

Scout Report sent out

Noted in the NID file

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A. of operations suspended

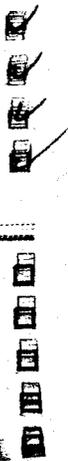
Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed



FILE NOTATIONS

Entered in NID file

Entered in Gas-Oil Report

Location Map Pinned

Card Filed

IWS in State or Fed Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

DATE OF OPERATION

Date of Completion 2-8-58

CVL VGL TA

GW CS PA

Location recorded

Bound

State of Fed Land

LOGS FILED

Driller's Log 4-3-58

Electric Logs (No. 1) 3

E S1 GR GR-N Micro

Lat Mid Spine Others

GEOLOGIC TOPS:

QUATERNARY	Star Point	Sinbad	Brazer
Recent	Wahweap	PERMIAN	Pilot shale
Alluvium	Masuk	Kaibab	Madison
Lake beds	Colorado	Coconino	Leadville
Pleistocene	Mancos	Cutler	Redwall
Lake beds	Upper	Hoskinnini	DEVONIAN
TERTIARY	Middle	DeChelly E 2516	Upper
Pliocene	Lower	White Rim	Middle
Humboldt	Emery	Organ Rock E 2742	Lower
Salt Lake	Blue Gate	Cedar Mesa	Ouray
Miocene	Ferron	Halgate tongue	Elbert
Bishop conglomerate	Frontier	Phosphoris	Guilmette
Oligocene	Dakota	Park City	Simonson dolomite
Norwood	Burro Canyon	Rico (Goodridge)	Sevy dolomite
Eocene	Cedar Mountain	Supai	North Point
Duchesne River	Buckhorn	Bird Springs	SILURIAN
Uinta	JURASSIC	CARBONIFEROUS	Laketown dolomite
Bridger	Morrison	Pennsylvanian	ORDOVICIAN
Green River	Salt Wash	Oquirrh	Eureka quartzite
Upper	San Rafael Gr.	Weber	Pogonip limestone
Middle	Summerville	Morgan	CAMBRIAN
Lower	Bluff sandstone	Hermosa E 4721	Lynch
Wasatch	Curtis	Upper	Bowman
Colton	Entrade	Lower	Tapeats
Flagstaff	Moab tongue	Molas	Ophir
Almy	Carmel	Paradox E 5682	Tintic
Paleocene	Glen Canyon Gr.	A	PRE-CAMBRIAN
Current Creek	Navajo	B	U. 48- E 5521
North Horn	Kayento	C	Chimney Rock E 5877
CRETACEOUS	Wingate	Manning Canyon	
Montana	TRIASSIC	Mississippian	
Mesaverde	Chinle	Chainman shale	
Price River	Shinarump	Humbug	
Blackhawk	Moenkapi	Joana limestone	

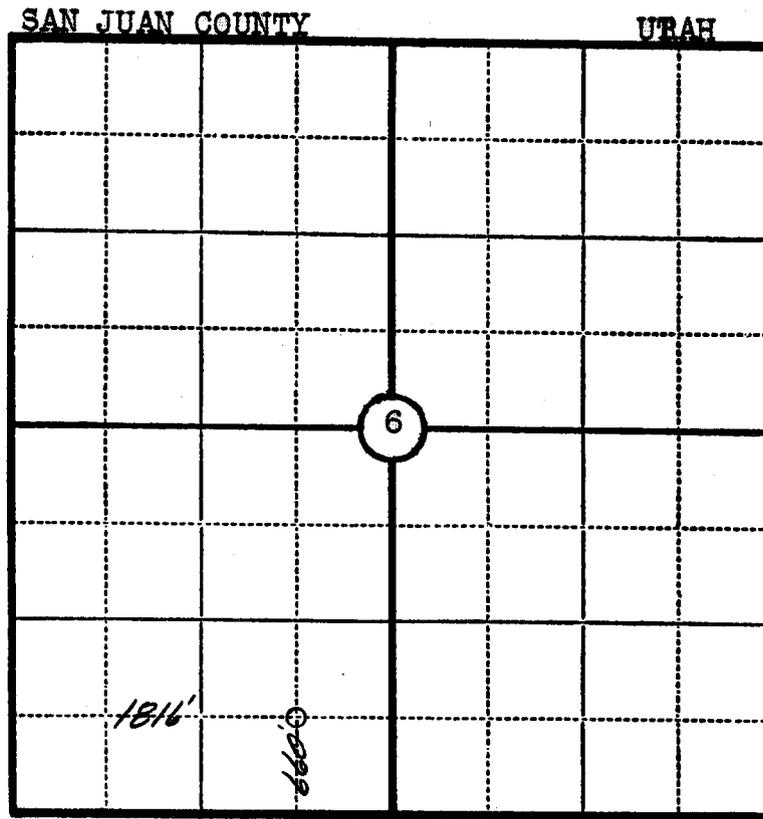
Company THE SUPERIOR OIL COMPANY

Lease "C" Well No. _____

Sec. 6, T. 41 S., R. 25 E., SLM

Location 660' FROM THE SOUTH LINE & 1816' FROM THE WEST LINE

Elevation 4902' ungraded
TBM: 1x2 stake 245' S60°E of loc. Elev. 4902'



Scale—4 inches equal 1 mile.

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

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

Surveyed 19 November, 1957

13

December 27, 1957

The Superior Oil Company
P. O. Box 276
Cortez, Colorado

Attention: G. Bannautine, Petroleum Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo C-9, which is to be located 660 feet from the south line and 1816 feet from the west 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.

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FREIGHT
SECRETARY

CBF:cn

cc: Phil McGrath
USGS, Farmington,
New Mexico

2

Tubing: 2½" Tubing hung to 5866.

Perforations:	5686--5713	(27')	5793--5800	(7')
	5724--5740	(16')	5810--5818	(8')
	5746--5758	(12')	5821--5840	(19')
	5781--5787	(6')	5847--5866	(19')

DST: None.

Acid Job #1: (Perfs as above with tubing hung to 5867).

Dowell washed perfs with 1000 gals mud acid. Spotted acid across perfs and formations broke within 2 minutes. Set packer and pumped acid away with a maximum and final pressure of 800/700.

Acid Job #2: (Perfs as above with tubing hung to 5678).

Dowell acidized with 10,000 Gel-X-100 retarded acid. Maximum treating pressure 3400/2000; minimum and final 2000/2000.

Initial Production: Flowed 85.17 bbls in 4 hours, 24/64" choke, 540#/300#, cut 0.2% acid water, grav 40.1.

APR 3

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	1300	300	Circulated to surface		
7"	5925	900	Pump & plug.		

FOLD MARK

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from surface feet to 5925 feet, and from feet to feet

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

DATES

4 January, 1958 Put to producing 8 February, 1958

The production for the first 24 hours was 511 barrels of fluid of which 99.8% was oil;% emulsion; 0.2% water; and% sediment. Gravity, °Bé. 40.1

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

Taylor, Driller Rosetti, Driller

Diviney, Driller Childers, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Schlumberger Electric log tops:			
	De Chelly	2816	
	Organ Rock	2942	
	Hermosa	4721	
	Upper Boundary Butte	5521	
	Paradox Shale	5675 (-757)	
	Lower Boundary Butte	5682 (-764)	
	Chimney Rock	5877 (-959)	
	T. D.	5925 (-1007)	

*Former well number.

(SUBMIT IN TRIPLICATE)

Indian Agency _____

Window Rock

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee **Navajo**

Lease No. **14-20-603-372**

	6	
X		

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)

October 27, 1959

Navajo 'C'
Well No. **#24-6** is located **660** ft. from **S** line and **1816** ft. from **W** line of sec. **6**

SE SW Sec. 6 (¼ Sec. and Sec. No.)	41S (Twp.)	25E (Range)	SL&M (Meridian)
McElmo Creek (Field)	San Juan (County or Subdivision)	Utah (State or Territory)	

The elevation of the ~~3000~~ above sea level is **4918** ft. **K.D.**

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)

10-14-59: Acidized perms 5686' - 5758' with 600 gallons of regular acid and 9,300 gallons retarded acid in 3 equal stages using two 300-gallon temporary plugs. Maximum pressure 3200#/1500#.

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

Company **The Superior Oil Company**

Address **P. O. Drawer G**

Cortez, Colorado

By *D. D. Kingman*
D. D. Kingman

Title **Engineer**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-verse 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

7. UNIT AGREEMENT NAME

McElmo Creek Unit

8. FARM OR LEASE NAME

McElmo Creek Unit

9. WELL NO.

MCU #K-16

10. FIELD AND POOL, OR WILDCAT

McElmo Creek

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

SE SW Sec 6, T41S, R25E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

The Superior Oil Company

3. ADDRESS OF OPERATOR

P. O. Drawer 'G', Cortez, Colorado 81321

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

660' FSL & 1816' FWL, Sec. 6, T41S, R25E SLBM

14. PERMIT NO.

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

4916' KB

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Notice of Intent to recomplete Desert Creek, Complete Ismay Formations

All existing perforations will be squeezed off with 600 sacks cement. The Desert Creek will be perforated 5810-5814' with 2 jets per ft, treated with 400 gal 28% acid, and block squeezed with 100 sacks. The Lower Desert Creek Formation will be perforated 5724-5728', 5735-5758', 5764-5768' with 2 jets per ft. and treated with 5000 gal 28% retarded acid. The Upper Desert Creek Formation will be perforated 5686-5708' with 2 jets per ft and treated with 3000 gal 28% retarded acid. The Lower Ismay Formation will be perforated 5630-5672' with 2 jets per ft and treated with 4000 gal 28% acid. The Upper Ismay will be perforated 5545-5552', 5560-5576', 5580-5588' with 2 jets per ft and treated with 3000 gal 28% acid. Each zone will be tested separately. All zones will be pumped commingled.

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

SIGNED Charles L. Hill

C. L. Hill

TITLE Engineer

Engineer

DATE 5/21/70

5/21/70

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY: _____

TITLE _____

DATE _____

*See Instructions on Reverse Side

CLH/njh

cc: State, USGS, Franques, Broussard, Hurlbut, File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS MANNER*
(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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR The Superior Oil Company</p> <p>3. ADDRESS OF OPERATOR P. O. Drawer 'G', Cortez, Colorado 81321</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' ESL & 1816' FWL, Sec. 6, T41S, R25E SLM</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 Unit</p> <p>8. FARM OR LEASE NAME McElmo Creek Unit</p> <p>9. WELL NO. MCU #K-16</p> <p>10. FIELD AND POOL, OR WILDCAT McElmo Creek</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE SW Sec. 6, T41S, R25E</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4916' 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 checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <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.)*

6/2/70 Squeezed all perfs 5686-5866' with 500 sacks cement.
 6/4/70 Drilled out to 5817'.
 6/5/70 Perf'd 5810-14'. Treated with 400 gal 28% acid, squeezed with 100 sacks cement.
 6/7/70 Drilled out to 5778'. Perf'd 5724-28, 5735-58, 5764-68' with 2 jets per ft. Treated perfs with 5000 gal 28% retarded acid.
 6/9/70 Squeezed perfs 5724-5768 with 300 sacks cement.
 6/10/70 Drilled out to 5761'.
 6/11/70 Perf'd 5724-28, 5735-58' with 2 jets per ft. Treated with 3000 gal 28% retarded acid.
 6/12/70 Swabbed 85 bbls fluid in 3 hrs, 20% cut. Perf'd 5686-5708' with 2 jets per ft. Treated with 3000 gal 28% acid.
 6/13/70 Swabbed 132 bbls fluid in 9 hrs, 20% cut.
 6/14/70 Perf'd 5630-68' with 2 jets per ft. Treated with 500 gal 28% acid.
 6/15/70 Swabbed 88 bbls fluid in 5 hrs. 1% cut.
 6/16/70 Treated with 2700 gal 28% acid and 800 gal unibead plug in two equal stages.
 6/17/70 Swabbed and flowed 57 bbls in 3 hrs, 5% cut. Perf'd 5545-52, 5560-76, 5580-88'.
 6/18/70 Treated perfs 5545-88' with 3000 gal 28% acid. Swabbed 140 bbl in 6 hrs, 65-80% cut.
 6/22/70 Pumping all zones commingled.
 6/24/70 Pumped 290 bbls fluid in 24 hrs. 25% cut. 218 BOPD rate.

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

SIGNED D. D. Kingman TITLE District Engineer DATE 8/6/70

(This space for Federal or State office use)

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

OGC/njh

*See Instructions on Reverse Side

cc: USGS. State, Franques, Broussard, Hurlbut, W10, File

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217

January 14, 1985

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

Attention: Ms. Dianne Nielson, Director

RECEIVED

FEB 01

DIVISION OF OIL
GAS & MINING

RE: NOTICES TO SUPERIOR OIL COMPANY

Dear Ms. Nielson:

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

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

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

(303) 298-2577

PERMITS ONLY

RON

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

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

Very truly yours,



R. D. Baker
Environmental & Regulatory Manager - West

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

OIL WELL GAS WELL OTHER Water & CO₂ Injection Line

2. NAME OF OPERATOR
SUPERIOR OIL CO., through its Agent, MOBIL OIL CORP.

3. ADDRESS OF OPERATOR
P. O. DRAWER G, CORTEZ, CO. 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface Well: 660 FSL 1816 FWL
Injection Line in E 1/2, SW 1/4, Sec. 12 and W 1/2, SE 1/4 Sec. 6

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4902

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-372
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME
McElmo Creek Unit

8. FARM OR LEASE NAME
K-16 Injection Line

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT
Greater Aneth

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

Sec. 6, T41S, R25E

12. COUNTY OR PARISH 13. STATE
San Juan Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other) Construct CO₂ & H₂O Injection Lines

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

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.)*

Mobil Oil Corporation, Agent for Superior Oil Company, proposes to amend Sundry Notice dated January 31, 1985 and approved May 1, 1985, to include a second line for CO₂ injection in the same ditch as the water injection line.

All the CO₂ and H₂O injection lines will be buried in the same 36 inch wide ditch with at least 36 inches of cover. Any restoration requirements will be per BIA-BLO Shiprock stipulations.

Pipe specifications are as follows:

- CO₂: 3.5" O.D., .300 wall thickness, Type API 52, X-42, PE BFW Armco Smls pipe.
- H₂O: 3" schedule 40, butt welded, cement lined pipe.

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

SIGNED Clyde F. Benally TITLE Sr. Regulatory Coordinator DATE 10/22/85
C. J. Benally

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN THE DATE
(Other instructions
see side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.
14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME
MCELMO CREEK

8. FARM OR LEASE NAME
MCELMO CREEK

9. WELL NO.
K-16

10. FIELD AND POOL OR WILDCAT
GREATER ANETH

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA
Sec. 6, T41S, R25E, SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

OIL WELL GAS WELL OTHER

CATHODIC PROTECTION

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY, through its Agent, MOBIL OIL CORP.

3. ADDRESS OF OPERATOR
P. O. DRAWER 'G', CORTEZ, COLORADO 81321

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

660' FSL, 1816' FWL, SESW

NOV 22 1985

RECEIVED

14. PERMIT NO. 43-037-15957

15. ELEVATIONS (Show whether of, to, or in ft., m., etc.)
4918' GL

DIVISION OF OIL
GAS & MINING

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

PLUG OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANE

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(Other) Construct Cathodic Protection System

(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.)

To maximize effective corrosion control of metallic piping and structures down hole and above ground, Mobil Oil Corporation, Agent for Superior Oil Company, proposes to construct an electrified cathodic protection system consisting of a subsurface graphite anode bed connected to an above ground rectifier which has a lead connected to the well casing.

