

REMARKS: UOR-3-25-60 - Well Log - 2 Electric Logs  
 have file

Approved for Water Injection 10-5-86  
 \* RE-ENTRY HORIZONTAL DRL

DATE FILED 2-29-60 \* 10-26-95 14-20-603-  
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. INDIAN 372  
 DRILLING APPROVED: 2-29-60 \* 10-28-95  
 SPUDDED IN: 3-6-60 \* 1-19-96  
 COMPLETED: 4-8-60 \* 2-4-96  
 INITIAL PRODUCTION: 679 BOPD, 78WPD \*  
 GRAVITY A. P. I. 40°

GOR:  
 PRODUCING ZONES: 5522'-5648', 5664'-5834' \* 5109'-7110' (DSCR)  
 TOTAL DEPTH: 5865' \* MD 7110'; TVD 5690'  
 WELL ELEVATION: 4847' Ungraded OR 4863' KB \* 4847' GR

DATE ABANDONED:  
 FIELD OR DISTRICT: ~~McElmo Creek~~ Aneth  
 COUNTY: San Juan

WELL NO. NAVAJO C 42-32 (McElmo - Q-10) 17PI-43-037-15973

LOCATION: 1899 FT. FROM (N)  LINE, 532 FT. FROM (E)  LINE. SE NE QUARTER - QUARTER SEC. 32  
 \* BHL 967' FNL \* 1739' FEL 8

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				40 N	25 E	32	SUPERIOR OIL COMPANY

## GEOLOGIC TOPS:

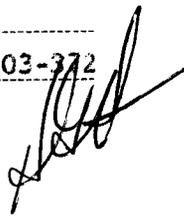
QUATERNARY	Star Point	Sinbad	Brazer
Recent	Wahweap	PERMIAN	Pilot shale
Alluvium	Masuk	Kaibab	Madison
Lake beds	Colorado	Coconino	Leadville
Pleistocene	Mancos	Cutler	Redwall
Lake beds	Upper	Hoskinnini	DEVONIAN
TERTIARY	Middle	DeChelly	Upper
Pliocene	Lower	White Rim	Middle
Humboldt	Emery	Organ Rock	Lower
Salt Lake	Blue Gate	Cedar Mesa	Ouray
Miocene	Ferron	Halgaite tongue	Elbert
Bishop conglomerate	Frontier	Phosphoris	Guilmette
Oligocene	Dakota	Park City	Simonsen 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	Lynch
Wasatch	Curtis	Upper	Bowman
Colton	Entrade	Lower	Tapeats
Flagstaff	Moab tongue	Molas	Ophir
Almy	Carmel	Paradox	Tintic
Paleocene	Glen Canyon Gr.	A	PRE-CAMBRIAN
Current Creek	Navajo	B	Janney - 5522' <sup>EL</sup>
North Horn	Kayento	C	Mothee Shale - 5648' <sup>EL</sup>
CRETACEOUS	Wingate	Manning Canyon	Desert Creek - 5664' (-801)' <sup>EL</sup>
Montana	TRIASSIC	Mississippian	Chimney Peak - 5834' <sup>EL</sup>
Mesaverde	Chinle	Chainman shale	
Price River	*Shinarump	Humbug	
Blackhawk	Moenkapi	Joana limestone	

32	X	

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Indian Agency \_\_\_\_\_  
\_\_\_\_\_ Window Rock \_\_\_\_\_  
Allottee Navajo \_\_\_\_\_  
Lease No. 14-20-503-372



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

February 23, 1960

Navajo 'C'  
Well No. #42-32 is located 1333 ft. from  N  S line and 532 ft. from  E  W line of sec. 32

SE NE Sec. 32 (1/4 Sec. and Sec. No.)      400 (Twp.)      7SE (Range)      S10W (Meridian)  
McElmo Creek (Field)      San Juan (County or Subdivision)      Utah (State or Territory)

The elevation of the ~~derrick floor~~ above sea level is 4247 ft. ungraded ground

DETAILS OF WORK

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

Propose to drill well to test Paradox Formation at a depth of approximately 5070'.

Will set approximately 400' of 5/8" surface pipe.

Will set 5" casing through any commercial production encountered.

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

Company The Superior Oil Company

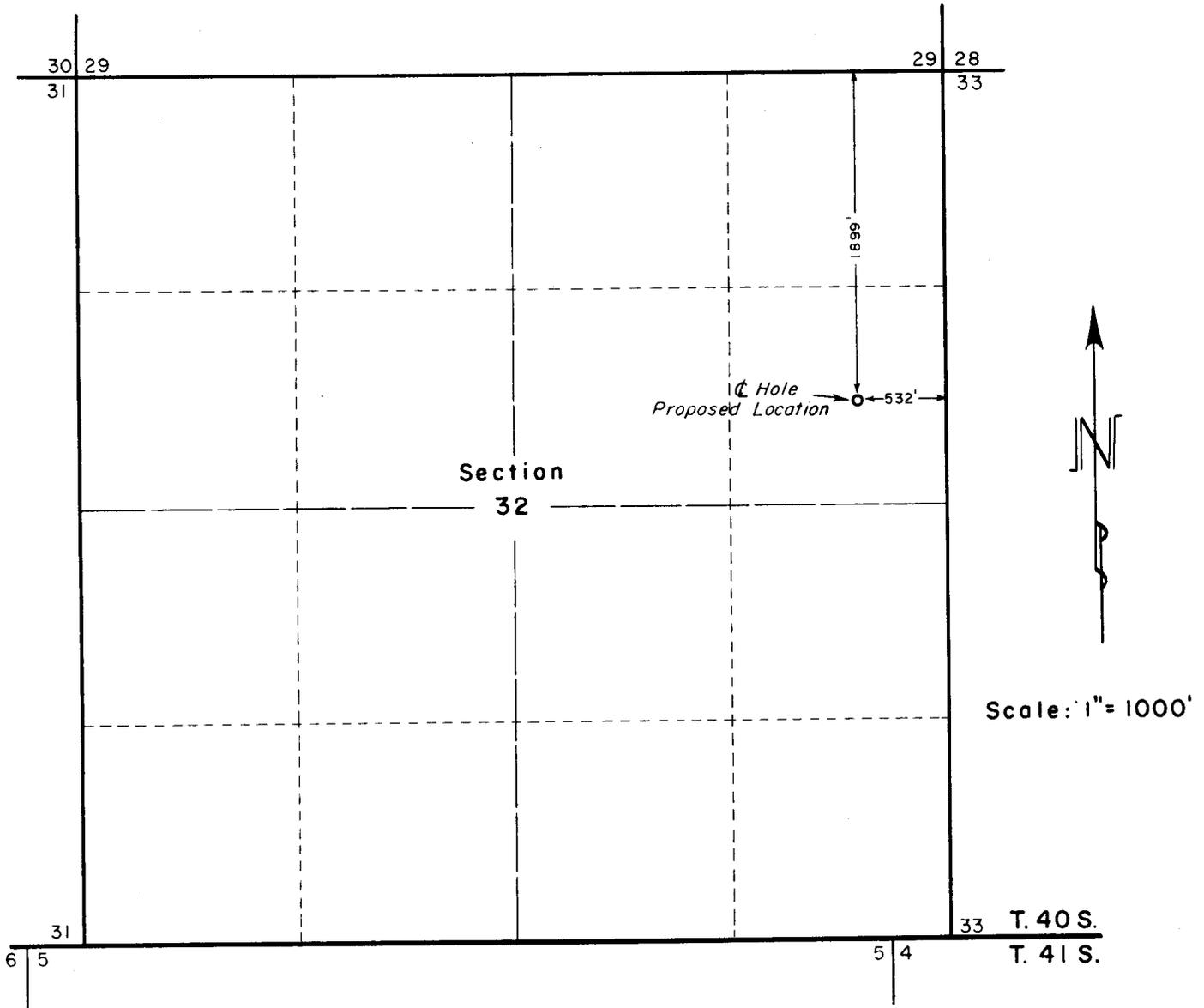
Address P.O. Drawer G

Cortez, Colorado

By G. D. Kingman

Title G. D. Kingman  
Engineer

# CERTIFICATE OF SURVEY



## WELL LOCATION: The Superior Oil Co. — Navajo "C" 42-32

Located 532 feet West of the East line and 1899 feet South of the North line of Section 32,  
 Township 40 South, Range 25 East, Salt Lake Base & Meridian.

Existing ground elevation determined at 4847 feet.

I hereby certify the above plat represents a survey made under my supervision and is accurate to the best of my knowledge and belief.

*Elmer M. Clark*

ELMER M. CLARK  
 Registered Land Surveyor  
 Utah No. 2307

**E.M. CLARK & ASSOCIATES**  
 Durango, Colorado  
 February 20, 1960

February 29, 1960

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

Attention: Mr. D. D. Kingman, Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo C 42-32, which is to be located 1899 feet from the north line and 532 feet from the east line of Section 32, Township 40 South, Range 25 East, SLM, San Juan County, Utah.

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

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT  
EXECUTIVE SECRETARY

CBF:co

cc: P. T. McGrath, Dist. Eng.  
U. S. Geological Survey  
Farmington, New Mexico

5

*ALL*

	32	X

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

April 11, 19 60

Navajo 'C'  
Well No. 42-32 is located 1899 ft. from [N] line and 532 ft. from [E] line of sec. 32

SE NE Sec. 32      40S      25E      SLBM  
(¼ Sec. and Sec. No.)      (Twp.)      (Range)      (Meridian)  
McElmo Creek      San Juan      Utah  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the ~~surface~~ above sea level is 4863 ft. K.B.

