cortez, Colorado 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
820' FSL & 500' FEL, Section 1, T41S, R24E, SLM

14. PERMIT NO. _____ 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4699' KB

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-4039

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
McElmo Creek

8. FARM OR LEASE NAME

9. WELL NO.
MCU #I-16

10. FIELD AND POOL, OR WILDCAT
McElmo Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SE SE Sec. 1, T41S, R24E

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 checked="" type="checkbox"/>	REPAIRING WELL <input checked="" type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(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.)*

Squeezed all perfs, recomplete Desert Creek Zone I Only.

8/22-24 Tested - casing leaked at 614'. Squeezed with 346 sacks Class 'C' Cmt.
 8/25-9/10 Drilled out to 676'. Casing leaked. Treated with 200 gal 15% reg. acid, squeezed with 212 sacks.
 9/12-16 Drilled out. Casing leaked at 630'. Squeezed with 350 sacks Class 'A' cmt.
 9/18-19 Cleaned up hole. Squeezed all perfs 5491-5680' with 700 sacks Class 'C' cmt.
 9/20-21 Drilled out to 5580', 5569-73', treated with 400 gal 28% acid, block squeezed with 65 sacks Class 'C' cmt.
 9/22-24 Drilled out 5567'. Perforated Desert Creek Zone I 5491-5513, 5529-60' with 2 jets/ft. Treated 5491-60' with 6000 gal 28% acid in three equal stages with diverting agent between 1st and 2nd stage. Max. pressure 3500 psi.
 9/26/72 Turned well down flow line. 34.81 BPH, 3.2% cut, 300#/pkr, 32/64" choke.

Production 8/5/72 44 BO, 2139 BWPD 98% cut.
 Production 9/30/72 242 BO, 0 BWPD

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

SIGNED *[Signature]* TITLE District Engineer DATE 10/17/72
D. D. Kingman

(This space for Federal or State office use)

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

OGC/nh ✓
 *See Instructions on Reverse Side
 cc: State, USGS, Franques, Mosley, Hurlbut, WIO, File

EXXON COMPANY, U.S.A.

POST OFFICE BOX 1600 - MIDLAND, TEXAS 79701

January 3, 1973

PRODUCTION DEPARTMENT
MIDCONTINENT DIVISION

1/3/73
VET/108

State of Utah
Department of Natural Resources
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Gentlemen:

Effective on January 1, 1973, Humble Oil & Refining Company merged into its parent corporation. On that date all of the rights, assets, and liabilities of Humble will accrue to and be assumed by Exxon Corporation.

After January 1, 1973, all invoices, payments, notices or other communications which were sent previously to Humble should be sent to Exxon Corporation, P. O. Box 1600, Midland, Texas 79701.

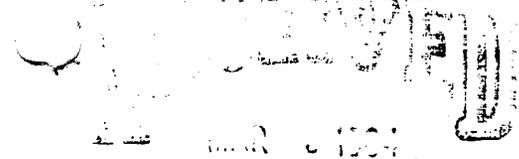
We would appreciate your cooperation in helping us make these changes, and we want to assure you that our policies and business relationships with you will remain the same.

Sincerely,



L. H. Byrd

DLC:mej



March 2, 1984

**DIVISION OF
OIL, GAS & MINING**

Mr. Norm Stout
Utah Division of Oil,
Gas and Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Reference: Notice of Change of Operator

Dear Mr. Stout:

Please be advised that Superior Oil Company is the operator of the McElmo Creek Unit. Accordingly, please update your records to reflect Superior as operator of the following wells:

<u>Well Number</u>	<u>API Number</u>	<u>Well Number</u>	<u>API Number</u>
J-23	415 25E 18 43-037-15500	I-14	415 25E 1 43-037-16145
F-20	415 24E 12 15707	I-16	15497
H-20	415 24E 12 15708	I-18	415 24E 12 15709
M-24	415 25E 18 15513	I-20	415 24E 12 15710
M-18	415 25E 7 15510	K-20	415 25E 7 15503
M-20	415 25E 7 15511	O-08	405 25E 29 16146
M-22	415 25E 18 15512	R-09	405 25E 33 16147
N-19 Injection	41 25E 8 15515	S-12	40 " " 16150
O-18 Injection	41 25E 8 15517	S-14	415 25E 4 16151
P-17 Injection	415 25E 8 15519	S-16	415 25E 4 16152
O-20	415 25E 8 15518	T-09	405 25E 33 16153
Q-18	415 25E 8 15521	T-11	" " " 16154
Q-20	415 25E 8 15522	U-12	" " " 16155
Q-22	415 25E 17 15323	U-14	415 25E 4 16156
C-16	415 24E 2 16266	U-16	" " " 16157
E-14	415 24E 2 16268	R-08	" " " 15329
E-16	415 24E 2 15616	S-05	" " " 15330
E-18	415 24E 11 15706	C-14	415 24E 2 16265
G-14	415 24E 1 16143	F-11	" " " 15617
G-16	415 24E 1 16144	G-12	" " " 15618
G-18	415 24E 12 15494	I-12	" " " 15619

If you have any questions, please feel free to call me at (713) 751-7593 or Cheryl Shulman at (713) 751-4862.

Very truly yours,

Carol D. Dorrell

C.D. Dorrell
Section Supervisor
Western Oil Revenue

CES/tm

UNIT STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI
(Other instructions
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.
At surface

820' FSL, 500' FEL, SECTION 1

14. PERMIT NO.

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

KB: 4699', GL: 4688'

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-4039

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

McELMO CREEK

8. FARM OR LEASE NAME

9. WELL NO.

#I-16

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

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

SEC. 1, T41S, R24E

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:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other) Convert to water injection

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.)*

1. MIRU. POH w/ rods & pump. NU & test BOP's. POH w/ tbg.
2. RIH w/ bits, scraper, & tbg to 5567'. POH.
3. RIH w/ pkr & tbg.
4. Acidize Desert Creek Zone I w/ 4000 gals 28% HCL + additives.
5. Swab back load. POH.
6. RIH w/ 5-1/2" PC pkr & 2-3/8" PC tbg.
7. RDMO.

RECEIVED
DEC 21 1984

DIVISION OF
OIL, GAS & MINING

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

SIGNED

David B. Jensen
David B. Jensen

TITLE

Engineer

DATE

12-12-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

I-16 WLD
415.24E.1
SUPERIOR

orig file.
cc R. Furth

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

Attention: Ms. Dianne Nielson, Director

RECEIVED

FEB 0

DIVISION OF OIL
GAS & MINING

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

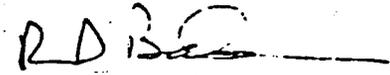
Mobil Oil Corporation
P.O. Box 5444
Denver, Colorado 80217-5444
Attention: R. D. Baker (303) 298-2577

RDN

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

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

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

IN THE MATTER OF THE APPLICATION OF
SUPERIOR OIL COMPANY
 ADDRESS P. O. DRAWER 'G'
CORTEZ, CO. ZIP 81321
 INDIVIDUAL PARTNERSHIP CORPORATION
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE MCU #1-16 WELL
 SEC. 1 TWP. 41S RANGE 24E
San Juan COUNTY, UTAH

CAUSE NO. _____

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

APPLICATION

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

Lease Name <u>McElmo Creek Unit</u>	Well No. <u>I-16</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>820' ESL, 500' FEL</u> Sec. <u>1</u> Twp. <u>41S</u> Rge. <u>24E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>1420'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What <u>Oil & Gas</u>
Location of Injection Source(s) <u>Producing wells within the McElmo Creek Unit</u>	Geologic Name(s) and Depth of Source(s) <u>Ismay: 5300'</u> <u>Desert Creek: 5400'</u>		
Geologic Name of Injection Zone <u>Desert Creek</u>	Depth of Injection Interval <u>5491'</u> to <u>5560'</u>		
a. Top of the Perforated Interval: <u>5491'</u>	b. Base of Fresh Water: <u>1420'</u>	c. Intervening Thickness (a minus b) <u>4071'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> XXX			
Lithology of Intervening Zones <u>See item 4 (ii) on Attachment #1</u>			
Injection Rates and Pressures Maximum <u>2000</u> B/D <u>2800</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			

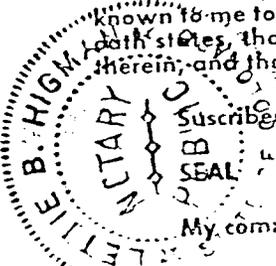
State of Colorado)
 County of Denver)

David B. Jensen ENGINEER
 Applicant

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

Subscribed and sworn to before me this 12th day of Dec. 19 84

Letitia B. Dugan
 Notary Public in and for Montezuma County,
State of Colorado



My commission expires 5-2-84

***** PMS ROCKY MOUNTAIN ENTITY DATA ***** VIEW

```

*STATE..... 43          UTAH
*UNIQUE..... 916528    LATEST YY..... 93
*LEASE UNIQUE.. 013293  LATEST MODE.... A
*STATE UNIQUE.. 916528  *API NUMBER.... 4303715497
PRODUCT.....          WELL NUMBER.... 161
PI FIELD..... 02500    ANETH GREATER
LATEST PI OPER. 058600 MOBIL EXP & PROD (MEPNA)
LEASE NAME.....       MCELMO CR #I-16
RESERVOIR..... DSCR   DESERT CREEK
CONNECTION.... 00000
COUNTY..... 037     SAN JUAN          # OF APIS..... 1
SEQUENCE..... 7916   # OF TESTS..... 1
PROD START MMY 00 00 # OF LOCATIONS.. 1
ABANDON MMY... 00 00 # OF LITERALS..
LOCATN..SECTION SESE 1 TWP... 41S   RNG... 24E
BGN 93 CUM OIL.      +4647    76 CUM OIL.
BGN 93 CUM WTR.     +19094   76 CUM WTR.
BGN 93 CUM GAS.     +6839    76 CUM GAS.
CATEGORY.....

```

PA1/2=PR/NX ENT PFB=LSUNIQ PF9=STUNIQ ... PF24=MAP KEYS
***** PMS ROCKY MOUNTAIN ANNUAL DATA ***** VIEW

```

*STATE..... 43          UTAH
*UNIQUE..... 916528    MCELMO CR #I-16  *PRODUCT.....
*LEASE UNIQUE.. 013293  *NBR LITERALS...
*STATE UNIQUE.. 916528  *API NUMBER.... 4303715497
*YEAR (YY).... 93     ANETH GREATER
PI OPER..... 058600   MOBIL EXP & PROD (MEPNA)
MODE..... A          *RESV... DSCR    *OIL CUM-TO-DTE.  +4647
LIQ GRAVITY.... 00.0  *WTR CUM-TO-DTE. +19094
ADJUST CUMS Y/N *GAS CUM-TO-DTE.  +6839

```

	IS	OWLS	GWSL	OIL PROD	WTR PROD	GAS PROD	OIL SALE	GAS SALE	DY	PI
JAN	7									1
FEB	7									1
MAR	7									1
APR	7									1
MAY	7									1
JUN	7									1
JUL	7									1
AUG	7									1
SEP	7									1
OCT	7									1
NOV										
DEC										

PA1/PA2=BY ENT PFB=LSUNIQ PF9=STUNIQ ... PF24=MAP KEYS
***** PMS ROCKY MOUNTAIN ENTITY API'S ***** VIEW

```

*STATE..... 43          UTAH
*UNIQUE..... 916528    # OF TESTS..... 1
*LEASE UNIQUE.. 013293  LATEST TEST... 580515
*STATE UNIQUE.. 916528
*LATEST YY.... 93
*LEASE NAME.....       MCELMO CR #I-16
*PI FIELD..... 02500    ANETH GREATER
*LAST PI OPER. 058600 MOBIL EXP & PROD (MEPNA)
API STATE..... 43     MODE... A        TOTAL DEPTH... 05738
API CTY..... 037     SPOT... SESE    UPPER PERF... 05491
API WELL..... 15497  CTY... 037     LOWER PERF... 05680
API RESV.....       RESV... DSCR    CMPLN YMM... 58 05
WELL NUMBER... 161   COAL BED METHANE.....
WELL NAME..... MCELMO CR #I-16
SURF LOON: SECTION.. 1 TWP... 41S   RNG... 24E
BOTH LOON: SECTION.. TWP...       RNG...
DIRECTIONAL DRILL...
N/S FOOTAGE ..... FSL   FEET.. 0820
E/W FOOTAGE ..... FEL   FEET.. 0500
PROD START YMM.... 00 00
ABANDON YMM..... 00 00

```

PA1/2=PR/NX ENT PFB=LSUNIQ PF9=STUNIQ ... PF24=MAP KEYS

Sh
Q

```

**** PMS ROCKY MOUNTAIN ENTITY DATA ****      VIEW
43      UTAH
916528  LATEST YY..... 93
013293  LATEST MODE.... A
916528  *API NUMBER.... 4303715497
        WELL NUMBER.... 161
02500   ANETH GREATER
R. 058600 MOBIL EXP & PROD (MEPNA)
        MCELMO CR #1-16
DSCR    DESERT CREEK
00000
037     SAN JUAN          # OF APIS..... 1
7916   # OF TESTS..... 1
YY 00 00 # OF LOCATIONS.. 1
00 00 # OF LITERALS..
ION SESE 1      TWP... 41S      RNG.. 24E
EL.     +4647      76 CUM OIL.
TR.     +19094     76 CUM WTR.
AS.     +6839     76 CUM GAS.

```

```

PF8=LSUNIQ PF9=STUNIQ ... PF24=MAP KEYS
**** PMS ROCKY MOUNTAIN ANNUAL DATA ****      VIEW
43      UTAH
916528  MCELMO CR #1-16    *PRODUCT.....
013293  *NBR LITERALS...
916528  *API NUMBER.... 4303715497
93      ANETH GREATER
058600  MOBIL EXP & PROD (MEPNA)
A       *RESV.. DSCR      *OIL CUM-TO-DTE.  +4647
00.0   *WTR CUM-TO-DTE.  +19094
W/N    *GAS CUM-TO-DTE.  +6839
SI OIL PROD| WTR PROD| GAS PROD|OIL SALE|GAS SALE|DY|PI
1
1
1
1
1
1
1
1
1
1
1

```

Shauna
Please check Sandy
notice + see what date
this well was P+A.

```

PF8=LSUNIQ PF9=STUNIQ ... PF24=MAP KEYS
**** PMS ROCKY MOUNTAIN ENTITY API'S ****      VIEW
43      UTAH
916528  # OF TESTS.... 1
013293  LATEST TEST... 580515
916528
93
MCELMO CR #1-16
02500   ANETH GREATER
R. 058600 MOBIL EXP & PROD (MEPNA)
43      MODE... A      TOTAL DEPTH.. 05738
037     SPOT... SESE    UPPER PERF... 05491
15497   CTY.... 037     LOWER PERF... 05680
        RESV... DSCR    CMPLN YMM.. 58 05
        COAL BED METHANE.....
MCELMO CR #1-16
SECTION.. 1      TWP... 41S      RNG... 24E
SECTION..      TWP...      RNG...
DRILL...
..... FEL      FEET.. 0820
..... FEL      FEET.. 0500
YMM..... 00 00
..... 00 00
PF8=LSUNIQ PF9=STUNIQ ... PF24=MAP KEYS

```

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

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

IN THE MATTER OF THE APPLICATION OF
SUPERIOR OIL COMPANY
 ADDRESS P. O. DRAWER 'G'
CORTEZ, CO. ZIP 81321
 INDIVIDUAL PARTNERSHIP CORPORATION
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE MCU #I-16 WELL
 SEC. 1 TWP. 41S RANGE 24E
San Juan COUNTY, UTAH

CAUSE NO. _____

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

APPLICATION

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

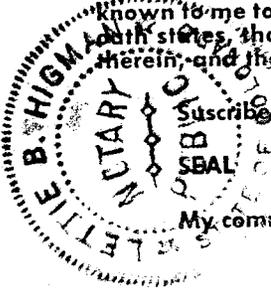
Lease Name <u>McElmo Creek Unit</u>	Well No. <u>I-16</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>820' FSL, 500' FEL</u> Sec. <u>1</u> Twp. <u>41S</u> Rge. <u>24E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>1420'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What <u>Oil & Gas</u>
Location of Injection Source(s) <u>Producing wells within the McElmo Creek Unit</u>	Geologic Name(s) and Depth of Source(s) <u>Ismay: 5300' Desert Creek: 5400'</u>		
Geologic Name of Injection Zone <u>Desert Creek</u>	Depth of Injection Interval <u>5491'</u> to <u>5560'</u>		
a. Top of the Perforated Interval: <u>5491'</u>	b. Base of Fresh Water: <u>1420'</u>	c. Intervening Thickness (a minus b) <u>4071'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/>			
Lithology of Intervening Zones <u>See item 4 (ii) on Attachment #1</u>			
Injection Rates and Pressures Maximum <u>2000</u> B/D <u>2800</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			

State of Colorado
 County of Denver

David B Jensen ENGINEER
 Applicant

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

Subscribed and sworn to before me this 12th day of Dec. 19 84



Little B. Highmeyer
 Notary Public in and for Montezuma County,
State of Colorado

My commission expires 5-2-84

(OVER)

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

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

COUNTY
LEASE NO.

