

- Scout Report sent
- Noted in the NID File
- Location map pinned
- Approval or Disapproval Letter
- Date Completed, P. & A. or operations suspended 7-6-57
- Pin changed 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	<input checked="" type="checkbox"/>	Checked by Chief:	<input checked="" type="checkbox"/>
Entered On S R Sheet	<input checked="" type="checkbox"/>	Copy NID to Field Office	<input checked="" type="checkbox"/>
Location Map Pinned	<input checked="" type="checkbox"/>	Approval Letter	<input checked="" type="checkbox"/>
Card Indexed	<input checked="" type="checkbox"/>	Disapproval Letter	<input type="checkbox"/>
I.W.R. for State or Fee Land	<input type="checkbox"/>		

COMPLETION DATA:

Date Well Completed 8-6-57 Location Inspected _____
 OV WW _____ TA _____ Bond released _____
 GW _____ OS _____ PA _____ State of Fee Land _____

LOGS FILED

Driller's Log 8-12-57
 Electric Logs (No.) 3
 E _____ I _____ E-I GR _____ GR-N Micro
 Lat. _____ Mi-L _____ Sonic _____ Others _____

This well was converted to a Water Injection as of 7/4/64.

	6	
		X

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Indian Agency _____
Window Rock _____
Allottee Navajo
14-20-603-372
Lease No. _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	XX	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)

June 7, 1957

16361
Well No. Navajo C-2 is located 660 ft. from XX line and 660 ft. from E line of sec. 6

SE/4 SE/4 Sec. 6 41S 25E Salt Lake
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Aneth San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrick floor~~ ^{Ground} above sea level is 4700' ft.

DETAILS OF WORK

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

Propose to drill well to test Paradox Limestone to about 5900'.
Will set approx 800' of 10-3/4" surface casing with cement circulated to surface.
Will set 7", 20 & 23#, J-55 casing through any commercial production encountered.

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

Company The Superior Oil Company

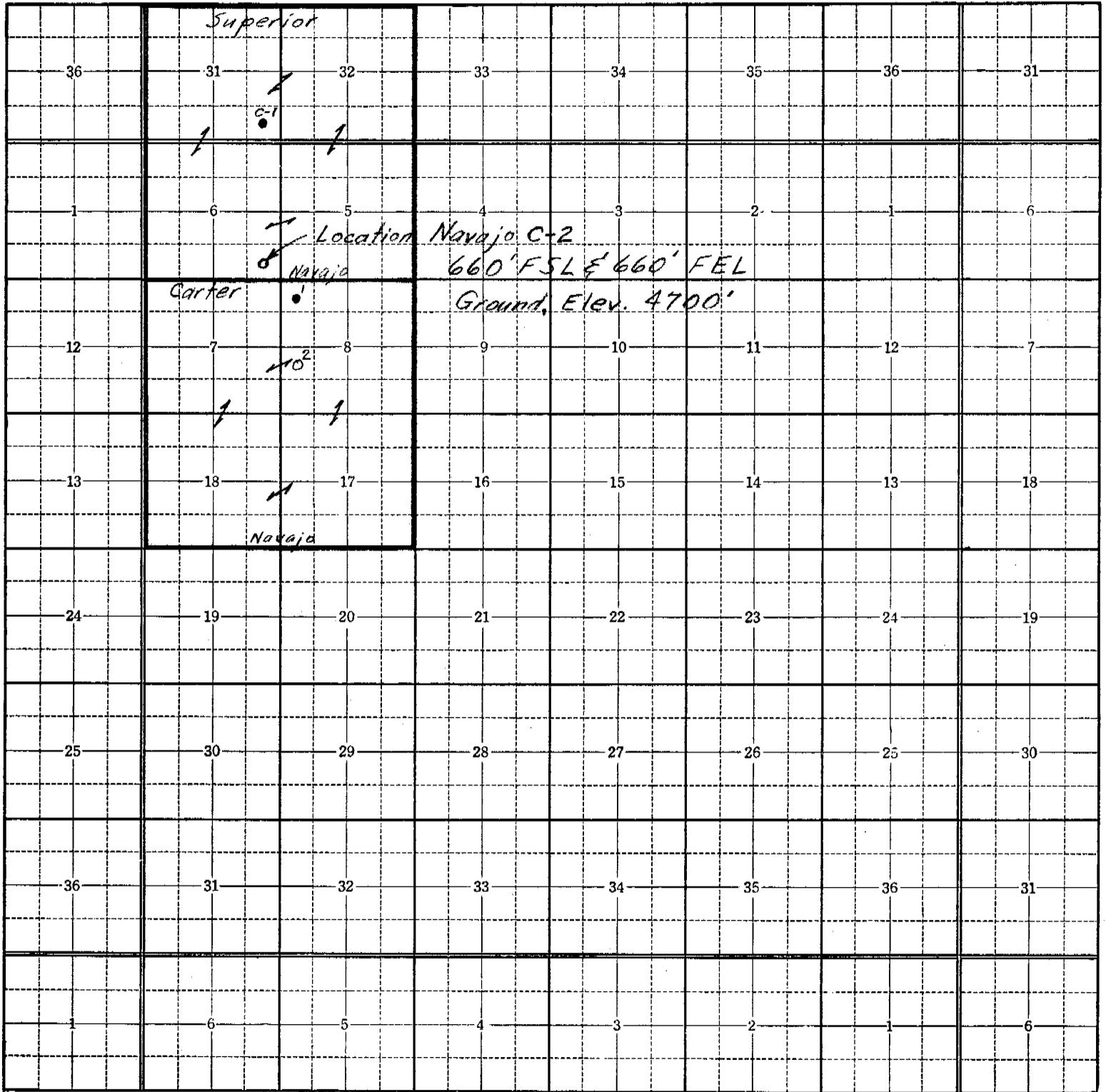
Address P. O. Box 200

Casper, Wyoming

By George E. Nurgent
Title Engineer

Township 41 S, Range 25 E, County San Juan, State Utah

Island Township Plat



June 10, 1957

The Superior Oil Company
P. O. Box 200
Casper, Wyoming

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo G-2, which is to be located 660 feet from the south line and 660 feet from the east line of Section 6, Township 41 South, Range 25 East, S1EM, San Juan County, Utah.

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

GLENN B. FREIGHT
SECRETARY

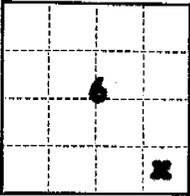
GBF:en

cc: Phil McGrath/ Jerry Long
U.S.G.S. Farmington,
New Mexico

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
Window Rock
Allottee **Navajo**
Lease No. **14-20-603-372**



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

August 8, 1957

Well No. **Navajo C-2** is located **660** ft. from **XXXX** line and **660** ft. from **[E]** line of sec. **6**
SE/4 SE/4 Sec. 6 **41S** **25E** **SUBM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Amoth **San Juan** **Utah**
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derick~~ **helly bushings** above sea level is **4711'** ft.

DETAILS OF WORK

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

Spuds: June 17, 1957. Cem. 10-3/4" casing at 1454' w/700 max.

TEST #1 (5435' to 5469')

Open 2 hrs., S.I. 1 hr. OTS in 15 min, to small to measure. Recovered 180' gas out mud and 430' slightly mud out oil. BHFP 04-260#, BHSIP 1760#, Hyd 3030#.

TEST #2 (5569' to 5603') Straddle Test

Open 2 hrs, S.I. 1 hr. OTS in 4 min., 56 MCFPD. Rec 180' gas & oil out mud and 990' free oil. BHFP 100# to 400#, BHSIP 1820#, Hyd. 3230#.

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

Company **The Superior Oil Company**

Address **P. O. Box 200**

Casper, Wyoming

By **W.H. Fraser**

Title **District Engineer**

AUG 12 1957

D S T #3 (5638' to 5667') Straddle Test

Open 2 hrs. SI 1 hr. Rec. 210' slightly oil and gas cut mud.
BHFP # to 120# BHSIP 880# Hyd 3095 #

Total Depth 5710'. Cem 7" casing at 5710' w/700 sax. PBTD 5674'

Perforated: 5476' to 5504', 5518' to 5522', 5526' to 5532'
5540' to 5556', 5572' to 5578' and 5584' to
5646' w/ 6 jets per foot.

Initial Flow Test

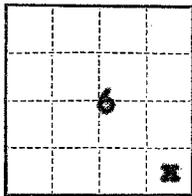
Flowed 150.30 bbls in 7 hrs thru 18/64" choke, press. 490#-500#/ 03
Grav. 41.1, cut 5.4 % to 1.2 %. 21.47 BPH 515.28 BPDR.

COMPLETED AUGUST 6, 1957

Form 9-331b
(April 1952)

(SUBMIT IN TRIPLICATE)

Indian Agency _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Window Rock

Allottee Navajo

Lease No. 14-20-603-372

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	<input checked="" type="checkbox"/>
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)

August 8, 1957

Well No. Navajo C-2 is located 660 ft. from ^{INDEX} [S] line and 660 ft. from [E] line of sec. 6

SE/4 SE/4 Sec 6 41S 25E SLR&M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the ^{kelly bushings} ~~drill floor~~ above sea level is 4711 ft.

DETAILS OF WORK

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

7" MSO Test #1

Perforated 5676' to 5677' & 5645' to 5646' w/4 jets per. foot.
Open 1 hr., S.I. 30 min. Rec 120' load salt water.
MFP 190#-190#, SWSIP 235#, Hyd 2740#.

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

Company The Superior Oil Company

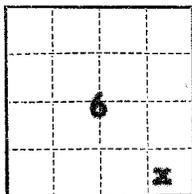
Address P. O. Box 200

Casper, Wyoming

By W.H. Frase

Title District Engineer

Form 9-331b
(April 1952)



(SUBMIT IN TRIPPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
Window Rock
Allottee Navajo
Lease No. 14-20-603-372

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	<input checked="" type="checkbox"/>
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)

August 8, 1957

Well No. Navajo C-2 is located 660 ft. from INTEL line and 660 ft. from AWA line of sec. 6

SE/4 SE/4 Sec 6 41S 25E S12M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Anoth San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrick floor~~ kelly bushings above sea level is 4711 ft.

DETAILS OF WORK

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

Perforations: 5476' to 5504', 5518' to 5522', 5526' to 5532', 5540' to 5556', 5572' to 5578' & 5584' to 5646'.

Acid Job #1

Washed perms. w/1000 gals mud acid. Max. press. 1200#/1000#. Swabbed 42.71 bbls. in 2 1/2 hrs. Flowed 84.37 bbls. in 3 hrs. thru 2 1/4"/64" choke, press. 360#/PR.

Acid Job #2

Pumped 10,000 gals. Jal-X-100 retarded acid into formation. Max. press. 4000#/2000#. Flowed 275.12 bbls. in 9 hrs. thru 2 1/4"/64" choke, press. 160#-520#/PR.

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

Company The Superior Oil Company

Address P. O. Box 200

Casper, Wyoming

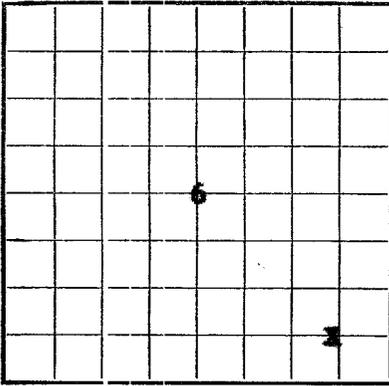
By W.H. Case

Title District Engineer

15

Form 9-380

U. S. LAND OFFICE Window Rock
SERIAL NUMBER 14-20-603-372
LEASE OR PERMIT TO PROSPECT Navajo



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Notes
CAF
8-19-57

LOG OF OIL OR GAS WELL

Company The Superior Oil Company Address P. O. Box 200, Casper, Wyoming
Lessor or Tract Navajo 'C' Field Aneth State Utah
Well No C-2 Sec. 6 T. 41S R. 25E Meridian SLB&M County San Juan
Location 560 ft. $\left\{ \begin{array}{l} \text{N.} \\ \text{of} \\ \text{S.} \end{array} \right.$ Line and 660 ft. $\left\{ \begin{array}{l} \text{E.} \\ \text{of} \\ \text{W.} \end{array} \right.$ Line of Sec. 6 Elevation 4711' **KB**
(Derrick floor relative to sea level)

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

Signed W.A. Fraser

Date August 8, 1957 Title District Engineer

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

Commenced drilling June 17, 1957 Finished drilling August 6, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5476 to 5646 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
10-3/4	12.75	8SP	5476	1454	Float		5476	5476	Surface
							5526	5526	Production
							5532	5532	
							5540	5556	
							5572	5578	
MUDLOGS OF OIL OR GAS WELLS							5584	5646	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	1454	700	Pump & Plug		
7	5710	700	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

FOLD MARK

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used
10-3/4	1454	700	Pump & Plug
7	5710	700	Pump & Plug

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 _____ feet to 5710 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 1957
 August 6
 The production for the first 24 hours was 515.28 barrels of fluid of which 94.6% was oil; _____% emulsion; _____% water; and 5.4% sediment. Gravity, °Bé. 41.1
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
		2380	Shinerump
		2606	De Chelly
		2745	Organ Rock
		4516	Hermosa
		5322	Upper Boundary Butte
		5468	Paradox
		5473	Lower Boundary Butte
		5670	Base Lower Boundary Butte
		5710	Total Depth

July 26, 1965

Superior Oil Company
Drawer 'G'
Cortez, Colorado

Re: Well No. McElmo Creek Unit M-16
Sec. 6, T. 41 S., R. 25 E.,
San Juan County, Utah

Gentlemen:

It has come to the attention of this office that the above mentioned well was converted to a water injection well in July, 1964.

It would be appreciated if this office could receive a Subsequent Report of said conversion including all pertinent information covering the operations conducted.

Thank you for your cooperation in this matter.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

kgw

Enclosure - Forms

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection</p> <p>2. NAME OF OPERATOR The Superior Oil Co.</p> <p>3. ADDRESS OF OPERATOR P. O. Drawer 'G' Cortez, Colorado</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL, 660' FEL Sec. 6, T41S, R25E</p> <p>14. PERMIT NO.</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-372</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo</p> <p>7. UNIT AGREEMENT NAME McElmo Creek</p> <p>8. FARM OR LEASE NAME Navajo C-2</p> <p>9. WELL NO. M-16</p> <p>10. FIELD AND POOL, OR WILDCAT McElmo Creek Unit</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6, T41S, R25E</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4709' KB</p>	

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

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

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

PBTD - 5652'

6-27-64 Pulled rods & tubing

6-28-64 Ran 2-7/8" Tbg. w/Taylor Plastic Liner to 5467'

6-29-64 Job complete. Commence injection 7-4-64

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

SIGNED C. R. Waller TITLE Production Engineer DATE 7/28/65
C. R. Waller

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER Water Injection

7. UNIT AGREEMENT NAME

McElmo Creek Unit

2. NAME OF OPERATOR
The Superior Oil Company

8. FARM OR LEASE NAME

McElmo Creek Unit

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

9. WELL NO.

#M-16

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

10. FIELD AND POOL, OR WILDCAT

McElmo Creek

660' FSL & 660' FEL, Section 6, T41S, R25E

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

Sec. 6, T41S, R25E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 4709'

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
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.)*

7/2/68 Frac'd Zone I perms with 10,000 gal water at 8-1/2 BPM rate at 6200#.

7/3/68 Treated Zone I perms 5476-5556' with 15,000 gallons 28% acid in three equal stages, using 500 gal salt plugs between stages. First two stages flushed with 5,000 gallons water each, third stage flushed with 6,500 gallons water at 8 1/2 BPM and 5100 psi.

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

SIGNED D. D. Kingman

TITLE District Engineer

DATE 7/11/68

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

cc: State 2, USGS 4, Franques, Broussard, Hurlbut, File Working Interest Owners

McELMO CREEK UNIT #M-16
 660' FSL, 660' FEL
 SE SE Sec. 6, T41S, R25E
 San Juan County, UTAH

WATER INJECTION WELL

FIELD: McELMO CREEK
 KB: 4709' DF: 4708' GL: 4700' TD: 5710' PBD: 5652' TLD: 10.66'
 TOC: 2000' (temp)
 SPUDDED 6-17-57 COMPLETED: 8-6-57
 INJECTION ZONE: DESERT CREEK ZONE I
 PERFS: ZONE I: 5476-5504', 5418-22', 5526-32', 5540-56', 5572-78'.
 5584-5600'. (6 Jets/ft.)
 ZONE II: 5600-35' (6 Jets/ft.)
 ZONE III: 5635-46' (6 Jets/ft.)
 CASING: 10-3/4" 32.75# H-40 R-3 8R ST&C w/700 Sx. 38 Jts. 1454'
 7" J-55 R-3 8R w/900 Sx. 2 Jts. 23# LT&C 62'
 103 Jts. 20# ST&C 4314'
 34 Jts. 23# LT&C 5710'
 TUBING: 2-7/8" cmt. lined CS Hydril @ 5427'.
 PACKERS: 7" Lok-Set @ 5423'.
 PMPG. EQUIP: Injection Equipment
 REMARKS: A Baker Model N BP is @ 5565', R.I. 7-9-74.
 WELL HEAD: 6" Ser. 600 OCT Type T-16. Tbg. landed on bonnet thru WA-4 Hgr.

8-05-57 Acidized perfs w/10,000 gals. Jel-X-100 & nylon balls. Final pressure 2500#.
 6-29-64 Converted to water injection.
 12-13-67 Converted back to producing. Set Baker BP @ 5565'.
 4-10-68 Converted back to injection.
 7-03-68 Fractured perfs 5476-5556' w/10,000 gals. water. Treated w/ 15,000 gals. 28% acid. Final pressure 5100#, ISIP 3600#.
 1-29-69 Removed BP.
 7-03-69 Stimulated perfs w/1000 gals. 15% iron acid. Max & final press. 2500#, ISIP 1700#.
 1-27-70 Replaced tubing and packer.
 7-09-74 Replaced packer.