DETAILS OF WORK

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

Spudded: March 6, 1960

Completed: April 8, 1960

T.D.: 5865'      PBD: 5840'

Casing: 8-5/8" 24# set at 500' with 225 sacks.  
5 1/2" 14# & 15.5# set at 5865' with 300 sacks.

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

**Electric Log Tops:**

De Chelly	2782'	Gothic Shale	5648'
Organ Rock	2880'	Desert Creek	5664' (-801')
Hermosa	4691'	Chimney Rock	5834'
Ismay	5522'	Total Depth	5863'

**Perforations:** 5666'-5708', 5735'-5750', 5765'-5775', 5791'-5804'.

**Drill Stem Tests:** None

**Treatments:** 4-6-60: (Perfs 5735'-5804') 500 gallons Spearhead Acid.  
Maximum pressure 400#/Pkr.

4-6-60: (Perfs 5735'-5804') 6,000 gallons retarded acid in two equal  
stages using 1-300 gallon temporary plug.  
Maximum pressure 3000#/1000#.

4-7-60: (Perfs 5666'-5708') 500 gallons Spearhead Acid.  
Maximum pressure 3400#/1400#.

4-8-60: (Perfs 5666'-5708') 7,000 gallons retarded acid in two equal  
stages using 1-200 gallon temporary plug.  
Maximum pressure 3100#/1300#.

**Tubing:**

2½" 6.5# J-55 R-2 8Rd KUE hung to	5806'
Tubing anchor	5659'
R & L Nipple	5653'
Pump Shoe	5651'

Tubing landed on T-16 hanger.

**Initial Production:** 4-10-60: Flowed 629 barrels fluid in 22 hours.  
Gravity 40°, cut 1% load water, 220#/1060#, 34/64" choke.  
686 BPD rate.

Santa Fe

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


UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **The Superior Oil Company** Address **P.O. Drawer G, Cortez, Colorado**  
 Lessor or Tract **Navajo 'C'** Field **McElmo Creek** State **Utah**  
 Well No. **42-32** Sec. **32** T. **40S** R. **25E** Meridian **SLBM** County **San Juan**  
 Location **1899** ft. <sup>N.</sup> of **N** Line and **532** ft. <sup>E.</sup> of **E** Line of **Section 32** Elevation **4863'** **KB**  
(Derriek floor relative to sea level)

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

Signed *D. D. Kingman*  
**D. D. Kingman**  
 Title **Engineer**

Date **April 11, 1960**

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

Commenced drilling **March 6**, 19**60** Finished drilling **March 30**, 19**60**

### OIL OR GAS SANDS OR ZONES

*(Denote gas by G)*

No. 1, from <b>5522</b> to <b>5648</b>	No. 4, from _____ to _____
No. 2, from <b>5664</b> to <b>5834</b>	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

### IMPORTANT WATER SANDS

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

### CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	24	3	Steel	500'	Plug	500'	5765'	5775'	Production
5 1/2"	24	3	Steel	300'	Plug	5775'	5791'	5804'	Production
<b>HISTORY OF OIL OR GAS WELL</b>							5765'	5775'	
							5791'	5804'	

### MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	500'	225	Circulated to surface.		
5 1/2"	5865'	300	Pump & plug.		

### PLUGS AND ADAPTERS

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

### SHOOTING RECORD

FOLD MARK

FOLD MA

**PLUGS AND ADAPTERS**

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

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from **surface** feet to **5865'** feet, and from ..... feet to ..... feet  
 Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

**DATES**

....., 19..... Put to producing **April 8**....., 1**960**.....  
 The production for the first 24 hours was **686**..... barrels of fluid of which **99<sup>(679)</sup>**% was oil; .....%  
 emulsion; **1<sup>(2)</sup>**% water; and .....% sediment. Gravity, °Bé. **40°**.....  
 If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....  
 Rock pressure, lbs. per sq. in. ....

**EMPLOYEES**

....., Driller ..... Driller  
 ..... Driller ..... Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
<b>Electric Log Tops:</b>			
		2782'	De Chelly
		2880'	Organ Rock
		4691'	Hermosa
		5522'	Ismay
		5648'	Gothic Shale
		5664' (-801')	Desert Creek
		5834'	Chimney Rock
		5863'	Total Depth
FROM—	TO—	TOTAL FEET	FORMATION

**FORMATION RECORD—Continued**

# THE SUPERIOR OIL COMPANY

P. O. DRAWER 6  
CORTEZ, COLORADO

June 30, 1961

Ann W. Glines  
The State of Utah  
Oil & Gas Conservation Commission  
310 Newhouse Building  
Salt Lake City, Utah

Dear Miss Glines:

Replying to your letter of June 20, 1961, we are mailing you a copy of our Induction Electrical Log on the Navajo 'C' #42-32, dated 3/28/60. According to our mailing record two copies of this same log was mailed to your office on April 13, 1960.

Yours truly,



G. Bannantine

GB/nh

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

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.)\*  
 At surface 1899' FNL, 532' FEL, Section 32  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 3.4 Miles North of Aneth, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4870' KB

22. APPROX. DATE WORK WILL START\*  
 Approx. Date Oct. 1, 1974

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Desert Creek Zone I 5666-5708', 5735-50'

Zone II 5765-75', 5791-5804'

- Squeeze all perfs.
- Drill out to 5780'.
- Perf 5766-70' and resqueeze.
- Drill out to 5760'.
- Perforate Zone I 5666-5700', 5717-25' and 5729-50'.
- Acidize with 9000 gal 28% acid.

APPROVED BY DIVISION OF OIL & GAS CONSERVATION  
 DATE SEP 19 1974  
 BY [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. L. Gallagher TITLE Prod. Engineer DATE 9/19/74

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

JLG/nh

\*See Instructions On Reverse Side

cc: State, USGS, Franques, Mosley, File

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R4424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. UNIT AGREEMENT NAME

McELMO CREEK UNIT

8. FARM OR LEASE NAME

McELMO CREEK UNIT

9. WELL NO.

MCU #Q-10

10. FIELD AND POOL, OR WILDCAT

McELMO CREEK FIELD

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

Sec. 32, T40S, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

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

1899' FNL & 532' FEL

14. PERMIT NO.

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

4870' 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) Plugging back

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.)\*

Job started 11-18-74

Squeezed all perfs (Zone I 5666-5708' & 5735-50', Zone II 5765-75' & 5791-5804') w/400 sx cement to 5000 psi.

Drilled out to 5780'

Perf'd 5766-70'. Acidized w/400 gals 28% HCL @ 1.6 BPM w/3000 psi. Squeezed w/100 sx cement to 5000 psi.

Drilled out to 5754'.

Perf'd Zone I 5666-5700', 5717-25 & 5729-50'. Acidized w/9000 gals. 28% HCL @ 4 BPM w/3500

Ran rods and 1 1/2" pump and put well on Zone I production.

Job completed 12-3-74.

PRODUCTION PRIOR TO WO: 35 BOPD & 3154 BWPD.

PRODUCTION AFTER WO: 63 BOPD & 189 BWPD.

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

SIGNED D. D. Kingman

TITLE District Engineer

DATE 12/17/74

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

RLH/lh

\*See Instructions on Reverse Side

XC: State, USGS, Franques, Mosley, Hurlbut, WIO, File

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

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved,  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

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 #0-10

10. FIELD AND POOL, OR WILDCAT

McElmo Creek Field

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

Sec. 32, T40S, 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. Dr. 'G', Cortez, Colorado 81321

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

1899' FNL, 532' FEL

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

4870' KB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF   
 FRACTURE TREAT   
 SHOOT OR ACIDIZE   
 REPAIR WELL   
 (Other)

PULL OR ALTER CASING   
 MULTIPLE COMPLETE   
 ABANDON\*   
 CHANGE PLANS

WATER SHUT-OFF   
 FRACTURE TREATMENT   
 SHOOTING OR ACIDIZING   
 (Other) Testing Ismay

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.)\*

Ismay: Perf'd 5615-19' with 2 JPF. Acidized with 1500 gals 28% HCL @ 3-1/4 - 4-1/4 BPM with 3000-3125 psi. Swbd 251 bbls fluid in 8 hrs. Cut 96% water. Squeezed perfs 5615-19' with 100 sacks cement to 5000 psi.

D.C. Zone I: Acidized perfs 5717-25' and 5729-50' with 500 gals 28% HCL @ 4.5 BPM with 0 psi.

Acidized perfs 5666-5700', 5715-25' and 5729-50' with 9000 gals 28% HCL in three stages. Avg. inj. rate 12.6 BPM @ 2200 psi.

Worked commenced 5/5/75 and completed 5/15/75.