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

API NO. _____

640 Acres
N

W

E

S

Locate Well Correctly
and Outline Lease

COUNTY San Juan SEC. 1 TWP. 41S RGE. 25E
COMPANY OPERATING Superior Oil Company
OFFICE ADDRESS P.O. Drawer 'G'
TOWN Cortez STATE ZIP Co. 81321
FARM NAME McElmo Creek Unit WELL NO. I-16
DRILLING STARTED Mar 19 58 DRILLING FINISHED April 19 58
DATE OF FIRST PRODUCTION 5-15-58 COMPLETED 5-15-58
WELL LOCATED NE ¼ SE ¼ SE ¼
820 FT. FROM SW OF ¼ SEC. & 2140 FT. FROM WL OF ¼ SEC.
ELEVATION DERRICK FLOOR 4698' GROUND 4688'

TYPE COMPLETION

Single Zone X
Multiple Zone _____
Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Ismay	5348'	5478'			
Desert Creek	5487'	5680'			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
13-3/8"	35.6	Spiralweld	79'		75		Surface
8-5/8"	24	J-55	445'	1000	255		Surface
5-1/2"	15.5	J-55	5736'	1000	365		4150'

TOTAL DEPTH 5738'

PACKERS SET

DEPTH _____

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

1

2

3

FORMATION	D.C. I, II, III	D.C. I
SPACING & SPACING ORDER NO.		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Oil	Oil
PERFORATED	5491-5513'	5491-5513'
INTERVALS	5529-73', 83'	5529-5560'
	5625', 33'-42'	
	52'-80'	
ACIDIZED?	25,650 gals 15% HSL Sqz'd w/ 700 sx cmt	6000 gals 28% HCL
FRACTURE TREATED?		

INITIAL TEST DATA

Date	5-15-58	9-30-72
Oil, bbl./day	600	242
Oil Gravity	39.6	40
Gas, Cu. Ft./day	300,000 CF	193,600 CF
Gas-Oil Ratio Cu. Ft./Bbl.	500	800 (est)
Water-Bbl./day	0	0
Pumping or Flowing	Flowing	Pumping
CHOKE SIZE	22/64"	
FLOW TUBING PRESSURE	500	

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

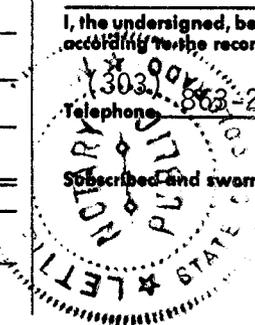
I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone 303-863-2671

David B Jensen
David B Jensen Engineer

Name and title of representative of company

Subscribed and sworn before me this 18th day of Dec., 19 84



ATTACHMENT I

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 8-5/8" surface casing. The 8-5/8" - 5-1/2" annulus pressure will be monitored to insure no behind pipe communication occurs.
- ii. Maximum Estimated Surface Pressure: 2800 psig.
Maximum Estimated Rate: 2000 BWP.

<u>FORMATION</u>	<u>DEPTH</u>	<u>LITHOLOGY</u>
Chinle	1420'	Shale
8-5/8" Surface Casing	445'	
DeChelly	2600'	Sandstone
Organ Rock	2750'	Shale
Hermosa	4597'	Limestone
Ismay	5348'	Limestone
Gothic	5478'	Shale
Desert Creek	5487'	Limestone
Chimney Rock	5680'	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 McElmo Creek Unit. The wells produce from the Ismay and Desert Creek formations with approximate depths of 5300' and 5400' respectively.
- (iii) The analysis of injection water is as follows: (as parts per million).
- | | | |
|---------------|-------------|--------------------------|
| PH: 6.5 | Ca: 13770 | S04: 25 |
| CL: 16700 ppm | Mg: 11421 | H2S: 30 |
| Fe: 3 | HC03: 109.8 | Ba: - |
| CaC03: 18470 | C03: - | Specific Gravity: 1.0553 |

(5) Cont.

(iv) The proposed injection zone is the Desert Creek. The Desert Creek is a carbonate formation consisting of limestone, anhydrite & dolomite. The formation extends throughout the Paradox Basin and is overlain by the Gothic Shale and underlain by the Chimney Rock Shale.

(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: 6.5	Ca: 5280	SO4: 200
CL: 46,000	Mg: 1507	H2S: 19
Fe: 1	HCO3: 105	Ba: -
CaCO3: 19,400	CO3: -	Specific Gravity: 1.050

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

(7) N/A.

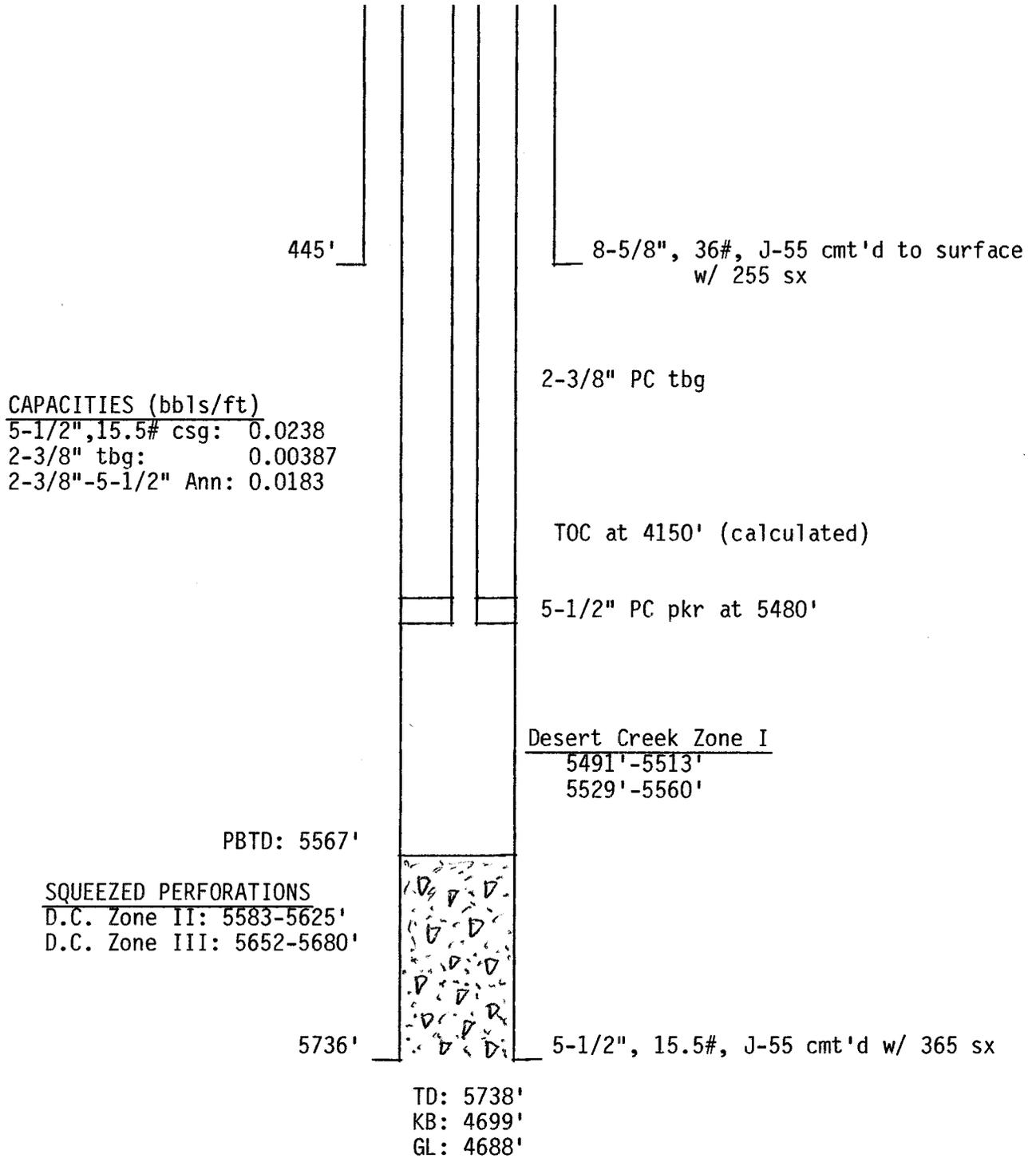
(8) The Division will be notified of the date and time to monitor the mechanical integrity test.

(9) There are no defective wells in this area.

(10) N/A.

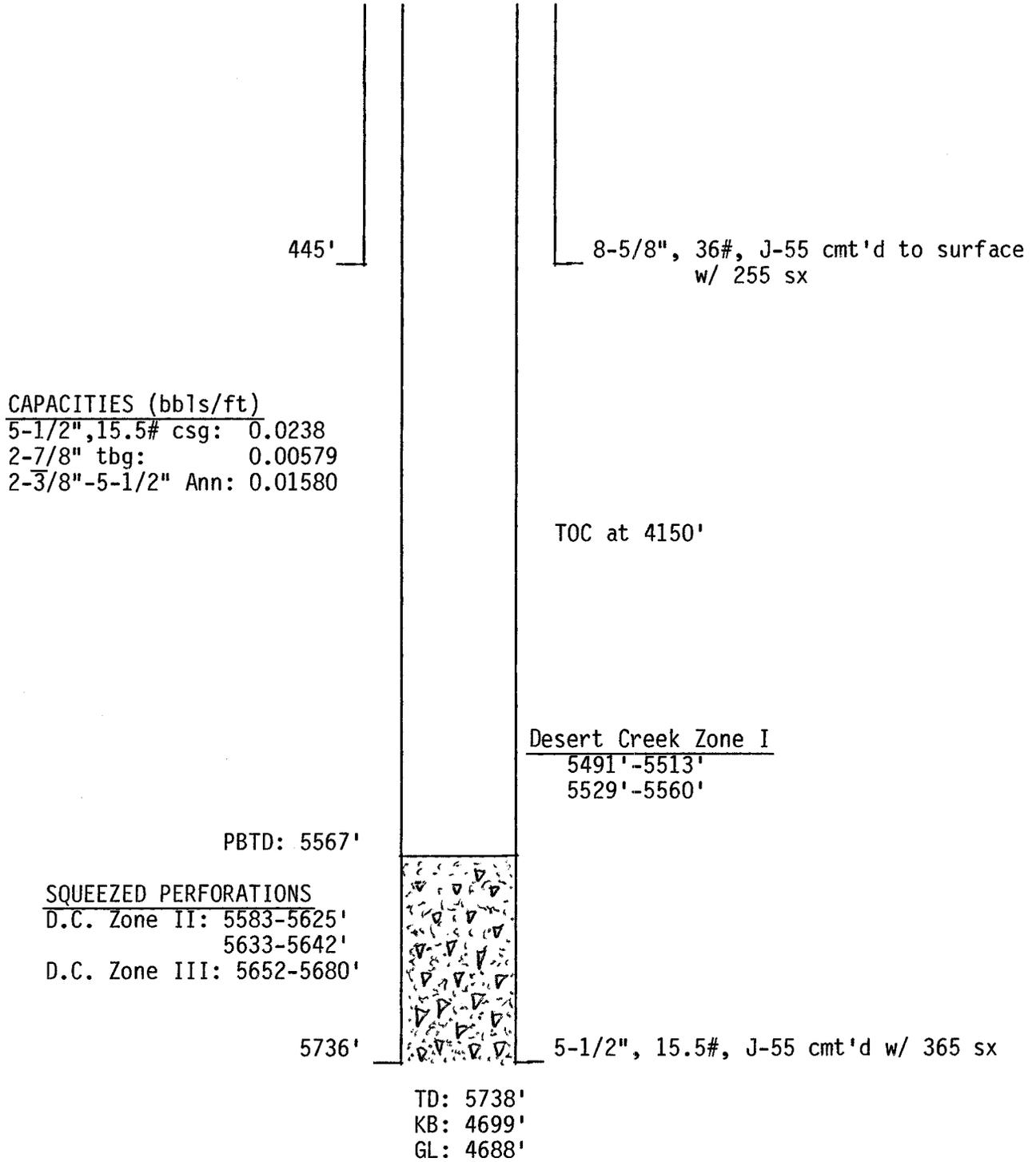
McELMO CREEK UNIT #I-16
McELMO CREEK FIELD
SAN JUAN COUNTY, UTAH

PROPOSED WELLBORE SKETCH



McELMO CREEK UNIT #I-16
 McELMO CREEK FIELD
 SAN JUAN COUNTY, UTAH

PRESENT WELLBORE SKETCH





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 31, 1984

San Juan Record
Legal Advertizing
Monticello, Utah 84535

RE: UIC - 49,50,51

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 11th day of January 1985. 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

Marjorie L. Larson
for

MARJORIE L. LARSON
Administrative Assistant

Affidavit of Publication

ADM-35B

STATE OF UTAH,
County of Salt Lake

ss.

.....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 Before the division of Oil, Gas and Mining... Application of Superior Oil Cause No. UIC-051

was published in said newspaper on
Jan. 11, 1985

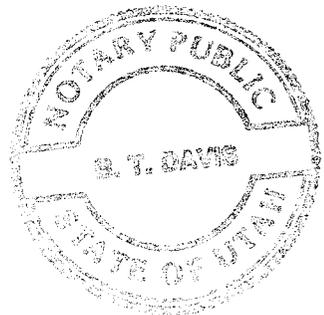
Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this18th..... day of
January A.D. 19 85.....

B. J. Davis
Notary Public

My Commission Expires
March 1, 1988

RECEIVED
JAN 23 1985
DIVISION OF
OIL, GAS & MINING



BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
CAUSE NO. UIC-051
IN THE MATTER OF THE APPLICATION OF SUPERIOR OIL
COMPANY FOR ADMINISTRATIVE APPROVAL TO CONVERT
THE McELMO CREEK #1-16, SECTION 1, TOWNSHIP 41
SOUTH, RANGE 24 EAST, SAN JUAN COUNTY, UTAH, TO A
WATER INJECTION WELL.
THE STATE OF UTAH TO ALL INTERESTED PARTIES IN
THE ABOVE ENTITLED MATTER.
Notice is hereby given that Superior Oil Company, P.O.
Drawer "G", Cortez, Colorado 81321 has requested administra-
tive approval from the Division to convert the McElmo Creek
Unit #1-16 well, located in the SE 1/4 SE 1/4 of Section 1, Township 41
South, Range 24 East, San Juan County, Utah to an enhanced
recovery water injection well.
The proposed operating data for the well is as follows:
Injection Interval: Desert Creek Formation 5491' to 5560'
Maximum Estimated Surface Pressure: 2800 psig
Maximum Estimated Rate: 2000 BWPD
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, 355 West North Temple, 3 Third
Center, Suite 350, Salt Lake City, Utah 84180-1203.
DATED this 27th day of December, 1984.
STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
MARJORIE L. LARSON
Administrative Assistant
A-66

AFFIDAVIT OF PUBLICATION

PUBLIC NOTICE

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

IN THE MATTER OF THE APPLICATION OF SUPERIOR OIL COMPANY FOR ADMINISTRATIVE APPROVAL TO CONVERT THE McELMO CREEK #I-16, SECTION 1, TOWNSHIP 41 SOUTH, RANGE 24 EAST, SAN JUAN COUNTY, UTAH, TO A WATER INJECTION WELL.

CAUSE NO. UIC-051

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

Notice is hereby given that Superior Oil Company, P. O. Drawer "G", Cortez, Colorado 81321 has requested administrative approval from the Division to convert the McElmo Creek Unit # I-16 well, located in the SE1/4 SE1/4 of Section 1, Township 41 South, Range 24 East, San Juan County, Utah to an enhanced recovery water injection well.