The construction will consist of a trench, 140' long, 6' deep and 2' wide in the old reserve pit area of the well location. All construction will be confined to existing disturbed area of well location. Existing electrical power to the well will be used for this cathodic protection system.

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

SIGNED C. J. Benally
C. J. Benally
(This space for Federal or State office use)

TITLE Regulatory Coordinator

DATE 11/15/85

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

RECEIVED
 MAR 10 1986

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

DIVISION OF
 OIL, GAS & MINING

IN THE MATTER OF THE APPLICATION OF
Mobil Oil Corp as Agent for Superior Oil CAUSE NO. _____
 ADDRESS P.O. Drawer G
Cortez Co ZIP 81321
 INDIVIDUAL PARTNERSHIP CORPORATION
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE McEl K-16 WELL
 SEC. 6 TWP. 415 RANGE 25E
San Juan COUNTY, UTAH

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

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

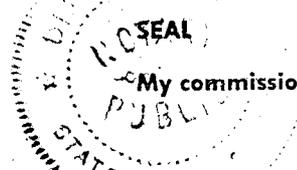
- That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
- That the applicant submits the following information.

Lease Name <u>McElmo Creek Unit</u>	Well No. <u>K-16</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>660' FSL, 1816' FWL</u>		Twp. <u>415</u>	Rge. <u>25E</u>
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>1600</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	State What <u>Oil & Gas</u>	
Location of Injection Source(s) <u>Production Wells within McElmo Creek Unit</u>	Geologic Name(s) and Depth of Source(s) <u>Isma 5500± Desert Creek 5600±</u>		
Geologic Name of Injection Zone <u>Desert Creek</u>	Depth of Injection Interval <u>5686 to 5758</u>		
a. Top of the Perforated Interval: <u>5686</u>	b. Base of Fresh Water: <u>1630</u>	c. Intervening Thickness (a minus b) <u>4056'</u>	
Is the Intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Lithology of Intervening Zones <u>See item 4(ii) on Attachment I</u>			
Injection Rates and Pressures Maximum <u>500</u> B/D <u>3100</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>None</u>			

State of Colorado, Applicant [Signature]
 County of Montezuma

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

Suscribed and sworn to before me this 5th day of Mar, 19 86
Diane Wilson



Notary Public in and for Colo

(OVER)

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	10 3/4"	1300'	800	Surface	Circulated
Intermediate					
Production	7"	5925	900	2120'	Temp Survey.
Tubing	2 3/8	5510'	Name - Type - Depth of Tubing Packer Retrievable 5510		
Total Depth	Geologic Name - Inj. Zone	Depth - Top of Inj. Interval	Depth - Base of Inj. Interval		
5925	Desert Creek	5686'	5758'		

ATTACHMENT 1

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

(a) See attached Form DOGM-UIC-1.

(b) (1) See attached land plat.

(2) See attached Form DOGM-UIC-2.

(3) See attached wellbore sketch.

(4) i. The intervening thickness between the proposed injection interval and the deepest fresh water sand is over 4000'. Most fresh water sands are behind 10-3/4" surface casing which has been cemented around the shoe with cement to surface. Seven inch production casing was run to TD and cemented around the shoe with a top of 2120'. Annular pressures will be monitored to insure no behind pipe communication occurs.

ii. Maximum Surface Pressure: 3100 psi
Maximum Injection Rate: 500 BWPD.

<u>FORMATION</u>	<u>DEPTH</u>	<u>LITHOLOGY</u>
Chinle	1630	Shale
DeChelly	2816	Sandstone
Organ Rock	2942	Shale
Hermosa	4721	Limestone
Ismay	5534	Limestone
Gothic	5674	Shale
Desert Creek	5684	Limestone
Chimney Rock	5877	Shale

(5) i. A throttling valve or choke will be installed at the well to control injection rates.

ii. The source of injection water will be Superior's production wells within the McElmo Creek Unit. These wells produce from the Ismay and Desert Creek formations with approximate depths of 5500' and 5600' respectively. Additional water will be obtained from shallow fresh water wells along the San Juan River. This well is also scheduled to begin carbon dioxide injection April 1, 1987. The CO2 will be purchased from Shell Oil Company's Howenweep facility in the McElmo Dome field in Montezuma and Dolores, Counties, Colorado.

McElmo Creek Unit K-16

iii. The analysis of injection water is as follows (ppm):

pH:	6.0	Ca:	5,520	SO4:	990
Cl:	45,000	Mg:	1,340	H2S:	52
Fe:	0	HCO3:	236	Ba:	0
CaCO3:	19,300	CO3:	0		

Specific Gravity: 1.048

A current analysis of the injection CO2 is as follows (% Mol Wgt):

CO2:	98.361	CH:	0.132	N2:	1.507
------	--------	-----	-------	-----	-------

iv. The proposed injection zones are the lower Ismay and the Desert Creek formations. These zones are carbonates consisting of limestone, anhydrite and dolomite. These formations extend throughout the Paradox Basin. The Ismay formation is overlain by the Hermosa fm and the Desert Creek is underlain by the Chimney Rock Shale.

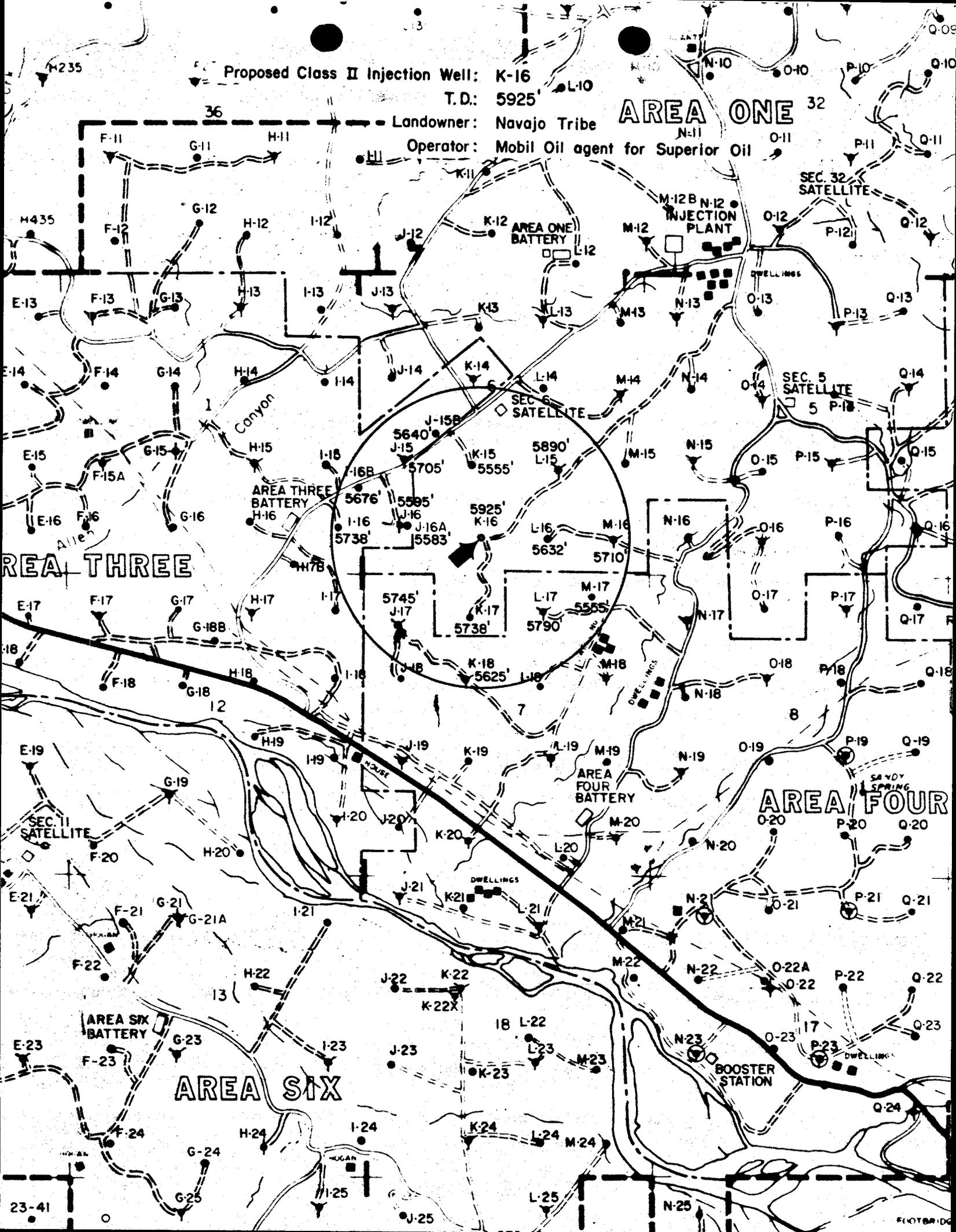
v. All fresh water zones are behind casing.

vi. The analysis of the Desert Creek Formation water is as follows (ppm):

pH:	6.4	Ca:	6,800	SO4:	250
Cl:	42,000	Mg:	1,240	H2S:	49
Fe:	0	HCO3:	266	Ba:	0
CaCO3:	17,000	CO3:	0		

Specific Gravity: 1.046

- (6) If the proposed injection well must be shut-in, the producing wells can also be shut-in.
- (7) N/A.
- (8) The Division will be notified of the date and time to monitor the mechanical integrity test.
- (9) There are no defective wells in the area.
- (10) N/A.



Proposed Class II Injection Well: K-16
T.D.: 5925'
Landowner: Navajo Tribe
Operator: Mobil Oil agent for Superior Oil

AREA ONE

Canyon

AREA THREE BATTERY

AREA ONE BATTERY

INJECTION PLANT

SEC. 6 SATELLITE

SEC. 32 SATELLITE

SEC. 5 SATELLITE

AREA THREE

AREA FOUR BATTERY

AREA FOUR

AREA SIX

AREA SIX BATTERY

BOOSTER STATION

SAVOY SPRING

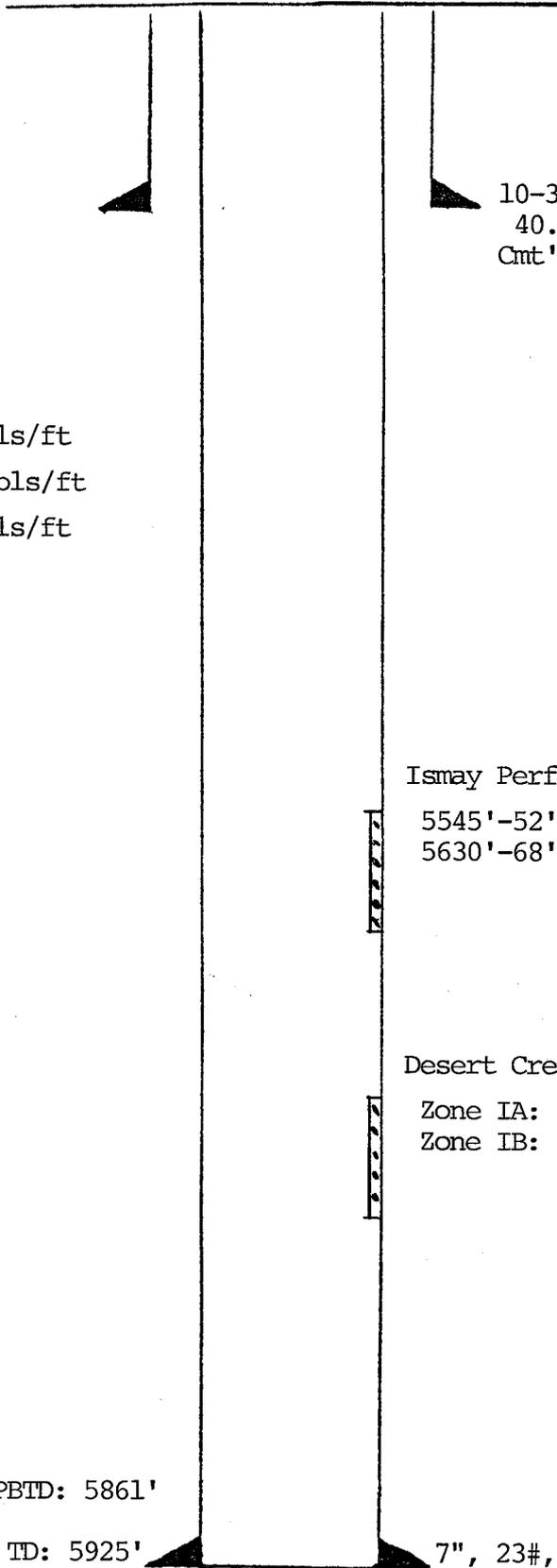
DWELLINGS

DWELLINGS

DWELLING

McELMO CREEK UNIT K-16
GREATER ANETH FIELD
SAN JUAN COUNTY, UTAH

PRESENT WELLBORE SKETCH



10-3/4", 32.75#, H-40 set to 132,
40.50#, H-40 set to 132/1303
Cmt'd w/800 sx to surface

Csg. Capacity: .0394 bbls/ft
Tbg. Capacity: .00579 bbls/ft
Ann. Capacity: .0313 bbls/ft

Ismay Perfs:

5545'-52'; 5560'-75'; 5580'-88';
5630'-68' (2 JSPF)

Desert Creek Perfs:

Zone IA: 5686'-5708' (2 JSPF)
Zone IB: 5724'-28' (2 JSPF)
5735'-58' (2 JSPF)

PBTD: 5861'

TD: 5925'

7", 23#, J-55 set to 71'
20#, J-55 set to 71'/4060'
23#, J-55 set to 4060'/5736'
23#, J-55 set to 5736'/5912'
Cmt'd w/900 sx to 2120'



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

April 8, 1986

Mobil Oil Corporation as agent for
Superior Oil Company
P.O. Drawer G
Cortez, Colorado 81321

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-080

Administrative approval is hereby granted to convert the following wells to Class II enhanced recovery water injection wells:

McELMO CREEK UNIT - San Juan County, Utah

#I-18 - Sec. 12, T41S, R24E
#K-16 - Sec. 6, T41S, R25E

This approval is conditional upon full compliance with the UIC rules and regulations adopted by the Board of Oil, Gas and Mining, and construction and operation of the well as outlined in the application submitted.