Production prior to treatment: 8 BOPD and 47 BWPD

Production after treatment: 66 BOPD and 54 BWPD

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

SIGNED D. D. Kingman TITLE District Engineer DATE 6/3/75

(This space for Federal or State office use)

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

USGS - 4

State - 2

cc: Franques, Mosley, Hurlbut, WIO, File

\*See Instructions on Reverse Side

orig file  
cc R. Firth

# Mobil Oil Corporation

P.O. BOX 5444  
DENVER, COLORADO 80217

January 14, 1985

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

RECEIVED

FEB 0 1985

DIVISION OF OIL,  
GAS & MINING

Attention: Ms. Dianne Nielson, Director

RE: NOTICES TO SUPERIOR OIL COMPANY

Dear Ms. Nielson:

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

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

PERMITS ONLY

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

(303) 298-2577

RON

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

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

Very truly yours,



R. D. Baker  
Environmental & Regulatory Manager - West

Enclosure

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI  
(Other instructio  
verse side)

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-372
2. NAME OF OPERATOR MOBIL OIL CORP AS AGENT OF SUPERIOR OIL		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO
3. ADDRESS OF OPERATOR P. O. DRAWER 'G', CORTEZ, CO 81321		7. UNIT AGREEMENT NAME MCELMO CREEK
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1899' FNL, 532' FEL		8. FARM OR LEASE NAME -
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) DF: 4858'	9. WELL NO. Q-10
		10. FIELD AND POOL, OR WILDCAT GREATER ANETH
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 32, T40S, R25E, SLM
		12. COUNTY OR PARISH SAN JUAN
		13. STATE UTAH

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

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

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

- MIRU workover rig. POOH w/ rods and pump. ND wellhead. NU and test BOP's. POOH w/ tubing.
- Run bit and 5-1/2" casing scraper to FBTD @ 5754'. POOH.
- RIH w/ packer and set @ 5640'+. Acidize Desert Creek Zone I w/ 4000 gals 28% HCl + additives.
- Swab back load. POOH, laying down 2-7/8" tubing.
- RIH w/ 2-3/8" x 5-1/2" CO2 injection packer and 2-3/8" PC tubing. Set pkr @ 5635'+ and place well on injection.

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

SIGNED

*[Signature]*  
D. C. Collins

TITLE Sr Staff Op Engr

DATE 1.30.86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*pressure test casing prior to injection*

\*See Instructions on Reverse Side

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'. Eight and five-eighths surface casing was run to 514' and cemented around the shoe with the cement circulated to the surface. Five and one-half inch production casing was run to TD and cemented around the shoe with a calculated top of 4479'. 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	1607	Shale
DeChelly	2727	Sandstone
Organ Rock	2882	Shale
Hermosa	4691	Limestone
Ismay	5520	Limestone
Gothic	5648	Shale
Desert Creek	5664	Limestone
Chimney Rock	5834	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 Q-10

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

STATE OF UTAH  
 DIVISION OF OIL, GAS, AND MINING  
 ROOM 4241 STATE OFFICE BUILDING  
 SALT LAKE CITY, UTAH 84114  
 (801) 533-5771  
 (RULE 1-5 & RULE 1-4)

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

IN THE MATTER OF THE APPLICATION OF

Mobil Oil Corp as Agent for Superior Oil CAUSE NO. \_\_\_\_\_

ADDRESS P.O. Drawer 9  
Carter Co ZIP 81321

INDIVIDUAL \_\_\_\_\_ PARTNERSHIP \_\_\_\_\_ CORPORATION   
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
 INJECT FLUID INTO THE Q-10 WELL  
 SEC. 32 TWP. 40S RANGE 2SE  
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 1-4)	<input type="checkbox"/>

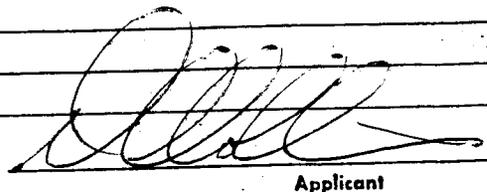
APPLICATION

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

1. That Rule 1-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>McElmo Creek Unit</u>	Well No. <u>MCU Q-10</u>	Field <u>Greater Aneth</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>1899 FNL, 522' FEL</u>		Sec. <u>32</u>	Twp. <u>40S</u> Rge. <u>2SE</u>
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>1737'</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>Ismay 5500' Desert Creek 5600'</u>	Depth of Injection Interval <u>5666 to 5950'</u>	
Geologic Name of Injection Zone <u>Desert Creek</u>	a. Top of the Perforated Interval: <u>5666</u>	b. Base of Fresh Water: <u>1607</u>	c. Intervening Thickness (a minus b) <u>4059'</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 _____ B/D <u>2800 3100</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>None</u>			

State of Colorado

  
Applicant

County of Montezuma

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

Suscribed and sworn to before me this 3<sup>rd</sup> day of Feb, 19 86

SEAL  
 My commission expires 9/9/86

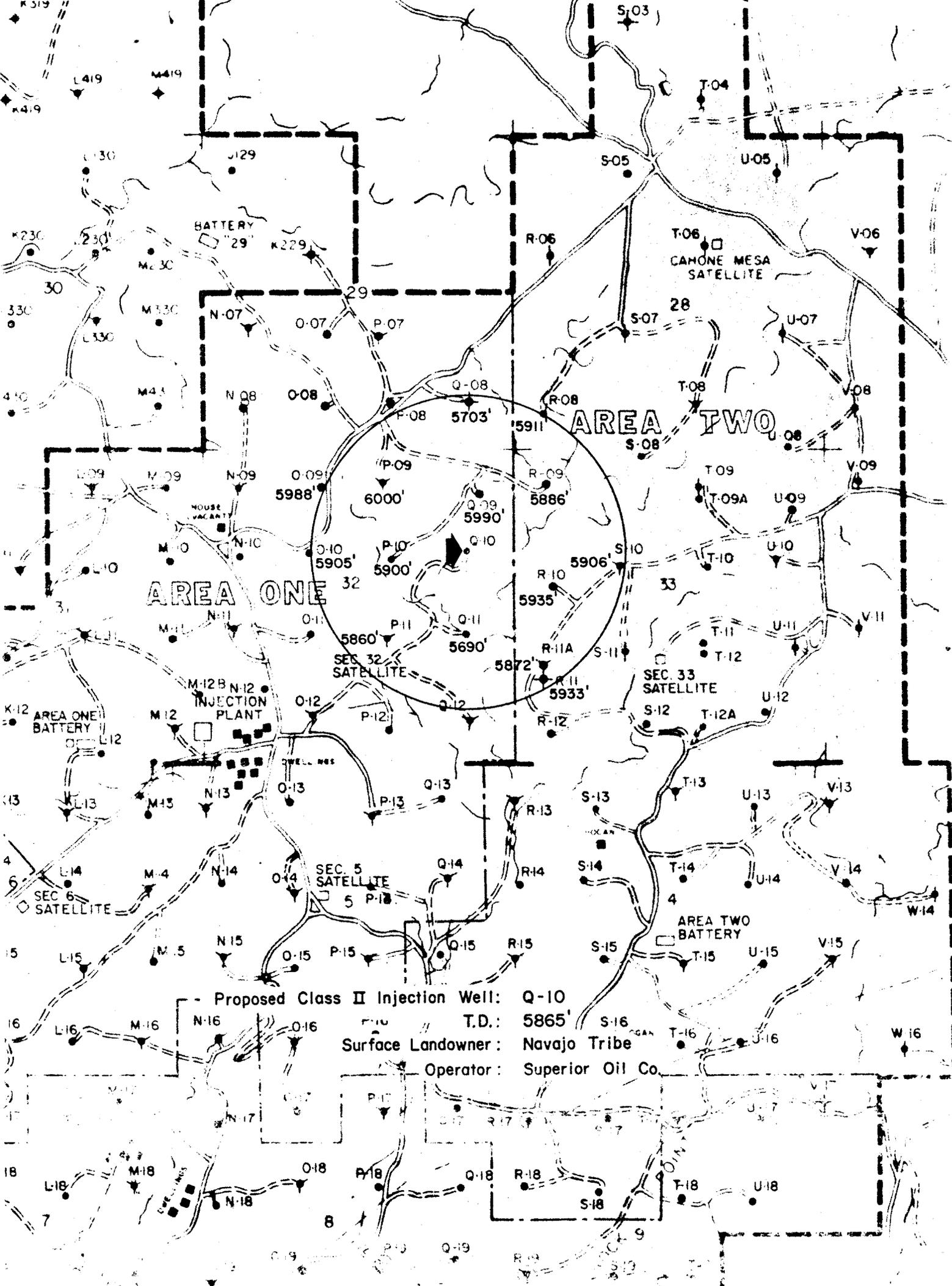
Diane Wilson  
 Notary Public in and for Colo

(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	8-5/8	514	225	Surface	Cement Returns
Intermediate					
Production	5 1/2"	5865	300	4479	Calculated
Tubing	2-3/8	5635	Name - Type - Depth of Tubing Packer Retrievable 5635		
Total Depth	Geologic Name - Inj. Zone		Depth - Top of Inj. Interval	Depth - Base of Inj. Interval	
5865	Desert Creek		5666	5750	



- Proposed Class II Injection Well: Q-10  
 T.D.: 5865'  
 Surface Landowner: Navajo Tribe  
 Operator: Superior Oil Co.

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

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

COUNTY  
LEASE NO.

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

COUNTY Salt Lake SEC. 32 TWP. 40S RGE. 25E

COMPANY OPERATING Mobil Oil Corp.