The proposed operating data for the well is as follows:

Injection Interval: Desert Creek Formation 5491 feet to 5560 feet
Maximum Estimated Surface Pressure: 2300 psig
Maximum Estimated Rate: 2000 BWPD

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, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

DATED this 27th day of December, 1984.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING

s/MARJORIE L. LARSON
Administrative Assistant

Published in The San Juan Record
January 9, 1985.

I, Joyce Martin, being duly sworn,

depose and say that I am the publisher of the San Juan Record, a weekly newspaper of general circulation published at Monticello, Utah, every Wednesday; that notice of application for administrative approval to convert well to a water injection well, Cause No. UIC-051 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 January 9, 1985. and the last publication having been made on _____

Signature

Joyce A. Martin
Publisher

Subscribed and sworn to before me this 9th day of January, A.D. 1985.

Ingrid K. Adams

Notary Public
Residing at Monticello, Utah

My commission expires December 2, 1987

AFFIDAVIT OF PUBLICATION.

PUBLIC NOTICE

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

IN THE MATTER OF THE APPLICATION OF SUPERIOR OIL COMPANY FOR ADMINISTRATIVE APPROVAL TO CONVERT THE McELMO CREEK #1-16, SECTION 1, TOWNSHIP 41 SOUTH, RANGE 24 EAST, SAN JUAN COUNTY, UTAH, TO A WATER INJECTION WELL.

CAUSE NO. UIC-051

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

Notice is hereby given that Superior Oil Company, P. O. Drawer "G", Cortez, Colorado 81321 has requested administrative approval from the Division to convert the McElmo Creek Unit # 1-16 well, located in the SE1/4 SE1/4 of Section 1, Township 41 South, Range 24 East, San Juan County, Utah to an enhanced recovery water injection well.

The proposed operating data for the well is as follows:

Injection Interval: Desert Creek Formation 5491 feet to 5560 feet
Maximum Estimated Surface Pressure: 2800 psig
Maximum Estimated Rate: 2000 BWP

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, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

DATED this 27th day of December, 1984.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING

s/MARJORIE L. LARSON
Administrative Assistant

Published in The San Juan Record
January 9, 1985.

I, Joyce Martin, being duly sworn,

depose and say that I am the publisher of the San Juan Record, a weekly newspaper of general circulation published at Monticello, Utah, every Wednesday; that notice of application for administrative approval to convert #1-16 to a water injection well, Cause No. UIC-051 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 7 issues, the first publication having been made on January 2, 1985, and the last publication having been made on _____

Signature

Joyce A. Martin
Publisher

Subscribed and sworn to before me this 28
day of January, A.D. 1985.

Donald K. Adams
Notary Public
Residing at Monticello, Utah

My commission expires December 2, 1987

Affidavit of Publication

ADM-35B

STATE OF UTAH,
County of Salt Lake

SS.

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

Before the division of Oil, Gas and Mining...

Application of Superior Oil Cause No. UIC-051

was published in said newspaper on

Jan. 11, 1985

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this 18th day of

January A.D. 1985

B. J. Davis

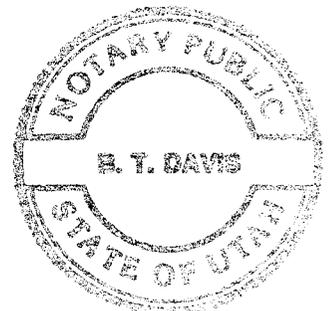
Notary Public

My Commission Expires

March 1, 1988

RECEIVED
JAN 23 1985

DIVISION OF
OIL, GAS & MINING



BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
CAUSE NO. UIC-051
IN THE MATTER OF THE APPLICATION OF SUPERIOR OIL
COMPANY FOR ADMINISTRATIVE APPROVAL TO CONVERT
THE McELMO CREEK #1-16, SECTION 1, TOWNSHIP 41
SOUTH, RANGE 24 EAST, SAN JUAN COUNTY, UTAH, TO A
WATER INJECTION WELL.
THE STATE OF UTAH TO ALL INTERESTED PARTIES IN
THE ABOVE ENTITLED MATTER.
Notice is hereby given that Superior Oil Company, P.O.
Drawer "C", Cortez, Colorado 81321 has requested administra-
tive approval from the Division to convert the McElmo Creek
Unit #1-16 well, located in the SE 1/4 SE 1/4 of Section 1, Township 41
South, Range 24 East, San Juan County, Utah to an enhanced
recovery water injection well.
The proposed operating data for the well is as follows:
Injection Interval: Desert Creek Formation 5491' to 5560'
Maximum Estimated Surface Pressure: 2800 psig
Maximum Estimated Rate: 2000 BWPD
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, 355 West North Temple, 3 Triad
Center, Suite 310, Salt Lake City, Utah 84180-1203.
DATED this 27th day of December, 1984.
STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
MARJORIE L. LARSON
Administrative Assistant
A-66

UIC - 051

Publication was sent to:

Routine Addresses

San Juan Record
Newspaper Agency

Navajo Tribe


December 31, 1984



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

January 29, 1985

Superior Oil Company
P.O. Drawer "G"
Cortez, Colorado 81321

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-051

Administrative approval is hereby granted to convert the below referenced well to an enhanced recovery water injection well. 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.

McElmo Creek Unit #I-16
Section 1, Township 41 South, Range 24 East
San Juan County, Utah

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

Best regards,

A handwritten signature in cursive script that reads "Dianne R. Nielson".

Dianne R. Nielson
Director

DN/CBF/mfp
010

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

---oo0oo---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-051
OF SUPERIOR OIL COMPANY FOR
ADMINISTRATIVE APPROVAL TO :
CONVERT THE McELMO CREEK #I-16, :
SECTION 1, TOWNSHIP 41 SOUTH, :
RANGE 24 EAST, SAN JUAN COUNTY, :
UTAH, TO A WATER INJECTION WELL. :

---oo0oo---

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

Notice is hereby given that Superior Oil Company, P.O. Drawer
"G", Cortez, Colorado 81321 has requested administrative approval from
the Division to convert the McElmo Creek Unit #I-16 well, located in
the SE1/4 SE1/4 of Section 1, Township 41 South, Range 24 East, San
Juan County, Utah to an enhanced recovery water injection well.

The proposed operating data for the well is as follows:

Injection Interval: Desert Creek Formation 5491' to 5560'
Maximum Estimated Surface Pressure: 2800 psig
Maximum Estimated Rate: 2000 BWPD

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, 355 West North Temple, 3 Triad
Center, Suite 350, Salt Lake City, Utah 84180-1203.

DATED this 27th day of December, 1984.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson
MARJORIE L. LARSON
Administrative Assistant

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN THIS DATE*
(Other instructions on reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		2. UNIT AGREEMENT NAME CELMO CREEK	
2. NAME OF OPERATOR MOBIL OIL CORP AS AGENT OF SUPERIOR OIL		3. FARM OR LEASE NAME -	
3. ADDRESS OF OPERATOR P. O. DRAWER 'G', CORTEZ, CO 81321		9. WELL NO. I-16	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 820' FSL, 500' FEL		10. FIELD AND POOL, OR WILDCAT GREATER ANETH	
14. PERMIT NO. 43-037-15497		15. ELEVATIONS (Show whether DF, RT, OR, etc.) DF: 4698'	
		12. COUNTY OR PARISH SAN JUAN	
		18. STATE UTAH	

RECEIVED

JAN 13 1986

DIVISION OF OIL
GAS & MINING

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

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

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

- 12-11-85 MIRU. POOH w/ rods and pump. NU BOPs.
- 12-12-85 POOH w/ tbg. RU hydrotesters. RIH w/ bit and scraper, hydrotesting to 6500 psi. Lost part of hydrotest tool in hole. POOH w/ tbg. RIH w/ spear and recovered fish. RIH w/ tbg and pkr.
- 12-13-85 Set pkr @ 5436'. Prepared to acidized well. Pump truck broke down.
- 12-14-85 Acidized fm w/ 4000 gal 28% HCl in four stages w/ salt plugs for diverting. Rate 4 BPM. Max pressure 1290 psi. ISIP 850 psi. 5 min SIP 0. Swabbed 5 hrs rec 100 bbls.
- 12-15-85 SD for Sunday
- 12-16-85 Swabbed 9 hrs. Starting FL 3800', ending FL 4500'. Rec 120 bbls.
- 12-17-85 Unable to release pkr. Pumped 140 bbls S/W down tbg. PKr stuck. Ran free point. Stuck @ pkr. Shot two holes in tbg 4' above pkr.
- 12-18-85 Circ thru tbg perms for 2 hrs. Unable to move pkr. Cut off tbg 6' above pkr and POOH. RIH w/ fishing tools.

(Continued on attached page)

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

SIGNED

D. C. Collins

TITLE

Sr Staff Op Engr

DATE

1.9.86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

McElmo Creek Unit I-16

- 12-19-85 Caught fish and worked jars. PKr came loose. FOOH w/ fish. Ran bit and scraper to bottom. FOOH.
- 12-20-85 RIH w/ 173 jts 2-3/8" J-55 8 rd EUE tbg internally coated w/ PA 400 and Guiberson pkr, hydrotesting to 5500 psi. Unable to set pkr. FOOH.
- 12-21-85 RIH w/ new pkr. Set pkr @ 5468'. NU wellhead. Tested to 600 psi - OK.
- 12-22-85 SD for Sunday.
- 12-23-85 RDMD.
- 12-24-85 Placed well on injection.

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

RECEIVED

JAN 06 1986

DIVISION OF OIL
GAS & MINING

RULE I-7 (d & e)

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

Check Appropriate Classification:

Date of Commencement/Termination

12/24/85

Disposal Well

Enhanced Recovery Injection Well

Enhanced Recovery Project

Well Name McElmo Creek Unit I-16

Location: Section 1 Twp. 41S Rng. 24E County San Juan Co.

Order No. authorizing Injection UIC-DSI Date 1/29/85

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 Mobil Oil Corp as Agent for Superior Oil

Address P.O. Drawer G, Cortez, Co 81321


Signature

12/30/85
Date

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.

Approved for conversion 1985

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

OPERATOR: SUPERIOR/MOBIL

FIELD: Greater Aneth LEASE: McElmo Creek

WELL # (13-1) I-16 SEC. 1 TOWNSHIP 41S RANGE 24E

STATE FED. FEE DEPTH 5738 TYPE WELL INJW MAX. INJ. PRESS. 2800 psig
2000 BWP

TEST DATE 10/22/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>13 3/8</u>	<u>79'</u>	<u>75 SX</u>	<u>-0-</u>		
<u>INTERMEDIATE</u>	<u>8 5/8</u>	<u>445'</u>	<u>253 SX</u>			
<u>PRODUCTION</u>	<u>5 1/2</u>	<u>5736'</u>	<u>365 SX</u>	<u>-0-</u>		
<u>TUBING</u>	<u>2 3/8"</u>			<u>2000</u>		
	<u>5 1/2" PC PKR AT 5480'</u>					

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

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

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

RECEIVED
APR 05 1990

DIVISION OF
OIL, GAS & MINING

Form Approved
Budget Item No. 1004-0135
Expires September 30, 1990
5. Lease Designation and Serial No.
Unit 96-004190

1. Type of Well
Oil Gas
 Well / Well / Other

6. If Indian, Allottee or Tribe Name
NavaJo Tribal

7. If Unit or CA, Agreement Designation
McElmo Creek Unit

8. Well Name and No.
I-16

2. Name of Operator
MOBIL OIL CORPORATION

9. API Well No.
43-037-15497

3. Address and Telephone No.
P. O. Drawer G, Cortez, Co. 81321 303-565-2200

10. Field and Pool, or Exploratory Area
Greater Aneth

4. Location or Well (Footage, Sec., T., R., M. or Survey Description)
550 FEL 820 FSL, Sec 1, T41S, R24E

11. County or Parish, State
San Juan, Utah

OIL AND GAS	
DRN	RJF
JRB	1 - GLH ✓
DTS	SLS
2-TAS	
3. MICROFILM ✓	
4. FILE ✓	

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 Long term shut-in
	<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

(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.)*

Mobil has put this well on a long term shut-in status. This injection well is not taking any fluid and is scheduled for reconditioning within the next twelve months and will be put back on active status. This well is part of the CO2 flooding expansion within the McElmo Creek Unit.

Mobil Exploration and Producing U. S. Inc., as agent for Mobil Oil Corp.

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

Signed C. J. Benally Title Sr. Staff Environmental Engineer Date 3/30/90
C. J. Benally

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

UIC	
GLH	✓
DJJ	✓
COMPUTER	✓
MICROFILM	✓
FILE	✓

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.

WJW

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

1. Oil Well Gas Well Other: WIM

2. Name of Operator
MOBIL OIL CORPORATION

3. Address of Operator
P. O. DRAWER G, CORTEZ, CO. 81321

4. Location of Well

550' FKL, 820' FSL

14. Permit No.

5497

15. Elevations (DF, RT, GR)

GL: 4698

5. Lease Designation &
Serial No.

43-037-15497

6. If Indian, Allottee or Tribe Name
NAVAJO

7. Unit Agreement Name
NCELMO CREEK

8. Farm or Lease Name
NCELMO CREEK UNIT

9. Well No.

I-16

10. Field and Pool, or Wildcat
GREATER ANETH

Sec. T, R, N or BLK and
Survey or Area

Sec. 1, T41S, R24E

12. County, Parish

San Juan

13. State

Utah

RECEIVED
MAY 04 1990
DIVISION OF
OIL, GAS & MINERAL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

Notice of Intention To:

Subsequent Report of:

Test Water Shut-off <input type="checkbox"/>	Pull or Alter Casing <input type="checkbox"/>	Water Shut-off <input type="checkbox"/>	Repairing Well <input type="checkbox"/>
Fracture Treat <input type="checkbox"/>	Multiple Complete <input type="checkbox"/>	Fracture Treatment <input type="checkbox"/>	Altering Casing <input type="checkbox"/>
Shoot or Acidize <input type="checkbox"/>	Abandon * <input type="checkbox"/>	Shooting/Acidizing <input type="checkbox"/>	Abandonment * <input checked="" type="checkbox"/>
Repair Well <input type="checkbox"/>	Change Plans <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>			

Temporary Abandonment

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

Well I-16 was reported verbally on 3/23/90 to Mr. Gustav Stolz as having annular pressure. Casing leaks were discovered from 1212'-1322'. A casing inspection log was ran and it was determined by Mobil that this well would be better suited for 5" flush joint liner from TD to surface. The intent is to cement liner from TD to surface and fabricate the bottom 300'-500' from corrosion resistant alloy. However, due to the length of time required to obtain corrosion resistant alloys, the availability appears to be January, 1990. A CIBP was set at 5400' and the hole was inhibited with packer fluid until liner materials become available. No pressure was on well after bridge plug was set. Anticipated date to return to injection is January, 1990. At this time the well is TEMPORARILY ABANDONED.

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

Signed: T. Wayne McPherson Title: ENGINEER Date: 4/19/90
T. Wayne McPherson

(This space for Federal or State office use)

APPROVED BY _____ TITLE: _____ DATE: _____

CONDITIONS OF APPROVAL, IF ANY:

UIC	
GLH	<input checked="" type="checkbox"/>
DJJ	<input type="checkbox"/>
BGH	<input type="checkbox"/>
COMPUTER	
MICROFILM	
FILE	

OIL AND GAS	
DRN	R/R
JRB	1- GLHV
DTS	SLS
2-TAS	
3- MICROFILM	
4-UIC FILE	

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

14-20-603-4039

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

MICELMO CREEK

8. Well Name and No.

T-16

9. API Well No.

43-037-15497

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN, UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other WIW

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No.

P.O. BOX 633 MIDLAND, TX 79702

(915) 688-2585

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

550' FEL, 820' FSL

Sec. 1, T41S, R24E

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 <u>SI/TA EXTENSION</u>
	<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.)*

MOBIL REQUESTS AN EXTENSION OF THE SHUT-IN/TA'D STATUS OF THIS WELL. MOBIL IS IN THE FINAL PHASE OF THE FIELD-WIDE CO2 INJECTION DISTRIBUTION SYSTEM AND TOTAL UPGRADE OF THE WATER INJECTION SYSTEM. EVALUATION OF EACH WELL IS BEING IMPLEMENTED TO DETERMINE EXTENT TO DOWN-HOLE RECONDITIONING FOR INJECTION. REACTIVATING WELLS TO CO2 FLOODING AND/OR MAKING FINAL DETERMINATION ON EACH WELL IS PROJECTED TO BE DONE WITHIN ONE TO TWO YEARS OR TO PLUG AND ABANDON WELL.