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

Best regards,

Dianne R. Nielson
Director

mfp
7627U

FORM NO. DOGM-UIC-5
(1981)

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

RULE I-7 (d & e)

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

Check Appropriate Classification:

Date of Commencement/Termination

April 15, 1986

Disposal Well

Enhanced Recovery Injection Well

Enhanced Recovery Project

Well Name McElmo Creek Unit K-16

Location: Section 6 Twp. 415 Rng. 25E County San Juan

Order No. authorizing Injection UIC-080 Date April 8, 1986

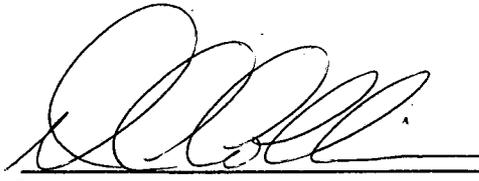
Zone into Which Fluid Injected Ismay, Desert Creek

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

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

Operator Mobil Oil Corporation

Address PO Drawer G, Cortez, Co, 81321



Signature

7.15.86

Date

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

McElmo Creek Unit K-16

- 02/13/86 RIH w/ pkr and set @ 5612'. Acidized Desert Creek Zone I w/ 5000 gal 28% HCl in three stages using salt plugs for diversion. Max pres - 2390 psi. ISIF 1450 psi. Av rate 4.1 BPM. Desert Creek communicated w/ Ismay. Swabbed 5 hr. rec 160 bbls water.
- 02/14/86 Swabbed 4 hrs rec 120 bbls water. POOH w/ pkr. RIH w/ CIBP and set @ 5612'. POOH. RIH w/ cement retainer.
- 02/15/86 Set retainer @ 5476' and squeezed Ismay perms w/ 250 sk. Reversed out 8 cu ft. POOH.
- 02/16/86 SD for Sunday.
- 02/17/86 RIH w/ bit and scraper. DO retainer and 65' cement.
- 02/18/86 Fin DO cement to CIBP. Tested squeeze to 1600 psi. No leaks. DO retainer and 50' cement in DC I.
- 02/19/86 Fin DO cement. POOH. RU to re-perforate.
- 02/20/86 Perforated Desert Creek Zone I 5630/38', 5686/5708', 5724/28' and 5735/58' w/ 2 JPF. RIH w/ pkr and set at 5610'. Acidized w/ 5000 gals 28% HCl in four stages using rock salt for diversion. Communicated w/ Ismay again. Max pres 2000 psi. ISIF 1080 psi. Av rate 4 BPM. Swabbed 3 hrs rec 60 bbls load.
- 02/21/86 Swabbed 10 hrs rec 208 bbls load.
- 02/22/86 Swabbed 4 hrs rec 84 bbls. POOH w/ pkr. PU Baker Model D pkr and 131 jts 2-3/8" tbg.
- 02/23/86 SD for Sunday.
- 02/24/86 Fin RIH w/ tbg and pkr. Set Model D pkr @ 5514'. POOH. RIH w/ tbg, on/off tool, downhole shut off valve, and seal assembly, hydrotesting to 5500 psi.
- 02/25/86 Circ inhibited FW. RD BOP's. NU wellhead. Tested to 1000 psi - OK. RDMO. Well ready for injection.

Affidavit of Publication

ADM-35B

STATE OF UTAH,
County of Salt Lake

ss.

Cheryl Gierloff

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

IN THE MATTER OF THE APPLICATION OF MOBIL OIL CORPORATION AS AGENT FOR SUPERIOR OIL COMPANY FOR ADMINISTRATIVE APPROVAL OF THE MCELMO CREEK UNIT WELLS NO. K-16 LOCATED IN SECTION 6, TOWNSHIP 41 SOUTH, RANGE 25 EAST; AND NO. I-18 LOCATED IN SECTION 12, TOWNSHIP 41 SOUTH, RANGE 24 EAST, S.L.M., SAN JUAN COUNTY, UTAH, TO BE CONVERTED TO CLASS II ENHANCED RECOVERY WATER INJECTION WELLS.

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

Notice is hereby given that Superior Oil Company through its Agent, Mobil Oil Corporation, P.O. Drawer G, Cortez, Colorado, 81321, has requested administrative approval from the Division to convert the following listed wells to enhanced recovery injection wells:

MCELMO CREEK UNIT
 #I-18-Sec. 12, T41S, R25E
 #K-16-Sec. 6, T41S, R25E
 INJECTION INTERVAL:
 Desert Creek, 5366' to 5758'
 MAXIMUM ESTIMATED SURFACE PRESSURE: 3100 psig
 MAXIMUM ESTIMATED WATER INJECTION RATE: 500-2000 BWPD/WELL

Approval of this Application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to the Division of Oil, Gas and Mining, Attention: UIC-Program Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah, 84100-1203.

DATED this 11th day of March, 1986.

STATE OF UTAH
 DIVISION OF OIL,
 GAS AND MINING
 MARJORIE L. ANDERSON
 Administrative Assistant

H-32

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

That the legal notice of which a copy is attached hereto Application of Mobil Oil Corporation

was published in said newspaper on March 20, 1986

Cheryl Gierloff
 Legal Advertising Clerk

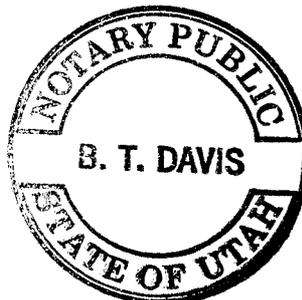
Subscribed and sworn to before me this 27th day of March A.D. 1986

B. T. Davis

Notary Public

My Commission Expires

March 1, 1988



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

Form approved by
Budget Bureau 1004-0135
Expires August 1985

5. LEASE DESIGNATION SERIAL NO.

14-20-603-322

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

MCELMO CREEK

8. FARM OR LEASE NAME

9. WELL NO.

K-16

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

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

Sec 6, T41S, R25E

12. COUNTY OR PARISH 13. STATE

SAN JUAN UTAH

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

1. OIL WELL GAS WELL OTHER INJECTION WELL

2. NAME OF OPERATOR
MOBIL OIL CORP AS AGENT OF SUPERIOR OIL

3. ADDRESS OF OPERATOR
P. O. DRAWER 'G', CORTEZ, CO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
660' FSL, 1816' FWL

RECEIVED
MAR 18 1986

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, or etc.)
DF: 4915'

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) CONVERT TO INJECTION
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.)*

- 02/05/86 MIRU. POOH w/ rods and pump. NU BOP's. POOH w/ tbg.
- 02/06/86 RIH w/ bit and scraper, hydrotesting to 6500 psi. POOH. RIH w/ CIBP and set @ 5612', POOH.
- 02/07/86 RIH and set retainer @ 5476'. Squeezed Ismay perfs w/ 163 cu ft Class B cement. Reversed out 67 cu ft. POOH.
- 02/08/86 RIH w/ bit and scraper. DO cement retainer and 35' cement.
- 02/09/86 SD for Sunday.
- 02/10/86 Fin DO cement. Tested squeeze to 2000 psi. Bled off 100 psi every 30 sec. POOH.
- 02/11/86 RIH w/ tbg and pkr. Set pkr and broke down Ismay perfs w/ 200 gal 28% HCl @ 1600 psi. Resqueezed perfs w/ 118 cu ft cement to 2500 psi. Reversed out 67 cu ft. Pulled two stds, reset pkr and pressured to 1500 psi.
- 02/12/86 POOH. RIH w/ bit and scraper and DO cement to CIBP. Tested perfs to 2000 psi. Bled off 25 psi in 30 min. Drilled out CIBP and POOH.

(Continued on attached page)

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

SIGNED D. C. Collins

TITLE Sr Staff Op Engr

DATE 3.14.86

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

March 13, 1986

San Juan Record
Legal Advertizing
Monticello, Utah 84535

Gentlemen:

RE: UIC-080

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

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 20th day of March. In the event that said notice cannot be published by this date, please notify this office immediately by calling 538-5340 Ex. 5296.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Very truly yours,
DIVISION OF OIL, GAS AND MINING

Marjorie L. Anderson
for
MARJORIE L. ANDERSON
Administrative Assistant

mfp
0045A



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

March 13, 1986

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

Gentlemen:

RE: UIC-080

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

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Very truly yours,
DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script, appearing to read "Marjorie L. Anderson".

MARJORIE L. ANDERSON
Administrative Assistant

mfp
0045A

Publication was sent to the following:

Mobil Oil Company

as agent for Superior Oil Company
PO Drawer G
Cortez, Colorado 81321

Navajo Indian Tribe
Window Rock, Arizona 84614

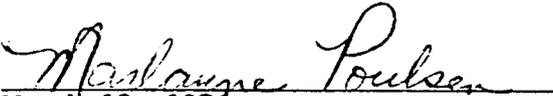
Bureau of Land Management
Consolidated Financial Center
324 South State Street
Salt Lake City, Utah 84111-2303

U.S. Environmental Protection Agency
Suite 1300
Attn: Mike Strieby
999 18th Street
Denver, Colorado 80202-2413

Utah State Department of Health
Water Pollution Control
Attn: Loren Morton
4241 State Office Building
Salt Lake City, Utah 84114

San Juan Record
Legal Advertizing
Monticello, Utah 84535

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


March 13, 1986

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

---00000---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-080
OF MOBIL OIL CORPORATION AS AGENT :
FOR SUPERIOR OIL COMPANY FOR :
ADMINISTRATIVE APPROVAL OF THE :
McELMO CREEK UNIT WELLS NO. K-16 :
LOCATED IN SECTION 6, TOWNSHIP :
41 SOUTH, RANGE 25 EAST; AND :
NO. I-18 LOCATED IN SECTION 12, :
TOWNSHIP 41 SOUTH, RANGE 24 EAST, :
S.L.M., SAN JUAN COUNTY, UTAH, TO :
BE CONVERTED TO CLASS II ENHANCED :
RECOVERY WATER INJECTION WELLS :

---00000---

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

Notice is hereby given that Superior Oil Company through its
Agent, Mobil Oil Corporation, P.O. Drawer G, Cortez, Colorado, 81321,
has requested administrative approval from the Division to convert the
following listed wells to enhanced recovery injection wells:

McELMO CREEK UNIT

#I-18 - Sec. 12, T41S, R24E
#K-16 - Sec. 6, T41S, R25E

INJECTION INTERVAL: Desert Creek, 5366' to 5758'
MAXIMUM ESTIMATED SURFACE PRESSURE: 3100 psig
MAXIMUM ESTIMATED WATER INJECTION RATE: 500-2000 BWPD/WELL

Approval of this Application will be granted unless objections are
filed with the Division of Oil, Gas and Mining within fifteen days
after publication of this Notice. Objections, if any, should be
mailed to the Division of Oil, Gas and Mining, Attention: UIC Program
Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake
City, Utah 84180-1203.

DATED this 11th day of March, 1986.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJORIE L. ANDERSON
Administrative Assistant

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	TWN	RNG	WELL TYPE	S T A P I N U M B E R	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
HC ELMO CREEK	J-13	SAN JUAN	UT	NW	NW	06-41S-25E	INJ OP	43-037-16355	14-20-603-372		96-004190
	J-14	SAN JUAN	UT	SW	NW	06-41S-25E	PROD OP	43-037-30321	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-15B	SAN JUAN	UT	SW	NW	06-41S-25E	PROD OP	43-037-30414	14-20-603-372		96-004190
	J-16	SAN JUAN	UT	SW	SW	06-41S-25E	PROD SI	43-037-30322	14-20-603-372		96-004190
	J-16A	SAN JUAN	UT	SW	SW	06-41S-25E	PROD OP	43-037-31011	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-18	SAN JUAN	UT	SW	NW	07-41S-25E	PROD OP	43-037-30318	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-20	SAN JUAN	UT	SW	SW	07-41S-25E	PROD OP	43-037-30306	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
	J-22	SAN JUAN	UT	SW	NW	18-41S-25E	PROD OP	43-037-30341	14-20-603-263		96-004190
	J-23	SAN JUAN	UT	NW	SW	18-41S-25E	PROD OP	43-037-15500	14-20-603-263		96-004190
	J-24	SAN JUAN	UT	SW	SW	18-41S-25E	COMP	43-037-31205	14-20-603-264		96-004190
	J-25	SAN JUAN	UT	NW	NW	19-41S-25E	PROD OP	43-037-15501	14-20-603-264		96-004190
	J-27	SAN JUAN	UT	NW	SW	19-41S-25E	PROD SI	43-037-15502	14-20-603-264		96-004190
	K-11	SAN JUAN	UT	NE	SW	31-40S-25E	PROD OP	43-037-30359	14-20-603-372		96-004190
	K-12	SAN JUAN	UT	SE	SW	31-40S-25E	PROD OP	43-037-15955	14-20-603-372		96-004190
	K-13	SAN JUAN	UT	NE	NW	06-41S-25E	PROD OP	43-037-30337	14-20-603-372		96-004190
	K-14	SAN JUAN	UT	SE	NW	06-41S-25E	INJ OP	43-037-15956	14-20-603-372		96-004190
	K-15	SAN JUAN	UT	NW	SE	06-41S-25E	PROD OP	43-037-30326	14-20-603-372		96-004190
	K-16	SAN JUAN	UT	SE	SW	06-41S-25E	PROD OP	43-037-15957	14-20-603-372		96-004190
	K-17	SAN JUAN	UT	NE	NW	07-41S-25E	PROD OP	43-037-30328	14-20-603-263		96-004190
	K-18	SAN JUAN	UT	SE	NW	07-41S-25E	INJ OP	43-037-05583	14-20-603-263		96-004190
	K-19	SAN JUAN	UT	NE	SW	07-41S-25E	PROD OP	43-037-30327	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-21	SAN JUAN	UT	NE	NW	18-41S-25E	PROD OP	43-037-30302	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-22X	SAN JUAN	UT	SE	NW	18-41S-25E	INJ OP	43-037-30400	14-20-603-263		96-004190
	K-23	SAN JUAN	UT	NE	SW	18-41S-25E	PROD OP	43-037-30336	14-20-603-263		96-004190

Permitted in

April 1986

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

OPERATOR: MEPNA
FIELD: Greater Aneth LEASE: McElmo Creek
WELL # K-16 SEC. 6 TOWNSHIP 41S RANGE 25E
STATE (FED.) FEE DEPTH 5925 TYPE WELL INTJW MAX. INJ. PRESS. 3100

TEST DATE 9/9/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>10³/₄</u>	<u>1300'</u>	<u>800</u>	<u>0#</u>		
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>	<u>7"</u>	<u>5925'</u>	<u>900</u>	<u>9#</u>		
					<u>Conn 71943</u>	
<u>TUBING</u>	<u>2³/₈</u>	<u>5510</u>		<u>1750#</u>		

Packer at 5510

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>						

Mobil Oil Corporation

P.O. DRAWER 10
CORTEZ, COLORADO 81321

April 14, 1987

State of Utah Natural Resources
Division of Oil, Gas, & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Ut. 84180-1203

RECEIVED
APR 20 1987

Attn: Gil Hunt
UIC Program Manager

DIVISION OF
OIL, GAS & MINING

Dear Sir:

In reply to your 17 March 1987 letter concerning raising the maximum injection pressure on three McElmo Creek Unit wells, the following calculations are provided:

Fracture gradient = 1.1 psi/ft
Most shallow injection interval > 5000 ft

Using worst case assumptions:

density of CO₂ @ 5000 psi = 53 #/ft³
density of Water = 1.1 (62.4) = 68.64 #/ft³
∴ gradient of CO₂ = .3678 psi/ft
gradient of H₂O = .4763 psi/ft

Bottomhole fracture pressure = 5000' * 1.1 psi/ft = 5500 psi

Bottomhole pressure for CO₂ injected @ 3200 psi surface pressure

3200 psi + 5000' * .3678 psi/ft = 5039 psi

Bottomhole pressure for H₂O injected at 3000 psi (maximum system pressure, equipment limited)

3000 psi + 5000' * .4763 psi/ft = 5382 psi

Bottomhole pressure for the injection of CO₂ and H₂O will be less than the fracture gradient under the worst case assumptions of static column of fluid, no friction loss, and injection pressures at the system will be less than the fracture gradient under the worst case assumptions of static column of fluid, no friction loss, and injection pressures at the system maximum. In addition, all injection intervals are below 5000' which will give an additional factor of safety.

If you have questions concerning this matter, please contact M. C. Haun at 801/651-3676.