OFFICE ADDRESS P.O. Drawer G

TOWN Carter STATE ZIP Co 81321

FARM NAME McElme Creek WELL NO. Q-10

DRILLING STARTED 3-6 1960 DRILLING FINISHED 3-29 1960

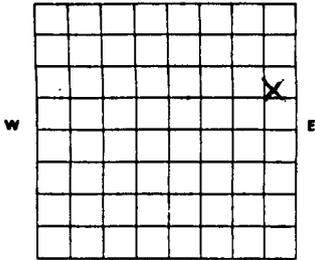
DATE OF FIRST PRODUCTION 4-6-60 COMPLETED 4-8-60

WELL LOCATED NE 1/4 SE 1/4 NE 1/4

741 FT. FROM SW OF 1/4 SEC. & 2108 FT. FROM WL OF 1/4 SEC.

ELEVATION DERRICK FLOOR 4858' GROUND 4847'

API NO. \_\_\_\_\_  
840 Acres  
N



Locate Well Correctly  
and Outline Lease

TYPE COMPLETION

Single Zone  \_\_\_\_\_  
Multiple Zone \_\_\_\_\_  
Comingled \_\_\_\_\_

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
<u>Ismay</u>	<u>5520</u>	<u>5648</u>			
<u>Desert Creek</u>	<u>5664</u>	<u>5834</u>			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
<u>8 5/8</u>	<u>24</u>	<u>J-55</u>	<u>514</u>	<u>No</u>	<u>225</u>	<u>131</u>	<u>Surface</u>
<u>5 1/2</u>	<u>14.5</u>	<u>J-55</u>	<u>5865</u>	<u>No</u>	<u>300</u>	<u>10/6</u>	<u>4479</u>

TOTAL DEPTH 5865

PACKERS SET  
DEPTH None

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

	1	2	3
FORMATION	<u>Desert Creek</u>		
SPACING & SPACING ORDER NO.			
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	<u>Enhanced Recovery</u>		
PERFORATED	<u>5666/5804</u>		
INTERVALS			
ACIDIZED?	<u>13000 gal HCl</u>		
FRACTURE TREATED?	<u>No</u>		

INITIAL TEST DATA

Date	<u>4-8-60</u>		
Oil, bbl./day	<u>679</u>		
Oil Gravity	<u>40.0</u>		
Gas, Cu. Ft./day	<u>-</u>	<u>CF</u>	<u>CF</u>
Gas-Oil Ratio Cu. Ft./Bbl.	<u>-</u>		
Water-Bbl./day	<u>7</u>		
Pumping or Flowing	<u>Flowing</u>		
CHOKE SIZE	<u>34</u>		
FLOW TUBING PRESSURE	<u>90</u>		

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

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

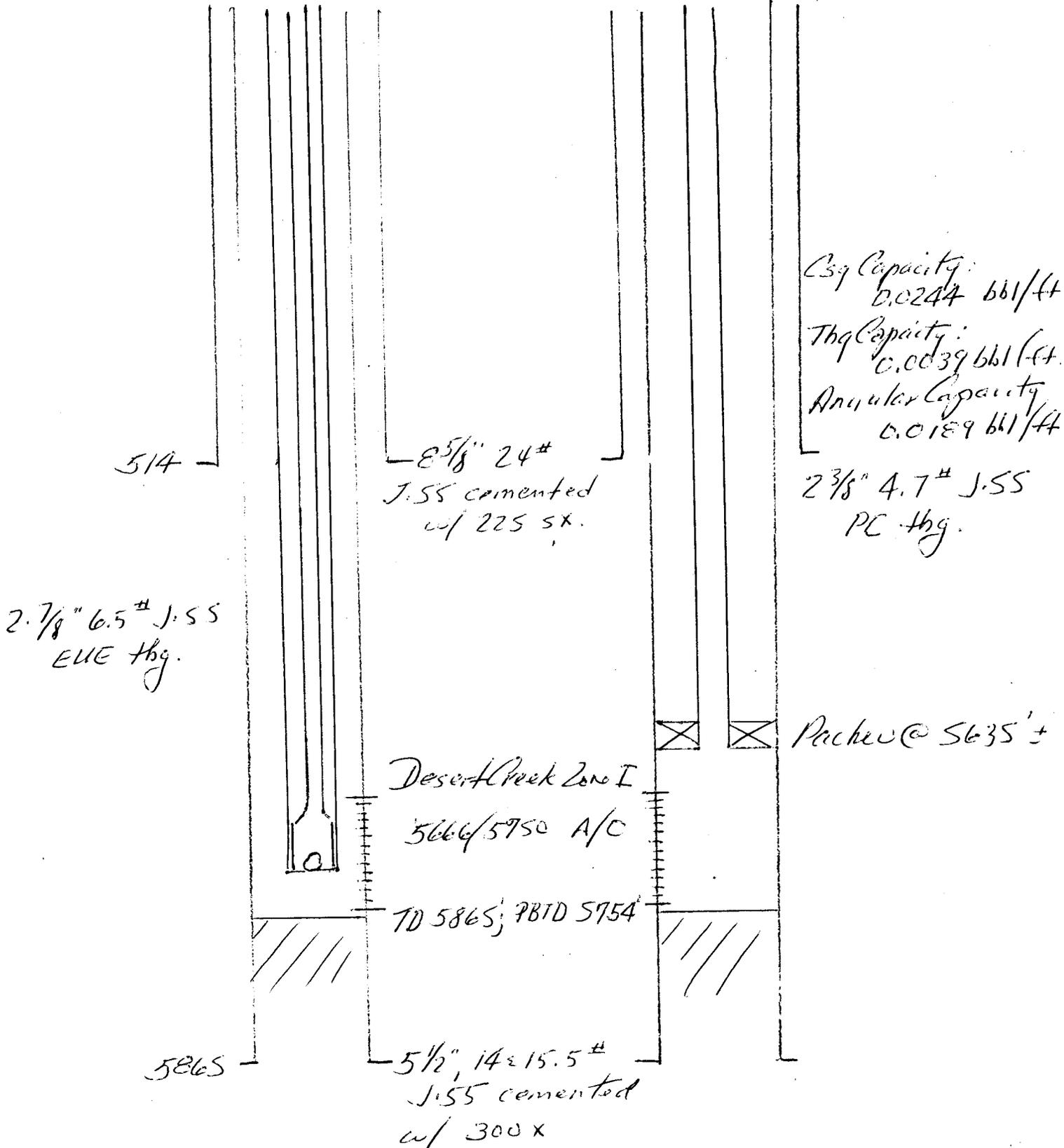
Telephone 565-2209 (323) [Signature] Sr Staff Op Engr.  
Name and title of representative of company

Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_

McElmo Creek Unit Q-10  
 GREATER ANETH FIELD  
 SAN JUAN COUNTY, UTAH

CURRENT

PROPOSED





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

February 13, 1986

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

Gentlemen:

RE: UIC-076

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 February. 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

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

MARJORIE L. ANDERSON  
Administrative Assistant

mfp  
0045A



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
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355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

February 13, 1986

San Juan Record  
Legal Advertizing  
Monticello, Utah 84535

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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:

Phillips Oil Company  
PO Box 2920  
Casper, Wyoming 82602

Texaco Incorporated  
PO Box EE  
Cortez, Colorado 81321

Navajo Indian Tribe  
Window Rock, Arizona 84615

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

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

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

Superior Oil Company through its agent  
Mobil Oil Corporation  
PO Drawer G  
Cortez, Colorado 81321

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

San Juan Record  
Legal Advertizing  
Monticello, Utah 84535

# AFFIDAVIT OF PUBLICATION.

## Public notice

BEFORE THE DIVISION OF  
OIL, GAS AND MINING

DEPARTMENT OF

NATURAL RESOURCES

STATE OF UTAH

IN THE MATTER OF THE APPLI-  
CATION OF MOBILE OIL CORPORA-  
TION AS AGENT FOR SUPERIOR OIL  
COMPANY FOR ADMINISTRATIVE  
APPROVAL TO INJECT FLUID INTO  
CONVERTED ENHANCED RECOV-  
ERY INJECTION WELLS LOCATED  
IN SECTIONS 31, 32, & 33, TOWNSHIP  
40 SOUTH, RANGE 25 EAST, SEC-  
TION 4, TOWNSHIP 41 SOUTH,  
RANGE 25 EAST; AND SECTIONS 1  
AND 11, TOWNSHIP 41 SOUTH,  
RANGE 24 EAST, SAN JUAN  
COUNTY, UTAH

CAUSE NO. UIC-076

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

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

McELMO CREEK UNIT

C-18, Sec. 11, T41S, R24E

Q-10, Sec. 32, T40S, R25E

R-09, Sec. 33, T40S, R25E

M-10, Sec. 31, T40S, R25E

O-10, Sec. 32, T40S, R25E

I-14, Sec. 1, T41S, R24E

U-16, Sec. 4, T41S, R25E

S-16, Sec. 4, T41S, R25E

INJECTION INTERVAL: Desert  
Creek Formation, 5269' to 5825'

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 10th day of February,  
1986.

STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING

MARJORIE L. ANDERSON,  
Administrative Assistant

Published in The San Juan Record  
February 19, 1986.

I, Joyce Martin, being duly sworn,

depose and say that I am the publisher of the San  
Juan Record, a weekly newspaper of general circulation  
published at Monticello, Utah, every Wednesday; that  
notice of application to convert wells to enhanced  
recovery injection wells, Cause No. UIC-076  
a copy of which is hereunto attached, was published in  
the regular and entire issue of each number of said  
newspaper for a period of one issues, the first  
publication having been made on February 19, 1986.  
and the last publication having been made on \_\_\_\_\_

Signature

*Joyce A. Martin*  
Publisher

Subscribed and sworn to before me this 19th

day of February, A.D. 1986.

*Liquid K Adams*  
Notary Public  
Residing at Monticello, Utah

My commission expires December 2, 1987

Affidavit of Publication

RECEIVED  
MAR 05 1986

STATE OF UTAH,  
County of Salt Lake

ss.