RECEIVED

APR 22 1991

DIVISION OF
OIL GAS & MINING

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

Signed Shirley Todd SHIRLEY TODD

Title _____

Date 4/19/91

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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

5. Lease Designation and Serial No.
14-20-603-4039

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
MCELMO CREEK

8. Well Name and No.
I-16

9. API Well No.
43-037-15497

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No.

P.O. BOX 633 MIDLAND, TX 79702

(915) 688-2585

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

500' FEL, 820' FSL SEC. 1, T41S, R24E

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 <u>SI/TA EXTENSION</u>
	<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.)

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RECEIVED

APR 06 1992

DIVISION OF OIL GAS & MINING

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

DATE: 4-13-92
BY: [Signature]

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

Signed Shirley Dodd Title Env. & Reg. Technician Date 4-2-92

(This space for Federal or State office use)

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

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.
14-20-603-4039

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
MCELMO CREEK

8. Well Name and No.
I-16

9. API Well No.
43-037-15497

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UTAH

SUBMIT IN TRIPLICATE
RECEIVED
FEB 12 1993
BUREAU OF LAND MANAGEMENT

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
MOBIL OIL CORPORATION

3. Address and Telephone No.
P.O. BOX 633 MIDLAND, TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
500' FEL, 820' FSL SEC. 1, T41S, R24E

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 SI/TA EXTENSION
	<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.)

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MOBIL REQUESTS AN EXTENSION OF THE SHUT-IN/TA'D STATUS OF THIS WELL. MOBIL IS IN THE FINAL PHASE OF THE FIELD-WIDE CO2 INJECTION DISTRIBUTION SYSTEM AND TOTAL UPGRADE OF THE WATER INJECTION SYSTEM. EVALUATION OF EACH WELL IS BEING IMPLEMENTED TO DETERMINE EXTENT TO DOWN-HOLE RECONDITIONING FOR INJECTION. REACTIVATING WELLS TO CO2 FLOODING AND/OR MAKING FINAL DETERMINATION ON EACH WELL IS PROJECTED TO BE DONE WITHIN ONE TO TWO YEARS OR TO PLUG AND ABANDON WELL.

THIS APPROVAL EXPIRES APR 20 1993

RECEIVED
FEB 11 1993
BUREAU OF LAND MANAGEMENT

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

Signed Shelby Dadd Title Env. & Reg. Technician Date A.P.R. 19/2/93

(This space for Federal or State office use)

Approved by _____ Title _____
Conditions of approval, if any: _____
APR 20 1993
AREA MANAGER

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.

McElmo Creek Unit I-16
Uneconomical Well

PLUG AND ABANDONMENT PROCEDURE

NOTE: Any revisions to the following procedure are subject to Mobil and BLM approval.

1. Notify Mark Kelley with the Bureau of Land Management at 505/599-8900 and Jim Walker with the Navajo EPA at 505/368-4125 at least 48 hours prior to plugging the well. Document date/time BLM and EPA are notified and also document the date/time that BLM and/or EPA representatives are on location.
2. MI workover rig. Load well with 10 ppg brine. NU and PT BOP's. RIH with Baker on/off tool overshot on 2-7/8" workstring to 5430'. Displace hole to 10 ppg brine. Engage on/off tool at +/- 5440'. RIH with slickline and recover 1.81 blanking plug. Release Baker Lok-set packer and POH. RIH with 4-3/4" bit without nozzles, casing scraper for 5-1/2", 15.5 lb/ft casing and bulldog bailer on 2-7/8" workstring and CD to 5560'. POH. RU wireline unit. RIH with cement retainer on wireline and set at 5237' EL. POH. RD wireline unit. RIH with star-guide stinger and 500' of 2-3/8" CS Hydril tailpipe on 2-7/8" workstring. Sting into cement retainer and pressure test backside to 200 psi and monitor. Establish an injection rate of 1-2 BPM using lease water. Mix and pump 5 bbls fresh water spacer, 87 cu ft of class B 15.6 ppg neat cement, 5 bbls of fresh water spacer. Displace cement to cement retainer using lease water. Do not exceed 2000 psi surface injection pressure. Pull out of cement retainer and reverse out hole to 9 ppg fresh water mud having a minimum viscosity of 50 sec/qt containing a minimum of 15 lbs/bbl of sodium bentonite and a nonfermenting polymer.
3. PU to 4622' and spot 27 cu ft of class B 15.6 ppg neat cement from 4622'-4422'. Pull out of cement plug at less than 30 ft/min. WOC.
4. Tag top of cement plug with workstring. Cement top must be above 4472'. Spot additional cement as necessary. POH laying down all but 977' of 2-7/8" workstring.
5. RU wireline. RIH with 4" perforating gun loaded at 4 SPF with deep penetrating charges at 90 degree phasing and perforate 1527'-1531'. POH. RIH with cement retainer on wireline and set at 1477'. POH. RD wireline.

6. RIH with star-guide stinger, 500' of 2-3/8" CS Hydril tubing, on 2-7/8" workstring. Displace tubing string with fresh water. Sting into cement retainer at 1477'. PT backside to 200 psi and monitor. Establish injection rate of 1-2 BPM using fresh water. Mix and pump 327 cu ft of cement and displace to cement retainer using fresh water. Do not exceed 2000 psi surface injection pressure. Pull out of cement retainer and reverse out using 9 ppg mud. Fill hole with class B 15.6 ppg neat cement in 400' stages, laying down workstring while POH. Calculated volume required to fill hole is 200 cu ft.
7. If top of casing strings are above ground level, cut off casing strings at ground level. Top off all casing annuli with cement. Use 1" spaghetti string if necessary to spot cement. Weld on a 1/4" steel plate having a 1/4" weep hole. Steel plate should cover all casing strings and have the following information welded to the top of the plate:

Mobil E&P U.S., Inc.
McElmo Creek Unit #I-16
Navajo Tribal Lease
14-20-603-4039
500' FEL, 820' FSL
Sec. 1 - T41S - R24E
San Juan Co., Utah

9. RDMD workover rig. Haul off salvaged equipment and clean location. Notify Shirley Todd with Mobil at 918/688-2585 when work is completed so that a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5) can be filed with the Bureau of Land Management.

Mobil Operations Engineer: Sean S. Murphy
Office Phone: 303/565-2208
Home Phone: 303/564-9423

McElmo Creek Unit # I-16

API # 43-037-15497

JOB OR AUTH. NO.

LOCATION 500' FEL, 820' FSL Sec. 1-T41S-R24E

PAGE

SUBJECT Plug and Abandon

DATE 8/Sept/93

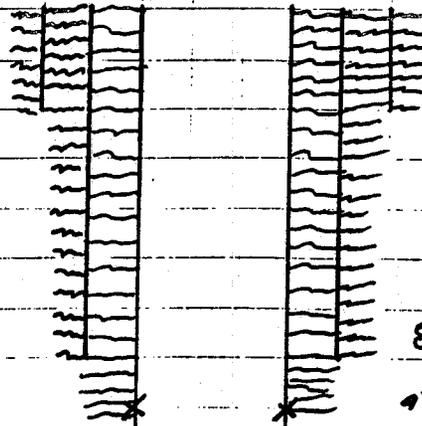
LEASE 14-20-603-4039

BY S. S. Murphy

EXISTING

KB 4699'

GL 4688'



13-3/8" 35.6# Armo sw
at 79' cont'd w/ 75 sxs
to surface

8-5/8" 24# J-55 Csg
at 445' cont'd w/ 255 sxs
to surface

Hole in Csg at 630'
SQ2D w/ 140 sxs
Calc. TOC at surface

Top of Chinley at 1427'

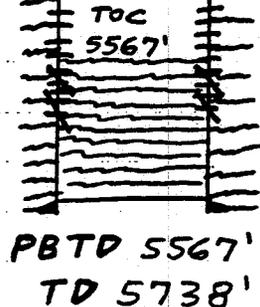
TOC at 3635' (Calc.)

Top of Hermosa 4522'

Top of Ismay at 5337'

PERFS

Baker Lok-set PKR
w/on-off tool w/1.81"
profile blanking plug
Bottom of Assem. at
5447'



5491-5513', 5529-5560'
5560-5573 SQ2D 5583-5625' SQ2D
5633-5642' SQ2D 5652-5680' SQ2D
5-1/2" 15.5# J-55 Csg
at 5736' cont'd w/ 365 sxs

Hole size: 7-7/8"

PBTD 5567'
TD 5738'

McElmo Creek Unit # I-16

API # 43-037-15497

JOB OR AUTH. NO.

LOCATION 500' FEL, 820' FSL Sec. 1-T41S-R24E

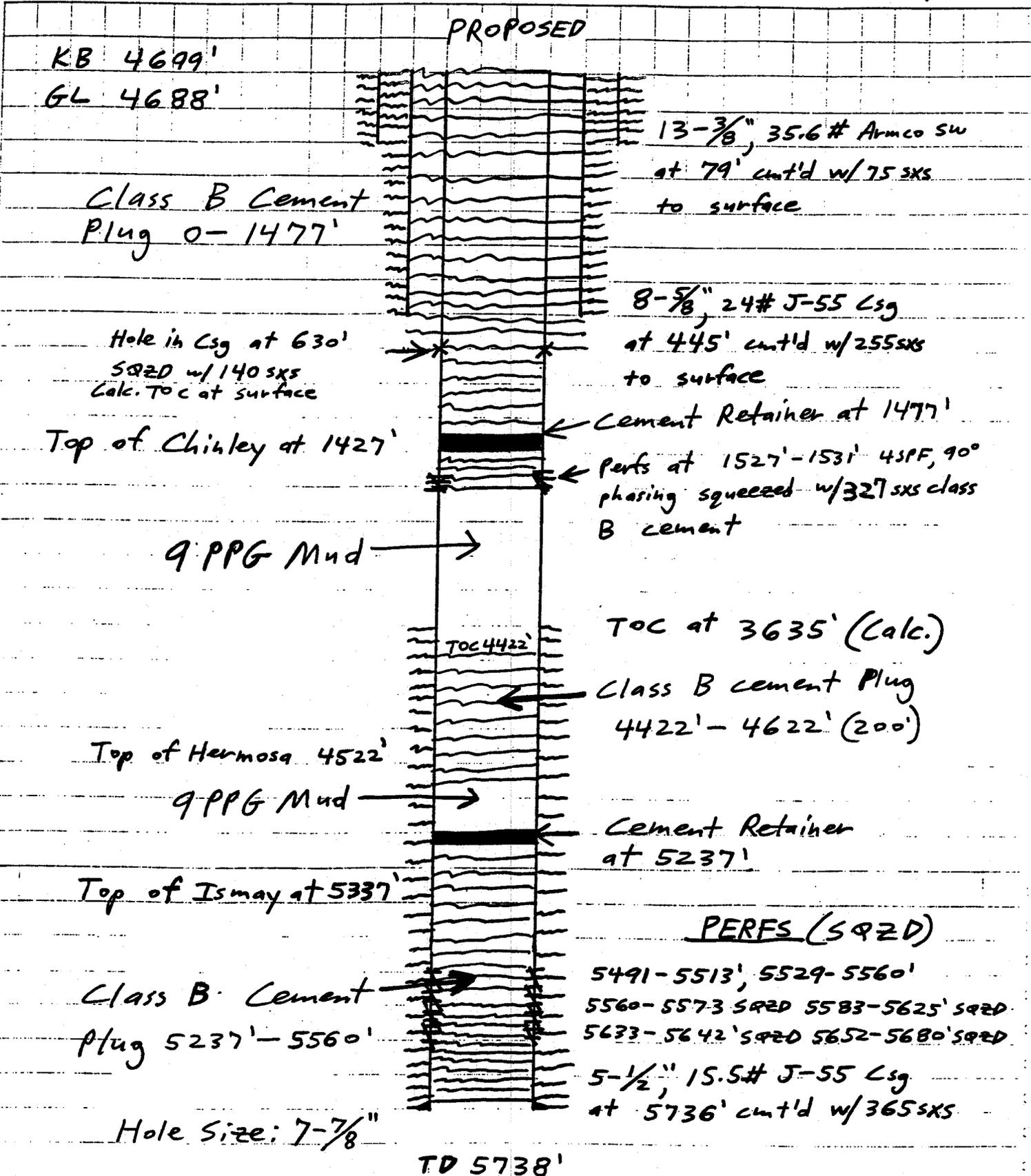
PAGE

SUBJECT Plug and Abandon

DATE 8/Sept/93

LEASE 14-20-603-4039

BY S. S. Murphy



McElmo Creek Unit I-16
Uneconomical Well
REVISED
PLUG AND ABANDONMENT PROCEDURE

43-037-15497
Sec 1 T415 R24E

NOTE: Any revisions to the following procedure are subject to Mobil and BLM approval.

1. Notify Mark Kelley with the Bureau of Land Management at 505/599-8900 and Jim Walker with the Navajo EPA at 505/368-4125 at least 48 hours prior to plugging the well. Document date/time BLM and EPA are notified and also document the date/time that BLM and/or EPA representatives are on location.
2. MI workover rig. Load well with 10 ppg brine. NU and PT BOP's. RIH with Baker on/off tool overshot on 2-7/8" workstring to 5430'. Displace hole to 10 ppg brine. Engage on/off tool at +/- 5440'. RIH with slickline and recover 1.81 blanking plug. NOTE: If well is not dead rerun blanking plug and leave Baker Lok-set packer in hole, otherwise, release Baker Lok-set packer and POH. RIH with 4-3/4" bit without nozzles and casing scraper for 5-1/2". 15.5 lb/ft casing on 2-7/8" workstring and CO to 5400'. POH. RU wireline unit. RIH with CIBP on wireline and set at 5391' EL. POH. RD wireline unit. RIH with workstring (2-3/8" CSH stinger optional) and tag CIBP. Spot 21 cu ft class B 15.6 ppg neat cement (156') on top of CIBP. Pull out of cement and reverse out hole to 9 ppg fresh water mud having a minimum viscosity of 50 sec/qt containing a minimum of 15 lbs/bbl of sodium bentonite and a nonfermenting polymer. NOTE: If well is taking fluid after setting CIBP, cement plug will need to be tagged.
3. PU to 4622' and spot 27 cu ft of class B 15.6 ppg neat cement from 4622'-4422'. Pull out of cement plug at less than 30 ft/min. WOC.
4. Tag top of cement plug with workstring. Cement top must be above 4472'. Spot additional cement as necessary. POH laying down all but 977' of 2-7/8" workstring.
5. RU wireline. RIH with 4" perforating gun loaded at 4 SPF with deep penetrating charges at 90 degree phasing and perforate 1527'-1531'. POH.

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

DATE: 10-14-93

BY: J. Matthews

RECEIVED

OCT 04 1993

DIVISION OF
OIL, GAS & MINING

6. RIH with cement retainer on 2-7/8" workstring and set at 1477'. (Wireline set cement retainer optional) PT backside to 200 psi and monitor. Establish injection rate of 1-2 BPM using fresh water. Mix and pump 327 cu ft of cement and displace to cement retainer using fresh water. Do not exceed 2000 psi surface injection pressure. Pull out of cement retainer and reverse out using 9 ppm mud. POH and lay down drag block setting tool. RIH with 2-7/8" workstring (2-3/8" CSH tailpipe optional) and fill hole with class B 15.6 ppm neat cement in 400' stages, laying down workstring while POH. Calculated volume required to fill hole is 200 cu ft.
7. If top of casing strings are above ground level, cut off casing strings at ground level. Top off all casing annuli with cement. Use 1" spagetti string if necessary to spot cement. Weld on a 1/4" steel plate having a 1/4" weep hole. Steel plate should cover all casing strings and have the following information welded or stamped on the top of the plate:

Mobil E&P U.S.. Inc.
McElmo Creek Unit #1-16
Navajo Tribal Lease
14-20-603-4039
500' FEL. 820' FSL
Sec. 1 - T41S - R24E
San Juan Co.. Utah

8. RDMO workover rig. Haul off salvaged equipment and clean location. Notify Shirley Todd with Mobil at 918/688-2585 when work is completed so that a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5) can be filed with the Bureau of Land Management.

Mobil Operations Engineer: Sean S. Murphy
Office Phone: 303/565-2208
Home Phone: 303/564-9423

McElmo Creek Unit # I-16

API # 43-037-15497

JOB OR AUTH. NO.