INITIAL WELL TEST

McELMO CREEK UNIT # M-16

DATE August 6, 1957

OIL BBL/DAY 487

OIL GRAVITY 41.1

GAS CU.FT/DAY _____

GAS-OIL RATIO CU/FT/BBL _____

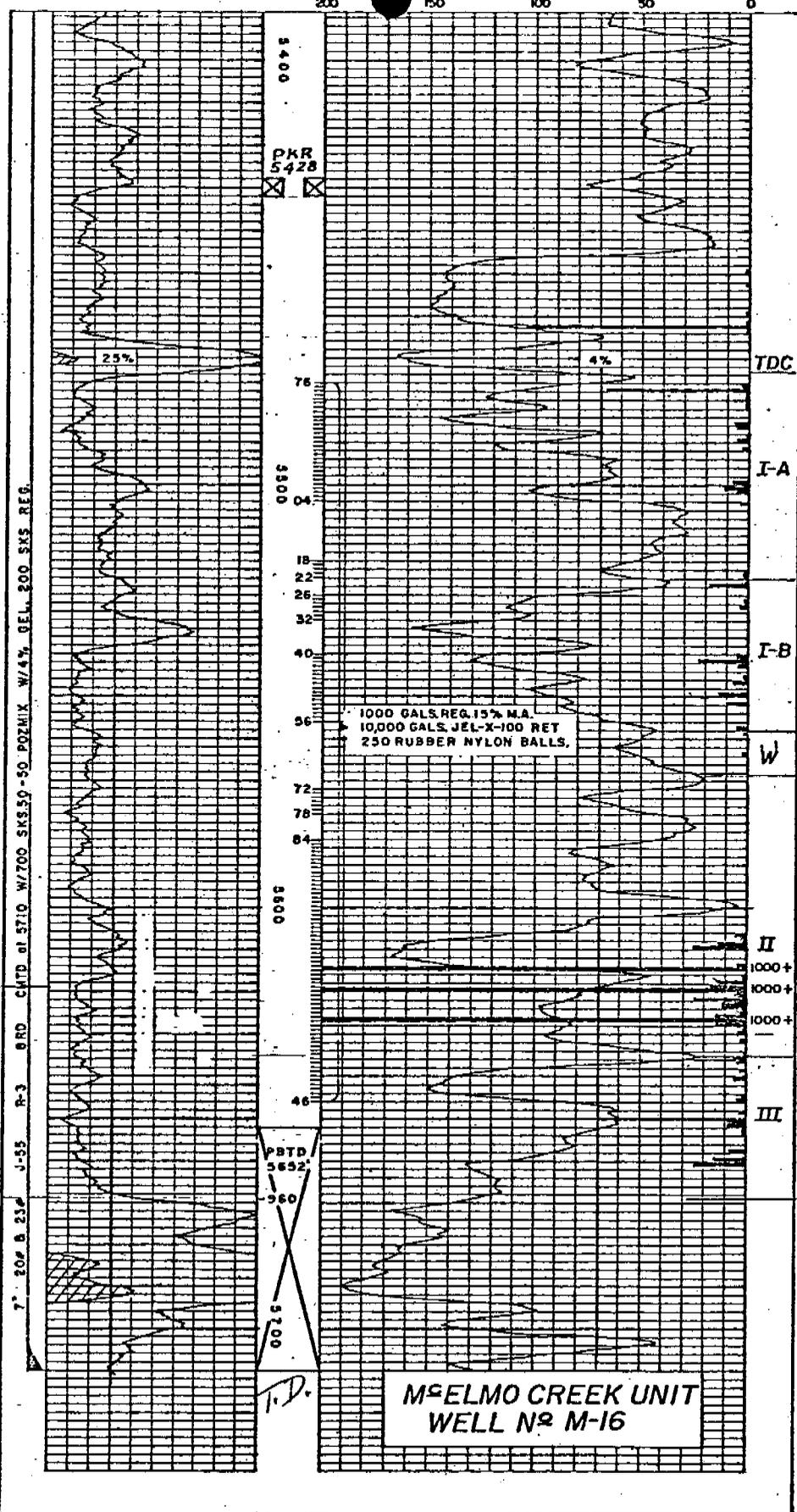
WATER BBL/DAY 28

PUMPING/FLOWING F

CHOKE SIZE 18/64

FLOW TUBING PRESSURE .495

PERMEABILITY - MILLIDARCYs



7-2-68: Frac'd Zone I w/10,000 gals water.
 Treated zone I perf's 5476-5556'
 w/15,000 gals 28% acid in 3 stages
 w/500 gal salt plugs between stages.
 7-13-69: Treated w/1000 gals 15% iron acid.

33.4 %
8 %
8 %

100 %
55.6 %
41 %
51 %
92 %

4.5669

FLOWMETER 9-17-64 4500 BPD
 FLOWMETER 8-19-69 2150 BPD
 RA TRACER 8-17-70 2345 BPD

McELMO CREEK UNIT
 WELL NO. M-16

McELMO CREEK UNIT
 THE SUPERIOR OIL CO. OPERATOR
 SE SE. SEC. 6, T41S, R25E.
 SAN JUAN COUNTY, UTAH.
 ELEV. 4709' K.B. T.D. 5710'

REV 1-8-70

WI
 Well No. M-16

McElmo Creek Unit

ATTACHMENT I

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

(a) Well Data Sheets.

- (b) (1) Plat #1.
(2) Well Data Sheets.
(3) Well Data Sheets & Logs.
(4)

- i. The average intervening thickness is 4000' between the existing injection interval and the deepest fresh water sand.
- ii. Maximum Surface Pressure: 2800 psig.
Maximum Rate: 4000 BWPD.

<u>FORMATION</u>	<u>DEPTH</u>	<u>LITHOLOGY</u>
Chinle	1300' avg.	Shale
DeChelly	2350' avg.	Sandstone
Organ Rock	2600' avg.	Shale
Hermosa	4400' avg.	Limestone
Upper Ismay	5300' avg.	Limestone
Lower Ismay	5370' avg.	Limestone
Gothic	5450' avg.	Shale
Desert Creek	5460' avg.	Limestone
Chimney Rock	5550' avg.	Shale

- (5) (i) A throttling valve is installed on the wellhead to control injection rates and pressures.
- (ii) The source of injection water is 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 5460' respectively.

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

PH: 6.5	Ca: 13770 ppm	SO4: 25 ppm
CL: 16700 ppm	Mg: 11421 ppm	H2S: 30 ppm
Fe: 3 ppm	HCO3: 109.8 ppm	Ba: -
CaCO3: 18470 ppm	CO3: -	Specific Gravity: 1.0553

McElmo Creek Unit

(5) Cont.

(iv) The injection zones are the Ismay and Desert Creek formations. Both zones are carbonate formations consisting of limestone, anhydrite and dolomite. The formations extend throughout the Paradox Basin and are underlain by the Chimney Rock Shale and are overlain by the Hermosa Limestone.

(v) Fresh water zones (Morrison, Bluff, Entrada) range from 0 to 1300' with Entrada being the deepest and somewhat saline.

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

PH: 6.6	Ca: 17410 ppm	SO4: 33 ppm
CL: 34800 ppm	Mg: 11518 ppm	H2S: 10 ppm
Fe: 1.5 ppm	HCO3: 48.8 ppm	Ba: -
CaCO3: 22150 ppm	CO3: -	Specific Gravity: 1.0902

(6) To assure that injection is confined to intervals intended to receive the disposed water, wireline diagnostic surveys are run periodically to determine whether any escapement is taking place. If such information is discovered, the disposal well will be shut-in until proper measure can be taken. Casing pressure readings are made regularly to verify that no tubing or packer leaks have developed. If such leaks develop, the well will be shut-in until proper repairs can be made.

(7) N/A.

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

(9) N/A.

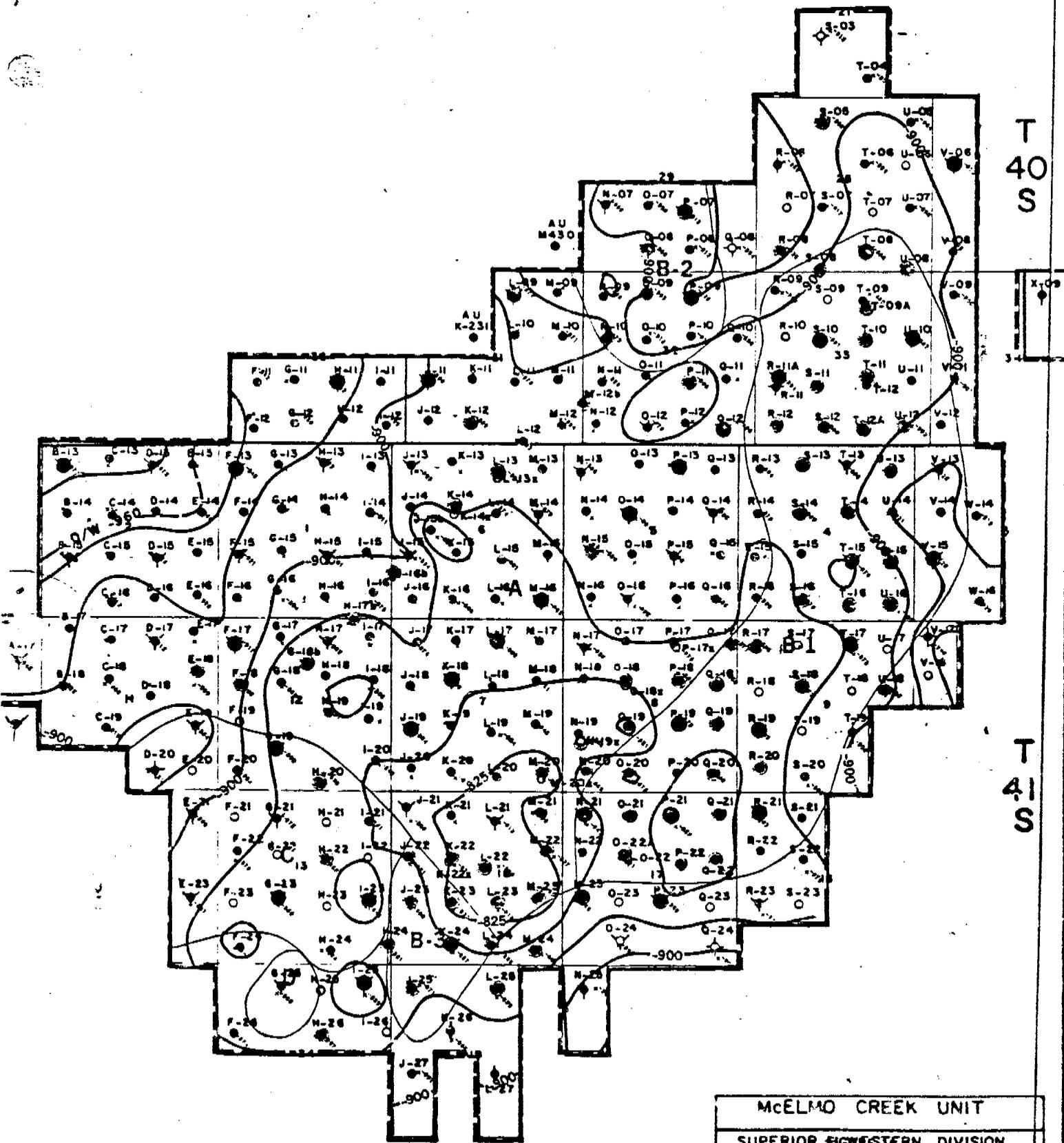
(10) N/A.

R24E

R25E

T 40 S

T 41 S



LEGEND

- FUTURE LOCATION
- DRILLING WELL (STATUS)
- OIL WELL
- ⊕ WATER INJECTION WELL
- ⊕ DUAL SERVICE, INJ/PROD

O/W CONTACT -960

0 2000' 4000'



McELMO CREEK UNIT	
SUPERIOR FIGWESTERN DIVISION	
McELMO CREEK UNIT	
SAN JUAN COUNTY, UTAH	
SUPERIOR OIL - WESTERN DIVISION	
STRUCTURE NO. 11	
BY: TOP OF WELL	
DESERT CREEK LIMESTONE, DEV	
DATE: 4-14-78	ZONE 2
CHECKED:	DRAWING NO.

BY:	SCALE:
DATE:	C.I.: 25ft.
CHECKED:	DRAWN BY:

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Superior Well No. McElmo Creek M 16
 County: San Juan T 41S R 25E Sec. 6 API# 43-037-16361
 New Well Conversion Disposal Well Enhanced Recovery Well

	YES	NO
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fracture Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pressure and Rate Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adequate Geologic Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fluid Source	<u>Desert Creek - Ismay</u>	
Analysis of Injection Fluid	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> TDS <u>60,000+</u>	
Analysis of Water in Formation to be injected into	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> TDS <u>70,000+</u>	
Known USDW in area	<u>Mojave-Chinle</u> Depth <u>1300</u>	
Number of wells in area of review	<u>12</u> Prod. <u>6</u> P&A <u>0</u>	
	Water <u>0</u> Inj. <u>6</u>	
Aquifer Exemption	Yes <input type="checkbox"/> NA <input checked="" type="checkbox"/>	
Mechanical Integrity Test	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Date	<u>10-20-84</u>	Type <u>Water from Fog</u>

Comments: _____

Reviewed by: 

Mobil Oil Corporation

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

May 14, 1986

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

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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

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

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

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

Very truly yours,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

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

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TOWNSHIP	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
MC ELMO CREEK	I-23	SAN JUAN	UT	NE SE	13-41S-24E		INJ OP	43-037-16352	14-20-603-370		96-004190
	I-25	SAN JUAN	UT	NE NE	24-41S-24E		INJ OP	43-037-16353	14-20-603-370		96-004190
	J-11	SAN JUAN	UT	NW SW	31-40S-25E		INJ OP	43-037-16354	14-20-603-372		96-004190
	J-13	SAN JUAN	UT	NW NW	06-41S-25E		INJ OP	43-037-16355	14-20-603-372		96-004190
	J-15	SAN JUAN	UT	NW SW	06-41S-25E		INJ OP	43-037-15954	14-20-603-372		96-004190
	J-17	SAN JUAN	UT	NW NW	07-41S-25E		INJ OP	43-037-05595	14-20-603-263		96-004190
	J-19	SAN JUAN	UT	NW SW	07-41S-25E		INJ OP	43-037-05550	14-20-603-263		96-004190
	J-21	SAN JUAN	UT	NW NW	18-41S-25E		INJ OP	43-037-06547	14-20-603-263		96-004190
	K-14	SAN JUAN	UT	SE NW	06-41S-25E		INJ OP	43-037-15956	14-20-603-372		96-004190
	K-18	SAN JUAN	UT	SE NW	07-41S-25E		INJ OP	43-037-05503	14-20-603-263		96-004190
	K-20	SAN JUAN	UT	SE SW	07-41S-25E		INJ OP	43-037-15503	14-20-603-263		96-004190
	K-22	SAN JUAN	UT	SE NW	18-41S-25E		INJ OP	43-037-15504	14-20-603-263		96-004190
	K-22A	SAN JUAN	UT	SE NW	18-41S-25E		INJ OP	43-037-30400	14-20-603-263		96-004190
	K-24	SAN JUAN	UT	SE SW	18-41S-25E		INJ OP	43-037-05406	14-20-603-263		96-004190
	L-09	SAN JUAN	UT	NW NE	31-40S-25E		INJ OP	43-037-16359	14-20-603-372		96-004190
	L-11	SAN JUAN	UT	NW SE	31-40S-25E		INJ OP	43-037-15958	14-20-603-372		96-004190
	L-13	SAN JUAN	UT	NW NE	06-41S-25E		INJ OP	43-037-15959	14-20-603-372		96-004190
	L-15	SAN JUAN	UT	NW SE	06-41S-25E		INJ OP	43-037-15960	14-20-603-372		96-004190
	L-17	SAN JUAN	UT	NW NE	07-41S-25E		INJ OP	43-037-05613	14-20-603-263		96-004190
	L-19	SAN JUAN	UT	NW SE	07-41S-25E		INJ OP	43-037-05539	14-20-603-263		96-004190
	L-21	SAN JUAN	UT	NW NE	13-41S-25E		INJ OP	43-037-05471	14-20-603-263		96-004190
	L-23	SAN JUAN	UT	NE SE	18-41S-25E		INJ OP	43-037-15507	14-20-603-263		96-004190
	L-25	SAN JUAN	UT	NW NE	19-41S-25E		INJ OP	43-037-15508	14-20-603-264		96-004190
	M-12	SAN JUAN	UT	SE SE	31-40S-25E		INJ OP	43-037-15962	14-20-603-372		96-004190
	M-14	SAN JUAN	UT	SE NE	06-41S-25E		INJ OP	43-037-15963	14-20-603-372		96-004190
	M-16	SAN JUAN	UT	SE SE	06-41S-25E		INJ OP	43-037-15361	14-20-603-372		96-004190
	M-18	SAN JUAN	UT	SE NE	07-41S-25E		INJ OP	43-037-15510	14-20-603-263		96-004190
	M-20	SAN JUAN	UT	SE SE	07-41S-25E		INJ OP	43-037-15511	14-20-603-263		96-004190
	N-07	SAN JUAN	UT	NE-SW	29-40S-25E		INJ OP	43-037-05819	I-149-IND-8839-A		96-004190
	N-09	SAN JUAN	UT	NW NW	32-40S-25E		INJ OP	43-037-15964	14-20-603-372		96-004190

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

** should be rechecked.*

OPERATOR: MEPNA
 FIELD: Greater Aneth LEASE: McElmo Creek
 WELL # M-16 Nav c-2 (44-6) SEC. 6 TOWNSHIP 41S RANGE 25E
 STATE FED. FEE DEPTH 5710 TYPE WELL INTJW MAX. INJ. PRESS. 2800
 TEST DATE 9/10/86 PBTD 5652

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>10 3/4"</u>	<u>1454</u>	<u>700</u>		<u>Slight press, blew down, no gauge</u>	
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>	<u>7"</u>	<u>5710</u>	<u>900</u>		<u>Casing valve had been left open.</u>	
<u>TUBING</u>	<u>2 7/8"</u>	<u>5427</u>		<u>1950#</u>	<u>ann. 416081</u>	

Packer A + 5423'

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
JUL 23 1990
DIVISION OF
OIL, GAS & MINING

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990

5. Lease Designation and Serial No.
14-20-603-372

6. If Indian, Allottee or Tribe Name
NAVAJO

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

8. Well Name and No.
M-16

9. API Well No.
43-037-16361

10. Field and Pool, or Exploratory Area
Greater Aneth

11. County or Parish, State
San Juan, Utah

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

2. Name of Operator
MOBIL OIL CORPORATION

3. Address and Telephone No. **%Mobil Exploration & Producing U.S. Inc.**
P.O. Box 633 Midland, Texas 79702

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

660' FSL & 660' FEL, SEC. 6, T41S, R25E

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
	<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

Conversion to CO₂
(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.)*

- 6-21-90 MIRU. POOH W/PKR, & TBG.
- 6-22-90 DRILL & CIRC. OUT FILL. CIRC. HOLE W/FW.
- 6-25-90 RIH W/PKR @ 5431. PRESS. CSG. 1000 psi/HELD. ACDZ PERFS 5476-5556 W/5400 GAL 15% HCL W/ADD. & 3000 GALS DIVERTER
- 6-26-90 INSTALL NEW TBG. HEAD. PRESS. TEST TO 1500 PSI/HELD. REL PKR.
- 6-27-90 RIH W/TBG, SET PKR @5435. PRESS. TEST CSG. 1000 PSI/HELD 30 MIN. RDMO CONVERTED FOR CO₂ INJECTION.