DIVISION OF  
OIL, GAS & MINING

Cheryl Gierloff

CAUSE NO. UIC-076  
BEFORE THE DIVISION OF  
OIL, GAS AND MINING  
DEPARTMENT OF  
NATURAL RESOURCES  
STATE OF UTAH  
IN THE MATTER OF THE AP-  
PLICATION OF MOBIL OIL  
CORPORATION AS AGENT  
FOR SUPERIOR OIL COMP-  
ANY FOR ADMINISTRATIVE  
APPROVAL TO INJECT FLUID  
INTO CONVERTED EN-  
HANCED RECOVERY INJEC-  
TION WELLS LOCATED IN  
SECTIONS 31, 32 & 33, TOWNSHIP  
40 SOUTH, RANGE 25  
EAST; SECTION 4, TOWNSHIP  
41 SOUTH, RANGE 25 EAST;  
AND SECTIONS 1 AND 11,  
TOWNSHIP 41 SOUTH, RANGE  
24 EAST, SAN JUAN COUNTY,  
UTAH.  
THE STATE OF UTAH TO  
ALL INTERESTED PARTIES IN  
THE ABOVE ENTITLED MAT-  
TER.  
Notice is hereby given that  
Superior Oil Company through  
its Agent, Mobil Oil Corporation,  
P.O. Drawer G, Cortez, Colora-  
do, 81321, has requested ad-  
ministrative approval from the  
Division to convert the follow-  
ing listed wells to enhanced re-  
covery injection wells:  
McELMO CREEK UNIT  
C-18, Sec. 11, T41S, R25E  
Q-10, Sec. 32, T40S, R25E  
R-09, Sec. 33, T40S, R25E  
M-10, Sec. 31, T40S, R25E  
O-10, Sec. 32, T40S, R25E  
I-14, Sec. 1, T41S, R24E  
U-14, Sec. 4, T41S, R25E  
S-14, Sec. 4, T41S, R25E  
INJECTION INTERVAL: Desert  
Creek Formation, 5269' to 5825'  
MAXIMUM ESTIMATED SUR-  
FACE PRESSURE: 3100 psig  
MAXIMUM ESTIMATED WA-  
TER INJECTION RATE: 500-  
2000 BWPD/WELL  
Approval of this Application  
will be granted unless objec-  
tions are filed with the Division  
of Oil, Gas and Mining within fif-  
teen days after publication of  
this Notice. Objections, if any,  
should be mailed to the Division  
of Oil, Gas and Mining, Atten-  
tion: UIC Program Manager,  
355 West North Temple, 3 Triad  
Center, Suite 350, Salt Lake  
City, Utah 84189-1203.  
DATED this 10th day of Feb-  
ruary, 1986.  
STATE OF UTAH  
DIVISION OF OIL,  
GAS AND MINING  
MARJORIE L. ANDERSON  
Administrative Assistant  
E-30

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

That the legal notice of which a copy is attached hereto

Cause No. UIC-076 Application of Mobil Oil

Corp.

wa s r on

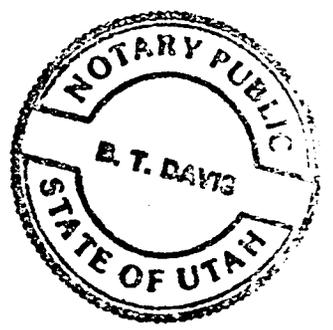
Cheryl Gierloff  
Legal Advertising Clerk

Subscribed and sworn to before me this 3rd day of  
March A.D. 1986

B. J. Davis  
Notary Public

My Commission Expires

March 1, 1988



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

-----oo0oo-----  
IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-076  
OF MOBIL OIL CORPORATION AS AGENT :  
FOR SUPERIOR OIL COMPANY FOR :  
ADMINISTRATIVE APPROVAL TO INJECT :  
FLUID INTO CONVERTED ENHANCED :  
RECOVERY INJECTION WELLS LOCATED :  
IN SECTIONS 31, 32, & 33, TOWNSHIP :  
40 SOUTH, RANGE 25 EAST; SECTION :  
4, TOWNSHIP 41 SOUTH, RANGE 25 :  
EAST; AND SECTIONS 1 AND 11, :  
TOWNSHIP 41 SOUTH, RANGE 24 EAST, :  
SAN JUAN COUNTY, UTAH

-----oo0oo-----  
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

C-18, Sec. 11, T41S, R24E	I-14, Sec. 1, T41S, R24E
Q-10, Sec. 32, T40S, R25E	U-16, Sec. 4, T41S, R25E
R-09, Sec. 33, T40S, R25E	S-16, Sec. 4, T41S, R25E
M-10, Sec. 31, T40S, R25E	
O-10, Sec. 32, T40S, R25E	

INJECTION INTERVAL: Desert Creek Formation, 5269' to 5825'  
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 10th day of February, 1986.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

Marjorie L. Anderson  
MARJORIE L. ANDERSON  
Administrative Assistant



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 7, 1986

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

Gentlemen:

RE: Injection Well Approval - Cause No. UIC-076

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

<u>WELL NAME</u>	<u>LOCATION</u>	<u>WELL NAME</u>	<u>LOCATION</u>
M-10,	Sec. 31, T40S, R25E	I-14,	Sec. 1, T41S, R24E
Q-10,	Sec. 32, T40S, R25E	C-18,	Sec. 11, T41S, R24E
O-10,	Sec. 32, T40S, R25E	U-16,	Sec. 4, T41S, R25E
R-09,	Sec. 33, T40S, R25E	S-16,	Sec. 4, 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

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

4-28-86

**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.  
**Q-10 Inj. lines**

10. FIELD AND POOL, OR WILDCAT  
**GREATER ANETH**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec.32 , T40S, R25E,**

12. COUNTY OR PARISH **SAN JUAN** 18. STATE **UTAH**

14. PERMIT NO. **43-037-15973** 15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
**GL: 4847'**

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) **Construct CO<sub>2</sub> and H<sub>2</sub>O Inj lines**

(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.)\*

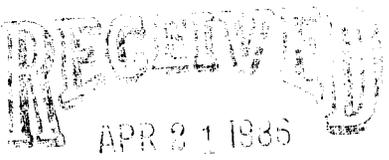
Mobil Oil Corporation proposes to construct two pipelines, 1985'in length each, in the same ditch.

All the CO<sub>2</sub> and H<sub>2</sub>O injection lines will be buried in the same 36 inch ditch with at least 36 inches of cover. Any restoration requirements will be per BIZ-BLO Shiprock stipulations.

Pipe specifications are as follows:

- CO<sub>2</sub>: 2 - 3/8" O.D., 0.218" wall thickness, Type API 52, X-42, PE BFW Armco Smls pipe.
- H<sub>2</sub>O: 3.5" O.D., 7.58# per foot, Grade A-106, butt welded, cement lined pipe.

Federal approval of this action is required before commencing operations.



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

SIGNED Clyde J. Benally TITLE Sr. Regulatory Coordinator DATE 4/17/86  
C. J. Benally

(This space for Federal or State office use)

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

ACCEPTED BY THE CHIEF OF UTAH DIVISION OF OIL, GAS & MINING  
DATE 4/28/86

\*See Instructions on Reverse Side

Mobil Oil as Agent for Superior Oil  
December 9, 1985  
Sheet 1 of 2

Legal Description, Line 101-3-1 (III)

An easement for purposes of a pipeline in the E½ of Section 32, T.40S., R.25E., S.L.M., San Juan County, Utah, the centerline being more particularly described as follows:

Beginning at Well Q-10 in the E½ of Section 32, T.40S., R.25E., S.L.M., San Juan County, Utah, from which point the SE Corner of said Section 32 bears S.09°02'55"E. a distance of 3407.07 ft.;

thence, S.0°32'27"W. a distance of 169.00 ft.;

thence, S.16°00'47"W. a distance of 194.29 ft.;

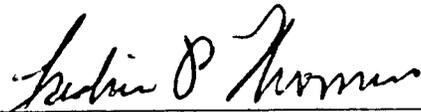
thence, S.04°37'11"W. a distance of 284.59 ft.;

thence, S.17°30'39"W. a distance of 165.77 ft.;

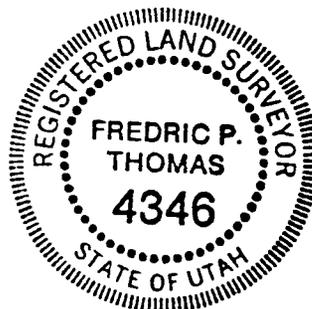
thence, S.27°57'58"W. a distance of 225.43 ft.;