LOCATION 500' FEL, 820' FSL Sec. 1-T41S-R24E

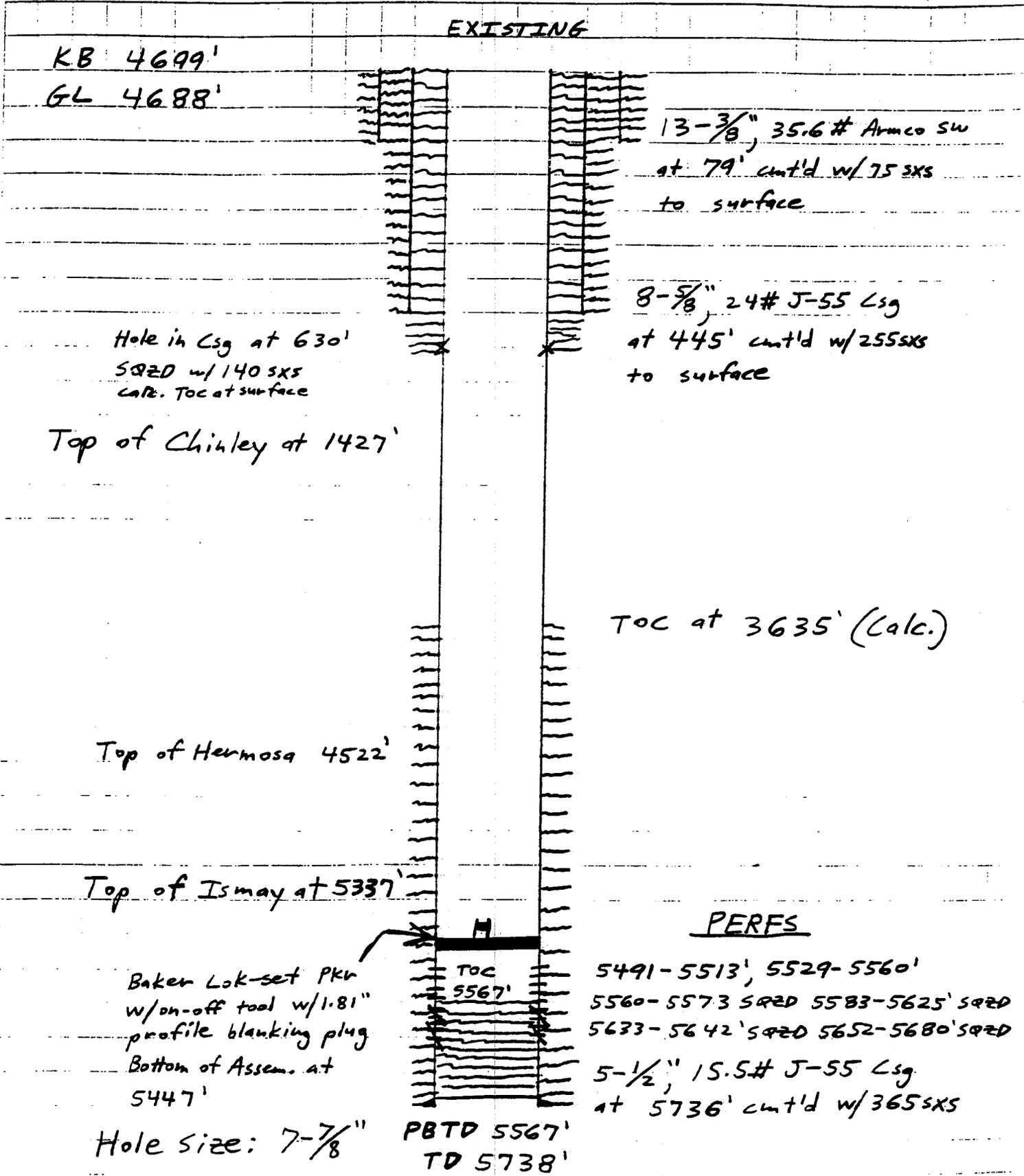
PAGE

SUBJECT Plug and Abandon

DATE 8/Sept/93

LEASE 14-20-603-4039

BY S. S. Murphy



EXISTING

KB 4699'
GL 4688'

13-3/8" 35.6# Armco SW
at 79' cmt'd w/75 SXS
to surface

Hole in Csg at 630'
S&R2D w/140 SXS
Calc. TOC at surface

8-5/8" 24# J-55 Csg
at 445' cmt'd w/255 SXS
to surface

Top of Chinley at 1427'

TOC at 3635' (Calc.)

Top of Hermosa 4522'

Top of Ismay at 5337'

PERFS

Baker Lok-set PKR
w/on-off tool w/1.81"
profile blanking plug
Bottom of Assem. at
5447'

TOC
5567'
PBD 5567'
TD 5738'

5491-5513', 5529-5560'
5560-5573 S&R2D 5583-5625' S&R2D
5633-5642' S&R2D 5652-5680' S&R2D
5-1/2" 15.5# J-55 Csg
at 5736' cmt'd w/365 SXS

Hole size: 7-7/8"

McElmo Creek Unit # I-16

API # 43-037-15497

JOB OR AUTH. NO.

LOCATION 500' FEL, 820' FSL Sec. 1-T415-R24E

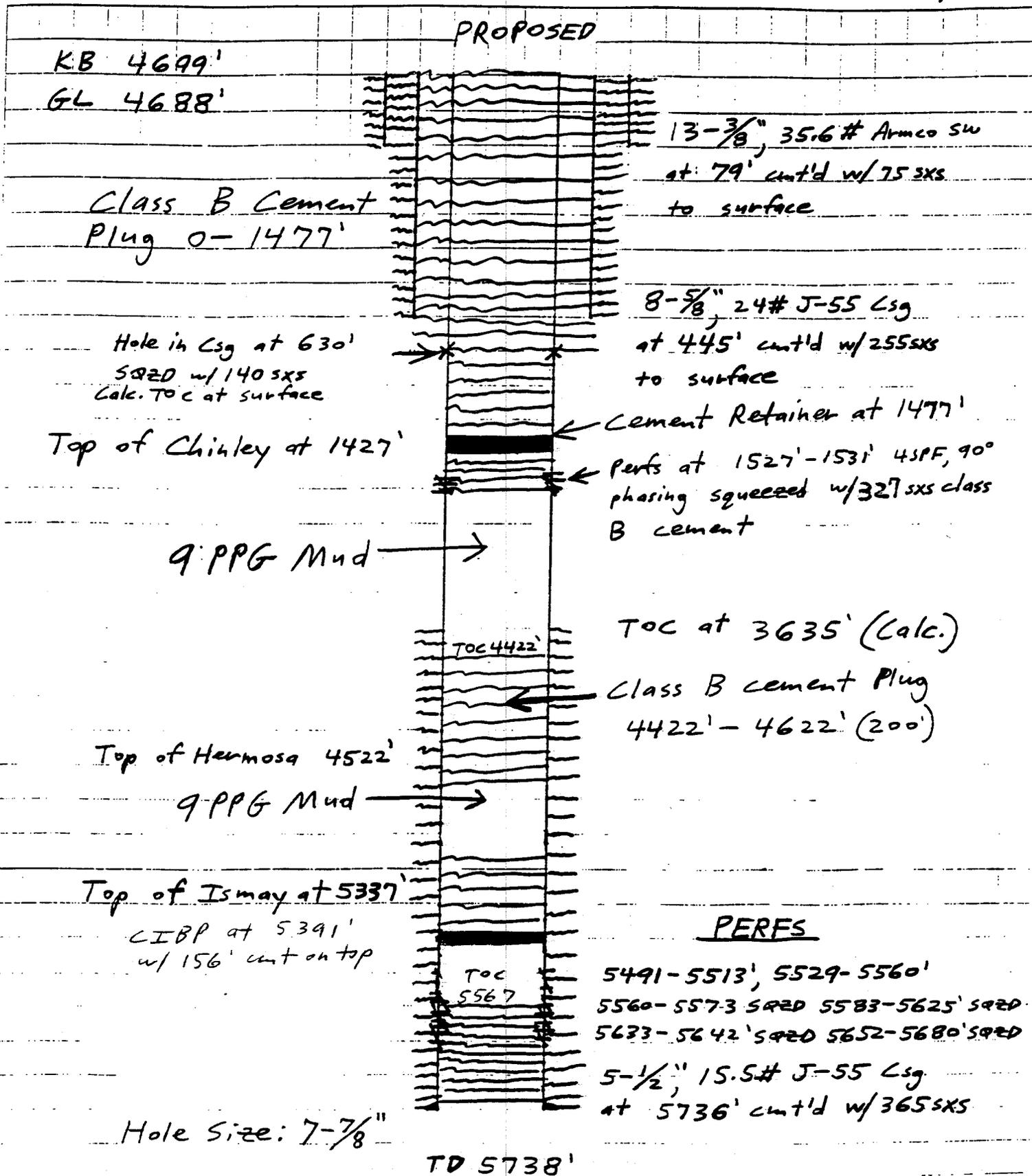
PAGE

SUBJECT Plug and Abandon

DATE 8/Sept/93

LEASE 14-20-603-4039

BY S. S. Murphy



PROPOSED

KB 4699'

GL 4688'

Class B Cement Plug 0-1477'

Hole in Csg at 630'
SQ20 w/ 140 sxs
Calc. TOC at surface

Top of Chinley at 1427'

9 PPG Mud

TOC 4422'

Top of Hermosa 4522'

9 PPG Mud

Top of Ismay at 5337'

CIBP at 5391'
w/ 156' cont on top

TOC 5567'

Hole Size: 7-7/8"

TD 5738'

13-3/8" 35.6 # Armco SW
at 79' cont'd w/ 75 sxs
to surface

8-5/8" 24 # J-55 Csg
at 445' cont'd w/ 255 sxs
to surface

Cement Retainer at 1477'
Perfs at 1527'-1531' 4SPF, 90°
phasing squeezed w/ 327 sxs class
B cement

TOC at 3635' (Calc.)

Class B cement Plug
4422' - 4622' (200')

PERFS

5491-5513', 5529-5560'
5560-5573 SQ20 5583-5625' SQ20
5633-5642' SQ20 5652-5680' SQ20

5-1/2" 15.5 # J-55 Csg
at 5736' cont'd w/ 365 sxs

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

5. Lease Designation and Serial No.
14-20-603-4039

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
MCELMO CREEK UNIT

8. Well Name and No.
MCELMO CREEK UN I-16

9. API Well No.
43-037-15497

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

MOBIL EXPLORATION & PRODUCING US, AS AGENT FOR MOBIL OIL CORPORATION

3. Address and Telephone No.

P. O. BOX 633, MIDLAND, TX 79702 (915) 688-2585

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

500' FOEL, 820' FSL; SEC. 1, T41S, R24E

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 Change of Plans
 Recompletion New Construction
 Plugging Back Non-Routine Fracturing
 Casing Repair Water Shut-Off
 Altering Casing Conversion to Injection
 Other Dispose Water

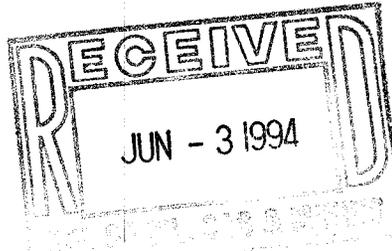
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13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true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

11/09/93 NOTIFIED KEVIN SCHNEIDER OF THE BLM.

11/10/93 KEVIN SCHNEIDER ON LOCATION. MIRU. RIH & SET CIBP @ 5391'. ATTEMPT TO PSI CSG TO 500# - LEAKED OFF INSTANTLY. RIH W/OE TBG TO TOP OF CIBP AT 5391'. SPOT 21 CU/FT CLASS B CMT 1.18 YIELD AND 15.6#, TOTAL 156'. CIRC HOLE TO 9# FR WTR MUD. SPOT 27 CU/FT CLASS B PLUG 4622-4422'. POOH W/20 STDS PIPE.

11/11/93 KEVIN SCHNEIDER ON LOCATION. TAG CMT PLUG @4303'. CIRC CMT IN 400' STAGES TO SURF ALL CMT CLASS B 1.18 YIELD 15.6# TOTAL OF 248 SXS INSIDE CSG. CLOSE BLINDS & PUSH 45 SX CMT INTO CSG AT 700 PSI. HOOK UP TO BRADEN HEAD AND SQZ 77 SX CMT INTO ANNULUS. DIG OUT AND CUT OFF WELLHEAD.



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

Signed Shirley Dodd Title ENV. & REG. TECHNICIAN Date 05/25/94

(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.

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

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

5. Lease Designation and Serial No.
14-20-603-4039

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation
MCELMO CREEK UNIT

8. Well Name and No.
MCELMO CREEK UN I-16

9. API Well No.
43-037-15497

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
MOBIL EXPLORATION & PRODUCING US, AS AGENT FOR MOBIL OIL CORPORATION

3. Address and Telephone No.
P. O. BOX 633, MIDLAND, TX 79702 (915) 688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
500' FEL, 820' FSL; SEC. 1, T41S, R24E

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

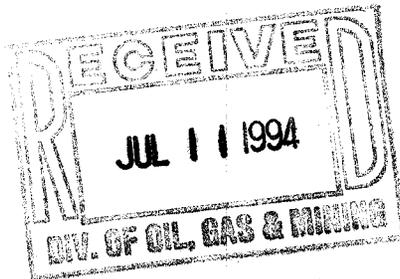
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other RE-ENTER
	<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.)*

06-29-94 DAVE HOLGUIN WITH THE EPA APPROVED RE-ENTRY.

*** SEE ATTACHMENTS ***



**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 *D. Swine for Shirley Todd* Title ENV. & REG. TECHNICIAN Date 07/05/94

(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.

McElmo Creek Unit I-16

RETURN TO INJECTION FROM CURRENT P & A STATUS

The McElmo Creek Unit I-16 is currently P & A'd and is being proposed to be returned to CO₂/Water injection status. The well has 6 offset producers with an average oil cut of 33 percent and is one of the best patterns in the field. The well was P & A'd in 1993 due to the poor condition of the 5-1/2" production casing. The decision was made to P & A this well after considering the costs of running a new casing string inside of the 5-1/2" casing and running 2-3/8" tubing which would have limited injection rates. The running of a new casing string would have been cost prohibitive. An alternate idea was recently investigated which involves the following steps:

1. Drill out all cement and CIBP's in 5-1/2" casing and clean well out to 5670'.
2. Perforate the intervals 5530'-5660' and 5490'-5520' with 4 SPF.
3. Spot 20/40 sand from PBTD at 5670' to 5480'. Tag and confirm sand top.
4. RIH with tubing set packer on 2-7/8", 6.5 lb/ft EUE 8rd Fluorolined injection tubing with torque rings. Have 1 joint of injection tubing below packer. Space end of tubing out to be at 5479'.
5. Circulate class B cement until clean cement returns are present from the 5-1/2"/2-7/8" annulus. Displace cement to end of tubing at 5479' using at least 10 bbls of high viscosity pill behind cement. Hold final displacement pressure on cement.
6. Set packer at 5450'. RU injection tree.
7. After cement has set up, clean out cement/sand inside tubing/casing down to PBTD at 5670' using a coiled tubing unit with a dynadrill.
8. Place well on CO₂ injection. If injectivity is low, acidize well as necessary using coiled tubing unit.

McElmo Creek Unit # I-16

API # 43-037-15497

JOB OR AUTH. NO.