Sincerely,



T. M. Kuykendall
Oper. Engineering Supervisor

MCH/mlc
7.01.25

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE

28/3/87

SUNDRY NOTICES AND REPORTS ON WELLS

1. Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> INJECTION WELL	5. Lease Designation And Serial No 14-20-603-372
2. Name Of Operator MOBIL OIL CORP.	6. Indian, Allottee Tribe Name NAVAJO
3. Address Of Operator P. O. DRAWER "G", CORTEZ, CO. 81321	7. Unit Agreement Name McELMO CREEK UNIT
4. Location Of Well 660' FSL, 1816' FWL	8. Farm Or Lease Name
14. Permit No.	9. Well No. K-16
15. Elevation DF: 4915'	10. Field And Pool, Or Wildcat GREATER ANETH
	11. Sec., T., R., SEC. 6, T41S, R25E
	12. County SAN JUAN
	13. State UTAH

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

Notice Of Intention To :		Subsequent Report Of :	
Test Water Shut-off <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) _____ <input type="checkbox"/>	
(Other) INCREASE OF INJECTION PRESSURE <input checked="" type="checkbox"/>			

17. Describe Proposed Or Completed Operations

Mobil Oil Corporation requests that the maximum allowable injection pressure for the subject well be increased from 2000 psig to 3200 psig. The fracture gradient of the Ismay and Desert Creek Zone I injection formations will not be exceeded.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 4/20/87
BY: [Signature]

RECEIVED
MAR 09 1987

DIVISION OF
OIL, GAS & MINING

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

Signed M. C. Hain Title Operations Engineer Date 3/3/87

Approved By _____ Title _____ Date _____

Conditions Of Approval If Any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

JUL 23 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.

K 16

9. API Well No.

43-037-15957

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

DIVISION OF
OIL, GAS & MINING

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, 1816' FWL 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

Recompletion

Plugging Back

Casing Repair

Altering Casing

Other

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut-Off

Conversion to Injection

CONVERSION FOR 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.)*

- 6-27-90 MIRU POOL WELL SERVICE. REL PKR. POHW/187 JTS TBG & PKR.
- 6-28-90 GIH W/BIT & SCRAPPER. CLEAN OUT FROM FILL TO PBD. CIRC. CLEAN
- 6-29-90 GIH W/PKR & SET @5468. ACDZ ISMAY & DESERT PERFS 5545-5758 W/5000 GALS 15% ACID 2000 GALS GEL BLOCK.
- 6-30-90 CHG. CSG. HEAD TO STAINLESS STEEL HEAD. REL PKR. & 2 7/8" WORKSTRING.
- 7-03-90 GIH W/INVERTED PKR & SET @5462
- 7-04-90 TEST PKR. & CSG TO 1000#/OK. CONVERSION MADE FOR CO₂ INJECTION.

242 044 J10	

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

Signed Shaloy Dodd (915)688-2585

Title

MOBIL EXPLORATION & PRODUCING U.S. INC.
AS AGENT FOR MOBIL OIL CORPORATION

Date 7-18-90

(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.
K-16

9. API Well No.
43-037-15957

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 79705 (915)688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL, 1816' FWL 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 type="checkbox"/> Other WORKOVER PROCEDURE
	<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

RECEIVED

MAR 25 1993

DIVISION OF
OIL GAS & MINING

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

DATE: 3-25-93
BY: [Signature]

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

Signed Shirley Todd **SHIRLEY TODD** Title **ENGINEERING TECHNICIAN**

Date **3-18-93**

(This space for Federal or State office use)

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

RECOMMENDED WORK PROCEDURE

WELL NO.	K-16 (Injection Well)
LEASE	McElmo Creek Field
ANNULAR FLUID	Inhibited Produced Fluids
WORKOVER FLUID	10 ppg Brine
WT. (LBS/GAL)	10.0
HYD. PRESS	2880 psi
RES. PRESS	est 2800 psi
ZONE	Ismay & Desert Creek I

Special Instructions:

*Provide two covered tanks for flow back (250 bbls capacity each).
 MI one set of pipe racks and $\pm 5800'$ 2-7/8" WS. Ensure EPA has been notified 48 hrs prior to any casing work and MIT'S. Shut-in well for one week prior to MIRU to allow reservoir pressure to dissipate.

1. ND wellhead CPC equipment.
2. NU backflow equipment and backflow well to test tank for 24 hours prior to moving on well (if well shows pressure at wellhead). If well does not blow down in 24 hours, notify Engineer for revised procedure.
3. MIRU DDPU. NU 900 Series BOP w/ adaptor flange (as necessary) w/ 2-7/8" pipe and blind rams. Insure BOP is pressure certified and tested to 3000 psi WP and 5000 psi MP. Use new gasket and all 12 bolts. RU Cyclone tong services w/ 360 degree full radius grip tongs w/ integral backup.
4. POOH w/ ± 174 jts 2-7/8" Fluorolined tbg, Baker HEL O/F tool, Baker Model B Shut-Off valve, and 2-7/8" x 7" Baker Inverted Lok-Set pkr. Install thread protectors & stand tbg back in derrick. LD bad joints. Send O/F tool and Model B Shut-Off valve to Baker for redress. Install shear screws on O/F tool and have Baker pressure test and function test tools. Notify Engineer w/ test results. Place O/F tool and valve in stock.
5. PU & RIH w/ 6-1/4" Varel Bit, 7" 20&23# J-55 Casing Scraper, and Bulldog Hydrostatic bailer on 2-7/8" WS. CO/DO to PFTD 5774'. POOH w/ WS, bit, scraper, and bailer. LD WS and BHA.
6. Using Cyclone tong services, PU & GIH w/ bottomhole straddle packer assembly (w/ 1.5" "R" blanking plug in place) on ± 174 jts 2-7/8" Fluorolined tbg. Straddle perf's 5545'-5668' (OA) by spotting bottom packer at 5678'. Top packer should locate @ $\pm 5464'$. **NOTE:** Insure torque rings and perma-seerts are correctly installed. Lubricate seal section of O/F tool w/ Baker tbg seal grease prior to running. Drift pipe to 1.85".

Make-up Requirements:

1200-1400 ft-lbs to torque ring
 2200-2400 ft-lbs into torque ring

Bottomhole Straddle Assembly (top to bottom)

- 2-7/8" Guiberson 316SS XL O/F tool (for 7" csg w/
1.781" "F" profile cut in mandrel)
Guiberson 2-7/8"x 7" Uni VII HD hyd pkr (ICL/ENP)
7 jts 2-7/8" 3rd EUE tbg (Nap-Wrap/ICL)
Guiberson 2-7/8"x 7" Uni VII HD hyd pkr (ICL/ENP)
2-7/8" 316SS Profile nipple w/ 1.560" "R" profile,
1.510" no/go, and wireline guide shoe
2-7/8"x 10" Fluorolined tailpipe (cut down from full jt)
7. RU pump truck. Pressure up on tubing to 3000 psi for 5 minutes to set packers. Release pressure and repeat. After setting, pressure test packers down annulus to 500 psi for 10 minutes. Bleed down pressure.
 8. Sting off O/F tool. Circulate inhibited packer fluid to annulus. GIH & sting onto O/F tool. If backside is not completely loaded after resetting O/F tool, dump inhibited pkr fluid until annulus is completely loaded. Pressure test tbg/csg annulus to 1000 psi for 30 minutes. Obtain pressure chart for files (note: 1000 psi must fall within 30-70% of the range on the pressure chart).
** NOTIFY EPA IN FARMINGTON, NM., PRIOR TO CONDUCTING MIT **
EPA representative: Ken Lingo.
 9. Tie onto tbg. Pressure test tbg to 2500 psi for 10 minutes to insure tbg integrity. NU slickline & lubricator. GIH & retrieve blanking plug. ND lubricator & slickline. RD Cyclone full radius tongs w/ backup.
 10. ND BOP & NU injection wellhead. RDMO DDPU. Make all necessary surface connections.
 11. Place well on injection. Target rate = 150 BWIPD.
(Max wellhead pressure = 2390 psi)

GLM - 13 NOV 1992

McElmo Creek Unit K-16 Present Schematic

KB: 4918'
GL: 4902'
Z: 14' AGL

10-3/4" 32.75 & 40.5# H-40
R-3 ST&C 8rd Cag. Cmt'd w/
500 mm cmt to surface.

Inhibited Pfr Fluid

1467'

Equipment Detail

+174 Jts 2-7/8" Fluorelined tbg
Baker HEL O/F tool
Baker Model B Shut-Off valve
7" Baker Inverted Lok-Set pfr

Pfr ● 5482'

PERES

5545'-5552' ==

5560'-5575' ==

5580'-5588' ==

5630'-5638' ==

5686'-5708' ==

5724'-5728' ==

5735'-5758' ==

5764'-5768' ==

5781'-5787' ==

5793'-5800' ==

5810'-5818' ==

5824'-5840' ==

5847'-5855' ==

FLL ● 5753'
(By Survey)

PSTD ● 5774'

7" 20&23# J-55/N-80 ST&C/LT&C
R-1/R-3 Cag. Cmt'd w/
900 mm cmt.

TD 5925'

GL Mendenhall
13 November 1992

McElhmo Creek Unit K-16 Proposed Schematic

KB: 4916'
GL: 4902'
Z: 14' AGL

10-3/4" 32.75 & 40.5# H-40
R-3 ST&C 8rd Cap. Cmt'd w/
800 size cmt to surface.

1457'

Inhibited Pfr Fluid

Top Pfr @ +5464'

PERES

5545'-5582'

5580'-5578'

5580'-5580'

5580'-5580'

Bottom Pfr @ 5678'

5580'-5700'

5724'-5720'

5738'-5728'

5764'-5768'

5781'-5787'

5793'-5800'

5810'-5818'

5821'-5840'

5847'-5885'

P8TD @ 5774'

Equipment Detail

- +174 jts 2-7/8" Fluorelined tbg
- 2-7/8" 316SS XL O/F tool
- w/ 1.781" T" profile
- 2-7/8"x 7" Gullb Uni-Vit HD hyd pfr
- 7 jts 2-7/8" 8rd EUE tbg (ICL/ENP)
- 2-7/8"x 7" Gullb Uni-Vit HD hyd pfr
- 2-7/8" 316SS Profile nipple w/
- 1.58" T" profile & 1.510" No/Go
- 2-7/8"x 10' Fluorelined tailpipe

7" 20&23# J-55/N-80 ST&C/LT&C
R-1/R-3 Cap. Cmt'd w/
900 size cmt.

TD 5825'

GL Mandenhall
13 November 1992

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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RECEIVED
JUN 14 1993

SUBMIT IN TRIPLICATE

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.
K-16

9. API Well No.
43-037-15957

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

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 79705 (915)688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL, 1816' FWL 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 type="checkbox"/> Other WORKOVER
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
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	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

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

- 5-04-93 MIRU NU BOP.
- 5-06-93 TOH W/INJ. ASSEMBLY. LD PKR. PU BIT & SCRAPPER.
- 5-07-93 CLEAN OUT TO 5774. CIRC HOLE SET CIBP @ 5678.
- 5-09-93 PU 214 OF PVC TAIL PIPE, CMT RET, 2 7/8 W.S.
- 5-10-93 SET CMT RET. @ 5464. PUMP 6 BBLs CMT. DO BRADEN HEAD SQZ W/1200 PSI.
- 5-11-93 CMT RET PREMATURELY SET @ 3118. WORK RET. TO GET LOOSE.
- 5-12-93 TOH W/ CMT RET.PU BIT TAG @ 4920. DRILL CMT F/5210' TO 5548. DRILL RET. CIRC HOLE CLEAN.
- 5-13-93 DRILL CMT RET, DRILL CMT F5552 TO 5584. CIRC HOLE CLEAN
- 5-14-93 PU BIT SCRAPPER
- 5-15-93 WASH & REAM F/5464 TO 5475. CIRC. HOLE CLEAN.
- 5-19-93 INJ FW INTO FORM. PUMP 5.5 BBLs SPACER, 12 BBLs ELASTOMER CMT, 1 BBL SPACER. SQZ 2 BBLs SPACER INTO PERFS. SPOT 4.5 BBLs CMT OVER PERFS SET RET @ 5464. START HESITATION SQZ. .5 BBL @ 320 PSI; .5 BBL @ 450 PSI. .25 BBL @ 2500 PSI.3.6 BBLs CMT LEFT IN TBG. PULLED TBG.
- 5-20-93 POH W/16 JTS TBG. TAGGED @ 5460.
- 5-21-93 DRILL OUT CMT RET. @ 5464 DRILL OUT ELASTOMER SQZ TO TOP OF CIBP @ 5675. CIRC. HOLE CLEAN. 5-22-93 DRILL PVC PIP & CIBP. CIBP @ 5710
- 5-23-93 DRILL THRU CIBP. TIH W/BIT & SCRAPPER TO 5700.
- 5-25-93 LD WORK STRING.
- 5-26-93 RIH W/ CMT LINED INJ TBG. FOUND DEFECTIVE EQUIPMENT. WAIT ON EQUIP. APPROX. ONE MONTH. RDMO.

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

Signed SHIRLEY TODD Title ENGINEERING TECHNICIAN Date 6-16-93

(This space for Federal or State office use)

Approved by Shirley Todd Title _____ Date 6-17-93

Conditions of approval, if any: _____

DATE: 6-17-93 BY: [Signature]

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.
K-16

9. API Well No.
43-037-15957

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

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
AUG 9 1993

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 79705

DIVISION OF
OIL GAS & MINING (409) 689-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL, 1816' FWL 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 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.)*

- 5-04-93 MIRU NU BOP.
- 5-06-93 TOH W/INJ. ASSEMBLY. LD PKR. PU BIT & SCRAPPER.
- 5-07-93 CLEAN OUT TO 5774. CIRC HOLE SET CIBP @ 5678.
- 5-09-93 PU 214 OF PVC TAIL PIPE, CMT RET, 2 7/8 W.S.
- 5-10-93 SET CMT RET. @ 5464. PUMP 6 BBLs CMT. DO BRADEN HEAD SQZ W/1200 PSI.
- 5-11-93 CMT RET PREMATURELY SET @ 3118. WORK RET. TO GET LOOSE.
- 5-12-93 TOH W/ CMT RET. PU BIT TAG @ 4920. DRILL CMT F/5210' TO 5548. DRILL RET. CIRC HOLE CLEAN.
- 5-13-93 DRILL CMT RET, DRILL CMT F5552 TO 5584. CIRC HOLE CLEAN
- 5-14-93 PU BIT SCRAPPER
- 5-15-93 WASH & REAM F/5464 TO 5475. CIRC. HOLE CLEAN.
- 5-19-93 INJ FW INTO FORM. PUMP 5.5 BBLs SPACER, 12 BBLs ELASTOMER CMT, 1 BBL SPACER. SQZ 2 BBLs SPACER INTO PERFS. SPOT 4.5 BBLs CMT OVER PERFS SET RET @ 5464. START HESITATION SQZ. .5 BBL @ 320 PSI; .5 BBL @ 450 PSI. .25 BBL @ 2500 PSI. 3.6 BBLs CMT LEFT IN TBG. PULLED TBG.
- 5-20-93 POH W/16 JTS TBG. TAGGED @ 5460.
- 5-21-93 DRILL OUT CMT RET. @ 5464 DRILL OUT ELASTOMER SQZ TO TOP OF CIBP @ 5675. CIRC. HOLE CLEAN. 5-22-93 DRILL PVC PIP & CIBP. CIBP @ 5710
- 5-23-93 DRILL THRU CIBP. TIH W/BIT & SCRAPPER TO 5700.
- 5-25-93 LD WORK STRING.
- 5-26-93 RIH W/ CMT LINED INJ TBG. FOUND DEFECTIVE EQUIPMENT. WAIT ON EQUIP. APPROX. ONE MONTH. RDMO.