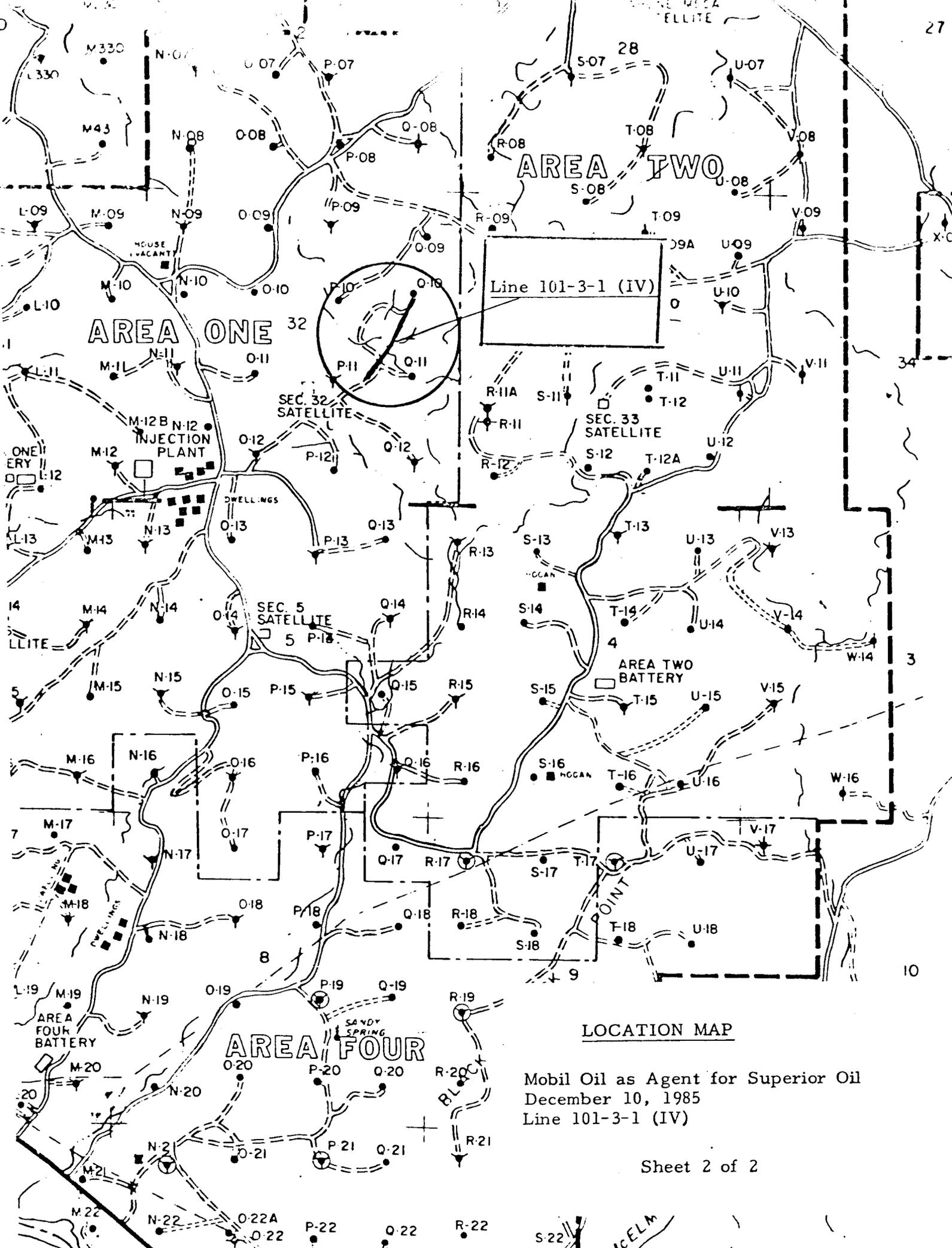
thence, S.55°00'27"W. a distance of 436.03 ft.;

thence, S.45°25'55"W. a distance of 508.84 ft., from which point the SE Corner of said Section 32 bears S.40°13'19"E. a distance of 2306.25 ft.



Fredric P. Thomas, PE-LS  
Utah Reg. No. 4346





LOCATION MAP

Mobil Oil as Agent for Superior Oil  
December 10, 1985  
Line 101-3-1 (IV)

MICELM

# 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,



CNE/rd  
CNE8661

R. D. Baker  
Environmental Regulatory Manager

P  
421

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

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	ST T	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
MC ELMO CREEK	P-23	SAN JUAN	UT	NW	SE	17-41S-25E	INJ	OP	43-037-16370	14-20-603-265		96-004190
	Q-09	SAN JUAN	UT	NE	NE	32-40S-25E	PROD	OP	43-037-31013	14-20-603-372		96-004190
	Q-10	SAN JUAN	UT	SE	NE	32-40S-25E	PROD	OP	43-037-15973	14-20-603-372		96-004190
	Q-11	SAN JUAN	UT	NE	SE	32-40S-25E	PROD	OP	43-037-30282	14-20-603-372		96-004190
	Q-12	SAN JUAN	UT	SE	SE	32-40S-25E	INJ	OP	43-037-05720	14-20-603-372		96-004190
	Q-13	SAN JUAN	UT	NE	NE	05-41S-25E	PROD	OP	43-037-30288	14-20-603-372		96-004190
	Q-14	SAN JUAN	UT	SE	NE	05-41S-25E	INJ	OP	43-037-15974	14-20-603-372		96-004190
	Q-15	SAN JUAN	UT	NE	SE	05-41S-25E	PROD	OP	43-037-30290	14-20-603-372		96-004190
	Q-16	SAN JUAN	UT	SE	SE	05-41S-25E	INJ	OP	43-037-15975	14-20-603-372		96-004190
	Q-17	SAN JUAN	UT	NE	NE	00-41S-25E	PROD	OP	43-037-30271	14-20-603-263		96-004190
	Q-18	SAN JUAN	UT	SE	NE	08-41S-25E	PROD	OP	43-037-15521	14-20-603-263		96-004190
	Q-19	SAN JUAN	UT	NE	SE	08-41S-25E	PROD	OP	43-037-30652	14-20-603-263		96-004190
	Q-20	SAN JUAN	UT	SE	SE	08-41S-25E	PROD	OP	43-037-15522	14-20-603-263		96-004190
	Q-21	SAN JUAN	UT	NE	NE	17-41S-25E	PROD	OP	43-037-30463	14-20-603-263		96-004190
	Q-22	SAN JUAN	UT	SE	NE	17-41S-25E	PROD	OP	43-037-15523	14-20-603-263		96-004190
	Q-23	SAN JUAN	UT	SE	SE	17-4S-25E	PROD	OP	43-037-31124			
	R-06	SAN JUAN	UT	SW	NW	28-40S-25E	WSW	SI	43-037-05843	14-20-603-2040-A		96-004190
	R-08	SAN JUAN	UT	SW	SW	28-40S-25E	PROD	OP	43-037-15329	14-20-603-2040-A		96-004190
	R-09	SAN JUAN	UT	NW	NW	33-40S-25E	PROD	OP	43-037-16147	14-20-603-2057		96-004190
	R-10	SAN JUAN	UT	SW	NW	33-40S-25E	PROD	OP	43-037-31121	14-20-603-2057		96-004190
	R-11	SAN JUAN	UT	NW	SW	33-40S-25E	INJ	SI	43-037-05741	14-20-603-2057		96-004190
	R-11A	SAN JUAN	UT	NW	SW	33-40S-25E	INJ	OP	43-037-30179	14-20-603-2057		96-004190
	R-12	SAN JUAN	UT	SW	SW	33-40S-25E	PROD	OP	43-037-30651	14-20-603-2057		96-004190
	R-13	SAN JUAN	UT	NW	NW	04-41S-25E	INJ	OP	43-037-05709	14-20-603-2057		96-004190
	R-14	SAN JUAN	UT	SW	NW	04-41S-25E	PROD	OP	43-037-30202	14-20-603-2057		96-004190
	R-16	SAN JUAN	UT	SW	SW	04-41S-25E	PROD	OP	43-037-30272	14-20-603-2057		96-004190
	R-17	SAN JUAN	UT	NW	NW	09-41S-25E	INJ	OP	43-037-05802	14-20-603-359		96-004190
	R-18	SAN JUAN	UT	SW	NW	09-41S-25E	PROD	OP	43-037-30770	14-20-603-359		96-004190
	R-19	SAN JUAN	UT	NW	SW	09-41S-25E	INJ	OP	43-037-05554	14-20-603-359		96-004190
	R-20	SAN JUAN	UT	SW	SW	09-41S-25E	PROD	OP	43-037-30462	14-20-603-359		96-004190

RECEIVED  
JAN 09 1989

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DIVISION OF  
OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

1. Oil Well  Gas Well  Other:  Injection Well
2. Name of Operator  
MOBIL OIL CORPORATION
3. Address of Operator  
P. O. DRAWER G, CORTEZ, CO. 81321
4. Location of Well  
1899' FNL 532' FEL
5. Lease Designation & 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 Unit
9. Well No.  
Q-10
10. Field and Pool, or Wildcat  
Greater Aneth
11. Sec. T,R,M or BLK and Survey or Area  
SE/4 NE/4 Sec 32 T40S R25E
12. County, Parish  
San Juan
13. State  
Utah
14. Permit No.  
43-037-15973
15. Elevations (DF, RT, GR)  
4847' GL

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

Notice of Intention To:		Subsequent Report of:	
Test Water Shut-off <input type="checkbox"/>	Pull or Alter Casing <input type="checkbox"/>	Water Shut-off <input type="checkbox"/>	Repairing Well <input type="checkbox"/>
Fracture Treat <input type="checkbox"/>	Multiple Complete <input type="checkbox"/>	Fracture Treatment <input type="checkbox"/>	Altering Casing <input type="checkbox"/>
Shoot or Acidize <input type="checkbox"/>	Abandon * <input type="checkbox"/>	Shooting/Acidizing <input checked="" type="checkbox"/>	Abandonment * <input type="checkbox"/>
Repair Well <input type="checkbox"/>	Change Plans <input type="checkbox"/>	(Other) Well Conversion <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)	

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

Rigged up pulled and laid down production equipment. RIH with bit and scraper cleaned hole to 5724'. POOH with tubing and scraper. RIH with packer and 180 jts of tubing. Set packer at 5638'. Fill annulus with fresh water and pressure test to 1200 psi. No leak off observed. Released annulus pressure. Rigged up Halliburton Services and acidized Desert Creek I perfs with 4000 gal 28% HCL. Ran four 1000 gallon stages with three 1000 gallon (2.5 lb/gallon) salt plug spacers in between acid stages. Average pump rate 3.5 BPM. Average pump pressure 0 psi. Final shut in pressure 0 psi, well on vacuum. Shut in over night.