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

Signed **Shuley Todd (915)688-2585**

Title **MANAGER OF WELLS, U.S. INC. RELATIVE TO MOBILE OIL CORPORATION**

Date **7-18-90**

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

MOBIL OIL CORPORATION
Date _____

519

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

5. Lease Designation and Serial No.
14-20-603-372

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

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

8. Well Name and No.
M-16

9. API Well No.
43-037-16361

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

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

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)
660' FSL, 660' FEL SEC. 6, T41S, R25E

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 checked="" type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

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

ACCEPTED BY THE STATE
OIL & GAS DIVISION OF
UTAH
10/14/92
JRM

RECEIVED
OCT 13 1992
DIVISION OF
OIL GAS & MINING

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

Signed Shirley Todd **SHIRLEY TODD** Title ENV. & REG. TECHNICIAN Date 10-6-92

(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.

PROPOSED WORKOVER PROCEDURES
McELMO CREEK UNIT
M-16

- 1) Dig workover pit and line/fence. MI 300 EBL tank and load with brine water. MIRU DDFU.
- 2) MI Baker Oil Tools. Bleed pressure off tbg/csg annulus. Remove tbg head bolts, stab lifting sub in crown of tree, pick up and rotate to left to close downhole shut-off valve (DHV). Set down and apply left hand torque to release on/off tool (OOT). Load hole w/ brine water for kill fluid. Latch OOT and open DHV with right hand turn. If well dead, procede to pull well. If well not dead, obtain SIDPP. Contact Engineering.
- 3) RU Cyclone Services. Release packer (set down, rotate right) and POOH w/ 7" Baker inverted lok-set packer (incoloy) + Baker model B DHV + Baker HEL OOT + 173 jts 2-7/8", J-55, 8rd tbg internally Fluorolined (cement lined). Break out tbg w/ full grip tongs to prevent point loading on tube. Use back-ups on collars. Stand tbg back in derrick with thread protectors. Send PKR + DHV + OOT to Baker yard and pressure test before breaking down. Notify Engineering of results.
- 4) MI 2-7/8" workstring. PU and RIH w/ 6-1/4" bit + scraper for 23# csg + 178 jts W/S. Clean out to PSTD @ 5565'. Circulate hole clean. POOH.
- 5) PU and RIH w/ 7" tension packer + RBP on 175 jts W/S. Set RBP @ +/- 5430' and PKR @ +/- 5000'. Make sure hole is loaded. Pressure test down tbg to 1000 psi for 30 minutes, 5% leak-off (50 psi) or less is acceptable. Pressure test down annulus to 1000 psi for 30 minutes. If pressure test fails, continue moving up hole until leak is isolated. Try to pump into leak. Contact Engineering.
- 6) If no leak was found, retrieve RBP/PKR and POOH. Lay down W/S. Continue on from step 11.
- 7) If a leak has been found, SI well for minimum of 12 hrs with NO flow. Contact EPA to witness temperature log. Run gamma-ray to get on depth. Run temperature log according to EPA specifications (attached to back of workover package) from RBP to surface. Have logging company draft gamma-ray curve from Schlumberger gamma-neutron dated 7-30-57. Fax log to EPA in San Francisco to obtain squeeze approval.
- 8) Once squeeze approval is obtained, squeeze as follows:

IF HIGH PRESSURE LEAK:
 - a) spot 3 drums sodium silicate across leak.
 - b) apply 1000 psi differential squeeze pressure and hold.
 - c) circulate out remainder sodium silicate.
 - d) pressure test squeeze to 1000 psi for 30 minutes.

IF RATE IS OBTAINED INTO LEAK:

- a) set cmt retainer above leak
 - b) establish rate through retainer
 - c) mix 50 - 100 sx class 'G' with fluid loss of 200-400 cc's
 - d) squeeze through retainer, MAX press = 1500 psi
 - e) hesitate cement every 15 minutes until squeeze pressure is obtained
 - f) sting out of retainer and reverse out excess cement
- 9) POOH w/ tbg. RIH w/ bit + scraper + W/S. Drill out retainer + squeeze. Pressure test squeeze to 1000 psi for 30 minutes, 5% leak-off (50 psi) is acceptable. If squeeze doesn't hold, repeat squeeze procedures. If squeeze holds, POOH.
- 10) SI well for 12 hrs. Contact EPA to witness 2nd temperature log. Run temp log same as before. Shut down and wait an additional 12 hrs. Run 3rd temp log with same guidelines. RD wireline.
- 11) RIH w/ W/S and retrieving head for RBP. POOH w/ RBP and lay down W/S.
- 12) RU Premium tongs w/ full grip heads/backups. PU Baker 7" inverted lok-set pkr + DHV + OOT on 173 jts 2-7/8" Fluorolined (cement) tbg. Make-up for tbg is between 1240 - 1650 ft-lbs torque.
- 13) Set PKR @ +/- 5435' w/ -5k to neutral weight. Load backside and pressure test to 1000 psi for 30 minutes. If pressure test good, close DHV and Release OOT. ND BOP's and NU WH. Circulate well w/ fresh water mixed w/ 2 drums Tretolite packer fluid. Latch OOT and open DHV. NU injection skid, clean location.
- 14) Perform Mechanical Integrity Test (MIT) for EPA. Contact Ken Lingo, EPA, Farmington N.M. to witness. Use chart recorder to record test. Submit copy of chart to Ernie Thomas, Cortez office. Fill out Utah Tax Credit form. Submit to Tiny Higman, Cortez office. Turn well over to production.
- 15) Return well to water injection. Target Rate = 220 BWPD.
Max Pressure = 2430 psi.

T. Wayne McPherson

(303) 565-2207 office
(303) 565-0177 home
(303) 749-1143 mobile
(505) 327-8814 pager

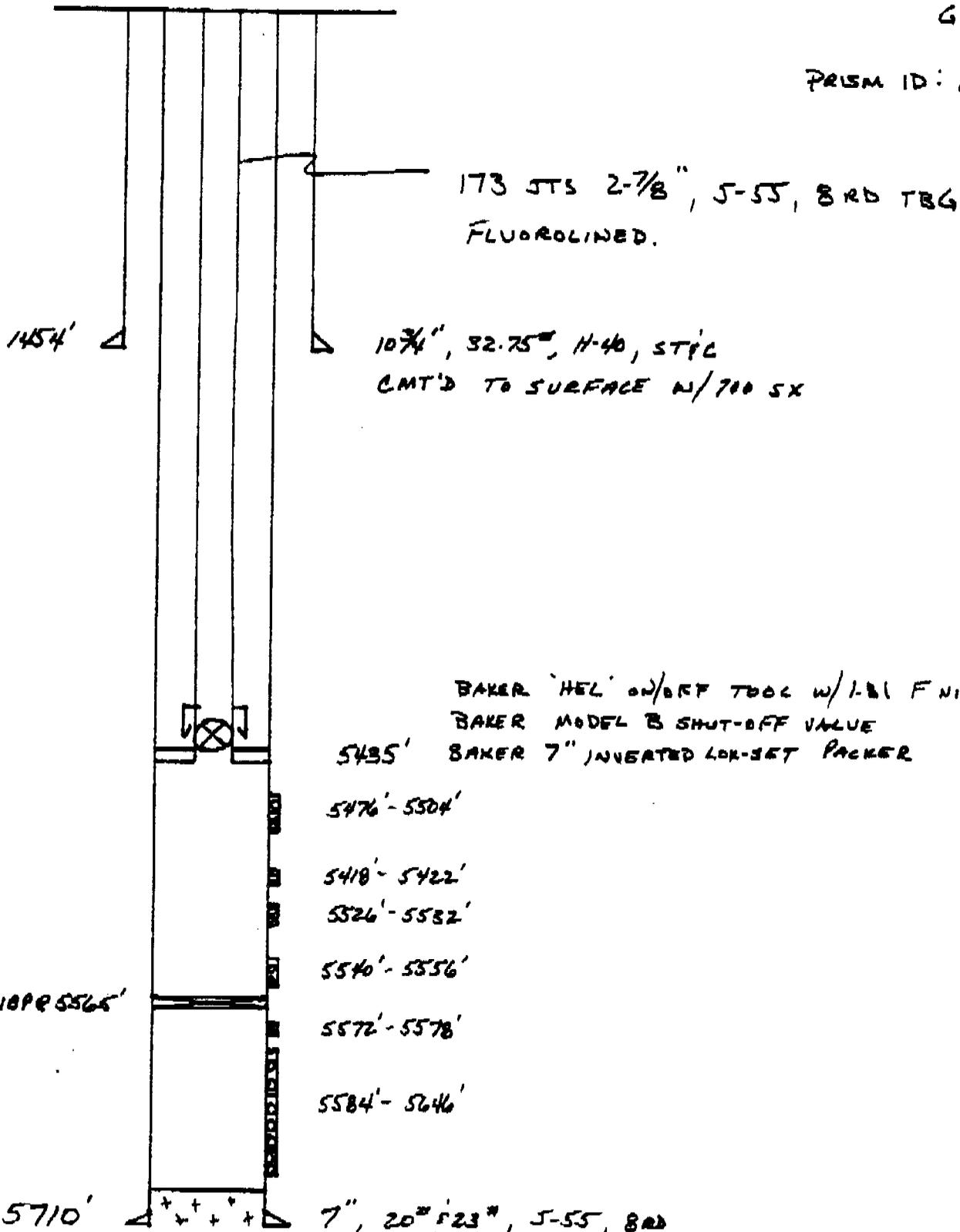
FOR MCCLIND CREEK UNIT M-16
 LOCATION SE/SE SEC 6, T41S, R25E
 SUBJECT 660' FSL, 660' FEL
SAN JUAN COUNTY, UTAH

JOB OR AUTH. NO. _____
 PAGE _____
 DATE _____
 BY TW McPHERSON

CURRENT WELLBORE

ELEVATION: KB: 4711'
 GL: 4700'

PRISM ID: 0000310



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35

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.
14-20-603-372

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

SUBMIT IN TRIPLICATE

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

Type of Well

Oil Well Gas Well Other INJECTION WELL

8. Well Name and No.
M-16

9. API Well No.
43-037-16361

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UTAH

1. Name of Operator
MOBIL OIL CORPORATION

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

3. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL, 660' FEL SEC.6, T41S, R25E

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 AMEND PROCEDURE
- Change of Plans
 New Construction
 Non-Routine Fracuring
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completions on Well Completion or Recompletion Report and Log (Form 3160-5))

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 ATTACHED PROCEDURE

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

DATE: 11-10-92
BY: M. Matthews



NOV 09 1992

DIVISION OF
OIL, GAS & MINING

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

Signed Shirley Todd SHIRLEY TODD Title ENV. & REG. TECHNICIAN

Date 11-4-92
~~10-6-92~~

(This space for Federal or State office use)

Federal Approval of this

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

PROPOSED WORKOVER PROCEDURE AMENDMENT
McELMO CREEK UNIT
M-16
SAN JUAN COUNTY, UTAH

It is requested that the following procedure to add Ismay perforations be added to the procedures previously submitted to test casing and repair a suspected casing/equipment leak. The proposed procedure amendment should be inserted into previously submitted procedure following step #11.

11a) RU perforators. RIH w/ 4" casing gun, 22 gram charges, 90 degree phasing, 4 spf and perforate as follows: (correlate w/ gamma-ray to gothic shale to get on depth).

ZONE	INTERVAL	NO. HOLES
<i>Ismay</i> Isney	5447'-5464'	68

RD perforators.

b) PU 7" RBP + 7" tension packer and 2-7/8" workstring. Set RBP @ +/- 6470'. Set packer @ +/- 5410'. RU Dowell to acidize w/ 2000 gals 15% HCl + additives as follows:

- 1) establish rate
- 2) pump 1000 gals acid
- 3) pump 500 gal gelled salt plug w/ 1#/g coarse rock salt
- 4) pump 1000 gals acid
- 5) flush w/ 1750 gals fresh water

RD Dowell.

c) RU swab. Swab back load. POOH w/ packer and RBP.

PROPOSED WORKOVER PROCEDURES
McELMO CREEK UNIT
M-16

- 1) Dig workover pit and line/fence. MI 300 EBL tank and load with brine water. MIRU DDPU.
- 2) MI Baker Oil Tools. Bleed pressure off tbg/csg annulus. Remove tbg head bolts, stab lifting sub in crown of tree, pick up and rotate to left to close downhole shut-off valve (DHV). Set down and apply left hand torque to release on/off tool (OOT). Load hole w/ brine water for kill fluid. Latch OOT and open DHV with right hand turn. If well dead, procede to pull well. If well not dead, obtain SIDPP. Contact Engineering.
- 3) RU Cyclone Services. Release packer (set down, rotate right) and POOH w/ 7" Baker inverted lok-set packer (incoloy) + Baker model B DHV + Baker HEL OOT + 173 jts 2-7/8", J-55, 3rd tbg internally Fluorolined (cement lined). Break out tbg w/ full grip tongs to prevent point loading on tube. Use back-ups on collars. Stand tbg back in derrick with thread protectors. Send PKR + DHV + OOT to Baker yard and pressure test before breaking down. Notify Engineering of results.
- 4) MI 2-7/8" workstring. PU and RIH w/ 6-1/4" bit + scraper for 23# csg + 179 jts W/S. Clean out to PBD @ 5565'. Circulate hole clean. POOH.
- 5) PU and RIH w/ 7" tension packer + RBP on 175 jts W/S. Set RBP @ +/- 5430' and PKR @ +/- 5000'. Make sure hole is loaded. Pressure test down tbg to 1000 psi for 30 minutes, 5% leak-off (50 psi) or less is acceptable. Pressure test down annulus to 1000 psi for 30 minutes. If pressure test fails, continue moving up hole until leak is isolated. Try to pump into leak. Contact Engineering.
- 6) If no leak was found, retrieve RBP/PKR and POOH. Lay down W/S. Continue on from step //.
- 7) If a leak has been found, SI well for minimum of 12 hrs with NO flow. Contact EPA to witness temperature log. Run gamma-ray to get on depth. Run temperature log according to EPA specifications (attached to back of workover package) from RBP to surface. Have logging company draft gamma-ray curve from Schlumberger gamma-neutron dated 7-30-57. Fax log to EPA in San Fransisco to obtain squeeze approval.
- 8) Once squeeze approval is obtained, squeeze as follows:

IF HIGH PRESSURE LEAK:
 - a) spot 3 drums sodium silicate across leak.
 - b) apply 1000 psi differential squeeze pressure and hold.
 - c) circulate out remainder sodium silicate.
 - d) pressure test squeeze to 1000 psi for 30 minutes.

IF RATE IS OBTAINED INTO LEAK:

- a) set cnt retainer above leak
 - b) establish rate through retainer
 - c) mix 50 - 100 sx class 'G' with fluid loss of 200-400 cc's
 - d) squeeze through retainer, MAX press = 1500 psi
 - e) hesitate cement every 15 minutes until squeeze pressure is obtained
 - f) sting out of retainer and reverse out excess cement
- 9) POOH w/ tbg. RIH w/ bit + scraper + W/S. Drill out retainer + squeeze. Pressure test squeeze to 1000 psi for 30 minutes, 5% leak-off (50 psi) is acceptable. If squeeze doesn't hold, repeat squeeze procedures. If squeeze holds, POOH.
 - 10) SI well for 12 hrs. Contact EPA to witness 2nd temperature log. Run temp log same as before. Shut down and wait an additional 12 hrs. Run 3rd temp log with same guidelines. RD wireline.
 - 11) RIH w/ W/S and retrieving head for RBP. POOH w/ RBP and lay down W/S.
 - 12) RU Premium tongs w/ full grip heads/backups. PU Baker 7" inverted lok-set pkr + DHV + OOT on 173 jts 2-7/8" Fluorolined (cement) tbg. Make-up for tbg is between 1240 - 1650 ft-lbs torque.
 - 13) Set PKR @ +/- 5435' w/ -5k to neutral weight. Load backside and pressure test to 1000 psi for 30 minutes. If pressure test good, close DHV and Release OOT. ND BOP's and NU WH. Circulate well w/ fresh water mixed w/ 2 drums Tretolite packer fluid. Latch OOT and open DHV. NU injection skid, clean location.
 - 14) Perform Mechanical Integrity Test (MIT) for EPA. Contact Ken Lingo, EPA, Farmington N.M. to witness. Use chart recorder to record test. Submit copy of chart to Ernie Thomas, Cortez office. Fill out Utah Tax Credit form. Submit to Tiny Higman, Cortez office. Turn well over to production.
 - 15) Return well to water injection. Target Rate = 220 BWPD.
Max Pressure = 2430 psi.

T. Wayne McPherson

(303) 565-2207 office
(303) 565-0177 home
(303) 749-1143 mobile
(505) 327-8814 pager

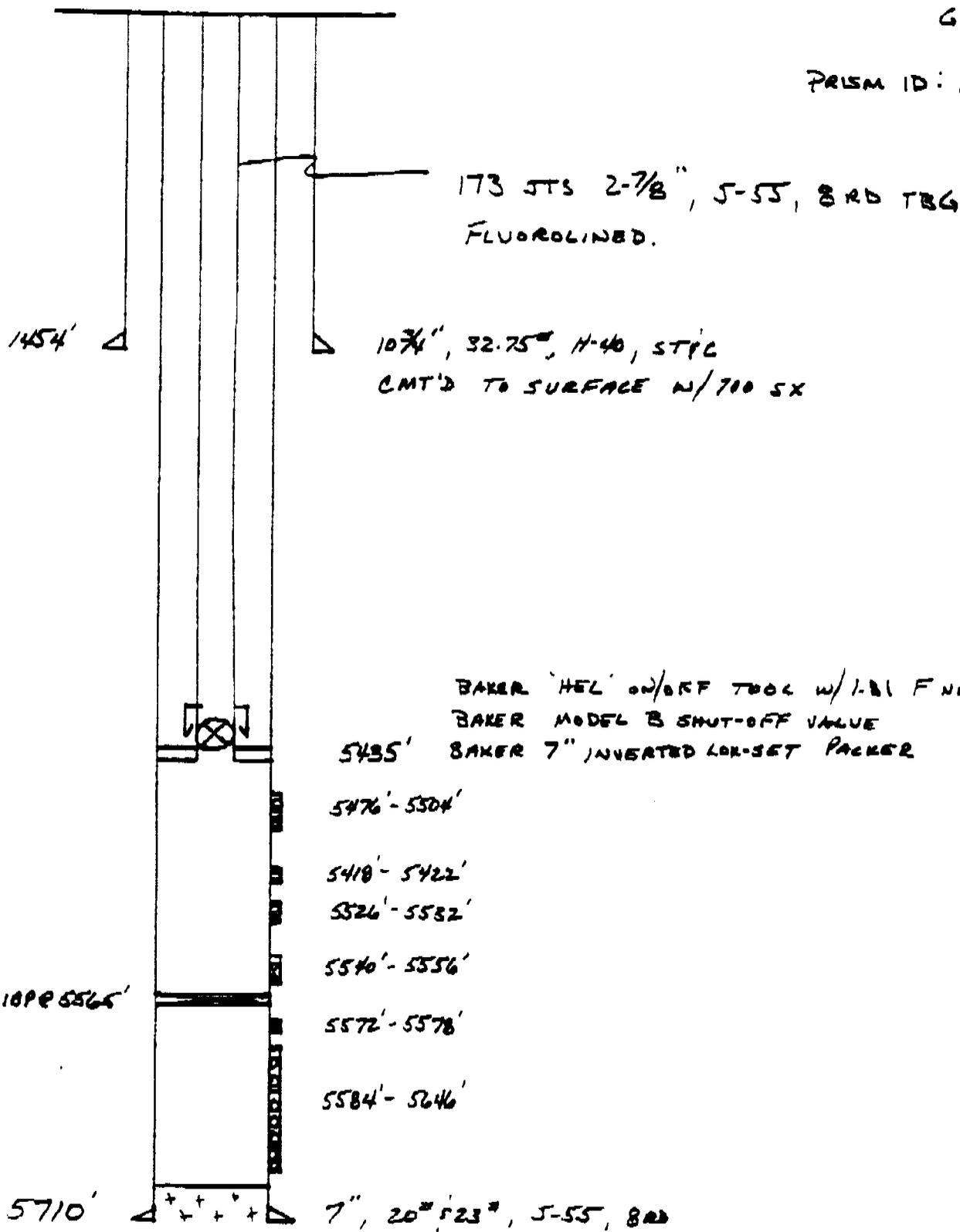
FOR MCELMO CREEK UNIT M-16
 LOCATION SE/SE SEC 6, T41S, R25E
 SUBJECT 660' FSL, 660' FEL
SAN JUAN COUNTY, UTAH

JOB OR AUTH. NO. _____
 PAGE _____
 DATE _____
 BY TW McPHERSON

CURRENT WELLBORE

ELEVATION: KB: 4711'
 GL: 4700'

PRISM ID: 0000310



1
2
2
2
2
2
2
3
3
3
3
3

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.
14-20-603-372

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

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

8. Well Name and No.
M-16

9. API Well No.
43-037-16361

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 WELL**

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)
660' FSL, 660 FEL SEC. 6, T41S, R25E

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

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

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

11-10-92 MIRU BLEED CSG & TBG PRESS. OFF. CIRC. HOLE W/200 BBLS 10# BR.