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

Signed Shirley Todd SHIRLEY TODD Title ENGINEERING TECHNICIAN OF UTAH DIVISION OF OIL, GAS, AND MINING Date 8-03-93

(This space for Federal or State office use)

Approved by _____ Title _____ DATE: 8-10-93 Date _____

Conditions of approval, if any: _____ BY: J. Matthews

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 K-16
Workover Procedure

1. Lock and tag out all power sources. RU pump and pump lines to christmas tree. Bullhead 150 bbls of 10 ppg brine into well and circulate remainder of hole to 10 ppg brine. Observe well the next day to confirm if well is dead. NOTE: 70 jts of 2-7/8". 6.5 lb/ft J-55 EUE 8rd tubing left in hole for kill string.
2. MI workover rig having 108' derrick. Bleed off casing pressure. Unbolt tree and NU BOP's. PT BOP's to 3000 psi high and 250 psi low.
3. If well is not dead. RU snubbing equipment. Send tree to Bio Red Tool. Farminaton 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. POH laying down 2-7/8". 6.5 lb/ft J-55 EUE 8rd workstring. Install thread protectors while laying down tubing. PU 2-7/8". 6.5 lb/ft CS Hydril workstring. RIH with 6-1/8" rock bit without nozzles. bulldog bailer. and casing scraper for 7". 23 lb/ft casing on 2-7/8" CS Hydril workstring and CD to PBDT at 5766' EL. POH.
5. RU Schlumber wireline and lubricator. PT lubricator to 1000 psi or wellhead pressure if higher. RIH with GR/METT/CCL and log from PBDT at 5766' to 4500' or until short casing joints are located. POH. RIH with junk basket/gauge ring to 5700'. POH. RIH with CIBP and set at 5678' EL. POH. RIH with cement retainer and set at 5500'. POH. RD wireline.
6. RIH with starguide stinger on 2-7/8" CS Hydril workstring. Rabbit workstring while RIH. Sting into cement retainer. PT backside to 2000 psi for 30 minutes (5 percent leakoff or less is acceptable). If backside fails to PT. continue with resin squeeze operation after confirming that there are no returns when injection rates are established. RU cementing head. Monitor backside pressure. Establish injection rate of 1-2 BPM using lease water. Pump 10 bbls diesel. 30 bbls epoxy resin, drop 2-7/8" wiper plug and displace resin with lease water until plug bumps at starguide stinger. Do not exceed 2700 psi surface injection pressure. Pull out of cement retainer and POH with wet string. If obtain 2700 psi squeeze pressure prior to bumping plug, pull out of cement retainer and POH. If 7" casing PT, wait on resin for 12 hours and GO TO STEP NO. 9.

7. If 7" casing failed to PT in Step No. 6. RIH with squeeze packer and 4 jts of 2-3/8" tailpipe. Set squeeze packer at +/- 5370' and PT backside to 2000 psi. PU 500' and reset squeeze packer. PT backside to 2000 psi. Continue up the hole and locate leak. 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 opp brine at maximum surface injection pressure of 2000 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, 3% Microbond, 0.1% CFR-3, and sufficient retarder for 3 hour pump time.
 - C) 5 bbls of fresh water spacer
8. Displace top of slurry to end of tailpipe or to a maximum injection pressure of 2000 psi. Stage squeeze last 4 bbls of cement as necessary to obtain a final squeeze pressure of at least 2000 psi. Release squeeze packer and reverse out. POH. WOC 12 hours.
9. RIH with 6-1/8" rock bit without nozzles on 2-7/8" workstring and clean out cement squeezed perforations (if applicable) and PT to 2000 psi. Resqueeze as necessary. Drill out cement retainer at 5500' and CO to CIBP at 5678'. PT casing to 2000 psi after drilling out each set of resin squeezed perforations. Resqueeze thief perforations with resin as necessary using a cement retainer. Drill out CIBP at 5678' and CO to PBTD at 5766'. POH.
10. RIH with 6-1/8" rock bit without nozzles and casing scraper for 7". 23 lb/ft casing spaced out to not go below 5510', and CO to PBTD at 5766'. POH laying down workstring.
11. RU Schlumberger wireline unit and lubricator. PT lubricator to 1000 psi or wellhead pressure if higher. RIH with 4" casing guns loaded with deep penetrating charges at 4 SPF, 90 degree phasing and perforate 5686'-5708' and 5720'-5758'EL. RIH with junk basket/gauge ring to 5510'. POH.

12. RIH with the following production packer assembly on wireline:

DESCRIPTION	MAX. O.D. in.	MIN. I.D. in.	LENGTH 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 Polvepichlorohvdrin 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

13. Set top of packer at 5470'EL. NOTE: Based on METT casing inspection log. packer depth can be adjusted. Packer needs to be set within 100' of top squeezed perforation at 5545'. POH with setting tool. Bleed off casing pressure. RDMD wireline. RD snubbing unit if it was required in previous steps.

14. 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.	4.25	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	+/- 5470

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

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

15. 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.

16. 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.

17. 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 Hioman, Cortez office. Turn well over to production to place well on CO2 injection. Run profile log within two weeks after cutting well on injection.

Sean S. Murphy, Oper. Engr. Office Phone: 8-333-2208 or 303/565-2208
Home Phone: 303/564-9423
Mobile Phone: 303/749-2130

ENGINEERS CALCULATION SHEET

McElmo Creek Unit # K-16

API # 43-037-15957

JOB OR AUTH. NO.

LOCATION 660' FSL, 1816' FWL, SEC. 6-T415-R25E

PAGE

SUBJECT RESIN PROFILE MODIFICATION

DATE 4/OCT/93

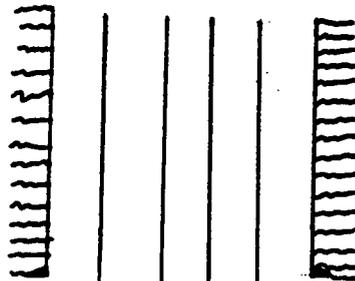
LEASE 14-20-603-372

BY S.S. MURPHY

EXISTING

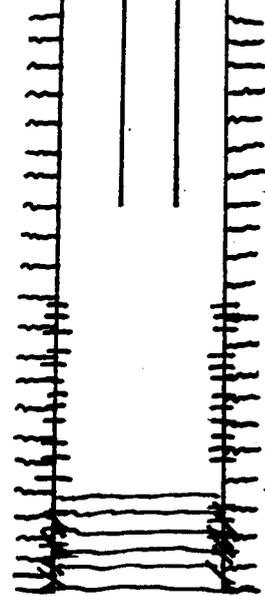
KB: 4918'

GL: 4902'



10-3/4", 32.75/40.5# H-40
 CSG AT 1300' CMT'D W/800SX
 TO SURFACE

70jts 2-7/8", 6.5# EUE
 8rd J-55 TBG



PERFS

5545'-5552', 5560'-5576',
 5580'-5588', 5630'-5668'
 5686'-5708', 5724'-5728'
 5735'-5758'

5764'-5768', 5781'-5787' SQ2D
 5793'-5800', 5810'-5818' SQ2D
 PBTD 5766' 5821'-5840', 5847'-5866' SQ2D

Note: 7", 20# CSG 71'-4060'

TD 5925' 7", 20/23# J-55 CSG at
 5925' cmt'd w/800SX

McElmo Creek Unit # K-16

API # 43-037-15957

JOB OR AUTH. NO.

LOCATION 660' FSL, 1816' FWL, SEC. 6-T41S-R25E

PAGE

SUBJECT RESIN PROFILE MODIFICATION

DATE 4/OCT/93

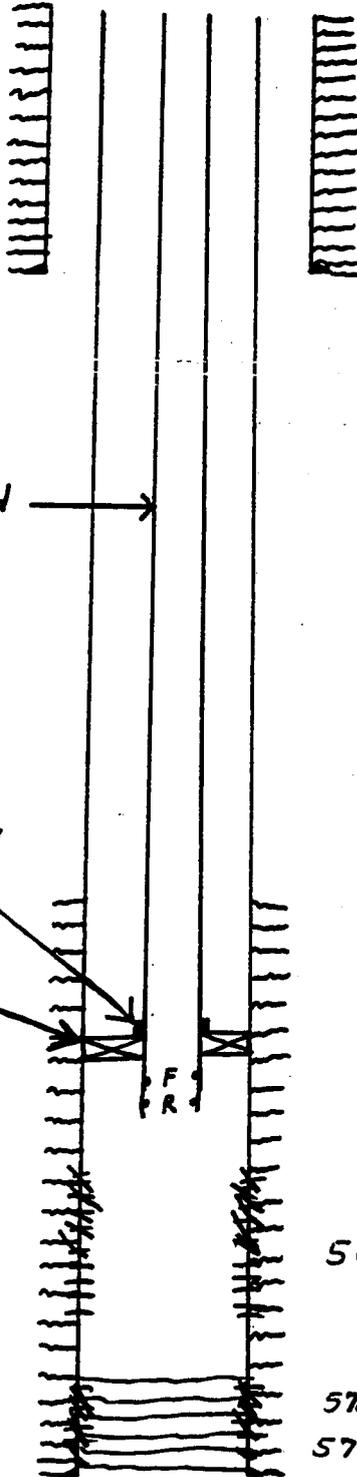
LEASE 14-20-603-372

BY S.S. MURPHY

KB: 4918'

GL: 4902'

PROPOSED



10 3/4" 32.75/40.5# H-40
CSG AT 1300' CMT'D W/800SXS
TO SURFACE

2-7/8" 6.5# J-55 Fluorolined
EUE 8rd tbg w/torque rings

Guiberson ATR Latching Seal
Assembly

Guiberson Wireline Set Uni-X
Packer at ± 5470'
(SEE ATTACHED EQUIP. DETAIL)

★ NOTE: PERFS AT 5545'-5552',
5560'-5576', 5580'-5588',
5630'-5668' SQ2D W/30BBLs
RESIN (EPOXY)

PERFS

5686'-5708', 5720'-5758'
w/45PF

Note: 7", 20# CSG 71'-4060'

PBTD 5766'

TD 5925'

5764'-5768', 5781'-5787' SQ2D

5793'-5800', 5810'-5818', SQ2D

5821'-5840', 5847'-5866' SQ2D

7", 20/23# J-55 CSG at
5925' cmt'd w/900SXS

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.
K-16

9. API Well No.
43-037-15957

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 79705 (915)688-2585

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL, 1816' FWL 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 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 ATTACHMENT

RECEIVED
OCT 25 1993
DIVISION OF
OIL, GAS & MINING

ACCEPTED BY THE STATE
OPERATION OF
OIL, GAS & MINING
DATE: 10-26-93
JM Jattelus

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

Signed Shirley Todd SHIRLEY TODD Title ENGINEERING TECHNICIAN Date 10-20-93

(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.

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.
K-16

9. API Well No.
43-037-15957

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UT

SUBMIT IN TRIPLICATE

FEB 07 1994

**DIVISION OF
OIL, GAS & MINING**

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, 1816' FWL 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 type="checkbox"/> Other WORKOVER
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	<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.)*
ATTACHED REVISED PROCEDURE SUPERSEDES THE PROCEDURE OF 10-20-93

**Accepted by the State
of Utah Division of
Oil, Gas and Mining
Date: 2-9-94
By: [Signature]**

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

Signed Shirley Todd **SHIRLEY TODD**

Title **ENGINEER TECHNICIAN**

Date **2-2-94**

(This space for Federal or State office use)

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

McElmo Creek K-16
Workover Procedure

1. Lock and tag out all power sources. RU pump and pump lines to christmas tree. Bullhead 150 bbls of 10 ppg brine into well and circulate remainder of hole to 10 ppg brine. Observe well the next day to confirm if well is dead. NOTE: 70 jts of 2-7/8", 6.5 lb/ft J-55 EUE 8rd tubing left in hole for kill string.
2. MI workover rig having 108' derrick. Bleed off casing pressure. Unbolt tree and NU BOP's. PT BOP's to 3000 psi high and 250 psi low.
3. If well is 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. POH laying down 2-7/8", 6.5 lb/ft J-55 EUE 8rd workstring. Install thread protectors while laying down tubing. PU 2-7/8", 6.5 lb/ft CS Hydril workstring. RIH with 6-1/8" rock bit without nozzles, and casing scraper for 7", 23 lb/ft casing on 2-7/8" CS Hydril workstring and CO to PBTD at 5766' EL. POH.
5. RU Schlumberger wireline and lubricator. PT lubricator to 1000 psi or wellhead pressure if higher. RIH with GR/METT/CCL and log from PBTD at 5766' to 4500' or until short casing joints are located. NOTE: Running METT log will be contingent on wellhead pressure. POH. RIH with junk basket/gauge ring to 5700'. POH. RIH with CIBP and set at 5678' EL. POH. RIH with cement retainer and set at 5500'. POH. RD wireline.
6. RIH with starguide stinger on 2-7/8" CS Hydril workstring. Rabbit workstring while RIH. Sting into cement retainer. PT backside to 2000 psi for 30 minutes (5 percent leakoff or less is acceptable). If backside fails to PT, continue with resin squeeze operation after confirming that there are no returns when injection rates are established. RU cementing head. Monitor backside pressure. Establish injection rate of 1-2 BPM using lease water. Pump 7 bbls epoxy resin, drop 2-7/8" wiper plug and displace resin with lease water until plug bumps at starguide stinger. Do not exceed 2500 psi surface injection pressure. Pull out of cement retainer. Pressure up on workstring to +/- 3500 psi and shear out wiper plug. POH. If obtain 2500 psi squeeze pressure prior to bumping plug, pull out of cement retainer, bump and shear out wiper plug. POH. If 7" casing PT, wait on resin for 24 hours and GO TO STEP NO. 9.

7. If 7" casing failed to PT in Step No. 6, RIH with squeeze packer and 4 jts of 2-3/8" tailpipe. Set squeeze packer at +/- 5370' and PT backside to 2000 psi. PU 500' and reset squeeze packer. PT backside to 2000 psi. Continue up the hole and locate leak. 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 2000 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, 3% Microbond, 0.1% CFR-3, and sufficient retarder for 3 hour pump time.
 - C) 5 bbls of fresh water spacer
8. Displace top of slurry to end of tailpipe or to a maximum injection pressure of 2000 psi. Stage squeeze last 4 bbls of cement as necessary to obtain a final squeeze pressure of at least 2000 psi. Release squeeze packer and reverse out. POH. WOC 12 hours.
9. RIH with 6-1/8" rock bit without nozzles on 2-7/8" workstring and clean out cement squeezed perforations (if applicable) and PT to 2000 psi. Resqueeze as necessary. Drill out cement retainer at 5500' and CO to CIBP at 5678'. PT casing to 2000 psi after drilling out each set of resin squeezed perforations. Resqueeze thief perforations with resin as necessary using a cement retainer. Drill out CIBP at 5678' and CO to PBTD at 5766'. POH.
10. RIH with 6-1/8" rock bit without nozzles and casing scraper for 7", 23 lb/ft casing spaced out to not go below 5510', and CO to PBTD at 5766'. POH laying down workstring.
11. RU Schlumberger wireline unit and lubricator. PT lubricator to 1000 psi or wellhead pressure if higher. RIH with 4" casing guns loaded with deep penetrating charges at 4 SPF, 90 degree phasing and perforate 5686'-5708' and 5720'-5758'EL. RIH with junk basket/gauge ring to 5510'. POH.

McElmo Creek Unit # K-16

API # 43-037-15957

JOB OR AUTH. NO.