Released pressure off well (acid gas) and ROOH with treating packer. RIH with Baker loc-set injection packer on 180 joints of tubing. Set packer at 5638'. Filled casing tubing annulus with inhibited water and flanged up wellhead. Pressure tested casing tubing annulus to 1200 psi. Held pressure for 30 minutes. No leak off observed. Relieved pressure and turned well to injection. Initial injection rate was 415 BWPD at 1900 psi.

12/30/88

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

Signed: M. T. Balog Title: Sn Op Engr Date: 12/30/88  
M. T. Balog

---

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

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 Q-10**

9. API Well No.  
**43-037-15973**

10. Field and Pool, or exploratory Area  
**GREATER ANETH**

11. County or Parish, State  
**SAN JUAN UT**

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1899' FNL, 532' FEL; SEC 32, T40S, R25E**

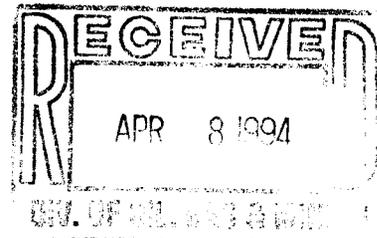
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

\*\*\* SEE ATTACHED \*\*\*



14. I hereby certify that the foregoing is true and correct.  
Signed Donnell Irving Shirley, Jr. Title ENV. & REG. TECHNICIAN Date 04/04/94

(This space for Federal or State office use)

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

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

McElmo Creek Unit G-10  
Workover Procedure

1. RI 100+ bbl flat bottom open top tank with gas vent line. MURU coiled tubing unit with 1-1/4" coiled tubing. M1 Standby Safety Services (303/565-6391) having 5 Scott 30 minute airpicks, five minute escape packs for all coiled tubing/acid stimulation crew, personal H2S monitors for all personnel on location, and one safety man. Acid stimulation company to provide eye wash station. Hook up coiled tubing injection pump to fresh water transport. Lay flow line from wing valve to a choke manifold having two adjustable chokes. Lay flowline from choke manifold to flat bottom tank. Stake and chain flowline down. PT coiled tubing to 6000 psi using injection water.
2. RIH with 1-1/4" coiled tubing with perforation wash nozzle and CO to PBTD at 5754' using fresh water at maximum circulating rate at maximum circulating pressure of 5000 psi. Shoot 5 bbls of xylene across perforations and bullhead into formation using fresh water. POH. If unable to CO fill using injection water, attempt to clean out fill using 10 bbl of 15 percent HCL acid containing 2 gals/mgals corrosion inhibitor, and 10 lbs/mgals iron sequestering agent, 1 percent mutual solvent, neutralizing any unspent acid that returns to tank. If unsuccessful in cleaning well out. POH. RIH with 1-3/4" dynadrill on 1-1/4" coiled tubing and drill out fill. POH.
3. MURU wireline unit with lubricator. Turn off all radios/cellular telephones on location and post warning signs for radio/cellular telephone silence at all roads within 100 yards of location. RIH with 1-11/16" magnetically decentralized Enerjet perforating guns loaded with 5.0 gram RDX charges at 6 SPF, 0 degree phasing and perforate 5716'-5750' and 5666'-5700'. POH. RDMO wireline.
4. RU coiled tubing. Pickle coiled tubing with 3 bbls of 15 percent HCL acid, reverse out to pit or tank and neutralize. RIH with 1-1/4" coiled tubing with perforation wash nozzle. Wash perforations shot in previous step without taking returns using 2 bbls/ft of 15 percent HCL acid. NOTE: All acid pumped into well to contain 2 gals/mgals corrosion inhibitor, 10 lbs/mgals iron sequestering agent, and 1 percent mutual solvent. Pump rate should be maximum injection rate at 5000 psi surface injection pressure. Overdisplace acid using fresh water. POH. RDMO coiled tubing unit and all surface equipment.
5. Pump out tank. Turn well over to production leaving well shut in.

FOR \_\_\_\_\_

JOB OR AUTH. NO. \_\_\_\_\_

LOCATION \_\_\_\_\_

PAGE \_\_\_\_\_

SUBJECT McElmo Creek Unit # Q-10  
Coiled Tubing Workover

DATE 30/MAR/94

BY S.S. MURPHY

EXISTING

2- $\frac{3}{8}$ " 4.7# J-55 EME  
8rd IPC tubing

8- $\frac{5}{8}$ " 24# J-55 at 514'  
cont'd w/225 sxS

Downhole shut off valve  
on/off tool  
Baker invented Lok-set  
packer at 5638' (Tail)

EXISTING PERFS

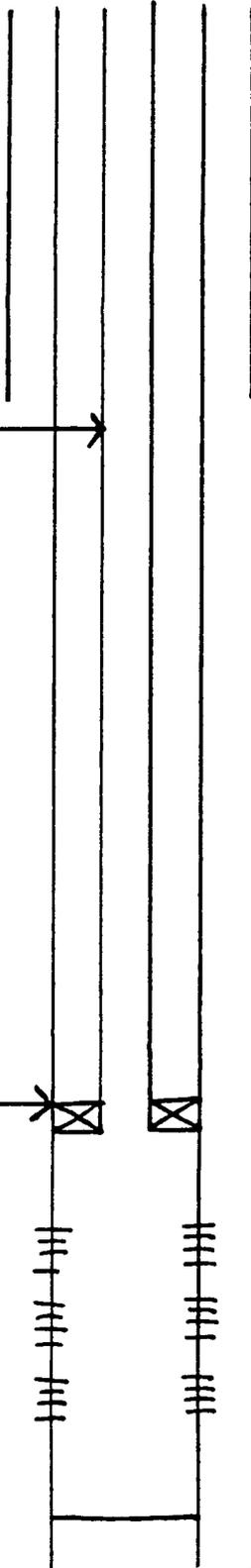
5666' - 5700' 2SPF

5717' - 5725' 2SPF

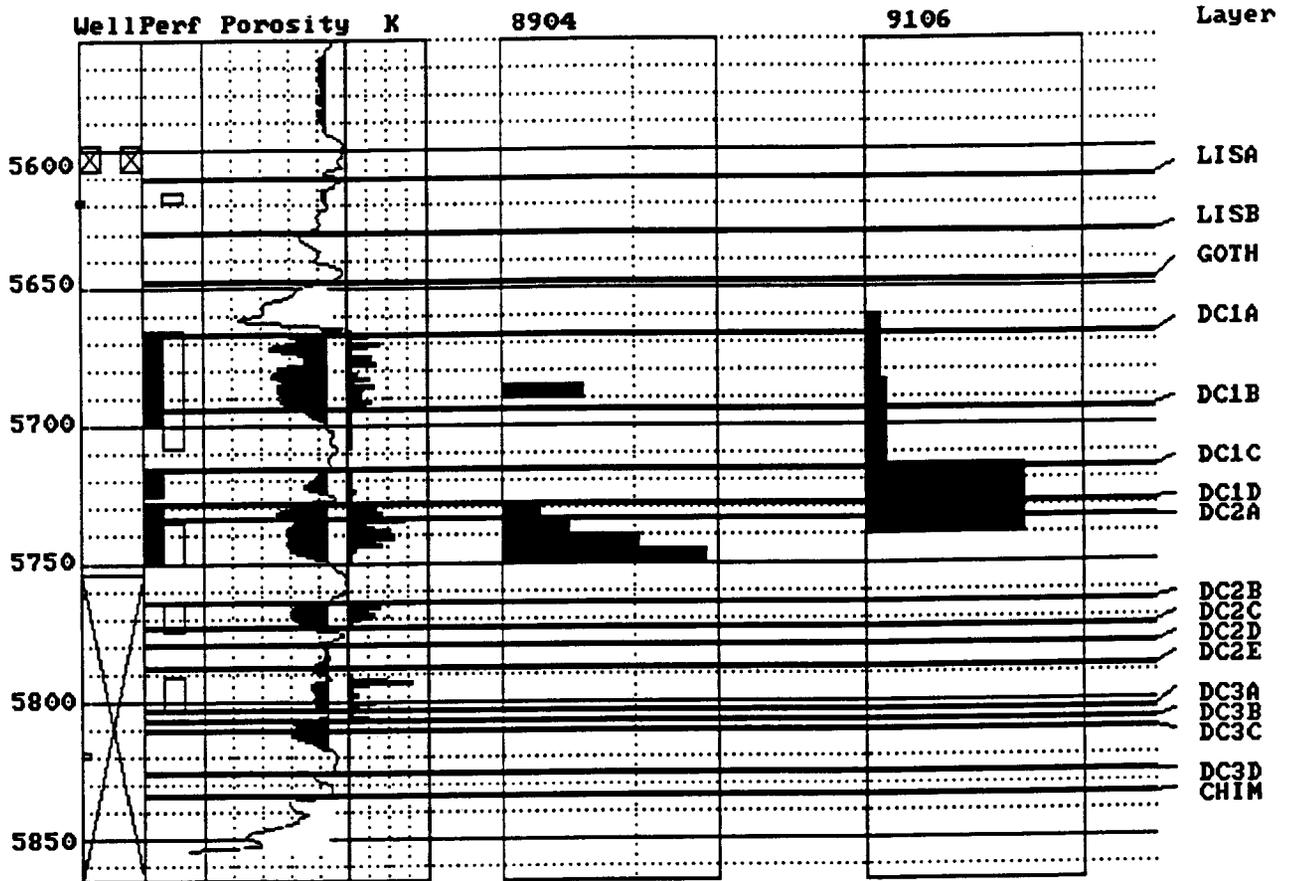
5729' - 5750' 2SPF

PBTP 5754'  
TD 5865'