11-11-92 OPEN DNHOLE VALVE. TEST ANN. TO 1020#/OK/30 MIN. BLEED DN TBG(BLED OFF CO2 OUT OF TBG.) PRESS TEST TBG TO 1800#/BLED OFF SLOWLY.(CO2 IN TBG.

11-13-92 SNUBB OUT OF HOLE W/ 2 7/8 TBG, ON & OFF TOOL & PKR.

11-15-92 SNUBB-STRIP IN HOLE. SET INVERTED LOC-SET @ 5435'. BLEED DN ANN. LOAD TBG W/BR. WTR. PUMP OUT PLUG. CLOSE DHV. PRESS ANN TO 1400#/OK/15 MIN.

11-17-92 CIRC. HOLE W/FW & 2 DRUMS OF PKR. FLUID. PRESS ANN TO 1200#/OK/30 MIN.

11-19-92 RUN MIT TEST. PRESS TO 1060#/30 MIN/OK. WITNESSED BY KEN LINGO/EPA. WELL REL. TO PRODUCTION.

RECEIVED

DEC 04 1992

DIVISION OF
OIL, GAS & MINING

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

Signed Shirley Todd **SHIRLEY TODD**

Title ENV. & REG. TECHNICIAN

Date 11-30-92

(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

McElmo Creek M-16
Workover Procedure

1. Lock and tag out all power sources. RU pump and pump lines to christmas tree. Bullhead 50 bbls of 10 ppg brine into well. Observe well the next day to confirm if well is dead.
 2. MI workover rig having 108' derrick. Bleed off casing pressure. Unbolt tree and PU 20,000 lbs tension and rotate 1 turn to the left to close downhole shut off valve. If well is not dead, bleed off tubing pressure to confirm downhole shut off valve is closed.
 3. Release on/off tool. ND tree. NU and FT BOP's to 3000 psi high and 250 psi low. Circulate hole to 10 ppg brine. If well was not dead, RU snubbing equipment. Send tree to Big Red Tool, Farmington for inspection and replacement of AB modified teflon seal ring in bottom of tree. Have tree returned in time for use on this well.
 4. Release Baker inverted Lok-Set packer and POH laying down 2-7/8" fluorolined injection tubing and send to Permian Interprises in Odessa, Texas for inspection and repair cost estimate. Use open rotary type tongs with backup on collar (Do not use Foster type closed rotary tongs). Install thread protectors while laying down tubing. RIH with 6-1/8" rock bit without nozzles, bulldog bailer, and casing scraper for 7", 23 lb/ft casing on 2-7/8" workstring and CD to FBTD at 5565' EL (CIBP). POH.
 5. RIH with squeeze packer, 4 jts of 2-3/8" tailpipe and RBP. Set RBP at +/- 5400'. PT casing to 1000 psi for 30 minutes (5 percent leakoff or less is acceptable).
 6. If casing fails to PT, set squeeze packer and PT RBP to 1500 psi for 30 minutes to confirm RBP is holding. If RBP is holding, PT backside to 1000 psi. PU 500' and reset squeeze packer. PT backside to 1000 psi. Continue up the hole and locate leak. RIH to +/- 5350'. Dump 200 lbs of 20/40 sand down workstring slowly and pump to bottom. Wait 1 hour for sand to fall. Reverse out workstring. RIH and tag top of sand to confirm +/- 10' of sand on top of RBP. PU and set tubing tail +/- 100' from location of casing leak. Set Squeeze packer and space out with 15,000 lbs weight. Pressure backside to 1000 psi and monitor. Establish injection rate of +/- 1-2 BPM using 10 ppg brine at maximum surface injection pressure of 1500 psi. Mix and pump the following:
 - A) 5 bbls of fresh water spacer
 - B) 100 sxs of Class B standard cement containing 0.3% Halad 344, 5% Microbond, and sufficient retarder for 3 hour pump time.
 - C) 5 bbls of fresh water spacer
- NOTE: Halliburton is running test results on proposed slurry to determine if any retarder is necessary.
7. Displace top of slurry to end of tailpipe or to a maximum injection pressure of 1500 psi. Stage squeeze last 4 bbls of cement as necessary to obtain a final squeeze pressure of at least 1500 psi.

8. Release squeeze packer and reverse out. POH. WOC 12 hours. RIH with 6-1/8" rock bit without nozzles and casing scraper for 7", 23 lb/ft casing and drill out cement. PT casing to 1000 psi for 30 minutes. Resqueeze if necessary. If PT holds then CO to top of sand plug at +/- 5390'. Wash an additional 4' of sand out of hole without rotating. POH.
9. RIH with retrieving head for RBP and circulate sand off the top of the plug. Retrieve RBP and POH laying down workstring.
10. RU Schlumberger wireline unit and lubricator. PT lubricator to 1000 psi or wellhead pressure if higher. RIH with GR/METT/CCL and log from PBD at 5565' to 4500' or until short casing joints are located. POH. RIH with 30' of 4" casing guns loaded at 4 SPF with deep penetrating 22 gram charges and perforate 5431'-5461' EL (Schlumberger Induction Electric Log, Run No. 1 dated 7/30/57). POH. RIH with junk basket/ gauge ring for 7", 23 lb/ft casing to 5400' EL. POH.
11. RIH with the following production packer assembly on wireline:

DESCRIPTION	MAX. O.D.	MIN. I.D.	LENGTH
	in.	in.	ft.
7" X 3.5" 23 lb/ft wireline set Guiberson Uni-X retrievable seal bore packer (Nickel plated and plastic coated) with 90 Duro Nitrile ends w/78 Duro Polyepichlorohydrin CO2 center elastomers w/4.5' X 3.5" 316 stainless steel seal bore extension w/Aflas o-rings on all threaded connections	6.125	3.5	11.42
316 stainless steel sealbore AB modified box X 2-3/8" EUE 8rd pin x-over	5.2	1.995	0.75
6 ft 316 stainless steel 2-3/8", 4.7 lb/ft pup joint w/EUE 8rd AB Modified box X pin	3.063	1.995	6.0
316 stainless steel Model F non-ported seating nipple, Size 1.812 w/2-3/8", 4.7 lb/ft EUE 8rd AB Modified box X pin	3.063	1.812	1.0
6 ft 316 stainless steel 2-3/8", 4.7 lb/ft pup joint w/EUE 8rd AB Modified box X pin	3.063	1.995	6.0
316 stainless steel Model R non-ported NoGo seating nipple, Size 1.781 w/2-3/8", 4.7 lb/ft EUE 8rd AB Modified box X pin	3.063	1.728	1.0
316 stainless steel wireline entry guide w/pump-out plug, size 2-3/8", 4.7 lb/ft EUE 8rd AB Modified box	3.063	1.995 (After plug pumped out)	0.5

12. Set top of packer at 5360' EL. NOTE: Based on METT casing inspection log, packer depth can be adjusted. Packer needs to be set within 100' of top perforation at 5431'. POH with setting tool. Bleed off casing pressure. RDMD wireline. RD snubbing unit if it

13. PU and RIH with the following latch type seal assembly and injection string:

DESCRIPTION	MAX. O.D. in.	MIN. I.D. in.	LENGTH ft.
2-7/8", 6.5 lb/ft AB Modified 8rd X 3.5" Guiberson latch nipple w/ATR seals, 7 ft long spacer tube, one ATR seal nipple, one ATR seal unit, one ATR seal unit made of 316 stainless steel. 1/2 muleshoe made of 316 stainless steel. I.D. of flow area of seal assembly is plastic coated, all 8 TPI stub acme boxes to have Aflas o-rings. all 10 rd boxes to be AB modified with Teflon rings installed. Assembly to be pressure tested to 3000 psi using nitrogen prior to being sent to location.	3.94	2.25	11.0
2-7/8", 6.5 lb/ft J-55 KCTS (Threadmasters Torque Ring) Fluorolined Tubing w/pup joints as required	3.668	2.14	+/- 5360

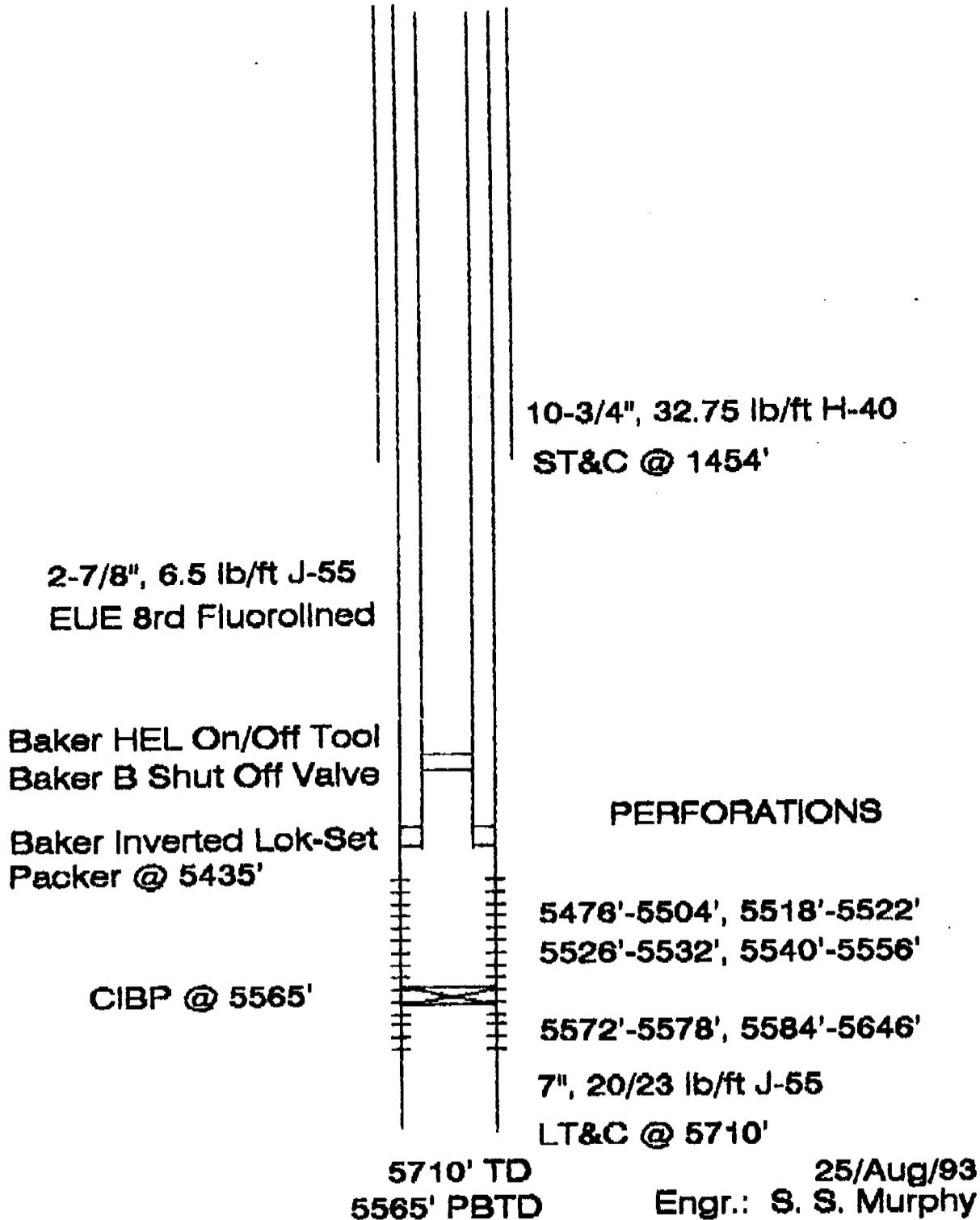
NOTE: A. All new KCTS tubing to be torque turned to 2250 ft-lbs and made up with torque tongs using Seallube. Use permitex on permiterts. Brian Nelson with Threadmasters at 915/550-6342 to be on location while running tubing.

B. Rabbit tubing with 2.0" O.D. rabbit.

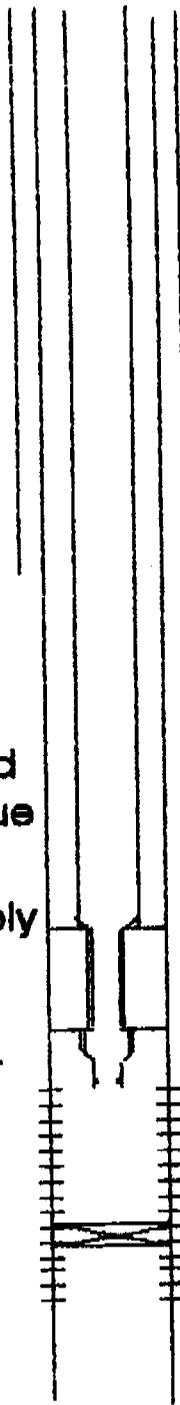
14. Sting seal assembly into production packer and space out for 15,000 lbs compression at surface. PT backside to 500 psi. Rotate to the right and release seal assembly from packer. Install necessary 2-7/8", 6.5 lb/ft J-55 KCTS fluorolined tubing pup joints. Reverse circulate fresh water packer fluid containing 1 percent by volume of Tretolite CRW137 corrosion inhibitor/oxygen scavenger.
15. ND BOPS. Screw on christmas tree. Insure that Teflon ring in box on christmas tree is a new ring. Snap into snap latch and confirm by pulling 10,000 lbs tension. Land tree and bolt up flange. Pressure tubing to 2500 psi and shear out pump out plug. RDMD workover rig. Hook up injection lines. Clean location.
16. Perform Mechanical Integrity Test (MIT) for EPA. Contact Jim Walker of the Navajo EPA in Shiprock at 505/368-4125 to witness. Use chart recorder to record test. Send copies of chart to Shirley Todd, Midland, Al Pena, Cortez, and Aneth files. Fill out Utah tax credit form and submit to Tiny Higman, Cortez office. Turn well over to production.

Sean S. Murphy, Oper. Engr. Office Phone: 8-333-2208 or 303/565-2208
Home Phone: 303/564-9423

McElmo Creek Unit M-16
EXISTING



McElmo Creek Unit M-16 PROPOSED



10-3/4", 32.75 lb/ft H-40
ST&C @ 1454'

2-7/8", 6.5 lb/ft J-55
EUE 8rd Fluorolined
w/Threadmaster Torque
Rings
Anchored Seal Assembly

WL set Packer @
5360'
(See Attached Packer
Detail)

CIBP @ 5565'

PERFORATIONS

5431'-5461' (New Perfs)
5476'-5504', 5518'-5522'
5526'-5532', 5540'-5556'

5572'-5578', 5584'-5646'

7", 20/23 lb/ft J-55
LT&C @ 5710'

5710' TD
5565' PBTD

25/Aug/93
Engr.: S. S. Murphy

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.
14-20-603-372

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

MCELMO CREEK UNIT

8. Well Name and No.

M-16

9. API Well No.

43-037-16361

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 WELL**

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)

660° FSL, 660 FEL SEC.6, T41S, R25E

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 checked="" 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.)*

- 12-13-93 MIRU POH W/TBG.
- 12-14-93 RIH W/WORKSTRING . RU SNUBBING UNIT. POH W/WORKSTRING PKR. STUCK. WORK PKR FREE..
- 12-16-93 UNABLE TO WORK PAST CSG COLLAR. PKR WOULD NOT GO PAST 3454'.
- 12-17-93 LEFT PKR AT 5546.
- 12-18-93 SNUB HOLE AND SCRAPE TBG. TAG AT 5546'.
- 12-19-93 PERF W/4 JSPF 5431' - 5461'.
- 12-20-93 SET PKR AT 5360' RIH W/ 2 7/8 TBG.
- 12-21-93 RIH W/ ANCHOR SEAL ASSY.
- 12-22-93 PRESS TEST TBG TO 1050#/30 MIN/OK.
- 12-23-93 RDMO RETURN TO PRODUCTION.

[Faint stamp]
JAN 13 1994
DIVISION OF
OIL, GAS & MINING

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

Signed Shirley Todd SHIRLEY TODD Title EVN. & REG. TECHNICIAN

Date 1-7-94
~~11-22-93~~

(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

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 type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <u>INJECTION WELL</u>		5. Lease Designation and Serial No. <u>14-20-603-370</u>
2. Name of Operator <u>MOBIL OIL CORPORATION</u>		6. If Indian, Allottee or Tribe Name <u>NAVAJO TRIBEAL</u>
3. Address and Telephone No. <u>P.O. BOX 633, MIDLAND, TX 79702</u> (915)688-2585		7. If Unit or CA, Agreement Designation <u>MOJIMO CREEK UNIT</u>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <u>660' FSL, 660' FEL SEC. 7, T41S, R25E</u>		8. Well Name and No. <u>M-36</u>
		9. API Well No. <u>42-037-16361</u>
		10. Field and Pool, or Exploratory Area <u>GREATER ANETH</u>
		11. County or Parish, State <u>SAN JUAN, UTAH</u>

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 <u>Workover</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.)