LOCATION 500' FEL, 820' FSL Sec. 1-T41S-R24E

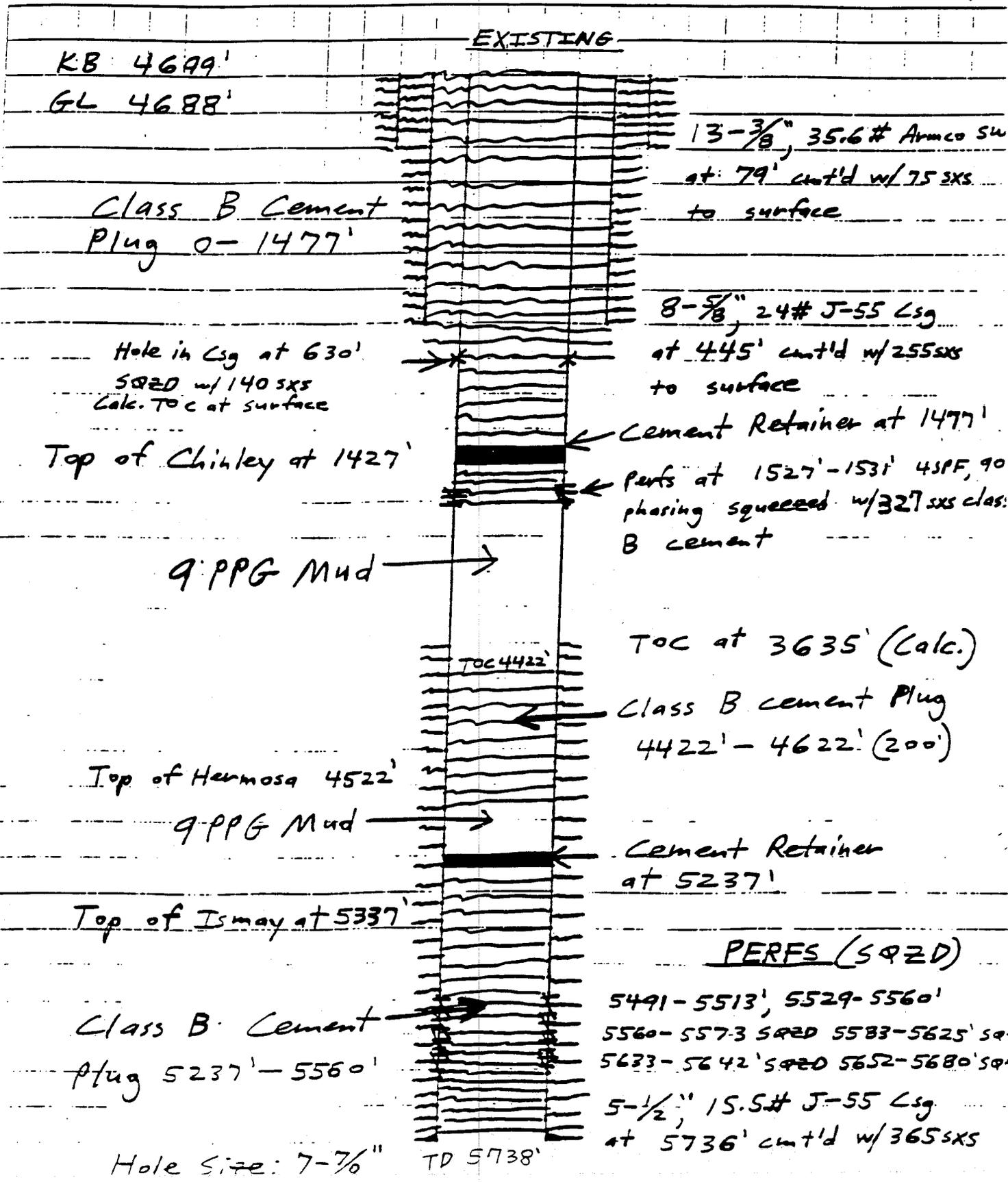
PAGE

SUBJECT

DATE 14/April/94

LEASE 14-20-603-4039

BY S. S. Murphy



EXISTING

KB 4699'

GL 4688'

Class B Cement Plug 0-1477'

Hole in Csg at 630' SQZD w/ 140 SXS Calc. TOC at surface

Top of Chinley at 1427'

9 PPG Mud

TOC 4422'

Top of Hermosa 4522'

9 PPG Mud

Top of Ismay at 5337'

Class B Cement Plug 5237' - 5560'

Hole Size: 7-7/8"

TD 5738'

13-3/8" 35.6 # Armo S&W at 79' cont'd w/ 75 SXS to surface

8-5/8" 24 # J-55 Csg at 445' cont'd w/ 255 SXS to surface

Cement Retainer at 1477'

Perfs at 1527'-1531' 4SPF, 90 phasing squeezed w/ 327 SXS class B cement

TOC at 3635' (Calc.)

Class B cement Plug 4422' - 4622' (200')

Cement Retainer at 5237'

PERFS (SQZD)

5491-5513', 5529-5560'
5560-5573 SQZD 5583-5625' SQ
5633-5642' SQZD 5652-5680' SQ

5-1/2" 15.5 # J-55 Csg at 5736' cont'd w/ 365 SXS

McElmo Creek Unit # I-16

API # 43-037-15497

JOB OR AUTH. NO.

LOCATION 500' FEL, 820' FSL Sec. 1-T415-R24E

PAGE

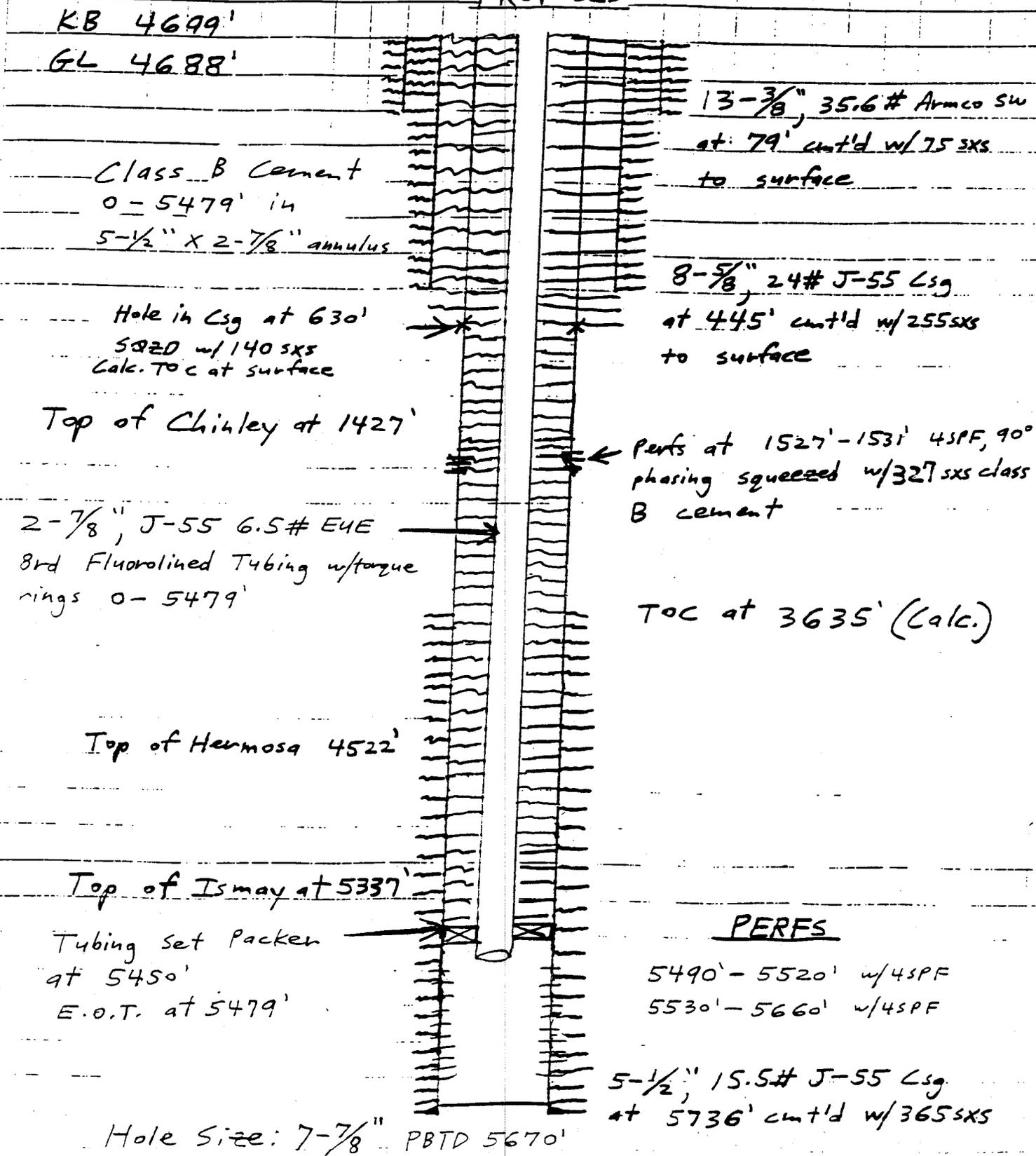
SUBJECT

DATE 14/April/94

LEASE 14-20-603-4039

BY S. S. Murphy

PROPOSED



KB 4699'
GL 4688'

Class B Cement
0 - 5479' in
5-1/2" x 2-7/8" annulus

Hole in Csg at 630'
S&SD w/140 SXS
Calc. TOC at surface

Top of Chinley at 1427'

2-7/8" J-55 6.5# EYE
8rd Fluorolined Tubing w/torque
rings 0 - 5479'

Top of Hermosa 4522'

Top of Ismay at 5337'

Tubing Set Packer
at 5450'
E.O.T. at 5479'

Hole Size: 7-7/8" PBTD 5670'

13-3/8" 35.6# Armo SW
at 79' cont'd w/75 SXS
to surface

8-5/8" 24# J-55 Csg
at 445' cont'd w/255 SXS
to surface

Perfs at 1527' - 1531' 4SPF, 90°
phasing squeezed w/327 SXS class
B cement

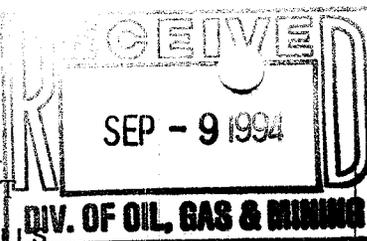
TOC at 3635' (Calc.)

PERFS

5490' - 5520' w/4SPF
5530' - 5660' w/4SPF

5-1/2" 15.5# J-55 Csg
at 5736' cont'd w/365 SXS

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

6. Lease Designation and Serial No.
14-20-0603-4039

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

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
MCELMO CREEK UNIT

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

MCELMO CREEK UNI-16

2. Name of Operator **Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.**

9. API Well No.

43-037-15497

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)

820' FSL, 500' FEL; SEC 1, 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

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other **WORKOVER** ✓
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 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.)*

07/13/94 CUT OFF PLATE ON 8-5/8" CSG, CUT OFF 8-5/8" CSG. FILLED IN CELLAR.
07/16/94 MIRU. SET PUMP AND PITS AND NU BOPs.
07/18/94 DRILL OUT CMT FROM SURFACE TO 37'. PRESS TEST BOP AND CSG TO 250/1000 PSI - HELD OK. TAGGED CMT @ 429'. CLEANED OUT FROM 429-719'.
07/19/94 DRILLED CMT FROM 460-690'. CIRC CSG CLEAN.
07/20/94 TOC @ 690'. DRILLED CMT FROM 690-1506'. CIRC CSG CLEAN.
07/21/94 DRILLED CMT FROM 1506-1663'. DRILLED CMT F/4311-4436'. CIRC CSG CLEAN.
07/22/94 DRILLED CMT F/4436'-4562'. DRILLED CMT F/5235-5389' TO TOP OF CIBP.
07/23/94 MILL ON CIBP @5389'. PLUG FELL FREE.
07/25/94 DUG OUT CELLAR AROUND WELL HEAD. SET RBP @315'. WELD BASE PLATE TO 5.5" CSG HEAD.
07/26/94 TAG CIBP FISH @5439'.
07/27/94 DRILL UP CIBP @5439'. CIRC HOLE CLEAN.
07/28/94 MILL ON CIBP. GIH W/SHOE-TBG. TIH W/RETRIEVING TOOL & TBG, ATTEMPT TO RETRIEVE PKR.
07/29/94 ATTEMPT TO LATCH ONTO PKR, UNSUCCESSFUL.
07/30/94 ATTEMPT TO RETRIEVE PKR, POOH DID NOT HAVE PKR.
08/01/94 DRILL ON CIBP. CIRC OUT PIECES OF CIBP & RUBBER.
08/02/94 TAG FISH

CONT'D ON REVERSE SIDE

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

Signed *D. J. ...* Title **ENV. & REG. TECHNICIAN**

Date **09/01/94**

(This space for Federal or State office use)

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

*Tax Credit -
22 Aug. 94*

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08/03/94 CLEAN OUT OVER TOP OF FISH. CIRC WELL DEAD.
08/04/94 CLEAN OUT CSG AND DRILL CMT TO 2670' PBT.D.
08/06/94 PERF 5.5" CSG FROM 5660-5608' W/4 JSPF.
08/08/94 RIH W/1 11/16" ENERJET GUN W/6 JSPF AND PERF FROM 5608-5581'.
08/09/94 SPOT SAND FROM 5670-5435' W/65 SX SAND. CIRC OUT EXCESS SAND TO
5470'.
08/12/94 TAGGED SAND @5469'. CHANGED TBG, PU AND RIH W/PKR AND TAIL ASSMBLY
ON 80 JTS 2-7/8" CMT LINED TBG.
08/13/94 SET PKR AT 5344'. PUMP 20 BBLs FW AHEAD, FOLLOWED BY 510 SC CLASS
B CEMENT NEAT. DISPLACED W/21 3/4 BBLs FRESH WATER.
08/15/94 CLEANED OUT TBG TO 5129'.
08/16/94 TAG CMT @ 5127'. DRL OUT CMT TO 5345'. DRILL OUT GLASS PLUG @5357'.
08/17/94 TAG SAND @5444'. CIRC CSG CLEAN TO 5632'.
08/18/94 RELEASE TO PRODUCTION.

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other WIW	5. Lease Designation and Serial No. 14-20-0603-4039
2. Name of Operator Mobil Exploration & Producing U.S. Inc. as Agent for Mobil Producing TX & NM Inc.	6. If Indian, Allottee or Tribe Name NAVAJO TRIBAL
3. Address and Telephone No. P.O. Box 633, Midland, TX 79702 (915) 688-2585	7. If Unit or CA, Agreement Designation MCELMO CREEK UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 820' FSL, 500' FEL; SEC 1, T41S, R24E	8. Well Name and No. MCELMO CREEK UNI-16
	9. API Well No. 43-037-15497
	10. Field and Pool, or exploratory Area GREATER ANETH
	11. County or Parish, State SAN JUAN UT

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

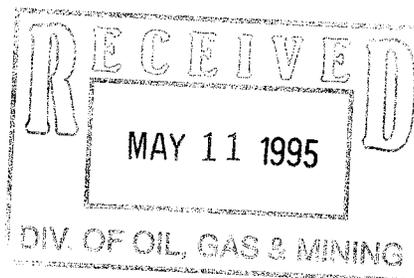
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other WORKOVER
	<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.)*

SEE ATTACHMENTS

**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 Shirley Robertson Title ENV. & REG. TECHNICIAN Date 05/08/95

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

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McElmo Creek Unit I-16

Workover Procedure

No AFE Required

Charge Code: 7364 - 16073

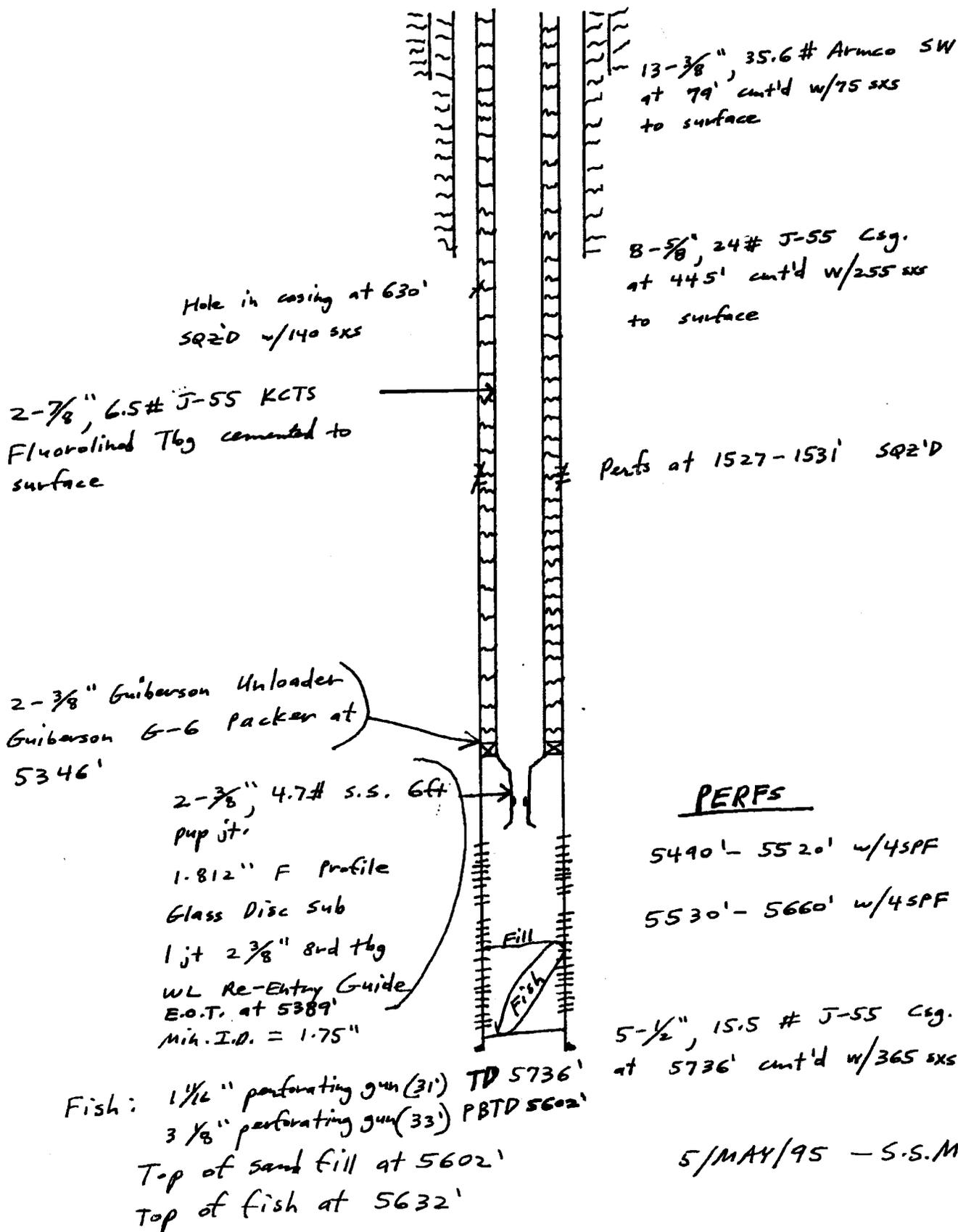
Justification: Profile log shows all injection going below 5602' and only one offset producer is completed below this depth. After 8 months of injection into this well, there has been no production response in any of the offset producers. This workover will plug the I-16 injection well back to prevent injection into Zones 2C, 2D, 2E, 3A, 3B, and 3C.