LOCATION 660' FSL, 1816' FWL, SEC. 6-T41S-R25E

PAGE

SUBJECT RESIN PROFILE MODIFICATION

DATE 4/OCT/93

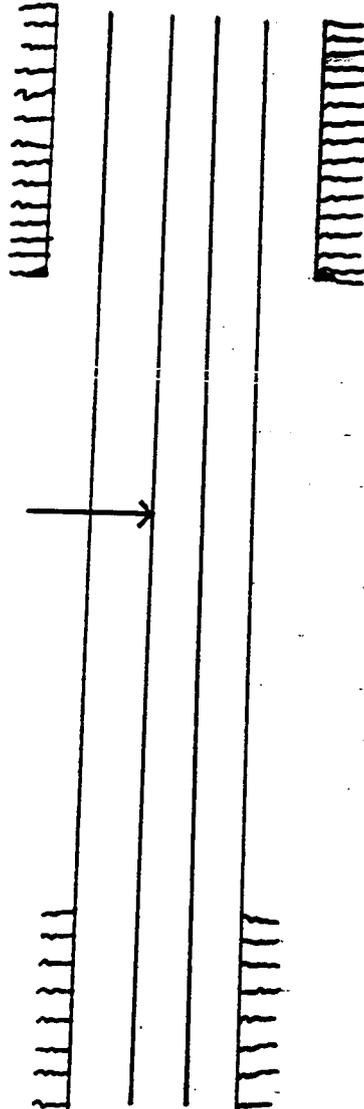
LEASE 14-20-603-372

BY S.S. MURPHY

EXISTING

KB: 4918'

GL: 4902'



10-3/4", 32.75/40.5# H-40
CSG AT 1300' CMT'D W/800SX
TO SURFACE

70jts 2-7/8", 6.5# E4E
8rd J-55 TBG

PERFS

5545'-5552', 5560'-5576',
5580'-5588', 5630'-5668'
5686'-5708', 5724'-5728'
5735'-5758'

Note: 7", 20# CSG 71'-4060'

5764'-5768', 5781'-5787' SQ2D
5793'-5800', 5810'-5818' SQ2D
PBTD 5766' 5821'-5840', 5847'-5866' SQ2D
TD 5925' 7", 20/23# J-55 CSG at

McElmo Creek Unit # K-16

API # 43-037-15957

JOB OR AUTH. NO.

LOCATION 660' FSL, 1816' FWL, SEC. 6-T415-R25E

PAGE

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DATE 4/OCT/93

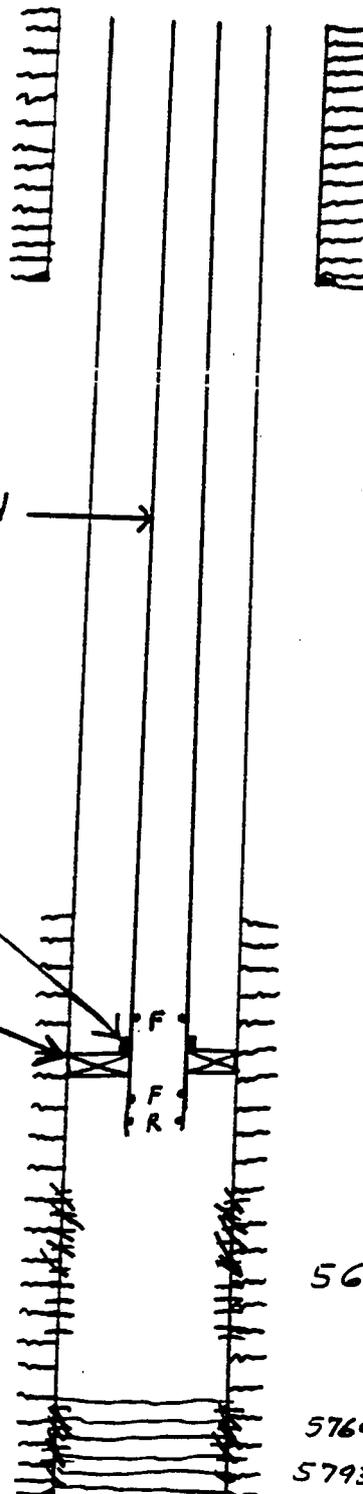
LEASE 14-20-603-372

BY S.S. MURPHY

KB: 4918'

GL: 4902'

PROPOSED



10 3/4" 32.75/40.5# H-40
CSG AT 1300' CMT'D W/800SKS
TO SURFACE

2-7/8" 6.5# J-55 Fluorolined
EUE 8rd tbg w/torque rings

Guiberson ATR Latching Seal
Assembly

Guiberson Wireline Set Uni-X
Packer at ± 5470'
(SEE ATTACHED EQUIP. DETAIL)

* NOTE: PERFS AT 5545'-5552',
5560'-5576', 5580'-5588',
5630'-5668' SQZD W/30BBLs
RESIN (EPOXY)

PERFS

5686'-5708', 5720'-5758'
w/45PF

5764'-5768', 5781'-5787' SQZD
5793'-5800', 5810'-5818', SQZD
5821'-5840', 5847'-5866' SQZD

Note: 7", 20# CSG 71'-4060'

PBT D 5766'
TD 5925' 7", 20/23# J-55 CSG at

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 K-16

9. API Well No.
43-037-15957

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

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

3. Address and Telephone No.

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

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

660' FSL, 1816' FWL; SEC. 6, T41S, R25E, SE SW

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

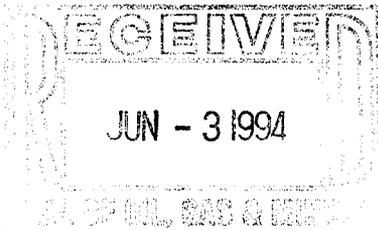
TYPE OF ACTION

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

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

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

MOBIL REQUESTS SI STATUS. WAITING ON FUNDING FOR WORKOVER.



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

Signed *D. Jones for Shirley Jodel* Title ENV. & REG. TECHNICIAN

Date 05/31/94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

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

* See Instruction on Reverse Side

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Oil Well Gas Well Other

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660' FSL, 1816' FWL; SEC. 6, T41S, R25E, SE SW

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Notice of Intent
 Subsequent Report
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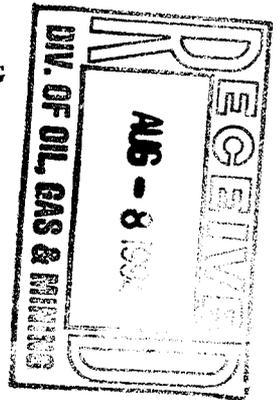
TYPE OF ACTION

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

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

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- 06/20/94 MIRU.
- 06/21/94 SHUT WELL IN AND MONITORED SI PRESSURES, 2 HR SITP=380 PSI; 2 HR SICP=830 PSI
- 06/22/94 BLED CSG DOWN THRU CHOKE-CO2 GAS, WHEN CSG BLED DOWN TO 100 PSI STARTED GETTING FLUID TO SURFACE. SHUT IN CSG AND STARTED BLEEDING DOWN TBG-HAD GAS CUT FLUID TO SURFACE INSTANTLY.
- 06/24/94 PUMP 100 SX CLASS G CMT W/2.5 #/SK MICRO BOND AND 5/10 OF 1% CFR-3, MIXED AT 17 PPG, AND DISPLACED W/28 BBLs TO +/-2570'.
- 06/27/94 ND WELLHEAD, NU BOP AND RIH W/60 JTS 2-7/8". RIH ON 69 JTS 2-7/8" TAGGED CMT AT 2205'.
- 06/28/94 DRILLED CMT STRINGERS FROM 2205 TO 2561'. HIT GOOD CMT AT 2561 AND DRILLED TO 2593. CIRC CSG CLEAN.
- 06/29/94 DRILLED HARD CMT FROM 2593 TO 2886'; CIRC CSG CLEAN
- 06/30/94 DRILLED CMT FROM 2886-2938'. CIRC OUT CO2, TRIED TO CLEAN OUT TO 5766'.
- 07/01/94 RAN GR/CCL FROM 5717 TO 4500'. RAN JB/6 1/8" GR TO 2859'. RIH W/CIBP AND SET AT 5678'. RIH W/CICR AND SET AT 5500'.
- 07/05/94 STING INTO CICR @5500'. TST TBG @3000# PSI, HELD OK. PRESS TEST CSG TO 1000# PSI FOR 30 MINUTES.
- 07/06/94 Sting into cizr. Press annulus @ 1050 psi. Pump 15 bbls epoxy resin & displace w/27.5 bbls fw. TAG CICR @ 5500' & DUMP 5' CMT ON TOP OF CICR.
- 07/08/94 DRILLING ON CEMENT CAP ON TOP OF CICR. STICKEY UNCURED EPOXY RESIN. LET EPOXY RESIN CURE.
- 07/11/94 DRILL OUT CMT & CICR @5500' THEN WASH DOWN 8' TO 5526'. CIRC TO CLEAN WELLBORE @ 5526'
- 07/12/94 WASHED OUT SOFT RESIN CNT TO 5559'. CIRC CSG CLEAN.



(SEE BACK FOR CONTINUATION)

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

Signed *D. Davis for Shirley Joss* Title ENV. & REG. TECHNICIAN

Date 08/03/94

(This space for Federal or State office use)

Approved by _____ Title _____

Date *tax credit*

Conditions of approval, if any:

8/22/94

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



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

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5. Lease Designation and Serial No.

14-20-603-372

6. Indian, Allottee or Tribe Name

NAVAJO TRIBAL

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation

MCELMO CREEK

1. Type of Well

Oil Well

Gas Well

Other

INJECTION

8. Well Name and No.

MCELMO CREEK K-16

2. Name of Operator

Mobil Exploration & Producing U.S. Inc.
as Agent for Mobil Producing TX & NM Inc.

9. API Well No.

43-037-15957

3. Address and Telephone No.

P.O. Box 633, Midland, TX 79702

(915) 688-2585

10. Field and Pool, or exploratory Area

GREATER ANETH

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

660 FSL; 1816 FWL
SEC.6, T41S, R25E SESW

11. County or Parish, State

SAN JUAN UT

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

TYPE OF SUBMISSION

- Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
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 Other WORKOVER
 Change of Plans
 New Construction
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 Water Shut-Off
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 Dispose Water

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

**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 2-9-95

(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

MEPUS, FOUR CORNERS AREA
WORKOVER PROGRAM

RESIN PROFILE MODIFICATION
(REVISED)

FIELD: Greater Aneth
LEASE: McElmo Creek Unit

DATE: 7/FEB/95
WELL: K-16
PRISM ID #: 0000278

LOCATION: SE 1/4 of SW 1/4 of Sec. 6 - T41S - R25E

ELEVATION: 4918' RKB
PBDT: 5470 FT. MD. (Current)

TOTAL DEPTH: 5925 FT. MD.

WORKOVER RIG: BIG A
WORKOVER FLUID: 10 ppg brine

EXISTING PERFS: 5545'-5552', 5560'-5576', 5580'-5588', 5630'-5668',
5686'-5708', 5724'-5728', 5735'-5758' 2 SPF

PROPOSED PERFS: 5686'-5715', 5722'-5760' 4 SPF

LAST INJECTION RATE: 17/Mar/93: 234 BWPD injected at 2500 psi.
43 percent of injection water going into thief
zone (Upper Ismay).

PROPOSED WORK: Squeeze perforation interval from 5545' to 5588' with 15
bbls of epoxy resin. CO squeeze and PT, CO out to PBDT at 5766',
perforate 5686'-5715' and 5722'-5760', run GR/METT/CCL log, set a
wireline set, tubing retrievable packer, complete well with a latching
seal assembly on 2-7/8", 6.5 lb/ft J-55 EUE 8rd KCTS fluorolined tubing.

If the well can not be killed with 10 ppg brine, snubbing operations
will be used for this workover until a wireline set production packer
having a pump out plug has been set.

JUSTIFICATION: The K-16 has been shut in since May, 1993 after two
unsuccessful attempts to modify injection profile with elastomer
cement and one unsuccessful attempt to modify injection profile using
epoxy resin. The last attempt was a failure due to mechanical
malfunction of the pumping equipment. Thief zone in Upper Ismay is
taking 43 percent of injection fluid based on a profile log run February
2, 1991. Repair of this well will allow the continuation of the
miscible flood in this pattern. This well directly supports 60 BOPD.
Detailed economics are as follows:

8/8ths Investment: \$200M
Production Uplift: 60 BOPD
Payout: 1.13 years
Cashflow: \$696M
NPV @ 12%: \$433M
BOPD Uplift/M\$ Invested: 0.30
Response Time: 6 months

PREPARED BY: S. S. MURPHY
OPERATIONS ENGR.

APPROVED BY: _____
FGTT LEAD

Distribution: E. T. Barber - Aneth
T. M. Kuykendall - Cortez
T. Cochrane - Cortez
W. F. Hannes - 1033 MOB
G. D. Cox - 1103 MOB

S. A. Todd - 1206 MOB
J. K. Jenkins - 532 MOB
Aneth Files
Cortez Files

McElmo Creek K-16
Workover Procedure

1. MI workover rig having 108' derrick. Bleed off casing pressure. Unbolt tree and NU BOP's. PT BOP's to 3000 psi high and 250 psi low.
2. 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.
3. PU 2-7/8", 6.5 lb/ft CS Hydril or PH-6 workstring. Inform Halliburton of type/weight of integral joint workstring used so they can have appropriate wiper plug for resin squeeze. RIH with 6-1/8" rock bit without nozzles on workstring and drill out cement retainer at 5470' using 10 ppg brine. CD to CIBP at 5678'. Note: Uncured resin may be found below cement retainer. Establish injection rate of 1-2 BPM not exceeding 2000 psi surface injection pressure. If can not pump into well notify Sean Murphy at 303/564-5208 for decision to continue with resin squeeze. POH.
4. RIH with CIBP on wireline and set at 5600'. Establish injection rate of 1-2 BPM down casing not exceeding 2000 psi surface injection pressure. If can not pump into well notify Sean Murphy at 303/564-5208 for decision to continue with resin squeeze. RIH with cement retainer and plug catcher on workstring and set at 5515'. Rabbit workstring while RIH.
5. Sting into cement retainer. PT backside to 2000 psi for 30 minutes (5 percent leakoff or less is acceptable). If backside fails to PT, continue with resin squeeze operation after confirming that there are no returns when injection rates are established. RU cementing head. Put 500 psi on backside. Monitor backside pressure. Establish injection rate of 1-2 BPM using 10 ppg brine. Pump 15 bbls epoxy resin containing 1 ppg of silica fluor, drop 2-7/8" wiper plug and displace resin with 10 ppg brine until plug seats. Do not exceed 2500 psi surface injection pressure. Pull out of cement retainer. Shear plug into plug catcher by pressuring to 2500 psi. POH. If obtain 2500 psi squeeze pressure prior to plug reaching plug catcher, pull out of cement retainer, pump plug to plug catcher. POH. If 7" casing PT, wait on resin for 48 hours and GO TO STEP NO. 8.

6. If 7" casing failed to PT in Step No. 5, RIH with squeeze packer and 3 jts of 2-3/8" tailpipe. Locate and squeeze casing leak using 100 sxs class B cement retarded for 3 hour pump time with fresh water spacers in front and behind cement.
7. Displace top of slurry to end of tailpipe or to a maximum injection pressure of 2000 psi. Stage squeeze last 4 bbls of cement as necessary to obtain a final squeeze pressure of at least 2000 psi. Release squeeze packer and reverse out. POH. WOC 12 hours.
8. RIH with 6-1/8" rock bit without nozzles on 2-7/8" workstring and clean out cement squeezed perforations (if applicable) and PT to 2000 psi. Resqueeze as necessary. Drill out cement retainer at 5515' and CO to CIBP at 5600'. PT casing to 2000 psi after drilling out resin. Resqueeze using cement if resin squeeze was unsuccessful. Drill out CIBP at 5600' and 5678'. CO to PBDT at 5766'. POH.
9. RIH with 6-1/8" rock bit and casing scraper for 7", 23 lb/ft casing spaced out to not go below 5510', and CO to PBDT at 5766'. POH laying down workstring.
10. RU Schlumberger wireline and lubricator. PT lubricator to 1000 psi or wellhead pressure if higher. RIH with GR/METT/CCL and log from PBDT at 5766' to 4700'. POH.
11. RIH with 4" casing guns loaded with deep penetrating charges at 4 SPF, 90 degree phasing and perforate 5722'-5760' and 5686'-5715'EL. RIH with junk basket/gauge ring to 5490'. POH.