SEE ATTACHMENT

FEB 22 1994

2-24-94
Shirley Todd

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

Signed Shirley Todd SHIRLEY TODD Title ENV. & REG. TECH. Date 2-24-94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any: Federal Approval of this Action is Necessary

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.

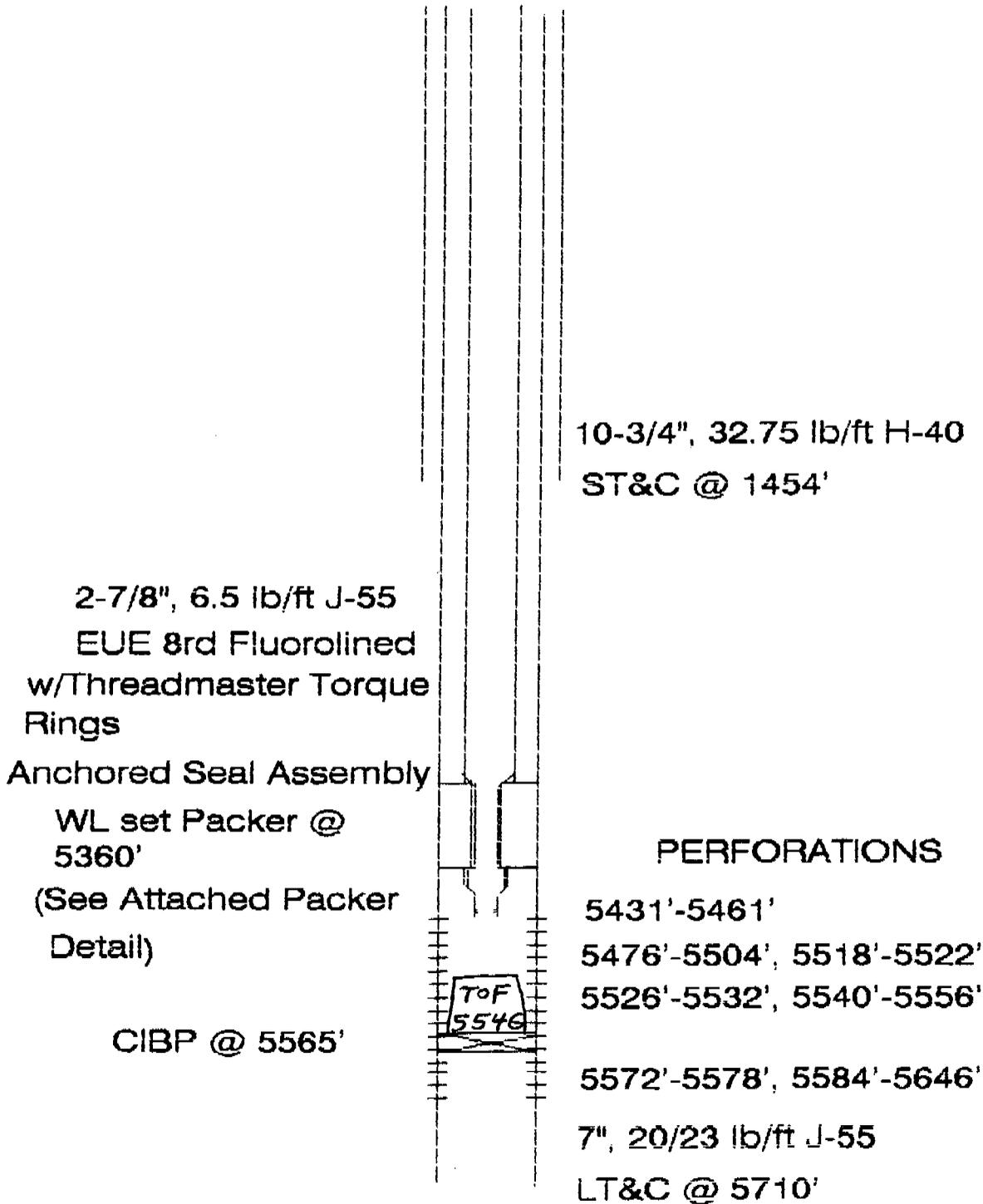
McElmo Creek Unit M-16
Workover Procedure

NOTE: Well was cleaned out in December, 1993 and would never take any injection fluid.

1. MIRU wireline unit with lubricator. Turn off all radios/cellular telephones on location and post warning signs for radio/cellular telephone silence at all roads within 100 yards of location. RIH with 1-11/16" Schlumberger Enerjet perforating gun loaded at 6 SPF and perforate 5518'-5540', 5476'-5504', 5448'-5465' at 0 degree phasing. POH. RDMD wirelines NOTE: Top of packer fish at 5546'.
2. Dig, line and fence a 100+ bbl earth pit or MI 100+ bbl flat bottom open top tank with gas vent line. MI Standby Safety Services (303/565-6391) having 5 Scott 30 minute airpicks, five minute escape packs for all coiled tubing/acid stimulation crew, personal H2S monitors for all personnel on location, and one safety man. MIRU 1-1/4" coiled tubing unit with injection pump. Acid stimulation company to provide eye wash station. Hook up coiled tubing injection pump to water injection line. Lay flow line from wing valve to a choke manifold having two adjustable chokes. Lay flowline from choke manifold to earth pit or flat bottom tank. Stake and chain flowline down. PT coiled tubing to 6000 psi using injection water.
3. Pickle coiled tubing with 3 bbls of 15 percent HCL acid, reverse out to tank and neutralize. RIH with 1-1/4" coiled tubing with perforation wash nozzle to 5540'. Spot 5 bbls of xylene across perforations. Wait 1 hour. Displace xylene with fresh water. Wash perforations shot in previous step without taking returns using 2 bbls/ft of 15 percent HCL acid. NOTE: All acid pumped into well to contain 2 gals/mgals corrosion inhibitor, and 10 lbs/mgals iron sequestering agent. Pump rate should be maximum injection rate at 5000 psi surface injection pressure. Overdisplace acid using fresh water. POH. RDMD coiled tubing unit and all surface equipment.
4. Pump out tank or pit and backfill as necessary. Turn well over to production leaving well shut in.

McElmo Creek Unit M-16

EXISTING



10-3/4", 32.75 lb/ft H-40
ST&C @ 1454'

2-7/8", 6.5 lb/ft J-55
EUE 8rd Fluorolined
w/Threadmaster Torque
Rings

Anchored Seal Assembly

WL set Packer @
5360'

(See Attached Packer
Detail)

CIBP @ 5565'

PERFORATIONS

5431'-5461'
5476'-5504', 5518'-5522'
5526'-5532', 5540'-5556'
5572'-5578', 5584'-5646'
7", 20/23 lb/ft J-55
LT&C @ 5710'

5710' TD
5565' PBTD

25/Aug/93
Engr.: S. S. Murphy

Note: Baker inverted Lok-Set
packer left on bottom.
Top of Fish at 5546'

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.

14-20-603-372

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 M-16

9. API Well No.

43-037-16361

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. 633, MIDLAND, TX 79702

(915) 688-2585

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

660' FSL, 660' FEL; SEC 6, T41S, R25E

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 PERFORATION 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.)*

04/26/94 MIRU CUDD CTU. TEST TO 5000#/OK. TAGGED AT 5540', SPOT XYLENE ACROSS PERFS, WAIT 1 HR, PUMP 134 BBLS 15% HCL ACID. TURNED WELL TO PROD. RDMO.

RECEIVED
MAY 6 1994
DIVISION OF
OIL GAS & MINING

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

Signed

Shelby Doad

Title

ENV. & REG. TECHNICIAN

Date

05/02/94

(This space for Federal or State office use)

Approved by

Title

Date

Tax credit
8/8/94

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

FOK.A 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.

14-20-603-372

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 M-16

9. API Well No.

43-037-16361

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. 633, MIDLAND, TX 79702

(915) 688-2585

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

660' FSL, 660' FEL; SEC 6, T41S, R25E

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

05/26/94 MIRU. REPERF WELL F/ 5518-5540, 5476-5504, AND 5448-5465 W/6 SPF. RDMO. TURNED WELL TO PROD. RDMO.

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

Signed Devin for Shirley Joss Title ENV. & REG. TECHNICIAN Date 06/02/94

(This space for Federal or State office use)

Approved by _____ Title _____ Date tax credit 8/8/94

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.

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 RJ 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,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

STATE OF UTAH
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
✓MEPNA (MOBIL	43-037-30974	G-21A	41S	24E	13	INJW	Y
✓MEPNA (MOBIL	43-037-16344	E-23	41S	24E	14	INJW	Y
✓MEPNA (MOBIL	43-037-16343	E-21	41S	24E	14	INJW	Y
✓MEPNA (MOBIL	43-037-16353	I-25	41S	24E	24	INJW	Y
✓MEPNA (MOBIL	43-037-16349	G-25	41S	24E	24	INJW	Y
✓MEPNA (MOBIL	43-037-16384	V-15	41S	25E	3	INJI	Y
✓MEPNA (MOBIL	43-037-16383	V-13	41S	25E	3	INJW	Y
✓MEPNA (MOBIL	43-037-16157	U-16	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16148	R-13	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16149	R-15	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16378	T-13	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16379	T-15	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16156	U-14	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16152	S-16	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16151	S-14	41S	25E	4	INJW	Y
✓MEPNA (MOBIL	43-037-16365	O-14	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15969	O-16	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-16363	N-15	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15966	N-13	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15975	Q-16	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15974	Q-14	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15972	P-15	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-16368	P-13	41S	25E	5	INJW	Y
✓MEPNA (MOBIL	43-037-15960	L-15	41S	25E	6	INJI	Y
✓MEPNA (MOBIL	43-037-16355	J-13	41S	25E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15959	L-13	41S	25E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15963	M-14	41S	25E	6	INJI	Y
✓MEPNA (MOBIL	43-037-15957	K-16	41S	25E	6	INJI	Y
✓MEPNA (MOBIL	43-037-15954	J-15	41S	25E	6	INJI	Y
✓MEPNA (MOBIL	43-037-15956	K-14	41S	25E	6	INJW	Y
✓MEPNA (MOBIL	43-037-16361	M-16	41S	25E	6	INJW	Y
✓MEPNA (MOBIL	43-037-15498	J-17	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15511	M-20	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15510	M-18	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15505	L-19	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16360	L-17	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15503	K-20	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16357	K-18	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-16356	J-19	41S	25E	7	INJW	Y
✓MEPNA (MOBIL	43-037-15519	P-17	41S	25E	8	INJW	Y
✓MEPNA (MOBIL	43-037-15515	N-19	41S	25E	8	INJW	Y
✓MEPNA (MOBIL	43-037-15514	N-17	41S	25E	8	INJW	Y
✓MEPNA (MOBIL	43-037-15520	P-19	41S	25E	8	INJW	Y
✓MEPNA (MOBIL	43-037-15517	O-18	41S	25E	8	INJW	Y
✓MEPNA (MOBIL	43-037-16373	R-19	41S	25E	9	INJW	Y
✓MEPNA (MOBIL	43-037-15976	R-17	41S	25E	9	INJI	Y
✓MEPNA (MOBIL	43-037-16380	T-17	41S	25E	9	INJW	Y
✓MEPNA (MOBIL	43-037-16374	R-21	41S	25E	16	INJW	Y
✓MEPNA (MOBIL	43-037-31439	P-23A	41S	25E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15516	N-21	41S	25E	17	INJW	Y
✓MEPNA (MOBIL	43-037-16369	P-21	41S	25E	17	INJW	Y
✓MEPNA (MOBIL	43-037-16364	N-23	41S	25E	17	INJW	Y
✓MEPNA (MOBIL	43-037-15507	L-23	41S	25E	18	INJW	Y

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1-LEC	7-PL ✓
2-LWP	8-SJ ✓
3-DB	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>037-16361</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)
- Yes 6. Cardex file has been updated for each well listed above. 8-21-95
- Yes 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

- Lee* 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/ Lee* 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 4 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 WIC 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.
14-20-603-372

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

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

8. Well Name and No.
M-16

9. API Well No.
43-037-16361

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 **INJECTOR**

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

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)
**660 FSL, 660 FEL
SEC. 6, T41S, R25E**

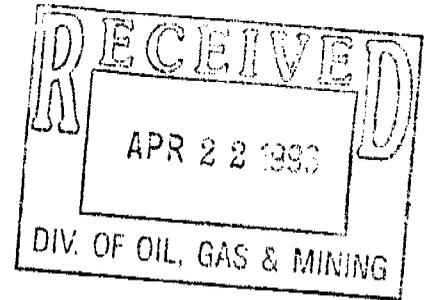
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 checked="" 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 ATTACHED PROCEDURE



**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 4-17-96

(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 M-16

WORKOVER PROCEDURE

JUSTIFICATION: M-16 developed pressure on the 7" casing string in March, 1996 and was shut-in. This well directly supports 55 BOPD of pattern production which will be lost if this workover is not completed. Estimated repair cost is \$40M making this a good workover investment. An AFE is not required for this work.

1. MIRU workover rig complete with H2S monitors. Bleed pressure off tubing and casing. NOTE: A blanking plug has already been set in the "R" profile at 5385'. PT casing to 1000 psi for 30 minutes. Five percent or less leakoff is allowed to pass MIT.
2. ND tree and NU BOP's. Send tree to Big Red Tools to be tested/inspected. Have teflon ring in bottom of tree replace. Pull 4,000 lbs tension and rotate tubing to the right to release seal assembly anchor from latch. POH laying down tubing and seal assembly. Send tubing to Permian in Odessa, Texas for inspection.
3. Monitor well overnight. If well develops pressure, Bleed pressure off and TIH with redressed seal assembly on 2-7/8" workstring, sting into packer and monitor 7" casing pressure overnight again. This will insure that a leaking blanking plug is not the source of the pressure. POH with workstring, laying down if casing passed PT in Step No 1. If packer is leaking, pull packer using workstring, retrieving tool, snubbing unit and wireline unit with lubricator to get packer out of well.
4. If PT failed in step No. 1, RIH with squeeze packer and retrievable bridge plug on 2-7/8" workstring and set RBP above perforations. PT bridge plug. Locate casing leak. Dump 400 lbs sand on top of RBP. Squeeze leak using squeeze packer and 100 sxs of Class B cement containing 2 percent CaCl2. Reverse out and POH. Drill out cement and retest leak. Resqueeze as necessary. Retrieve RBP and POH laying down workstring.
5. If packer is out of well rerun redressed packer on wireline setting at 5380'. Make gauge ring/junk basket run prior to running packer.
6. PU redressed seal assembly on reconditioned 2-7/8", 6.5 lb/ft fluorolined tubing and RIH. Reverse circulate inhibited fresh water. Latch into packer and PT backsid to 1000 psi for 30 minutes. Space out for 10,000 lbs compression. RD BOP's. NU tree. RDMD workover rig. NOTE: Tong Rentals and Bill Allmon to supervise pulling and running of flourolined tubing.
7. Perform MIT test with EPA representative to witness. Send copies of chart to Shirley Robertson, Midland, Aneth and Cortez well files. Retrieve blanking plug from R profile nipple using slickline unit if original packer is still in hole.

PREPARED BY: Sean S. Murphy

16/April/96



EXISTING/PROPOSED PACKER INSTALLATION PLAN

PREPARED FOR <i>Tony Vickery</i>			COMPANY <i>Mobil Oil</i>			DATE <i>12-22-93</i>
LEASE <i>Melmo Creek</i>	WELL NO. <i>M-16</i>	FIELD <i>Navajo Tribal</i>	CO/PARISH <i>SAN JUAN</i>	STATE <i>Utah</i>		<input type="checkbox"/> NEW COMPLETION <input checked="" type="checkbox"/> WORKOVER

INSTALLATION	ITEM	LENGTH	FROM	TO	DESCRIPTION	OD	ID
1							
2	1	10.00	-0-	10.00	Rotary Correction	4/8	4/8
3	2	30.39	10.00	40.39	1 JT 2 3/8 cement lined Tbg.	2.875	1.950
4	3	28.00	40.39	68.39	3-6' 2 3/8 cement lined Pap Jt.	2.875	1.950
5	4	5284.34	68.39	5352.73	169- Jt's 2 3/8 cement lined Tbg.	2.875	1.950
6	5	.77	5352.73	5353.50	2 3/8 316SS Tbg. Adapt.	2.875	2.00
7	6	2.61	5353.50	5356.11	3.50 Latch Seal Nipple w/PL ID	4.25	2.37
8	7	5.18	5356.11	5361.29	Seal Spc Tube w/PL ID	2.875	2.44
9	8	1.31	5361.29	5362.60	3.50 Seal Nipple w/PL ID	3.438	2.00
10	9	1.12	5362.60	5363.72	3.50 Seal Unit w/PL ID	3.438	2.00
11	10	1.12	5363.72	5364.84	3.50 316SS Seal Unit	3.438	2.00
12	11	.50	5364.84	5365.34	3.50 316SS Prod. Tube	3.438	2.00
13		6.93	5365.34	5372.27	7' x 3.5 17-20" 1/2 SET UNIT Nickel & Plastic Coated PKR.	6.125	3.5
14		4.58	5372.27	5376.85	3.50 316SS Seal Bolt Ext.	4.5	3.5
15		.59	5376.85	5377.44	4 1/2 x 2 3/8 316SS X-OVER	5.188	1.995
16		6.13	5377.44	5383.57	2 3/8 x 6' 316SS Pap Jt.	2.375	1.995
17		.79	5383.57	5384.36	1.81" GF 316SS Profile Nipple	3.063	1.812
18		6.13	5384.36	5390.49	2 3/8 x 6' 316SS Pap Jt.	2.375	1.995
19		.79	5390.49	5391.28	1.78" GR 316SS Profile Nipple	3.063	1.702
20		.55	5391.28	5391.83	2 3/8 316SS Pump Out Plug / ReEntry Guide	3.063	1.995

GENERAL REMARKS
 1. SET ON ELEC. LINE @ 5360
 2. 8' 10" RD CONN. Below Tbg. Adapt. are "AB" Modified
 Seal Units & Nipples have A.T.B. Seal Stacks & Nickled Threads
 Tbg. Landed in 1/2 K COMPRESSION
 COMPLETION FLUID TYPE AND WEIGHT
 PKR fluid

RETRIEVING METHOD - INCLUDE SHEAR RELEASE VALUE OR COLLET SNAP OUT VALUE
 TOP PACKER: @ 4,000 TENSION Rotate Rt. until Tbg comes FREE - POH w/SEAL STACK
 MIDDLE PACKER: RIM w/RETRIEVING tool & POH w/ PKR.
 LOWER PACKER:

AREA <i>M.N. N.M.</i>	OPERATOR'S NAME <i>JERRY GRANT</i>	DATE <i>12-22-93</i>	DELIVERY TICKET NUMBER <i>62717</i>
--------------------------	---------------------------------------	-------------------------	--

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.