1. Shut in I-16 injection well. RU pump truck and 50 bbls of fresh water. Pump 50 bbls of fresh water down well to displace lease injection water. MIRU Schlumberger wireline and lubricator. RIH with 1-11/16" positive displacement dump bailer/CCL on wireline containing class G cement with sufficient calcium chloride for 2-3 hour set time at 130 degrees F.
2. Correlate log and get on depth at end of tubing. Tag top of fill at +/- 5602'. Pick up 2 feet and dump cement. POH.
3. Repeat dump bail runs until PBD is at 5575'. Tag final plug depth to confirm cement top at 5575'. RDMD wireline.
4. Leave well shut in for 24 hours. Place well on water injection on maximum choke. Send injection rate/pressure to Cortez office. Fill out Utah tax credit form and submit to Tiny Higman, Cortez.
5. Send daily report of operations to Shirley Robertson in Midland for preparation of Sundry notice.

McElmo Creek Unit

I-16

EXISTING



13-³/₈" 35.6# Armco SW
at 79' cont'd w/75 SXS
to surface

8-⁵/₈" 24# J-55 Csg.
at 445' cont'd w/255 SXS
to surface

Hole in casing at 630'
SQ2D w/140 SXS

2-⁷/₈" 6.5# J-55 KCTS
Fluorolined Tbg cemented to
surface

Perfs at 1527-1531' SQ2'D

2-³/₈" Guiberson Unloader
Guiberson 6-6 packer at
5346'

2-³/₈" 4.7# S.S. 6ft
pup jt.
1.812" F profile
Glass Disc sub
1 jt 2 ³/₈" 8ud tbg
WL Re-Entry Guide
E.O.T. at 5389'
Mik. I.D. = 1.75"

PERFS

5490' - 5520' w/4SPF

5530' - 5660' w/4SPF

5-¹/₂" 15.5 # J-55 Csg.
at 5736' cont'd w/365 SXS

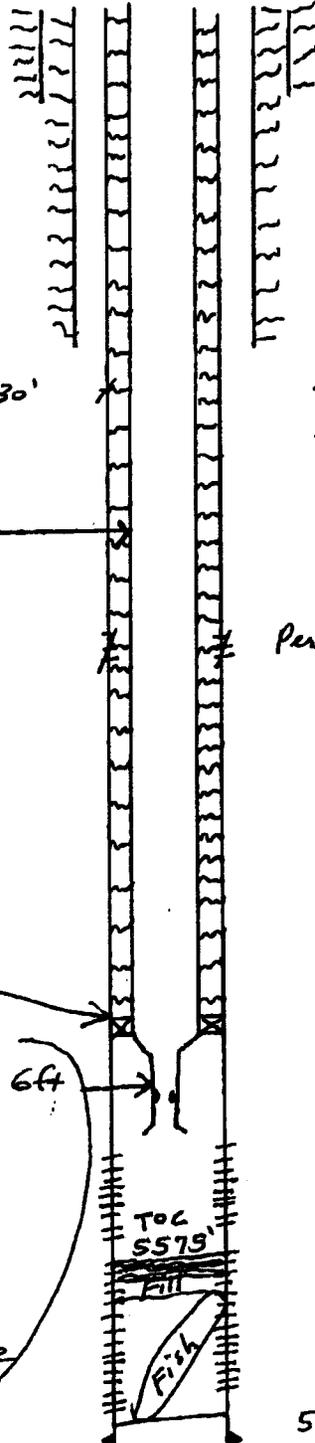
Fish: 1 ¹/₁₆" perforating gun (31') TD 5736'
3 ¹/₈" perforating gun (33') PBTD 5602'
Top of sand fill at 5602'
Top of fish at 5632'

5/MAY/95 - S.S. Murphy

McElmo Creek Unit

I-16

PROPOSED



13-3/8" 35.6# Armeo SW
at 79' cont'd w/75 sxs
to surface

8-5/8" 24# J-55 Csg.
at 445' cont'd w/255 sxs
to surface

Hole in casing at 630'
SQ2'D w/140 sxs

2-7/8" 6.5# J-55 KCTS
Fluorolined Tbg cemented to
surface

Perfs at 1527-1531' SQ2'D

2-3/8" Guiberson Unloader
Guiberson G-6 Packer at
5346'

2-3/8" 4.7# s.s. 6ft
Pup jtr
1.812" F profile
Glass Disc Sub
1 jt 2 3/8" 8rd tbg
w/ Re-Entry Guide
E.O.T. at 5389'
Min. I.D. = 1.75"

PERFS

5440' - 5520' w/45PF

5530' - 5660' w/45PF

5-1/2" 15.5 # J-55 Csg.
at 5736' cont'd w/365 sxs

Fish: 1 1/16" perforating gun (31') TD 5736'
3 1/8" perforating gun (33') PBTD 5575'

Top of sand fill at 5602'

Top of fish at 5632'

5/MAY/95 - S.S. Murphy

STATE OF UTAH
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
✓MEPNA (MOBIL	43-037-15617	F-11	40S	24E	36	INJW	Y
✓MEPNA (MOBIL	43-037-16350	H-11	40S	24E	36	INJW	Y
✓MEPNA (MOBIL	43-037-15618	G-12	40S	24E	36	INJI	Y
✓MEPNA (MOBIL	43-037-15619	I-12	40S	24E	36	INJW	Y
✓MEPNA (MOBIL	43-037-16377	T-8	40S	25E	28	INJW	Y
✓MEPNA (MOBIL	43-037-16366	P-7	40S	25E	29	INJW	Y
✓MEPNA (MOBIL	43-037-16362	N-7	40S	25E	29	INJW	Y
✓MEPNA (MOBIL	43-037-15961	M-10	40S	25E	31	INJW	Y
✓MEPNA (MOBIL	43-037-16359	L-9	40S	25E	31	INJW	Y
✓MEPNA (MOBIL	43-037-15955	K-12	40S	25E	31	INJW	Y
✓MEPNA (MOBIL	43-037-16354	J-11	40S	25E	31	INJW	Y
✓MEPNA (MOBIL	43-037-15958	L-11	40S	25E	31	INJW	Y
✓MEPNA (MOBIL	43-037-15962	M-12	40S	25E	31	INJW	Y
✓MEPNA (MOBIL	43-037-16367	P-9	40S	25E	32	INJW	Y
✓MEPNA (MOBIL	43-037-31677	Q12A	40S	25E	32	INJW	Y
✓MEPNA (MOBIL	43-037-15968	O-12	40S	25E	32	INJW	Y
✓MEPNA (MOBIL	43-037-15971	P-11	40S	25E	32	INJW	Y
✓MEPNA (MOBIL	43-037-15965	N-11	40S	25E	32	INJW	Y
✓MEPNA (MOBIL	43-037-15967	O-10	40S	25E	32	INJW	Y
✓MEPNA (MOBIL	43-037-15964	N-9	40S	25E	32	INJW	Y
✓MEPNA (MOBIL	43-037-15973	Q-10	40S	25E	32	INJW	Y
✓MEPNA (MOBIL	43-037-30080	T-09A	40S	25E	33	INJW	Y
✓MEPNA (MOBIL	43-037-16155	U-12	40S	25E	33	INJW	Y
✓MEPNA (MOBIL	43-037-16375	S-10	40S	25E	33	INJW	Y
✓MEPNA (MOBIL	43-037-30179	R-11A	40S	25E	33	INJI	Y
✓MEPNA (MOBIL	43-037-16381	U-10	40S	25E	33	INJW	Y
✓MEPNA (MOBIL	43-037-16147	R-09	40S	25E	33	INJI	Y
✓MEPNA (MOBIL	43-037-16150	S-12	40S	25E	33	INJW	Y
✓MEPNA (MOBIL	43-037-16351	H-13	41S	24E	1	INJW	Y
✓MEPNA (MOBIL	43-037-16144	G-16	41S	24E	1	INJW	Y
✓MEPNA (MOBIL	43-037-16345	F-13	41S	24E	1	INJW	Y
✓MEPNA (MOBIL	43-037-16143	G-14	41S	24E	1	INJW	Y
✓MEPNA (MOBIL	43-037-15495	H-15	41S	24E	1	INJI	Y
✓MEPNA (MOBIL	43-037-15497	I-16	41S	24E	1	INJW	Y
✓MEPNA (MOBIL	43-037-31149	F-15A	41S	24E	1	INJI	Y
✓MEPNA (MOBIL	43-037-16267	D-13	41S	24E	2	INJW	Y
✓MEPNA (MOBIL	43-037-16268	E-14	41S	24E	2	INJW	Y
✓MEPNA (MOBIL	43-037-16341	D-15	41S	24E	2	INJW	Y
✓MEPNA (MOBIL	43-037-16340	B-15	41S	24E	2	INJW	Y
✓MEPNA (MOBIL	43-037-15616	E-16	41S	24E	2	INJW	Y
✓MEPNA (MOBIL	43-037-16265	C-14	41S	24E	2	INJW	Y
✓MEPNA (MOBIL	43-037-16338	A-17	41S	24E	10	INJW	Y
✓MEPNA (MOBIL	43-037-15704	D-17	41S	24E	11	INJW	Y
✓MEPNA (MOBIL	43-037-16342	E-19	41S	24E	11	INJW	Y
✓MEPNA (MOBIL	43-037-15702	C-18	41S	24E	11	INJI	Y
✓MEPNA (MOBIL	43-037-15496	H-17	41S	24E	12	INJI	Y
✓MEPNA (MOBIL	43-037-16346	G-19	41S	24E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15709	I-18	41S	24E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15710	I-20	41S	24E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15493	F-17	41S	24E	12	INJW	Y
✓MEPNA (MOBIL	43-037-15494	G-18	41S	24E	12	INJI	Y
✓MEPNA (MOBIL	43-037-16352	I-23	41S	24E	13	INJI	Y
✓MEPNA (MOBIL	43-037-16348	G-23	41S	24E	13	INJW	Y

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____
(Location) Sec ___ Twp ___ Rng ___
(API No.) _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
OPER NM CHG _____

1. Date of Phone Call: 8-3-95 Time: _____

2. DOGM Employee (name) L. CORDOVA (Initiated Call)
Talked to:

Name R. J. FIRTH (Initiated Call) - Phone No. () _____
of (Company/Organization) _____

3. Topic of Conversation: M E P N A / N7370

4. Highlights of Conversation: _____

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.

*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Mobil Oil Corporation

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

May 14, 1986

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

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

Attn: R. J. Firth
Associate Director

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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

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

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

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

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing	
1- VLC	7- PL
2- LWP	8- SJ
3- DTG	9- FILE
4- VLC	
5- RJF	
6- LWP	

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

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

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-2-95)

TO (new operator) <u>MOBIL EXPLOR & PROD</u>	FROM (former operator) <u>M E P N A</u>
(address) <u>C/O MOBIL OIL CORP</u>	(address) <u>C/O MOBIL OIL CORP</u>
<u>PO DRAWER G</u>	<u>PO DRAWER G</u>
<u>CORTEZ CO 81321</u>	<u>CORTEZ CO 81321</u>
phone <u>(303) 564-5212</u>	phone <u>(303) 564-5212</u>
account no. <u>N7370</u>	account no. <u>N7370</u>

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

Name: <u>** SEE ATTACHED **</u>	API: <u>037-15497</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-21-95
- LWP 7. Well file labels have been updated for each well listed above. 9-28-95
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

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

BOND VERIFICATION (Fee wells only) ** No Fee Lease Wells at this time!*

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
DTS
8/5/95
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- 1. All attachments to this form have been microfilmed. Date: October 6 1995.

FILING

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

COMMENTS

950803 LIC F5/Not necessary!

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.

14-20-0603-4039

6. If Indian, Allottee or Tribe Name

Navajo Tribal

7. If Unit or CA, Agreement Designation

McElmo Creek Unit

8. Well Name and No.

I-16

9. API Well No.

43-037-15497

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other Injection

2. Name of Operator

MOBIL EXPLORATION & PRODUCING US, AS AGENT FOR MOBIL OIL

3. Address and Telephone No.

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

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

820' FSL, 500' FEL
Sec. 1, T41S, R24E

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

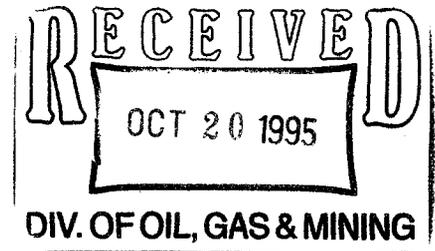
TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other Workover
- Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 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.)*

5-24-95/5-30-95
RIH to PBSD (5602') Dump 6.8 cu. ft. cmt. Tag @ 5575' (PBSD).



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

Signed Shirley Robertson Title _____ Date _____

(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

OBJECTIVE:

The I-16 has been SI since July of 1999 when it failed a MIT. The well will be PA'd according to BLM requirements. Notify Wayne Townsend (505.599.8900) with the BLM and Charmaine (801.651.3400) with the Navajo EPA 48 hours prior to rigging up. Document the date and time that both parties were notified. Record documentation on DRS. If representatives are on location during plugging procedures, record names, dates, and time and report on DRS.

PRIOR TO MOVING IN:

- Update Engineer (Justin Olson-MCU-970.564.5221) with a nightly phone report including daily activity, cost and cum cost for each well.
- Check and test dead man.
- LO/TO well.

PROCEDURE:

1. MIRU DOWELL CEMENTING UNIT
2. DIG PIT/FENCE LINED
3. BLOW DOWN WELL
4. PUMP CEMENT AS FOLLOWS:

CEMENT SLURRY: 156 SX CLASS "B" + 0.4% HALAD-322 (FLUID LOSS ADDITIVE)
DENSITY: 15.6 PPG
YIELD: 1.18 FT³/SK
WATER REQUIREMENT: 5.2 GAL/SK
CMT VOLUME: 23.54 BBLs (20% excess)

CEMENTING PROCEDURE:

- A) PUMP TBG VOLUME OF FW, 25 BBLs
 - B) IF AN INJECTION RATE IS ESTABLISHED GO AHEAD W/ CMT, IF NOT CALL ENGINEER @ 970.564.5221 TO DISCUSS OPTIONS
 - C) PUMP 23.5 BBLs CMT
 - D) SI TBG & ALLOW CMT TO SET
5. RDMO DOWELL CEMENTING UNIT
 6. IF CSG STRINGS ARE ABOVE GROUND, CUT OFF TO GL. TOP FILL ALL CSG STRINGS W/ CLASS B "NEAT" CMT.
 7. WELD ON A ¼" STEEL PLATE HAVING A ¼" WEEP HOLE.
 8. THE FOLLOWING INFORMATION MUST BE STAMPED OR WELDED ON THE PLATE:

**Mobil E&P U.S. Inc.
McElmo Creek Unit #I-16
Navajo Tribal Lease #14-20-603-4039
GL: 4688'
820' FSL & 500' FEL
Sec 1/T41S/R24E
San Juan Co., Utah**

9. CLEAN LOCATION
10. NOTIFY SHIRLEY HOUCHINS (915.688.2585) WHEN WORK IS COMPLETED SO THAT A SUNDRY NOTICE (FORM 3160-5) CAN BE FILED WITH THE BLM.