12. RIH with the following production packer assembly on wireline:

DESCRIPTION	MAX. O.D. in.	MIN. I.D. in.	LENGTH 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

NOTE: All connections to be made up with Seallube.

13. Set top of packer at 5470'EL. NOTE: Based on METT log, packer depth can be adjusted. POH with setting tool. Bleed off casing pressure. RDMO wireline. RD snubbing unit.

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

DESCRIPTION	MAX. O.D.	MIN. I.D.	LENGTH
	in.	in.	ft.
2-3/8", 4.7 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.	4.25	2.25	11.0
316 stainless steel Model F non-ported seating nipple, Size 1.87 w/2-3/8", 4.7 lb/ft EUE 8rd AB Modified box x pin	3.063	1.87	2.0
316 stainless steel 2-7/8", 6.5 lb/ft EUE 8rd AB Modified Box x 2-3/8", 4.7 lb/ft EUE 8rd pin x-over	3.668	2.25	1.0
2-7/8" KCTS box X EUE 8rd pin	3.668	2.14	1.0
2-7/8", 6.5 lb/ft J-55 KCTS (Threadmasters Torque Ring) Fluorolined Tubing w/pup joints as required	3.668	2.14	+/- 5470

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

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

15. Sting seal assembly into production packer and space out for 15,000 lbs compression at surface. FT 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.

16. 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. RDMO workover rig. Hook up injection lines. Clean location.

17. Perform Mechanical Integrity Test (MIT) for EPA. Contact Jim Walker of the Navajo EPA in Shiprock at 505/368-1040 to witness. Use chart recorder to record test. Send copies of chart to Shirley Todd, Midland - 1206 MOB, Ed Barber - Aneth, and Aneth files. Fill out Utah tax credit form and submit to Tiny Higman, Cortez office. After obtaining an acceptable MIT, place well on water injection on maximum choke.

VENDORS LIST

<u>DESCRIPTION</u>	<u>VENDOR</u>
Snubbing Unit (If Necessary)	Not Specified
Corrosion Inhibitor	Tretolite
Supervision of running tubulars	Threadmasters
Torque Turn Services	Not Specified
Logging, perforating, junk basket/ gauge ring, packer setting	Schlumberger
Production packer, 316 stainless steel tubing nipples, seal assembly, wireline re-entry guide, pump out plug	Guiberson
316 Stainless steel pup joints, x-overs	Guiberson
Cementing Services (If Necessary)	Cementers, Inc.
Epoxy Resin Services, cementing head, 2-7/8" wiper plug, cement retainer, plug catcher	Halliburton
Inspection of Christmas Tree	Big Red Tool
Inspection of used tubing string and repair	Permian Interprises
Bit, scraper, squeeze packer CIBP, work string, water hauling	Not Specified

7/FEB/95

McElmo Creek K-16

EXISTING

KB: 4918'
GL: 4902'

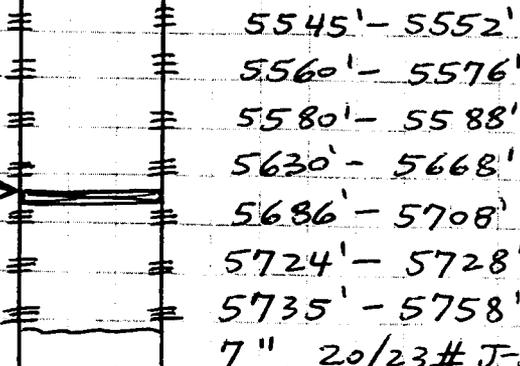
10-3/4" 32.75/40.5# H-40
CSB at 1300' cont'd
w/ 800 SXS to surface

10 PPG
BRINE

NOTE: PERFS AT 5764'-5866'
SOZ'D w/CMT

Cement Retainer
at 5470'

PERFS



Note: Resin CO to 5525'
PRIOR TO SETTING
CMT RET AT 5470

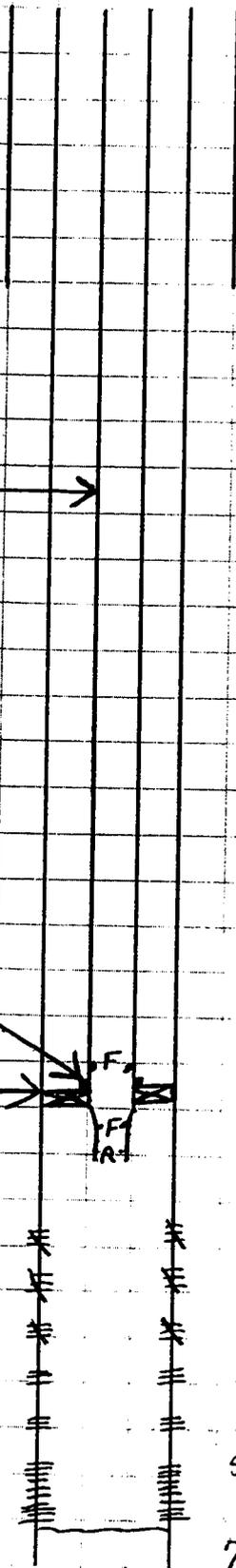
PBTD 5470'
TD 5925' at 5925' cont'd w/ 900 SXS

7/FEB/95

McElmo Creek K-16

PROPOSED

KB: 4918'
GL: 4902'



10-3/4", 32.75/40.5# H-40
CSG at 1300' cont'd
w/ 800 SXS to surface

2-7/8, 6.5# J-55
Fluorolined EUE 8rd
KCTS tubing

NOTE: PERFS AT 5764'-5866'
SQZ'D w/CMT

Guiberson ATR Latching Seal
Assembly

Guiberson Uni-X
wireline set packer
at 5470'



PERFS

- 5545' - 5552'
- 5560' - 5576'
- 5580' - 5588'
- 5630' - 5668'
- 5686' - 5715'
- 5722' - 5760'

SQZ'D w/15 BBL'S
EPOXY RESIN

PBTD 5766'
TD 5925'

7", 20/23# J-55 CSG
at 5925' cont'd w/900 SXS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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, 1816' FNL
SEC. 6, T41S, R25E

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 K-16

9. API Well No.
43-037-15957

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other **WORKOVER**

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

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

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

- 05-03-95 MIRU NU BOP
- 05-05-95 DRILL RESIN PLUG (APPROX. 15') CIRC. HOLE CLEAN.
- 05-06-95 RIH W/BIT DRILL ON RET. 5470' - 5472' DRILL ON RET. PUSH DOWN HOLE TO 5671'. TOP OF CIBP AT 5678'
- 05-08-95 DRILL ON RET & CIBP 5671' - 5677'
- 05-09-95 DRILL OUT CIBP AT 5677' & CLEAN OUT TO 5766'. CIRC. WELL CLEAN & PUMP 30 BBLS FW.
- 05-10-95 SET CIBP AT 5600'. SET CMT RET AT 5515'.
- 05-11-95 TIH W/ PLUG CATCHER TO 5510'. PUMP 12 BBLS EPOXY RESIN.
- 05-18-95 DRILL OUT CMT RET & CLEAN OUT TO 5600'.
- 05-19-95 SET CMT RET AT 5510'. PUMP 100X CL B CMT + 2% CACL2.
- 05-20-95 DRILL CMT RET & CMT TO 5520'
- 05-22-95 DRILL OUT CMT TO 5600'. CIRC WELL CLEAN. PRESS TEST CSG TO 2000 PSI
- 05-23-95 CIBP AT 5600'. SPOT BALANCED PLUG ACROSS PERFS F/5275-5600' W/75X CL B CMT + 2% CACL2.
- 05-24-95 TAG TOC AT 5215'. DRILL OUT CMT F/5215/5508. CIRC. WELL
- 05-25-95 DRILL OUT CMT F/5508-5598. PRESS TEST SQZ TO 2000 PSI & HELD. DRILL ON CMT RET ON TOP OF CIBP.

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

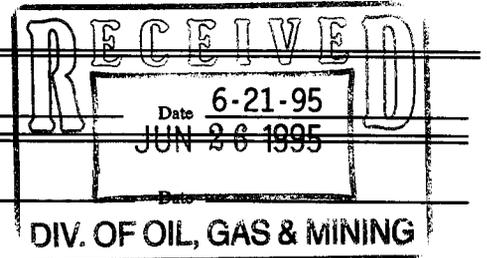
Signed Shirley Robertson

Title ENV. & REG. TECHNICIAN

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title Tax credit
6/5/95



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

Attn: R. J. Firth
Associate Director

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,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-L/C	7-PL
2-LWP	8-SJ
3-DES	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>037-15957</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

- Lee* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 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) no. Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* *OTS* *8/5/95* 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.
- 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 LIC F5/Not necessary!

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

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 K-16

9. API Well No.

43-037-15957

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/SW) SEC.6, T41S, R25E
660' FSL & 1816' FWL

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other MIT & CHART

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

SCHEDULED MIT (1998)

ATTACHED MIT & CHART

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

Signed Shirley Houchins Title SHIRLEY HOUCHINS, ENV. & REG. TECH Date 2-04-99

(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

ANNULAR PRESSURE TEST

(Mechanical Integrity Test)

Operator Mobil E. & P., Inc. Date of Test 12-8-98
 Well Name MCU # K-16 EPA Permit No. _____
 Location Sec. 6, T40S-R25E Tribal Lease No. 1420603372
 State and County San Juan County, Utah

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

<u>TIME</u>	<u>ANNULUS PRESSURE, psi</u>		<u>TUBING PRESSURE, psi</u>
	<u>gauge</u>	<u>recorder</u>	<u>gauge</u>
3:03 PM	1040	1075	2425
3:08 PM	1040	1070	2425
3:13 PM	1040	1069	2425
3:18 PM	1040	1065	2425
3:23 PM	1040	1064	2425
3:28 PM	1040	1063	2425
3:33 PM	1040	1063	2425

MAX. INJECTION PRESSURE: 2750 PSI
 MAX. ALLOWABLE PRESSURE CHANGE: 53.75 PSI (TEST PRESSURE X 0.05)
 REMARKS: Passed? Failed? If failed, cease injection until well passes MIT (40CFR§144.21(c)(6)).

PASSED MIT

IVAN BENALLY
 COMPANY REPRESENTATIVE: (Print and Sign)
MELVINA K. CLAH
~~Melvin Capitan Jr.~~ Melvina K. Clah
 INSPECTOR: (Print and Sign)

12-8-98
 DATE
12-8-98
 DATE

ExxonMobil Production Company

U.S. West

P.O. Box 4358

Houston, Texas 77210-4358

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.

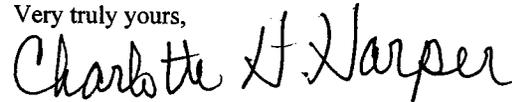
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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 27 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
~~XXXXXXXXXXXXXX~~
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,

GENNI 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	<i>DBM</i>
NATV AM MIN COORD	_____
SOLID MIN TEAM	_____
PETRO MENT TEAM	<i>2</i>
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

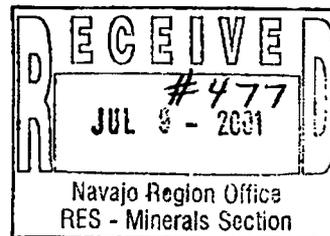
AS 7/12/2001
JH
543
File

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.

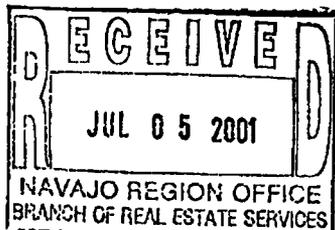
If you have any questions , please contact Alex Correa at (713) 431-1012.

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 Isaac

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.

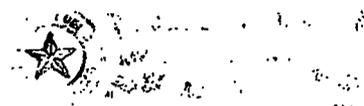
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

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

1000 West Loop South, Suite 1900, Houston, Texas 77027-3301
Houston, TX 77027-4600 • Faxes: (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.

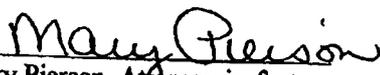
ExxonMobil Oil Corporation

By:



FEDERAL INSURANCE COMPANY

By:



Mary Pierson, Attorney-in-fact



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 Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas----- R.F. Bobo,

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 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.135 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.

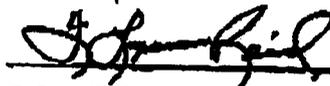
IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



F. A. Risch, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

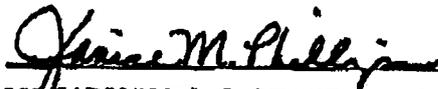
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.



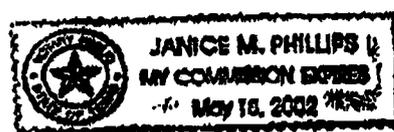
F. L. REID, Secretary

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 09:06 NO.132 04/04
F010601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

**STATE OF NEW YORK
DEPARTMENT OF STATE**

100 cc

Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

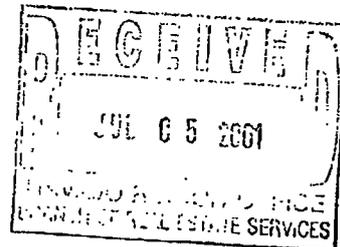
6949 Las Colinas Blvd.
(Mailing address)

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**



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)						
NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MCELMO CREEK S-16	04-41S-25E	43-037-16152	5980	INDIAN	WI	A
MCELMO CR U-14	04-41S-25E	43-037-16156	5980	INDIAN	WI	A
MCELMO CR U-16	04-41S-25E	43-037-16157	5980	INDIAN	WI	A
NAVAJO P-4 (MCELMO R-13)	04-41S-25E	43-037-16148	99990	INDIAN	WI	A
NAVAJO P-1 (MCELMO R-15)	04-41S-25E	43-037-16149	99990	INDIAN	WI	A
NAVAJO P-6 (MCELMO T-13)	04-41S-25E	43-037-16378	99990	INDIAN	WI	A
NAVAJO P-5 (MCELMO T-15)	04-41S-25E	43-037-16379	99990	INDIAN	WI	A
NAVAJO 11-5 (MCELMO N-13)	05-41S-25E	43-037-15966	99990	INDIAN	WI	A
NAVAJO C-3 (MCELMO O-16)	05-41S-25E	43-037-15969	99990	INDIAN	WI	A
NAVAJO C-8 (MCELMO P-15)	05-41S-25E	43-037-15972	99990	INDIAN	WI	A
NAVAJO C 42-5 (MCELMO Q-14)	05-41S-25E	43-037-15974	99990	INDIAN	WI	A
NAVAJO C-5 (MCELMO Q-16)	05-41S-25E	43-037-15975	99990	INDIAN	WI	A
NAVAJO C-6 (MCELMO N-15)	05-41S-25E	43-037-16363	99990	INDIAN	WI	A
NAVAJO C 22-5 (MCELMO O-14)	05-41S-25E	43-037-16365	99990	INDIAN	WI	A
NAVAJO C-31-5 (MCELMO P-13)	05-41S-25E	43-037-16368	99990	INDIAN	WI	A
NAVAJO C 13-6 (MCELMO J-15)	06-41S-25E	43-037-15954	99990	INDIAN	WI	A
NAVAJO C 22-6 (MCELMO K-14)	06-41S-25E	43-037-15956	99990	INDIAN	WI	A
MCELMO CR K-16	06-41S-25E	43-037-15957	5980	INDIAN	WI	A
NAVAJO C 31-6 (MCELMO L-13)	06-41S-25E	43-037-15959	99990	INDIAN	WI	A
NAVAJO 33-6 (MCELMO L-15)	06-41S-25E	43-037-15960	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:

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

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

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"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<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	
	<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>

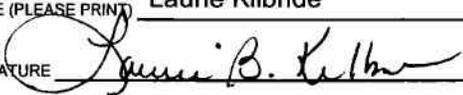
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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
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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
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1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: MCELMO CR K-16
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2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037159570000
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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 1816 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 06 Township: 41.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH
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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: 8/22/2014 <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 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 checked="" 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" value="UIC Repair"/>

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 a UIC repair on the above well. Attached are the procedures and schematic

Accepted by the Utah Division of Oil, Gas and Mining
 August 28, 2014
Date: _____
By: Dark Ount

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 8/18/2014	

RESOLUTE

NATURAL RESOURCES

MCU K-16 UIC Repair

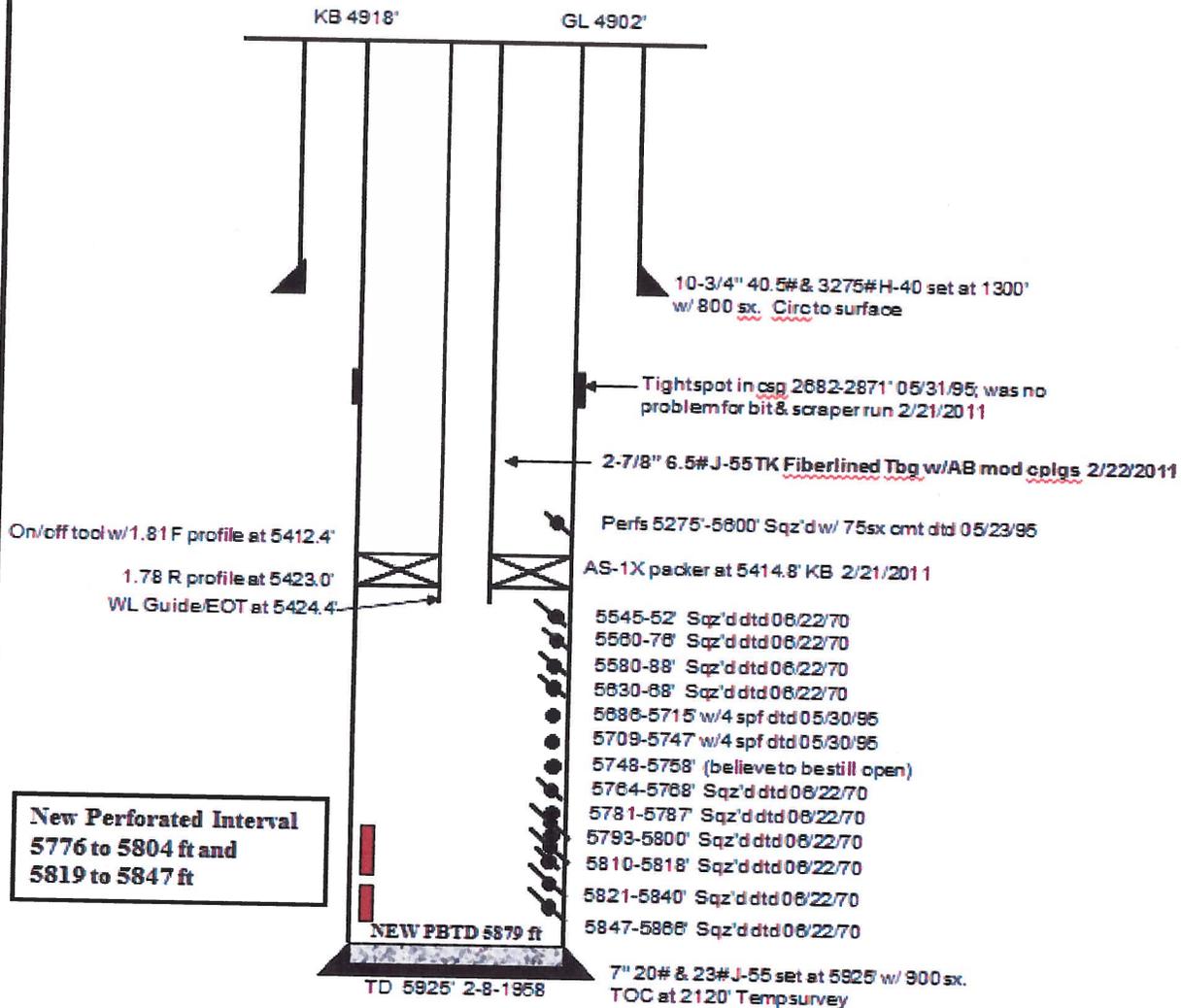
Horsley Witten: YES

Procedure

1. Well has 1.78 plug set at 5422' KB (6/26/2014). Re-bleed TP & CP & check to see they stay at zero.
 2. MIRU WSU, LOTO.
 3. ND WH & NU BOP's. Test BOP's.
 4. RU Great White Snubbing Unit & spacer spool.
 5. Unset pkr & TOH w/2-7/8 TK Fiberline tbg & 7" AS-1X packer, standing back & inspecting each connection (tbg was run 2/22/2011), on/off tool, and packer condition (pkr run 2/21/2011). Re-run or replace tbg per inspection results*.
 6. RIH w/bit, string float, & scraper spaced to keep scraper above 5540'; CO to 5879' PBD.
 7. POOH & LD bit & scraper.
 8. RIH w/7" treating packer w/plug in nipple profile, and bypass, plus ~437' tailpipe to acidize w/2000 gal 20% inhibited HCl.
 9. Set pkr at 5410' KB, EOT to ~btm perf at 5847'.
 10. PT casing & packer to 1000 psi/30 min. Bleed off pressure.
 11. RU WL & retrieve plug from nipple profile at pkr. RD WL.
 12. Open bypass, circ acid, returns on choke, past btm of TP, up to top perf at 5686'; close bypass, put 750 psi on backside. Soak 15 min.
 13. Pump acid away at max rate possible, using 3500 psi max TP. Monitor backside pressure.
 14. Overdisplace EOT with 25 bbls fresh water. Record ISIP, 5, 10, and 15 min SI pressures.
 15. RU WL & set plug in nipple profile at pkr; snub out of hole w/treating packer & TP.
 16. RIH w/ new 7" AS-1X packer on injection tubing w/1.78 plug in place below pkr, to pkr set depth of 5410' KB/top of pkr. Correlate to 2-5-58 GRN/CCL - attached, KB = 16', collars at 5406' & 5450' KB.
 17. RU WL and retrieve the 1.78 plug. Circulate packer fluid. Re-set the 1.78 plug & set the packer at 5410' KB/top of pkr. Perform mock MIT.
 18. Space out & land tubing. Perform second mock MIT.
 19. ND snubbing unit & BOP, NU WH. Test void to 2500 psi. RD WSU.
 20. MIRU slickline unit. Test lubricator to 2500 psi.
 21. RIH gauge ring, shear plug, and retrieve 1.78 plug. RDMO slickline unit.
 22. Backflow the lateral line.
 23. Schedule witnessed MIT w/NNEPA.
 24. Notify Area Injection Supervisor Pierce Benally (435) 444-9957 that well is ready for reconnect & return to injection.
- * If tubing is replaced, consult Bill Albert or Jim Styler for tbg type to be run back in the well.

McELMO CREEK UNIT # K-16
GREATER ANETH FIELD
660' FSL & 1816' FWL
SEC 6-T41S-R25E
SAN JUAN COUNTY, UTAH
API 43-037-15957
PRISM 0000278

INJECTOR



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.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-372	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO	
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: MCELMO CREEK	
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		8. WELL NAME and NUMBER: MCELMO CR K-16	
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		9. API NUMBER: 43037159570000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 1816 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 06 Township: 41.0S Range: 25.0E Meridian: S		9. FIELD and POOL or WILDCAT: GREATER ANETH	
		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: 10/20/2014 <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 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"/> 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" value="UIC Repair"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Resolute Natural Resources submits this sundry as notice that the UIC repair was completed on 10/20/2014 according to previously approved procedures.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 24, 2014			
NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst	
SIGNATURE N/A		DATE 11/24/2014	

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
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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
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1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: MCELMO CR K-16
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2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037159570000
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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
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 1816 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 06 Township: 41.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH
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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: 2/28/2015 <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 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 checked="" 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" value="UIC Repair"/>

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 a UIC Repair on the above well. Attached are the procedures and schematic

Accepted by the Utah Division of Oil, Gas and Mining

Date: March 04, 2015
By: *Derek Duff*

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 2/26/2015	

Resolute

Natural Resources

Date: 2-20-2015

Re: MCU K-16 LOE UIC Repair

Horsley Witten: YES

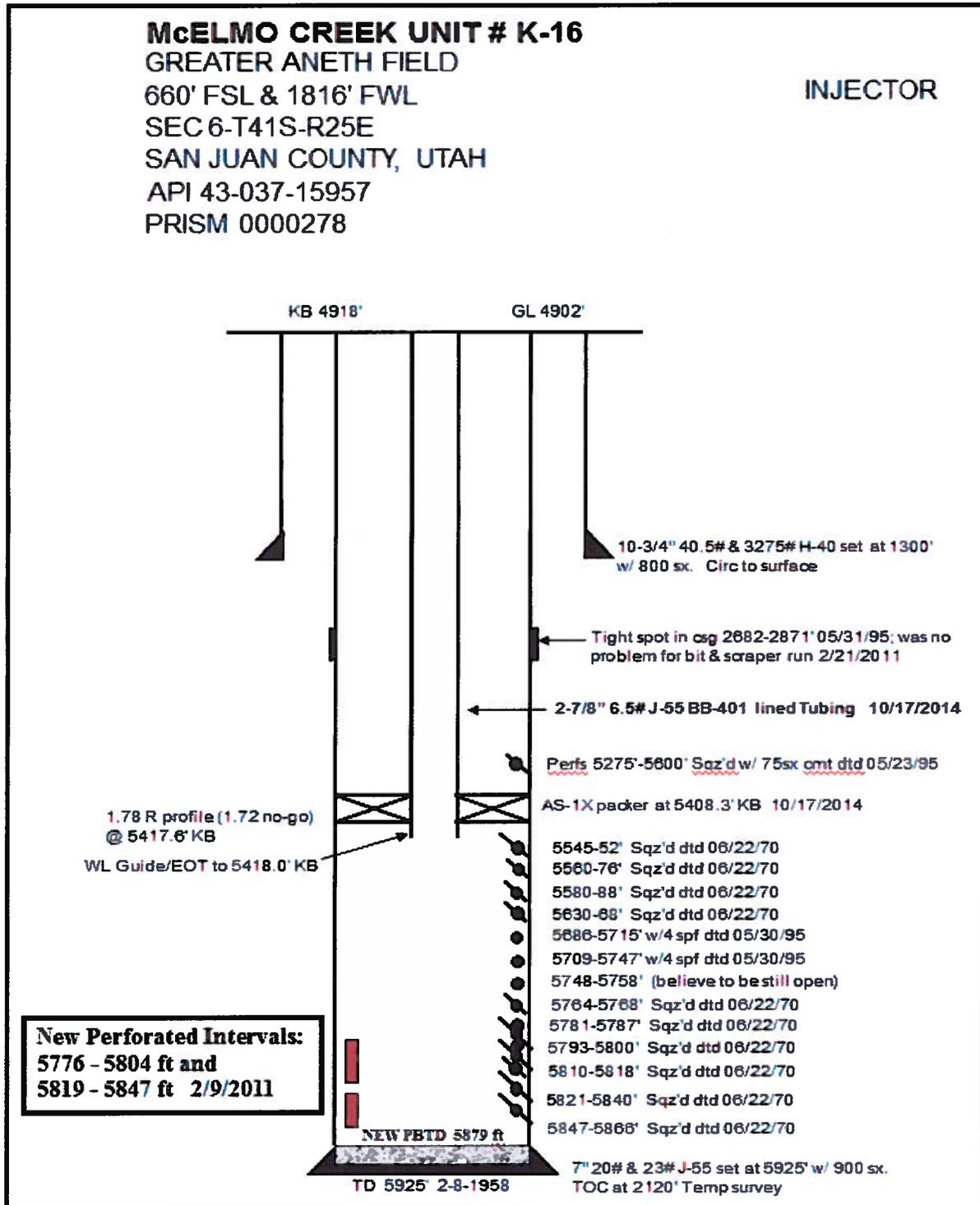
Procedure

1. MIRU WSU, LOTO. Note SITP for kill wt fluid (KWF) determination.
2. Kill tbg with kill wt fluid (KWF).
3. ND WH & NU BOP's. Test BOP's.
4. PU on tbg hanger & unset AS-1X pkr (no on/off tool). Circulate wellbore to KWF.
5. POOH & stand back 2-7/8" BB401 tbg for inspection (tbg & pkr run 10/17/2014). Call Bill Albert for inspection: (970) 371-9682. Re-run or replace tbg per inspection results.
6. Make bit & (spaced) scraper trip to top of perms at 5686'/PBD at 5879'; Clean out to PBD using fresh water, circulate clean; POOH.
7. Make several scraper passes across 5350-5450'/packer seat area on the trip out.
8. POH & LD bit & scraper.
9. RIH w/ new or re-dressed 7" AS-1X packer on 2-7/8 injection tubing* w/1.78 R profile below pkr (no on-off tool). Hang the pkr at ~5400' KB/element (1995 CIL has collars at 5363' and 5407' with 16' KB elev.) NOTE: If the well pressure requires mud rather than brine, run the packer & plug & set on workstring, then run injection tubing separately.
10. Circulate packer fluid. RU WL & set 1.78 plug; Set packer. PT tubing to 2750 & Perform mock MIT on casing.
11. Space out & land tubing. Perform second mock MIT.
12. ND BOP, NU WH. Test void to 2500 psi. RD WSU.
13. MIRU slickline unit, shear plug, and retrieve 1.81 plug. RDMO slickline unit.
14. Schedule witnessed MIT w/NNEPA. Backflow the wellbore & lateral line.
15. Notify Area Injection Supervisor Pierce Benally (435) 444-9957 that well is ready for reconnect & return to injection.

* If tubing is replaced, consult Bill Albert or Jim Styler for tbg type to be run back in the well.

McELMO CREEK UNIT # K-16
GREATER ANETH FIELD
660' FSL & 1816' FWL
SEC 6-T41S-R25E
SAN JUAN COUNTY, UTAH
API 43-037-15957
PRISM 0000278

INJECTOR



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.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-372	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO	
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: MCELMO CREEK	
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3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800, Denver, CO, 80203 4535		9. API NUMBER: 43037159570000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 1816 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 06 Township: 41.0S Range: 25.0E Meridian: S		9. FIELD and POOL or WILDCAT: GREATER ANETH	
		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: 3/12/2015 <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 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 checked="" 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" value="UIC Repair"/>
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 UIC repair was completed on the above well according to previously approved procedures			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 07, 2015			
NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst	
SIGNATURE N/A		DATE 4/7/2015	