14-20-603-372

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 UNIT M-16

9. API Well No.

43-037-16361

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 PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

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)

(SE/SE) SEC.6, T41S, R25E
660' FSL & 660' FEL

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 checked="" 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>MIT & CHART</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.)*

SCHEDULED MIT (1998 & 1999)

ATTACHED ~~RECORD~~ CHART

RECEIVED
MAR 05 1999
BUREAU OF LAND MANAGEMENT

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

Signed

Shirley Houchins

Title SHIRLEY HOUCHINS, ENV. & REG. TECH

Date

(This space for Federal or State office use)

Approved by

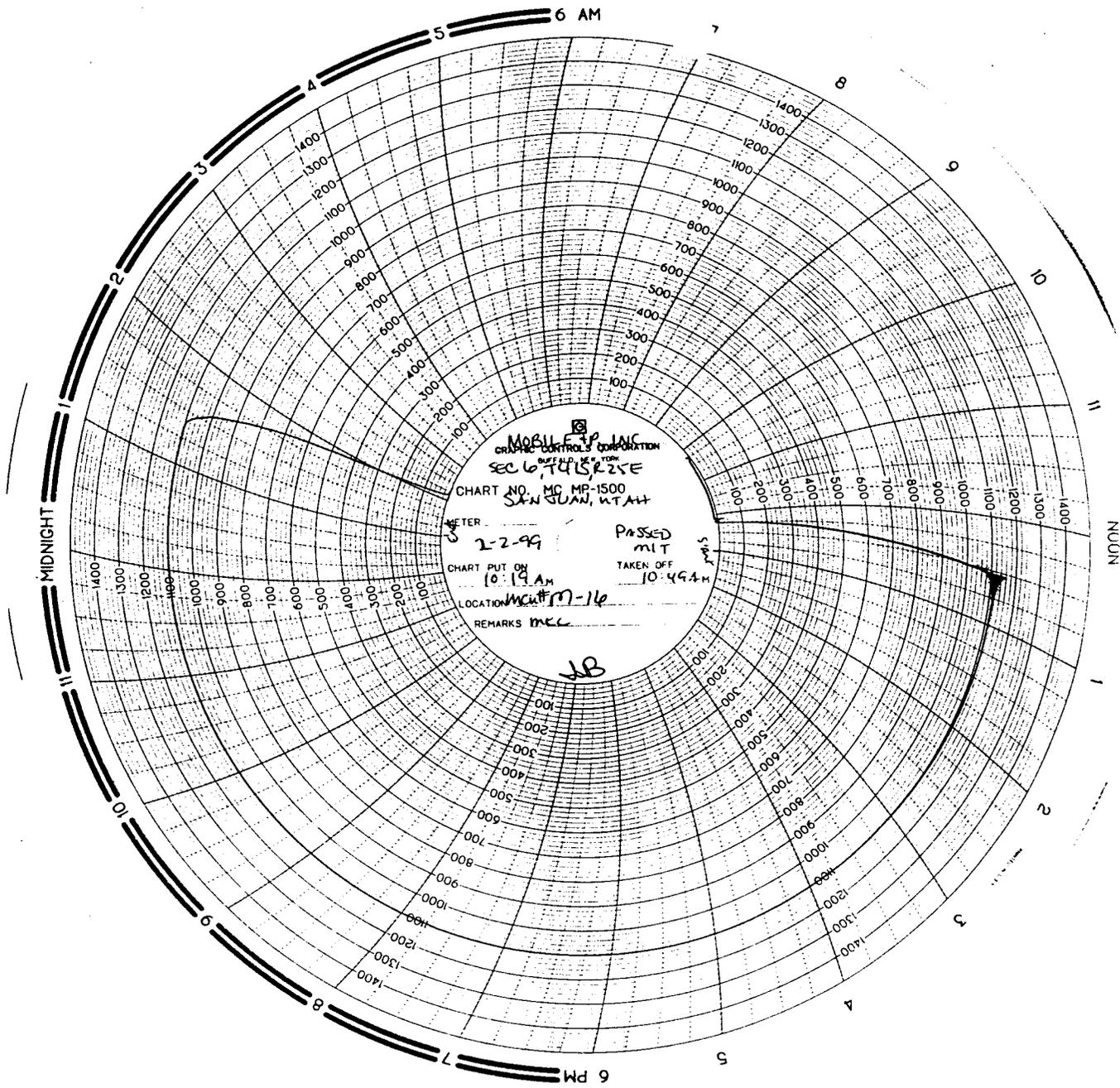
Title

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



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.

14-20-603-372

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 UNIT M-16

9. API Well No.

43-037-16361

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 PRODUCING TX & NM INC.*
*MOBIL EXPLORATION & PRODUCING US INC. AS AGENT FOR MPTM

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)

SEC. 6, T41S, R25E
660' FSL & 660' FEL

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

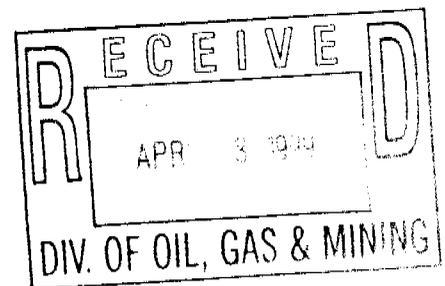
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input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

REQUEST CANCELLATION OF APPROVED WORKOVER SUNDRY 4-19-96.

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 Houchins

Title SHIRLEY HOUCHINS, ENV. & REG. TECH

Date 04-06-99

(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

Farmington Field Office
1235 La Plata Highway
Farmington, New Mexico 87401

IN REPLY REFER TO:

MAR 11 1999

14-20-603-372 (WC)
3162.3-2 (7100)

Ms Shirley Houchins
Mobil Oil Corp.
PO Box 633
Midland, TX 79702

Dear Ms Houchins:

Reference is made to your well No. M-16 McElmo Creek Unit located 660' FSL & 660' FEL sec. 6, T. 41 S., R. 25 E., San Juan County, Utah, Lease 14-20-603-372. Also referenced is your Sundry Notice approved on April 19, 1996, which requested approval to work over the well. If the work has been completed, you are required to submit a subsequent report. If the work over has not been completed, you are required to complete the work and submit a subsequent report by April 15, 1999.

Failure to comply within the time above may result in an assessment in accordance with 43 CFR 3163.1.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the orders described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such requests shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 et seq.

If you have any questions please contact Stephen Mason with this office at (505) 599-6364.

Sincerely,

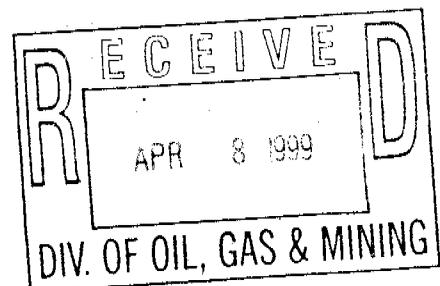
Chip Harraden

acting for Duane Spencer

Team Leader; Petroleum Management Team

cc:

BIA, Window Rock
Navajo Nation Minerals Dept.



June 27, 2001

ExxonMobil
Production

Mr. Jim Thompson
State of Utah, Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

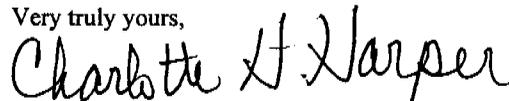
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

RECEIVED

JUN 29 2001

DIVISION OF
OIL AND GAS AND MINING



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Navajo Area Office
NAVAJO REGION

P.O. Box 1060
Gallup, New Mexico 87305-1060

AUG 30 2001

IN REPLY REFER TO:

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor
Exxon Mobil Production Company
U. S. West
P. O. Box 4358
Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

DEMMI DENETSONE

Regional Realty Officer

cc: BLM, Farmington Field Office w/enclosures ✓
Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

MINERAL RESOURCES	
ADM 1	<u>DTM</u>
NATV AM MIN COORD	_____
SOLID MIN TEAM	_____
PETRO MIN TEAM	<u>2</u>
O & G INSPECT TEAM	_____
ALL TEAM LEADERS	_____
LAND RESOURCES	_____
ENVIRONMENT	_____
FILES	_____

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

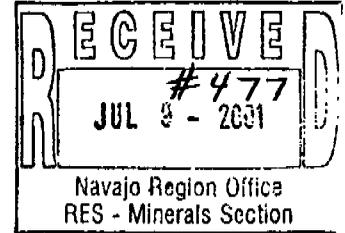
ps 7/12/2001
GA
543
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone
United States Department of the Interior
Bureau of Indian Affairs, Navajo Region
Real Estate Services
P. O. Box 1060
Gallup, New Mexico 87305-1060
Mail Code 543



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

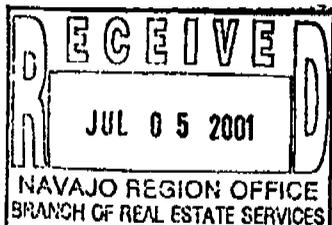
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



ExxonMobil Production Company
a division of Exxon Mobil Corporation,
acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Issac

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

Gentlemen:

The current listing of officers and director of ExxonMobil Oil Corporation (Name of Corporation), of New York (State) is as follows:

OFFICERS

President	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Vice President	<u>K.T. Koonce</u>	Address <u>800 Bell Street Houston, TX 77002</u>
Secretary	<u>F.L. Reid</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Treasure	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

DIRECTORS

Name	<u>D.D. Humphreys</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>P.A. Hanson</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>T.P. Townsend</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>B.A. Maher</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>
Name	<u>F.A. Risch</u>	Address <u>5959 Las Colinas Blvd. Irving, TX 75039</u>

Sincerely,



Alex Correa

This is to certify that the above information pertaining to ExxonMobil Oil Corporation (Corporation) is true and correct as evidenced by the records and accounts covering business for the State of Utah and in the custody of Corporation Service Company (Agent), Phone: 1 (800) 927-9800 whose business address is One Utah Center, 201 South Main Street, Salt Lake City, Utah 84111-2218



Signature

AGENT AND ATTORNEY IN FACT

Title

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

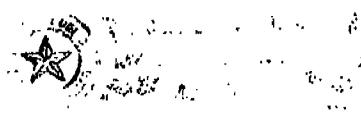
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Milligan
Assistant Secretary

COUNTY OF DALLAS)
STATE OF TEXAS)
UNITED STATES OF AMERICA)

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

Janice M. Phillips
Notary Public



LISTING OF LEASES OF MOBIL OIL CORPORATION

Lease Number

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14) 14-20-603-372
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447
- 18) 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

One Chubb Plaza, South Tower, Suite 1900, Houston, Texas 77027-3507
Telephone: (713) 297-4600 • Facsimile: (713) 297-4750

NW Bond

FEDERAL INSURANCE COMPANY RIDER
to be attached to and form a part of

BOND NO 8027 31 97

wherein

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is
named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of **United States of America, Department of the Interior**
Bureau of Indian Affairs

in the amount of **\$150,000.00**
bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001
the name of the Principal is changed

FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Oil Corporation
By: 

FEDERAL INSURANCE COMPANY
By: 
Mary Pierson, Attorney-in-fact



**Chubb
Surety**

**POWER
OF
ATTORNEY**

**Federal Insurance Company
Vigilant Insurance Company
Pacific Indemnity Company**

**Attn.: Surety Department
15 Mountain View Road
Warren, NJ 07059**

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint R.F. Bobo, Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas-----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 10th day of May, 2001.

Kenneth C. Wendel
Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.
County of Somerset

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Kenneth C. Wendel being by me duly sworn, did depose and say that he is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed said Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Vice President of said Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, and was thereto subscribed by authority of said Companies in the presence of the deponent's presence.



Notary Public State of New Jersey
No. 2231647
Commission Expires Oct 28, 2004

Karen A. Price
Notary Public

Extract from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

- (i) the foregoing extract of the By-Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Treasury Department; further, Federal and Vigilant are licensed in Puerto Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guam, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001



Kenneth C. Wendel
Kenneth C. Wendel, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

5184334741

06/01 '01 08:46 NO.410 03/05

CSC

06/01 '01 09:06 NO.135 02/04

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected by this Certificate are as follows:

(a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:

"1st The corporate name of said Company shall be,
ExxonMobil Oil Corporation",

(b) Article 7th of the Certificate of Incorporation, relating to the office of the corporation is hereby amended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 07:06 NO.133 03/04

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

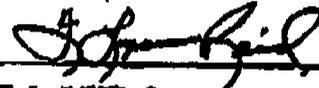
IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



F. A. Ritch, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

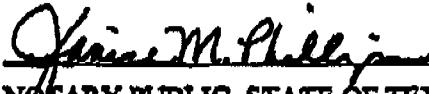
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.



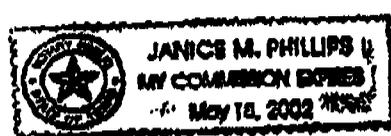
F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 22nd day of May, 2001.

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



CSC
CSC

5184334741

06/01 '01 09:01 NO. 411 02/02
06/01 '01 09:00 NO. 132 04/04
F010601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

100 cc

**STATE OF NEW YORK
DEPARTMENT OF STATE**

Filed by: **EXXONMOBIL CORPORATION**
(Name)

FILED JUN 01 2001

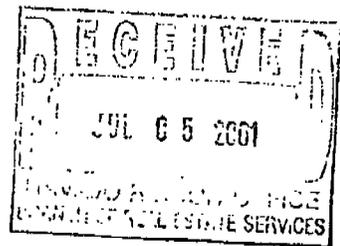
5959 Las Colinas Blvd.
(Mailing address)

TAX \$ _____
BY: *SAC*

Irving, TX 75039-2298
(City, State and Zip code)

ny Albany

Cost Ref # 165578 MPJ



010601000195

State of New York)
Department of State } ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on **JUN 01 2001**



A handwritten signature in black ink, appearing to read "J. Leub", is written over a horizontal line.

Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **06-01-2001**

FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No. Unit: MCELMO CREEK

WELL(S)	SEC TWN	API NO	ENTITY	LEASE	WELL	WELL
NAME	RNG		NO	TYPE	TYPE	STATUS
NAVAJO C 42-6 (MCELMO CREEK M-14)	06-41S-25E	43-037-15963	99990	INDIAN	WI	A
NAVAJO C 11-6 (MCELMO CREEK J-13)	06-41S-25E	43-037-16355	99990	INDIAN	WI	A
NAVAJO C-2 (MCELMO CREEK M-16)	06-41S-25E	43-037-16361	99990	INDIAN	WI	A
NAVAJO 114-6 (MCELMO CREEK J-17)	07-41S-25E	43-037-15498	99990	INDIAN	WI	A
MCELMO CR K-20	07-41S-25E	43-037-15503	5980	INDIAN	WI	A
MCELMO CR L-19	07-41S-25E	43-037-15505	99990	INDIAN	WI	A
MCELMO CR M-18	07-41S-25E	43-037-15510	5980	INDIAN	WI	A
MCELMO CR M-20	07-41S-25E	43-037-15511	5980	INDIAN	WI	A
MCELMO CR J-19	07-41S-25E	43-037-16356	99990	INDIAN	WI	A
NAVAJO 114-18 (MCELMO CREEK K-18)	07-41S-25E	43-037-16357	99990	INDIAN	WI	A
NAVAJO 114-9 (MCELMO CREEK L-17)	07-41S-25E	43-037-16360	99990	INDIAN	WI	A
NAVAJO 114-1 (MCELMO CREEK N-17)	08-41S-25E	43-037-15514	99990	INDIAN	WI	A
NAVAJO 114-2 (MCELMO CREEK N-19)	08-41S-25E	43-037-15515	99990	INDIAN	WI	A
NAVAJO 114-11 (MCELMO CREEK O-18)	08-41S-25E	43-037-15517	99990	INDIAN	WI	A
NAVAJO 114-10 (MCELMO CREEK P-17)	08-41S-25E	43-037-15519	99990	INDIAN	WI	A
NAVAJO 114-4 (MCELMO CREEK P-19)	08-41S-25E	43-037-15520	99990	INDIAN	WI	A
NAVAJO J 11-9 (MCELMO CREEK R-17)	09-41S-25E	43-037-15976	99990	INDIAN	WI	A
NAVAJO J-2 (MCELMO CREEK R-19)	09-41S-25E	43-037-16373	99990	INDIAN	WI	A
NAVAJO J 31-9 (MCELMO CREEK T-17)	09-41S-25E	43-037-16380	99990	INDIAN	WI	A
NAVAJO J 11-16 (MCELMO CREEK R-21)	16-41S-25E	43-037-16374	99990	INDIAN	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
5. If **NO**, the operator was contacted on: N/A

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001

8. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 04/16/2002

NOTE: EPA ISSUES UIC PERMITS

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/16/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/16/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 80273197

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		6/1/2006
FROM: (Old Operator): N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936	TO: (New Operator): N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600	
CA No.	Unit:	MC ELMO (UIC)

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
- If **NO**, the operator was contacted on:
- (R649-9-2)Waste Management Plan has been received on: requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/12/2006

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/22/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/22/2006
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: 6/22/2006
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: n/a
- Indian well(s) covered by Bond Number: PA002769
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See attached list	API Number Attached
Location of Well Footage : See attached list County : San Juan	Field or Unit Name McElmo Creek Unit
QQ, Section, Township, Range: State : UTAH	Lease Designation and Number See attached list

EFFECTIVE DATE OF TRANSFER: 6/1/2006

CURRENT OPERATOR

Company: Exxon Mobil Oil Corporation Name: _____
 Address: PO Box 4358 Signature: _____
city Houston state TX zip 77210-4358 Title: _____
 Phone: (281) 654-1936 Date: _____
 Comments: Exxon Mobil has submitted a separate, signed copy of UIC Form 5

NEW OPERATOR

Company: Resolute Natural Resources Company Name: Dwight E Mallory
 Address: 1675 Broadway, Suite 1950 Signature: [Signature]
city Denver state CO zip 80202 Title: Regulatory Coordinator
 Phone: (303) 534-4600 Date: 4/26/2006
 Comments: A list of affected UIC wells is attached.
 New bond numbers for these wells are:
 BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by: [Signature]
 Title: Field Operations Manager

Approval Date: 6/12/06

Comments:

RECEIVED
APR 24 2006
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		7. UNIT or CA AGREEMENT NAME: McElmo Creek Unit
2. NAME OF OPERATOR: Resolute Natural Resources Company <i>N2700</i>		8. WELL NAME and NUMBER: See attached list
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202		9. API NUMBER: Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached list		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input checked="" type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: _____
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 1, 2006 Exxon Mobil Oil Corporation resigns as operator of the McElmo Creek Unit. Also effective June 1, 2006 Resolute Natural Resources Company is designated as successor operator of the McElmo Creek Unit.

A list of affected producing and water source wells is attached. A separate of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, bond coverage for the affected wells will transfer to BIA Bond # PA002769.