WORKOVER OVERVIEW:

This well has been SI since July of 1999 when it failed a MIT. This well has previously been plugged and abandoned in November of 1993. The well was re-entered in August of 1994 and the 2-7/8" cement lined tubing was cemented to surface in the casing. Mobil received a Notice of Violation from the EPA on November 15 since the well had failed a MIT in July and was still SI.

JUSTIFICATION & COSTS:

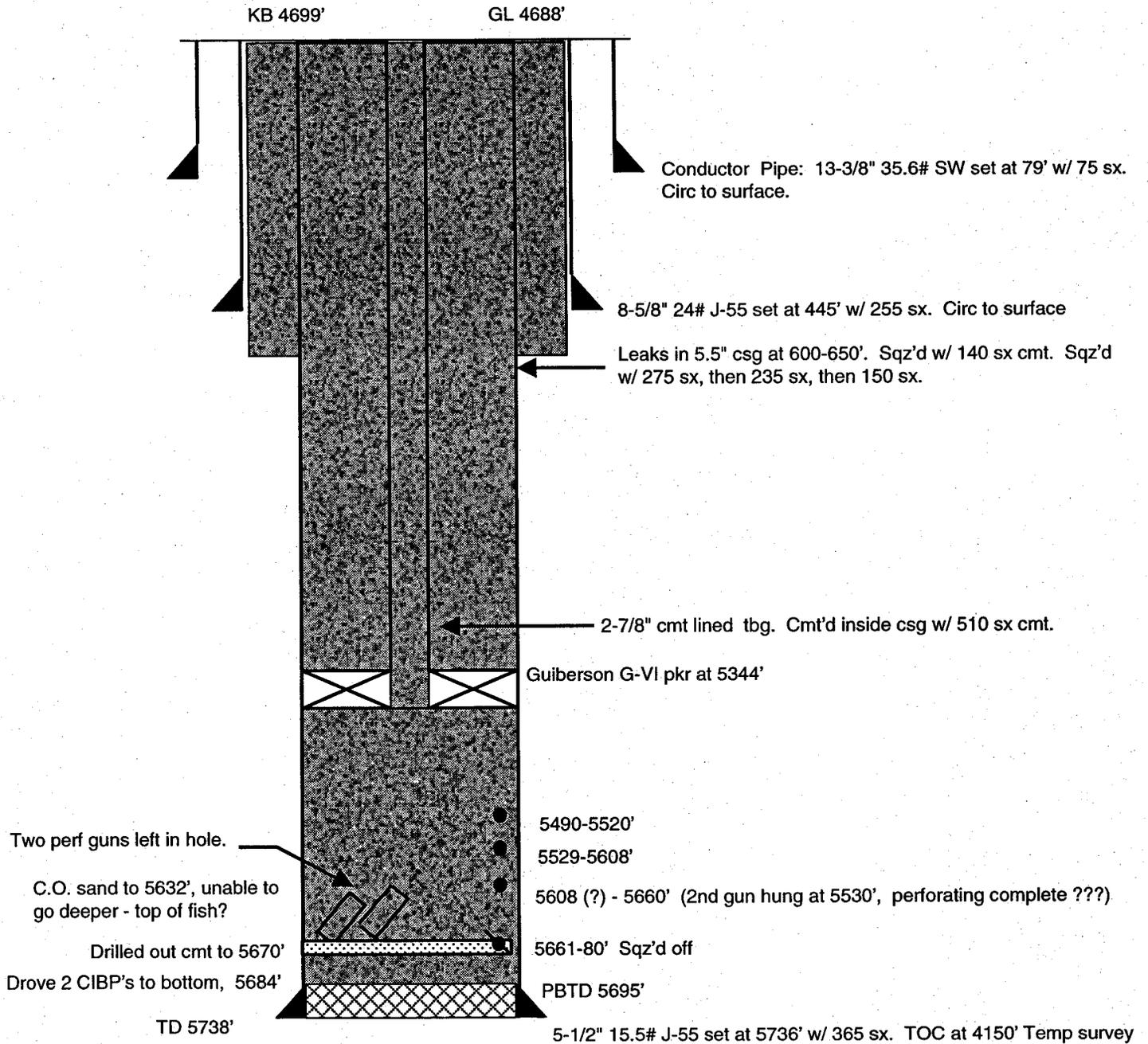
It will cost approximately \$10,250 to P&A this well. Since the injection tubing is already cemented into the casing, there is no easy way to fix this well. The I-16 does not support enough production in the surrounding producers to justify the cost of returning the well to injection. The operations engineer (Justin Olson) and reservoir engineer (Jim Andrews) have looked into other options to support nearby producers and have agreed that the I-16 should be P&A'd.

RECENT HISTORY:

The I-16 was originally P&A'd in November of 1993 due to casing problems. In August of 1994 the well was re-entered. The goal was to return the well to injection, but when the cement was drilled out the casing would not hold pressure. The decision was made to cement the 2-7/8" injection tubing into the casing. The well was placed back on injection in late 1994 and has been injecting CO2 and water until July of this year when it failed a MIT.

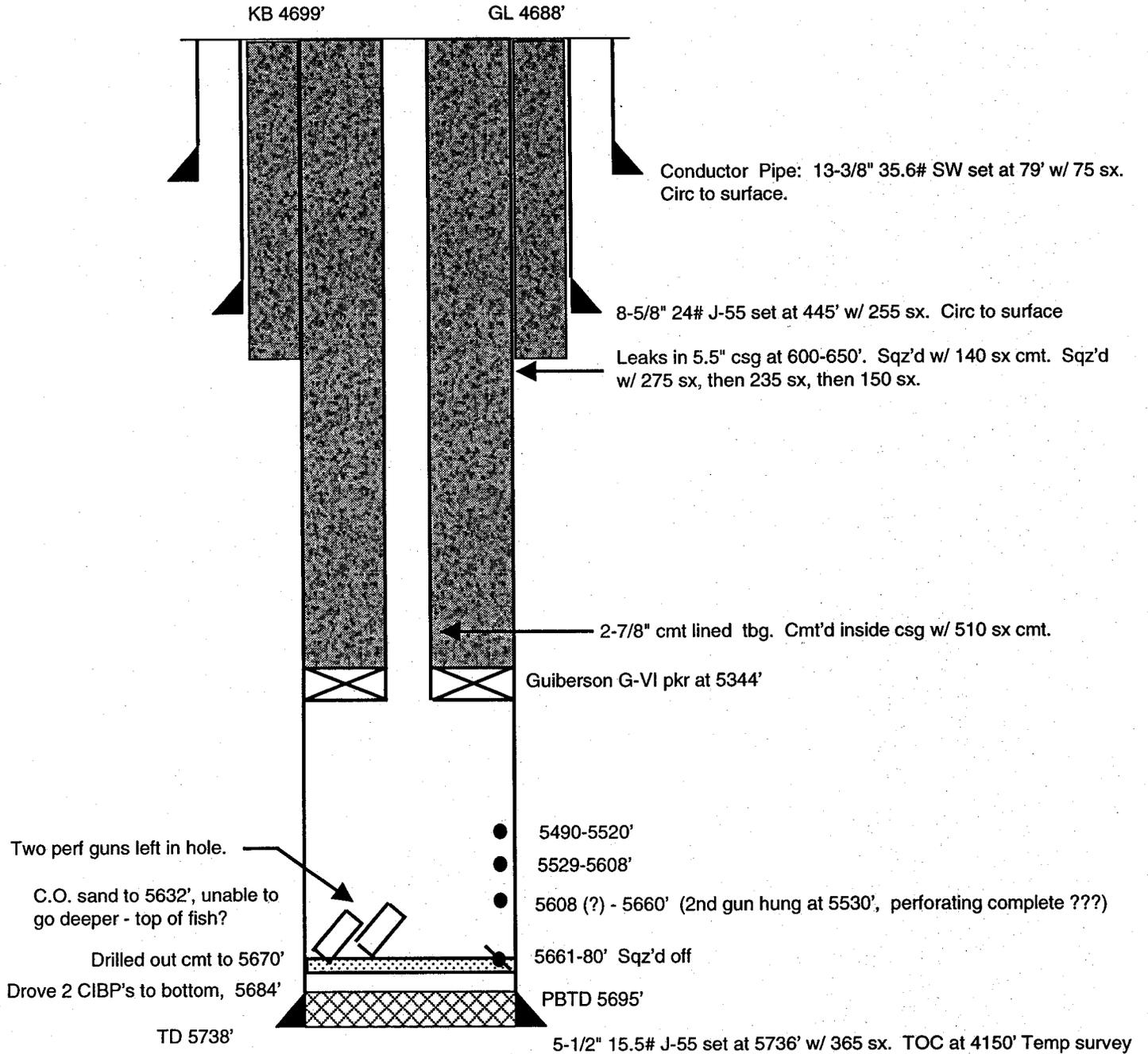
McELMO CREEK UNIT # I-16
GREATER ANETH FIELD
 820' FSL & 500' FEL
 SEC 1-T41S-R24E
 SAN JUAN COUNTY, UTAH
 API 43-037-15497
 PRISM 0000246

INJECTOR
PROPOSED WBD



McELMO CREEK UNIT # I-16
GREATER ANETH FIELD
 820' FSL & 500' FEL
 SEC 1-T41S-R24E
 SAN JUAN COUNTY, UTAH
 API 43-037-15497
 PRISM 0000246

INJECTOR
CURRENT WBD



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other **INJECTOR**

2. Name of Operator: **MOBIL EXPLORATION & PRODUCING US INC**
as agent for Mobil Producing TX & NM Inc.

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

3b. Phone No. (include area code): **(713) 431-1208**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description):
820' FSL & 500' FEL SEC. 1 T41S R24E

5. Lease Serial No.
14-20-603-4039

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

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

8. Well Name and No.
I-16

9. API Well No.
43-037-15497

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

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

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

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

- 2/11/2000 MIRU. Shut in tbg pressure was 2650 psi . SI csg pressure was 230 PSI. Bleed csg off to 0 psi. Recv. .5 gal clear fluid. Rig up to csng, pressure test csg to 2000 psi - ok. Pump .10 bbls. Rig up to tbg, established injection rate 2.0 bbls per/min @ 1900 psi. P&A Desert Creek formation perfs 5490' to 5660', 2.875" tbg, 210 sx Class B cmt + .4% fluid Loss + .15% extender + .15% defoamer. Pump 50 sx cmt into formation. Displace cmt with .6 bbls of fresh water to 150'. Final tbg pressure of 455 psi. All cmt 15.8 ppg. 1.16 yield.
- 2/14/2000 Move in Weatherford Wireline Unit. RIH with 1.0625" OD perf gun to 60'. Perf 2.875" tbg. POH rig down Weatherford. P&A well down 2.875" tbg and up 5.5" csng to surface with 33 sx Class B Neat cmt. Cmt 15.6 ppg. 1.16 yield cmt from 60' to surface 2.875" tbg and 5.5" csg.
- 2/18/2000 Cut off csg and weld on P&A marker.
- 2/19/2000 Back-fill around well head. Clean location. Final P&A report at 9:00 on February 19, 2000. RDMO.

RECEIVED
MAR 20 2000
DIVISION OF

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)
YASMIN MEDHORA

Signature *Y. N. Medhora*

Title **REGULATORY SPECIALIST**

Date **3/15/2000**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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 re-enter an Abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. See Listing
2. Name of Operator Mobil Producing TX & NM Inc* *Mobil Exploration & Producing US Inc as agent for MPTM		6. If Indian, Allottee or Tribe Name NAVAJO TRIBAL
3a. Address P.O. Box 4358, Houston, TX 77210-4358	3b. Phone No. (include area code) 713-431-1022	7. If Unit or CA/Agreement, Name and/or No. Mc Elmo Creek Unit
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) See Listing		8. Well Name and No. See Listing
		9. API Well No. See Listing
		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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

Mobil Exploration & Producing US Inc. as agent for Mobil Producing Texas & New Mexico Inc. & Mobil Exploration & Producing North America Inc has finished final seeding on the following P&A Well locations. The tags from the Seed Bags were presented to Ms. L. Taylor, BIA, on October 25, 2000.

- Well # B-15, Sec 02-T41S-R24E, Lease # 14-20-603-6508, API # 43-037-16340
- Well # F-26, Sec 13-T41S-R24E, Lease # 14-20-603-370, API # 43-037-15949
- Well # I-16, Sec 01-T41S-R24E, Lease # 14-20-603-4039, API # 43-037-15497 *PAID DWS Well*
- Well # C-16, Sec 02-T41S-R24E, Lease # 14-20-603-6508, API # 43-037-16266
- Well # O-12, Sec 32-T40S-R25E, Lease # 14-20-603-372, API # 43-037-16371 (old remediation site)
- Well # Q-12, Sec 32-T40S-R25E, Lease # 14-20-603-372, API # 43-037-16371
- Well # S-20, Sec 09-T41S-R25E, Lease # 14-20-603-359, API # 43-037-15979
- Well # S-21, Sec 16-T41S-R25E, Lease # 14-20-603-359, API # 43-037-30398
- Well # V-16, Sec 03-T41S-R25E, Lease # 14-20-603-2057, API # 43-037-31183
- Well # U-09, Sec 33,T40S-R25E, Lease # 14-20-603-2057, API # 43-037-31122 (remediation site)

RECEIVED

NOV 02 2000

DIVISION OF
OIL, GAS AND MINING

Additionally, MCU J-27, Sec 19-T41S-R23E, Lease # 14-20-603-264, API 43-037-15502 was also re-seeded and all BIA Conditions of Approval to P&A this well were met (see 5/4/2000 Sundry). These seed tags were also presented to Ms. L. Taylor on October 25, 1000. Attached is copy of letters to Ms. L. Taylor indicating same.

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Mark Del Pico	Title Regulatory Specialist
Signature <i>M. Del Pico</i>	Date 10/31/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

ExxonMobil
Production

October 24, 2000

U.S. Department of the Interior
Bureau of Indian Affairs
Shiprock Agency
P.O. Box 3538
Shiprock, NM 87420

**McElmo Creek Unit
Reclamation at P&A Sites**

Dear Ms. Taylor,

Please find attached seed tags for the following well sites, which have been seeded in accordance with Plug & Abandon operations :

Well # B-15, Sec 02-T41S-R24E, API # 43-037-16340
Well # F-26, Sec 13-T41S-R24E, API # 43-037-15949
Well # I-16, Sec 12-T41S-R24E, API # 43-037-30365
Well # C-16, Sec 02-T41S-R24E, API # 43-037-16266
Well # O-12, Sec 32-T40S-R25E, API # 43-037-16371 (old remediation site)
Well # Q-12, Sec 32-T40S-R25E, API # 43-037-16371
Well # S-20, Sec 09-T41S-R25E, API # 43-037-15979
Well # S-21, Sec 16-T41S-R25E, API # 43-037-30398
Well # V-16, Sec 03-T41S-R25E, API # 43-037-31183
Well # U-09, Sec 33,T40S-R25E, API # 43-037-31122 (remediation site)

If you have questions or need more information, please contact me at 713-431-1022.
Thank your for your assistance in this matter.

Sincerely,



Mark Del Pico
US West Producing / Permitting

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DIVISION OF
OIL, GAS AND MINING

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

ExxonMobil
Production

October 30, 2000

U.S. Department of the Interior
Bureau of Indian Affairs
Shiprock Agency
P.O. Box 3538
Shiprock, NM 87420

McElmo Creek Unit J-27

Dear Ms. Taylor,

Per Sundry Notice dated 5/4/2000 on the McElmo Creek J-27, we have completed final P&A work described in Sundry and re-seeded per BIA instructions. The seed tags were turned over to Linda Taylor on October 25, 2000.

If you have questions or need more information, please contact me at 713-431-1022.
Thank your for your assistance in this matter.

Sincerely,



Mark Del Pico
US West Producing / Permitting

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