NAME (PLEASE PRINT) <u>Dwight E Mallory</u>	TITLE <u>Regulatory Coordinator</u>
SIGNATURE	DATE <u>4/20/2006</u>

(This space for State use only)

APPROVED 6122106
Earlene Russell
Division of Oil, Gas and Mining (See Instructions on Reverse Side)
Earlene Russell, Engineering Technician

RECEIVED
APR 24 2006
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <u>N1855</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <u>Ship Rock</u>
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77210-4358</u>		7. UNIT or CA AGREEMENT NAME: <u>UTU68930A</u>
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: <u>San Juan</u> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: <u>UTAH</u>		8. WELL NAME and NUMBER: <u>McElmo Creek</u>
PHONE NUMBER: <u>(281) 654-1936</u>		9. API NUMBER: <u>attached</u>
		10. FIELD AND POOL, OR WILDCAT: <u>Aneth</u>

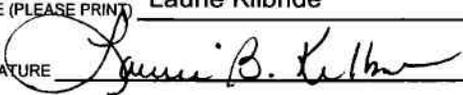
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/1/2006</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ExxonMobil Oil Corporation is transferring operatorship of Greater Aneth field, McElmo Creek lease to Resolute Natural Resources Company. All change of operator notices should be made effective as of 7:00 AM MST on June 1, 2006.

Attached please find a listing of injection wells included in the transfer.

NAME (PLEASE PRINT) <u>Laurie Kilbride</u>	TITLE <u>Permitting Supervisor</u>
SIGNATURE 	DATE <u>4/19/2006</u>

(This space for State use only)

APPROVED 6/22/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
APR 21 2006

DIV. OF OIL, GAS & MINING

GREATER ANETH FIELD UIC WELL LIST
McElmo Creek lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
MCELMO CREEK	H11	430371635000S1	Active	14-20-0603-6145	NW	SE	36	40S	24E	1855FSL	2100FEL
MCELMO CREEK	I12	430371561900S1	Active	14-20-0603-6145	SE	SE	36	40S	24E	0595FSL	0595FEL
MCELMO CREEK	F11	430371561700S1	Shut-in	14-20-0603-6146	NW	SW	36	40S	24E	1885FSL	0820FWL
MCELMO CREEK	G12	430371561800S1	Active	14-20-0603-6146	SE	SW	36	40S	24E	1910FNL	2051FWL
MCELMO CREEK	D15	430371634100S1	Active	14-20-0603-6147	NW	SE	2	41S	24E	1830FSL	1830FEL
MCELMO CREEK	A17	430371633800S1	Active	14-20-0603-6148	NE	NE	10	41S	24E	1270FNL	0660FEL
MCELMO CREEK	C14	430371626500S1	Active	14-20-0603-6509	SE	NW	2	41S	24E	2140FNL	2140FWL
MCELMO CREEK	D13	430371626700S1	Active	14-20-0603-6510	NW	NE	2	41S	24E	0820FNL	1920FEL
MCELMO CREEK	E14	430371626800S1	Active	14-20-0603-6510	SE	NE	2	41S	24E	2050FNL	0500FEL
MCELMO CREEK	T08	430371637700S1	Shut-in	14-20-603-2048A	SW	SE	28	40S	25E	0660FSL	1980FEL
MCELMO CREEK	R09	430371614700S1	Active	14-20-603-2057	NW	NW	33	40S	25E	0500FNL	0625FWL
MCELMO CREEK	R11A	430373017900S1	Active	14-20-603-2057	NW	SW	33	40S	25E	2030FSL	0680FWL
MCELMO CREEK	R13	430371614800S1	Active	14-20-603-2057	NW	NW	4	41S	25E	0660FNL	0660FWL
MCELMO CREEK	R15	430371614900S1	Active	14-20-603-2057	NW	SW	4	41S	25E	1990FSL	0500FWL
MCELMO CREEK	S10	430371637500S1	Active	14-20-603-2057	SE	NW	33	40S	25E	1980FNL	1980FWL
MCELMO CREEK	S12	430371615000S1	Active	14-20-603-2057	SE	SW	33	40S	25E	0645FSL	2140FWL
MCELMO CREEK	S14	430371615100S1	Active	14-20-603-2057	SE	NW	4	41S	25E	2005FNL	1820FWL
MCELMO CREEK	S16	430371615200S1	Active	14-20-603-2057	SE	SW	4	41S	25E	0700FSL	1820FWL
MCELMO CREEK	T09A	430373008000S1	Active	14-20-603-2057	NW	NE	33	40S	25E	0940FNL	2035FEL
MCELMO CREEK	T13	430371637800S1	Active	14-20-603-2057	NW	NE	4	41S	25E	0500FNL	2090FEL
MCELMO CREEK	T15	430371637900S1	Active	14-20-603-2057	NW	SE	4	41S	25E	1880FSL	1890FEL
MCELMO CREEK	U10	430371638100S1	Active	14-20-603-2057	SE	NE	33	40S	25E	1980FNL	0610FSL
MCELMO CREEK	U12	430371615500S1	Active	14-20-603-2057	SE	SE	33	40S	25E	0660FSL	0805FEL
MCELMO CREEK	U14	430371615600S1	Active	14-20-603-2057	SE	NE	4	41S	25E	1980FNL	0660FEL
MCELMO CREEK	U16	430371615700S1	Active	14-20-603-2057	SE	SE	4	41S	25E	0550FSL	0745FEL
MCELMO CREEK	V13	430371638300S1	Active	14-20-603-2057	NW	NW	3	41S	25E	0660FNL	0660FWL
MCELMO CREEK	V15	430371638400S1	Active	14-20-603-2057	NW	SW	3	41S	25E	1980FSL	0560FWL
MCELMO CREEK	J17	430371549800S1	Active	14-20-603-263	NW	NW	7	41S	25E	0820FNL	0550FWL
MCELMO CREEK	J19	430371635600S1	Active	14-20-603-263	NW	SW	7	41S	25E	2056FNL	1997FWL
MCELMO CREEK	J21	430371549900S1	Active	14-20-603-263	NW	NW	18	41S	25E	0400FNL	0575FWL
MCELMO CREEK	K18	430371635700S1	Active	14-20-603-263	SE	NW	7	41S	25E	1830FNL	1808FWL
MCELMO CREEK	K20	430371550300S1	Active	14-20-603-263	SE	SW	7	41S	25E	0660FSL	1810FWL
MCELMO CREEK	K22X	430373040000S1	Active	14-20-603-263	SE	NW	18	41S	25E	2082FNL	1588FWL
MCELMO CREEK	K24	430371635800S1	Active	14-20-603-263	SE	SW	18	41S	25E	0660FSL	1801FWL
MCELMO CREEK	L17	430371636000S1	Active	14-20-603-263	NW	NE	7	41S	25E	0660FNL	1980FEL
MCELMO CREEK	L19	430371550500S1	Active	14-20-603-263	NW	SE	7	41S	25E	1860FSL	2140FEL
MCELMO CREEK	L21	430371550600S1	Active	14-20-603-263	NW	NE	18	41S	25E	0820FNL	1980FEL
MCELMO CREEK	L23	430371550700S1	Active	14-20-603-263	NW	SE	18	41S	25E	1980FSL	1980FEL
MCELMO CREEK	M18	430371551000S1	Active	14-20-603-263	SE	NE	7	41S	25E	1850FNL	0790FEL
MCELMO CREEK	M20	430371551100S1	Shut-in	14-20-603-263	SE	SE	7	41S	25E	0660FSL	0660FEL
MCELMO CREEK	N17	430371551400S1	Active	14-20-603-263	NW	NW	8	41S	25E	0810FNL	0660FWL
MCELMO CREEK	N19	430371551500S1	Active	14-20-603-263	NW	SW	8	41S	25E	1850FSL	0500FWL
MCELMO CREEK	N21	430371551600S1	Active	14-20-603-263	NW	NW	17	41S	25E	0660FNL	0660FWL
MCELMO CREEK	O18	430371551700S1	Active	14-20-603-263	SE	NW	8	41S	25E	1830FNL	1890FWL
MCELMO CREEK	P17	430371551900S1	Active	14-20-603-263	NW	NE	8	41S	25E	0660FNL	1980FEL

GREATER ANETH FIELD UIC WELL LIST
McElmo Creek lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location							
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot	
MCELMO CREEK	P19	430371552000S1	Active	14-20-603-263	NW	SE	8	41S	25E	2140FSL	1980FEL	
MCELMO CREEK	P21	430371636900S1	Active	14-20-603-263	NW	NE	17	41S	25E	0660FNL	1980FEL	
MCELMO CREEK	P23A	430373143900S1	Active	14-20-603-263	SW	NE	17	41S	25E	2531FNL	2325FEL	
MCELMO CREEK	L25	430371550800S1	Active	14-20-603-264	NW	NE	19	41S	25E	0660FNL	1980FEL	
MCELMO CREEK	R17	430371597600S1	Active	14-20-603-359	NW	NW	9	41S	25E	0740FNL	0560FWL	
MCELMO CREEK	R19	430371637300S1	Active	14-20-603-359	NW	SW	9	41S	25E	1980FSL	0660FWL	
MCELMO CREEK	R21	430371637400S1	Active	14-20-603-359	NW	NW	16	41S	25E	0511FNL	0562FWL	
MCELMO CREEK	T17	430371638000S1	Active	14-20-603-359	NW	NE	9	41S	25E	0675FNL	1933FEL	
MCELMO CREEK	E21	430371634300S1	Active	14-20-603-370	NE	NE	14	41S	24E	0660FNL	0660FEL	
MCELMO CREEK	E23	430371634400S1	Active	14-20-603-370	NE	SE	14	41S	24E	2031FSL	0711FEL	
MCELMO CREEK	G21A	430373097400S1	Active	14-20-603-370	NE	NW	13	41S	24E	0867FNL	1883FWL	
MCELMO CREEK	G23	430371634800S1	Shut-in	14-20-603-370	NE	SW	13	41S	24E	2092FSL	1899FWL	
MCELMO CREEK	G25	430371634900S1	Active	14-20-603-370	NE	NW	24	41S	24E	0660FNL	1980FWL	
MCELMO CREEK	I23	430371635200S1	Active	14-20-603-370	NE	SE	13	41S	24E	1980FSL	0660FEL	
MCELMO CREEK	I25	430371635300S1	Active	14-20-603-370	NE	NE	24	41S	24E	0530FNL	0820FEL	
MCELMO CREEK	J11	430371635400S1	TA'd	14-20-603-372	NW	SW	31	40S	25E	1980FSL	0660FWL	
MCELMO CREEK	J13	430371635500S1	Active	14-20-603-372	NW	NW	6	41S	25E	0621FNL	0580FWL	
MCELMO CREEK	J15	430371595400S1	Active	14-20-603-372	NW	SW	6	41S	25E	1980FSL	0500FWL	
MCELMO CREEK	K12	430371595500S1	Active	14-20-603-372	SW	SW	31	40S	25E	0670FSL	1970FWL	
MCELMO CREEK	K14	430371595600S1	Active	14-20-603-372	SE	NW	6	41S	25E	1851FNL	1885FWL	
MCELMO CREEK	K16	430371595700S1	Active	14-20-603-372	SE	SW	6	41S	25E	0660FSL	1816FWL	
MCELMO CREEK	L09	430371635900S1	Active	14-20-603-372	NW	NE	31	40S	25E	0660FNL	1980FEL	
MCELMO CREEK	L13	430371595900S1	Active	14-20-603-372	NW	NE	6	41S	25E	0778FNL	1917FEL	
MCELMO CREEK	L15	430371596000S1	Active	14-20-603-372	NW	SE	6	41S	25E	1820FSL	1830FEL	
MCELMO CREEK	M10	430371596100S1	Shut-in	14-20-603-372	SE	NE	31	40S	25E	1980FNL	0530FEL	
MCELMO CREEK	M12	430371596200S1	Active	14-20-603-372	SE	SE	31	40S	25E	0590FSL	0585FEL	
MCELMO CREEK	M14	430371596300S1	Active	14-20-603-372	SE	NE	6	41S	25E	2089FNL	0773FEL	
MCELMO CREEK	M16	430371636100S1	Active	14-20-603-372	SE	SE	6	41S	25E	0660FSL	0660FEL	
MCELMO CREEK	N09	430371596400S1	Shut-in	14-20-603-372	NW	NW	32	40S	25E	0628FNL	0615FWL	
MCELMO CREEK	N11	430371596500S1	Active	14-20-603-372	NW	SW	32	40S	25E	2069FSL	0618FWL	
MCELMO CREEK	N13	430371596600S1	Active	14-20-603-372	NW	NW	5	41S	25E	0840FNL	0505FWL	
MCELMO CREEK	N15	430371636300S1	Active	14-20-603-372	NW	SW	5	41S	25E	2140FSL	820FWL	
MCELMO CREEK	O12	430371596800S1	Active	14-20-603-372	SE	SW	32	40S	25E	0809FSL	1832FWL	
MCELMO CREEK	O14	430371636500S1	Active	14-20-603-372	SE	NW	5	41S	25E	2056FNL	1997FWL	
MCELMO CREEK	O16	430371596900S1	Active	14-20-603-372	SE	SW	5	41S	25E	0660FSL	1980FWL	
MCELMO CREEK	P09	430371636700S1	Active	14-20-603-372	NW	NE	32	40S	25E	0598FNL	2100FEL	
MCELMO CREEK	P11	430371597101S2	Active	14-20-603-372	NW	SE	32	40S	25E	2105FSL	2006FEL	
MCELMO CREEK	P13	430371636800S1	Active	14-20-603-372	NW	NE	5	41S	25E	0610FNL	1796FWL	
MCELMO CREEK	P15	430371597200S1	Active	14-20-603-372	NW	SE	5	41S	25E	1980FSL	1980FEL	
MCELMO CREEK	Q10	430371597301S1	Active	14-20-603-372	SE	NE	32	40S	25E	1899FNL	0532FEL	
MCELMO CREEK	Q16	430371597500S1	TA'd	14-20-603-372	SE	SE	5	41S	25E	0660FSL	0660FEL	
MCELMO CREEK	F13	430371634500S1	Active	14-20-603-4032	NW	NW	1	41S	24E	0795FNL	0535FWL	
MCELMO CREEK	F15A	430373114900S1	Active	14-20-603-4032	NW	SW	1	41S	24E	1920FSL	0624FWL	
MCELMO CREEK	G14	430371614300S1	Active	14-20-603-4032	SE	NW	1	41S	24E	1980FNL	1980FWL	
MCELMO CREEK	G16	430371614400S1	Active	14-20-603-4032	SE	SW	1	41S	24E	0820FSL	1820FWL	
MCELMO CREEK	H13	430371635100S1	Active	14-20-603-4032	NW	NE	1	41S	24E	0540FNL	2110FEL	
MCELMO CREEK	I-14	430371614500S1	Active	14-20-603-4032	SE	NE	1	41S	24E	1980FNL	0660FEL	

GREATER ANETH FIELD UIC WELL LIST
McElmo Creek lease, San Juan County, Utah

Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Surface Location						
					Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
MCELMO CREEK	F17	430371549300S1	Active	14-20-603-4039	NW	NW	12	41S	24E	0740FNL	0500FWL
MCELMO CREEK	G18	430371549400S1	Active	14-20-603-4039	SE	NW	12	41S	24E	1980FNL	1980FWL
MCELMO CREEK	H15	430371549500S1	Active	14-20-603-4039	NW	SE	1	41S	24E	1980FSL	1980FEL
MCELMO CREEK	H17	430371549600S1	Active	14-20-603-4039	NE	NW	12	41S	24E	0660FNL	1980FEL
MCELMO CREEK	I18	430371570900S1	Active	14-20-603-4495	SE	NE	12	41S	24E	1840FNL	0555FEL
MCELMO CREEK	E19	430371634200S1	Shut-in	14-20-603-5449	NE	SE	11	41S	24E	1980FSL	0660FEL
MCELMO CREEK	G19	430371634600S1	Active	14-20-603-5450	NE	SW	12	41S	24E	1350FSL	1800FWL
MCELMO CREEK	I20	430371571000S1	Active	14-20-603-5451	SE	SE	12	41S	24E	0990FSL	0500FEL
MCELMO CREEK	N07	430371636200S1	Active	I-149-IND-8839	NE	SW	29	40S	25E	2083FSL	745FWL
MCELMO CREEK	P07	430371636600S1	Active	I-149-IND-8839	NW	SE	29	40S	25E	1820FSL	2140FEL
MCELMO CREEK	O10	430371596700S1	Active	NOG99041325	SE	NW	32	40S	25E	2086FNL	1944FWL

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-372
---	---

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
--	--

1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: NAVAJO C-2 (MCELMO M-16)
--	---

2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037163610000
---	---

3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202	PHONE NUMBER: 303 534-4600 Ext	9. FIELD and POOL or WILDCAT: GREATER ANETH
--	--	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 06 Township: 41.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/14/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute proposes to attempt tubing and or UIC repairs on the subject well to enhance oil production. The proposed procedure and well bore schematic are attached.

Accepted by the Utah Division of Oil, Gas and Mining

Date: February 12, 2014

By:

NAME (PLEASE PRINT) Sherry Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 2/7/2014	

RESOLUTE

NATURAL RESOURCES

MCU M-16
660' FSL, 660' FEL
SESE section 6-T41S-R25E
43-037-16361
UIC Repair

Job Scope

Job Scope includes: Pull & replace tubing & injection packer, Acidize, RDMO.
Acid planned? Y; Change of tubing size? N; Paraffin expected? N

Work History

5/10/2011: Recompletion - Pulled tubing, recovered packer, milled over & recovered inverted Lokset pkr from rathole, milled thru CIBP, cleaned out to 5680' in 7"; ran Csg Inspection Logs 5681 - 5350'; perforated 52' total DC-IIC @ 6 SPF, acidized w/5800 gal 28% HCl, ran new AS-1X pkr & new 2-7/8 tubing string.
2/10/2012: Tested secondary seal on wellhead to 2000 psi for 10 min - good test. 2/17/12 passed witnessed MIT.
4/25/2012: Workover - Pulled tubing & packer; Ran new AS 1-X pkr & TK FL tubing string.
6/26/2012: Ran Slickline tagged fill at 5623' KB; PBD @ 5680' KB; Perfs 5431-5646'.
9/26/2012: RA Injection Profile - tagged fill at 5626' KB; EOT @ 5344' KB; 54' of fill above PBD.
4/16/2013: CTU Cleanout & Acid - Cleaned out 35' of fill from 5646' to 5681' CTM (PBD 5680'); Btm perf at 5646' KB; Acidized w/2000 gal 20% HCl; ISIP₁₅ = 545 psi. Injection rate improved from ~zero pre-CTU to 2300 bwipd at 28% choke in June 2013, then declined rapidly from there.
Recent Injectivity: Jan 2014 avg 395 bwipd @ 2683 TP prior to shut in for CP on Jan 17, 2014.

Horsley Witten: No

Procedure

1. MIRU WSU, LOTO.
2. Establish KWF & kill well as necessary.
3. ND WH, NU BOPE. PT BOP against landing donut.
4. POOH with 2-7/8" TKFL tbg & AS-1X packer, standing back tbg. Tubing & pkr were run April 2012.
5. PU workstring & make bit & scraper run to ~5420' & circ clean. POOH. Make bit only CO trip to 5680' PBD. NOTE: CIL on 7-12-11 indicated no casing left at several intervals below 5454' - see WBD details.
6. POOH w/bit. RU E-line & run casing inspection log 5450' back to surface.
7. RIH w/new 7" AS-1X packer ass'y w/1.81 plug in place on WS. Set packer at ~5330' KB, actual depth per CIL.
8. PT the tubing & plug to 3000 psi. Bleed off pressure.

9. Jay off packer & circ wellbore from KWF to fresh water. Perform mock MIT on csg, pkr & plug to 1050 psi/30 min.
10. Prepare to acidize w/1000 gal (23.8 bbls) 20% inhibited HCl by jaying back onto the packer, RU WL. Shear out & retrieve 1.81 plug. RD WL.
11. Backflow the tubing for ~100 bbls or until clean fluid appears. Jay off packer & spot acid to end of WS, jay back onto packer. Put 500 psi on the backside & pump acid away at max rate possible with 3000 TP. Monitor backside pressure.
12. Overdisplace the acid by pumping WS volume plus 25 bbls fresh water. Shut down and record 5, 10, & 15 min SIP's.
13. RU WL & re-set the 1.81 plug at on/off tool depth. RD WL.
14. Jay off & circulate the wellbore; POOH, laying down workstring.
15. PU and RIH with 2-7/8 TK - KC injection tubing & new on/off tool, circulate packer fluid, jay onto packer, space out & land tbg.
16. Perform mock MIT after landing tbg.
17. ND BOP, NU WH.
18. MIRU slickline unit. Test lubricator to 2500 psi.
19. RIH gauge ring, shear plug, and retrieve 1.81 plug. RDMO slickline unit.
20. Schedule witnessed MIT w/NNEPA.
21. RD WSU. Backflow tubing & lateral line while rigging down.
22. Notify the Area Injection Supervisor Pierce Benally 435 619-7234 that well is ready to return to injection.

McELMO CREEK UNIT # M-16

GREATER ANETH FIELD

660' FSL & 660' FEL

SEC 6-T41S-R25E

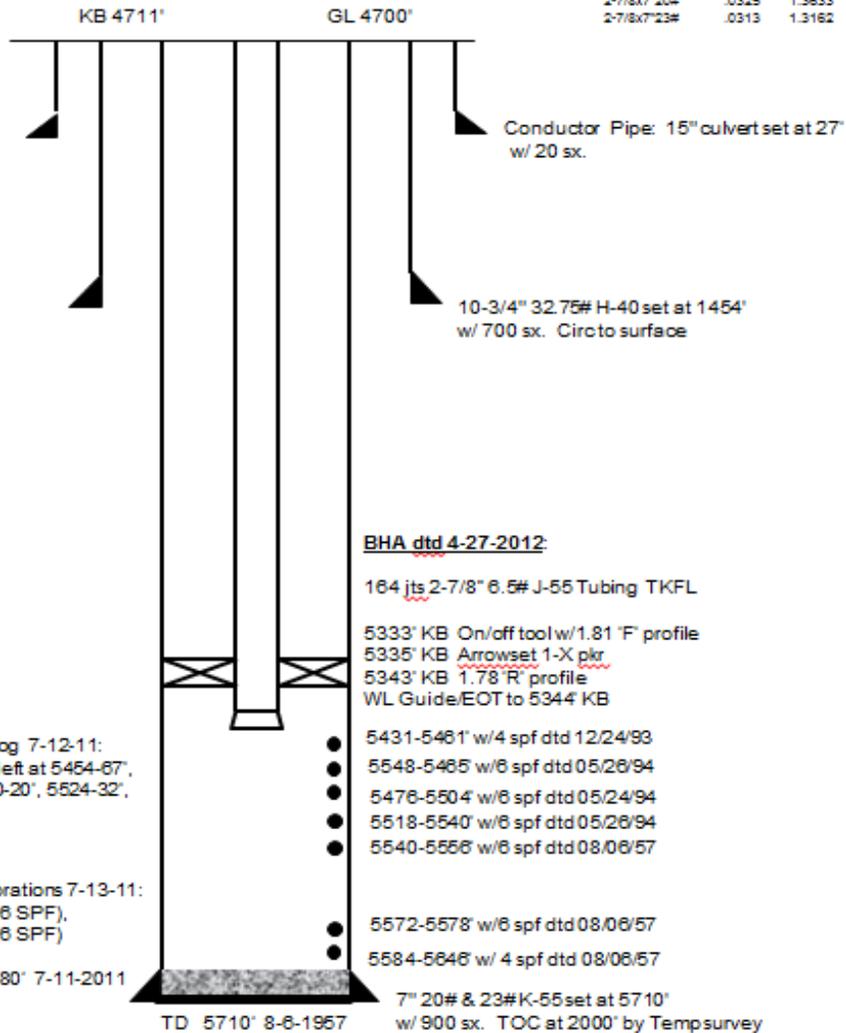
SAN JUAN COUNTY, UTAH

API 43-037-16361

PRISM 0000310

INJECTOR

Capacities:	bbl/ft	gal/ft	cuft/ft
2-7/8" 6.5#	.00579	.2431	.0325
7" 20#	.0404	1.7005	.2273
7" 23#	.0393	1.6535	.2210
2-7/8x7"20#	.0325	1.3633	.1822
2-7/8x7"23#	.0313	1.3162	.1780



Csg Inspection Log 7-12-11:
 Indicates no csg left at 5454-67',
 5494-5506', 5510-20', 5524-32',
 5593-5649.

New DC-IIC perforations 7-13-11:
 5571-97 (26' @ 6 SPF),
 5619-45 (26' @ 6 SPF)

NEW PBDT 5680' 7-11-2011

G.L.M. 11/04/02 MCU#M-16

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-372
---	---

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7.UNIT or CA AGREEMENT NAME: MCELMO CREEK
--	---

1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: NAVAJO C-2 (MCELMO M-16)
--	---

2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037163610000
---	---

3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202	PHONE NUMBER: 303 534-4600 Ext	9. FIELD and POOL or WILDCAT: GREATER ANETH
--	--	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 06 Township: 41.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/17/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources respectfully submits this sundry as notice of acidize and clean-out of the above wellbore. Attached are the procedures and schematic

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 June 17, 2014**

Date: _____

By: Dark Ount

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 6/17/2014	

RESOLUTE

NATURAL RESOURCES

MCU M-16 Coil Tubing Clean Out & Acidize

Procedure

1. LOTO Injection Lines at wellhead, on main isolation valves, and CP Panel.
2. MI spot CTU, pump unit, rig pit, install hard line and choke manifold.
3. RU CTU with 1.25 inch coil, 1.25 Vortec washtool.
4. Test lubricator and BOP's to 4500 psig.
Minimum ID @ 1.78 'R 'profile @ 5341.5' KB' (1.72 no-go).
5. RIH with CTU, establish circulation; clean out fill to PBTD at 5680' KB;
Take solids samples for analysis. After reaching PBTD, circ well bore clean.
6. Load coil with 7 drums xylene or alternate solvent; Prepare to acidize behind the solvent with 5000 gal inhibited 20% HCl.
7. Spot coil at btm perf 5646' & begin solvent at .5 bpm, moving CT up & down thru perfs (top perf 5431') twice while pumping solvent, then shut down for 30 min soak when acid is at the tip of the coil, & coil at btm perf. Coil speed of 47 fpm required at 0.5 bpm.
8. Pump the acid while again making two trips up and down through the perfs w/the coil.
9. PU to ~5400' and overdisplace acid past btm perf at 5646' by 25 bbls fresh water.
10. POOH with coil tubing.
11. RD CTU and stimulation equipment. Release equipment.
12. Backflow lateral line for cleanup.
13. Advise Pierce Benally (435) 619-7234 the well is ready to return to injection.

McELMO CREEK UNIT # M-16

GREATER ANETH FIELD

660' FSL & 660' FEL

SEC 6-T41S-R25E

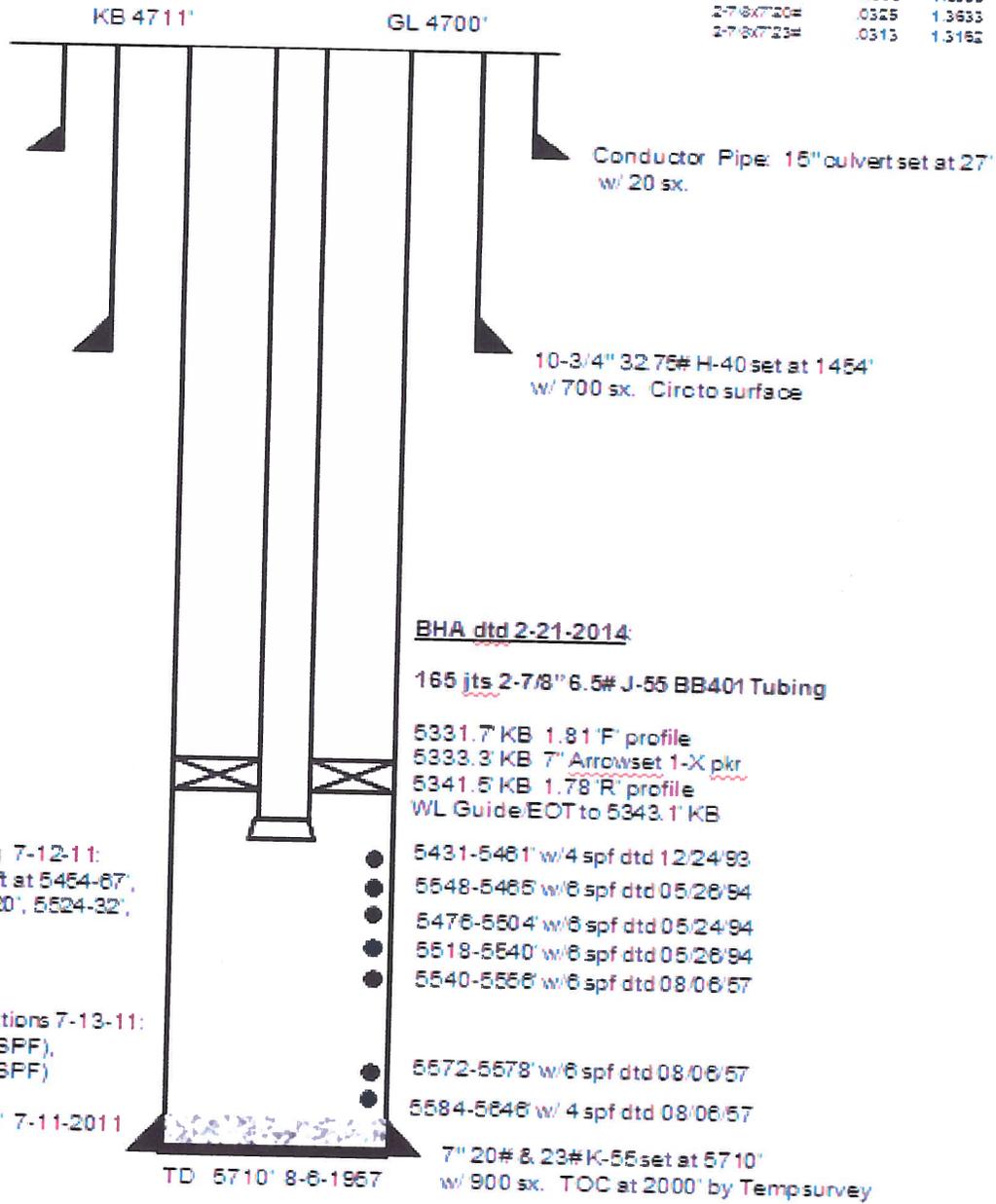
SAN JUAN COUNTY, UTAH

API 43-037-16361

PRISM 0000310

INJECTOR

Capacities:	bbbl/ft	gal/ft	cuft/ft
2-7/8" 6.5#	.00579	.2431	.0325
7" 20#	.0404	1.7005	.2275
7" 23#	.0393	1.6535	.2210
2-7/8" 20#	.0325	1.3633	.1822
2-7/8" 23#	.0313	1.3162	.1760



Csg Inspection Log 7-12-11:
 Indicates no csg left at 5454-67',
 5494-5506', 5510-20', 5524-32',
 5593-5649'.

New DC-IIC perforations 7-13-11:
 5571-97' (26' @ 6 SPF),
 5519-45' (26' @ 6 SPF)

NEW FBTD 5680' 7-11-2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-372
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
		7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: NAVAJO C-2 (MCELMO M-16)	
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037163610000	
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535	PHONE NUMBER: 303 534-4600 Ext	9. FIELD and POOL or WILDCAT: GREATER ANETH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 06 Township: 41.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/23/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER <input type="text" value=""/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Resolute Natural Resources is submitting this sundry as notice that the clean out and acidizing of the above well were completed on 6/23/2014 according to previously submitted procedures		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 10, 2014		
NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 7/10/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-372
---	--

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
--	--

1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: NAVAJO C-2 (MCELMO M-16)
--	---

2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037163610000
---	---

3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535	PHONE NUMBER: 303 534-4600 Ext	9. FIELD and POOL or WILDCAT: GREATER ANETH
--	--	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 06 Township: 41.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/18/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources respectfully submits this sundry as notice of acid treatment on the above well. Attached are the procedures and schematic

Accepted by the Utah Division of Oil, Gas and Mining

Date: ~~November 12, 2014~~

By: *Derek Duff*

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 11/10/2014	

RESOLUTE

NATURAL RESOURCES

MCU M-16 Injection Well Bullhead Acid Treatment

Procedure

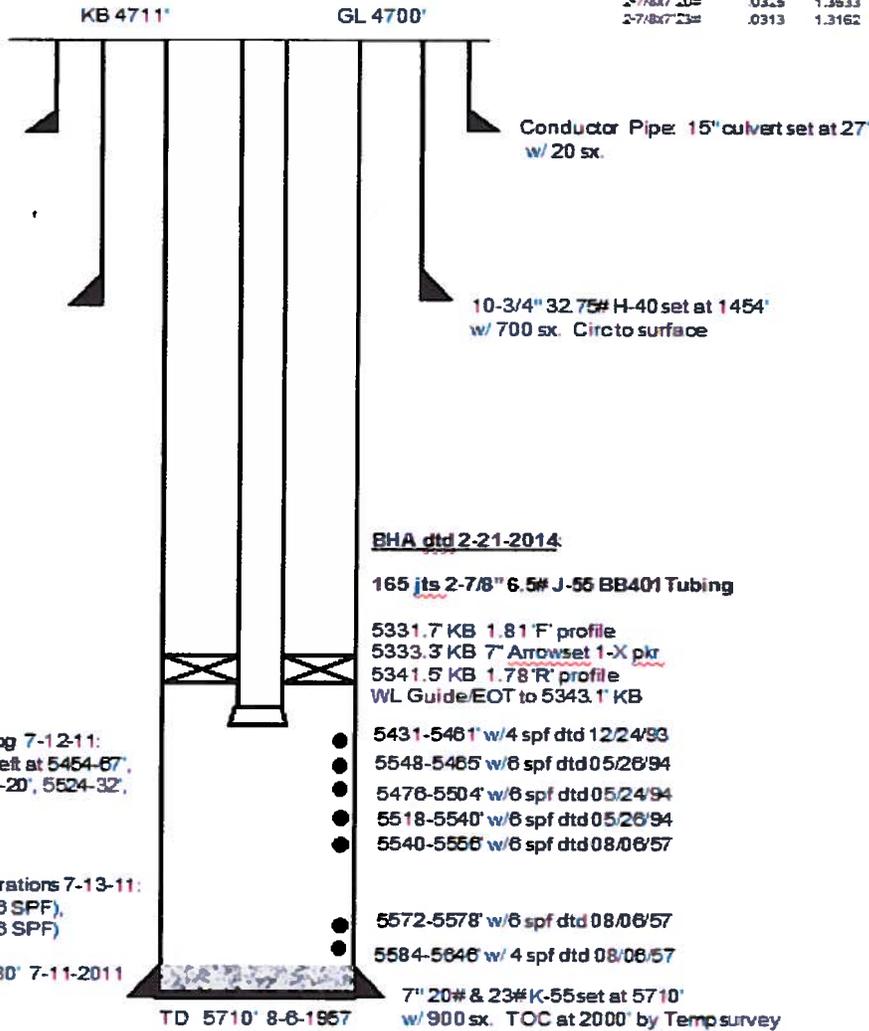
Horsley Witten: **Not Applicable**

1. Check crown valve & manifold wing valve for integrity to ensure pump truck can rig up to well.
2. MIRU frac tank, manifold & hard line for flowback. RU ABC shower trailer.
3. Backflow the well for ~400 bbls or until significant gas appears, then shut in.
4. RU pumping equipment to wellhead & PT lines. Record TP, CP, Bradenhead P (BHP).
5. Pump 400 gal xylene, 2500 gal inhibited 15% HCl, 43 bbls fresh water displacement. Stop for 30 min soak after 33.2 bbls of acid are pumped behind the xylene. **Pump the remainder of the treatment at maximum rate possible, staying under 3000 psi TP.** Monitor CP and BHP while pumping.
6. Rig down pumping equipment.
7. Allow 2 hours acid soak time prior to putting back on injection.
8. Open the well to injection at 2000 bwipd; Record the initial injection rate, tubing pressure, and choke.

McELMO CREEK UNIT # M-16
GREATER ANETH FIELD
 660' FSL & 660' FEL
 SEC 6-T41S-R25E
 SAN JUAN COUNTY, UTAH
 API 43-037-16361
 PRISM 0000310

INJECTOR

Capacities:	bbt/ft	gal/ft	cwt/ft
2-7/8" 6.5#	.00579	.2431	.0325
7" 20#	.0404	1.7005	.2273
7" 23#	.0393	1.6535	.2210
2-7/8x7" 20#	.0325	1.3633	.1822
2-7/8x7" 23#	.0313	1.3162	.1760



Csg Inspection Log 7-12-11:
 Indicates no csg left at 5454-67',
 5494-5506', 5510-20', 5524-32',
 5593-5649.

New DC-IIC perforations 7-13-11:
 5571-97' (26' @ 6 SPF),
 5619-45' (26' @ 6 SPF)

NEW PBD 5680' 7-11-2011

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-372	
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO	7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: NAVAJO C-2 (MCELMO M-16)
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037163610000
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535	PHONE NUMBER: 303 534-4600 Ext
9. FIELD and POOL or WILDCAT: GREATER ANETH	4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 06 Township: 41.0S Range: 25.0E Meridian: S
COUNTY: SAN JUAN	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/18/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Resolute Natural Resources respectfully submits this sundry as notice that the acid treatment on the above well was completed on 11/18/2014 Totals 400 gals xylene, 22600 gals 20% HCL and 1806 gals FW

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 February 20, 2015**

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 2/18/2015	