5- $\frac{1}{2}$ " 14/15.5# J-55 at  
5865' cont'd w/300 sxS



PROFILE HISTORY  
McElmo Creek Unit Q-10



PROFILE NOTES:

9106 Profile: 58.0% of flow below 5740 ft.

PROFILE HISTORY:

DATE	UPIS	LISA	LISB	LSWA1	LSWA2	DC1A	DC1B	DC1C	DC1D	LSWB1	LSWB2	DC2A	DC2B	DC2C	DC2D	DC2E	DC3A	DC3B	DC3C	DC3D	Unknow	
8904						15.6				7.4		77.0										
9106						3.0	5.0	34.0														58.0

Proposed Perfs

5716' - 5750'

5666' - 5700'

No log required



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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

*Re-entry*

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)

1899' FNL, 532' FEL - *SE 1/4 NE 1/4*  
SEC. 32, T40S, R25E  
BHL-923' N OF S.L, 1182 W OF S.L - *NW 1/4 NE 1/4*

8. Well Name and No.

MCELMO CREEK Q-10

9. API Well No.

43-037-15973

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN UT

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

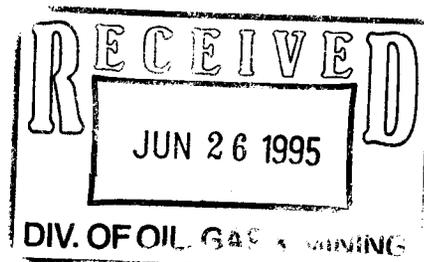
TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other SIDETRACK
- 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.)\*

SEE ATTACHED PROCEDURE



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

Signed *Shirley Robertson*

Title ENV. & REG. TECHNICIAN

Date 6-19-95

(This space for Federal office use)

Approved by *M. Matthews*

Title Petroleum Engineer

Date 6/28/95

Conditions of approval, if any:

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

## **McElmo Creek Unit Horizontal Drilling Procedure**

The objective of this procedure is to prepare this wellbore for sidetracking, sidetrack the subject well and drill a short radius horizontal well with a 1500' lateral.

1. Prepare location and dig working pit.
2. MIRU DDPU (daylight workover rig), reverse unit and H2S equipment.
3. Kill well if necessary, NU BOPs.
4. Pull and lay down production equipment.
5. TIH with full gauge bit and casing scraper to PBTD.
6. Circulate wellbore clean and POOH
7. TIH with section mill dressed with cutter arms for casing size to 2' below the Gothic Shale. Mill 25' section in casing. Circulate the hole clean and TOH with section mill.
8. TIH with cement retainer and set retainer 100' above the top perforation.
9. Set the retainer. Pull out of retainer and circulate the well with fresh water until it is static and free of oil and gas. Sting back into the retainer. Pressure backside to 500 psi. Locate the test position and test tubing to 3,000 psi.
10. Locate the squeeze position and establish an injection rate with fresh water. Maintain the 500 psi pressure on the annulus and monitor. Cement squeeze the desert Creek Perforations.
11. Pull out of the cement retainer and reverse out any excess cement. TOH with cement stinger.
12. TIH with MT bit. Drill cement retainer and cement to 3' below casing stub.
13. POOH, lay down tubing. RDMO.
14. MIRU 24 hour DDPU with drilling package.
15. PU curve drilling assembly and TIH on 2 7/8" DP to PBTD.
16. RU power swivel and wireline. Latch into gyro tool and orient BHA.
17. Sidetrack wellbore using gyro orientation. Switch to Magnetic steering tool when free of magnetic interference from casing.
18. Drill curve section using steering tool for orientation. POOH and LD curve drilling motor.
19. PU lateral drilling motor and new bit.

21. TIH with lateral drilling assembly. Steer assembly as necessary with steering tool to reach target. Make bit trips as necessary. Circulate wellbore clean and POOH.
22. Complete well as per operations Engineering.

Greater Aneth Field  
 San Juan County, Utah  
 1899' FNL, 532' FEL  
 SE/NE SEC 32 T40S, R25E  
 API# 4303715973  
 PRISM ID: 0000372  
 Spud Date: 3/6/60  
 Converted to Inj: 11/88

# McElmo Creek Q-10

INJECTOR

KB: 4859'

GL: 4847'

8-5/8" 24# J-55  
 CMT w/225 SX

514'

Tubing Detail:  
 2-3/8" 4.7# J-55 @ 5605'

TOC 4479

Packer 5598

Sqz. Perfs  
 5615-19  
 5735-59  
 5765-75  
 5791-5804

Perfs: Desert Creek Zone I  
 2 Jspf 5666-5700'  
 2 Jspf 5717-5725'  
 2 Jspf 5729-5750' } Reperf (6jspf)

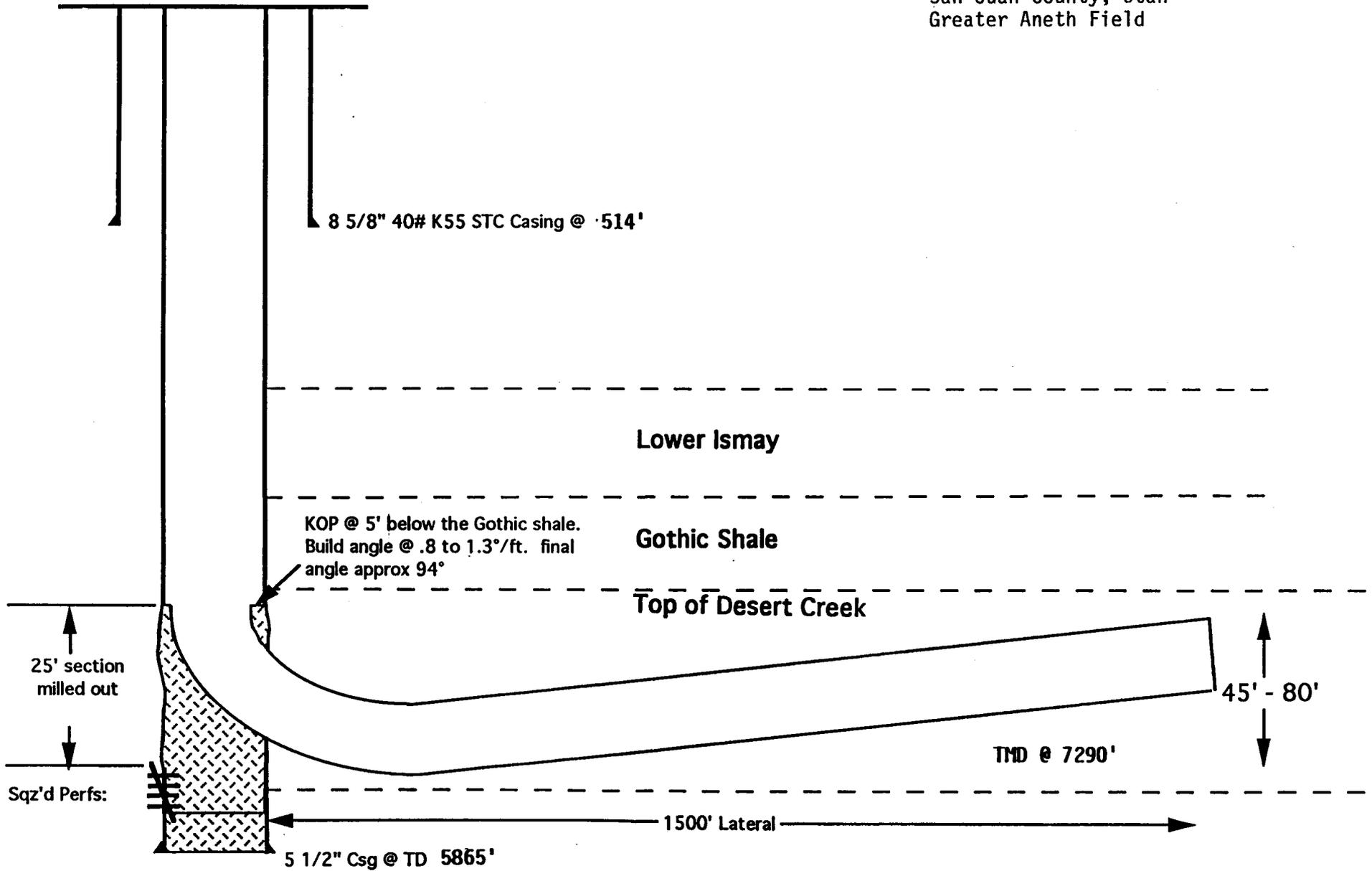
PBTD: 5754'

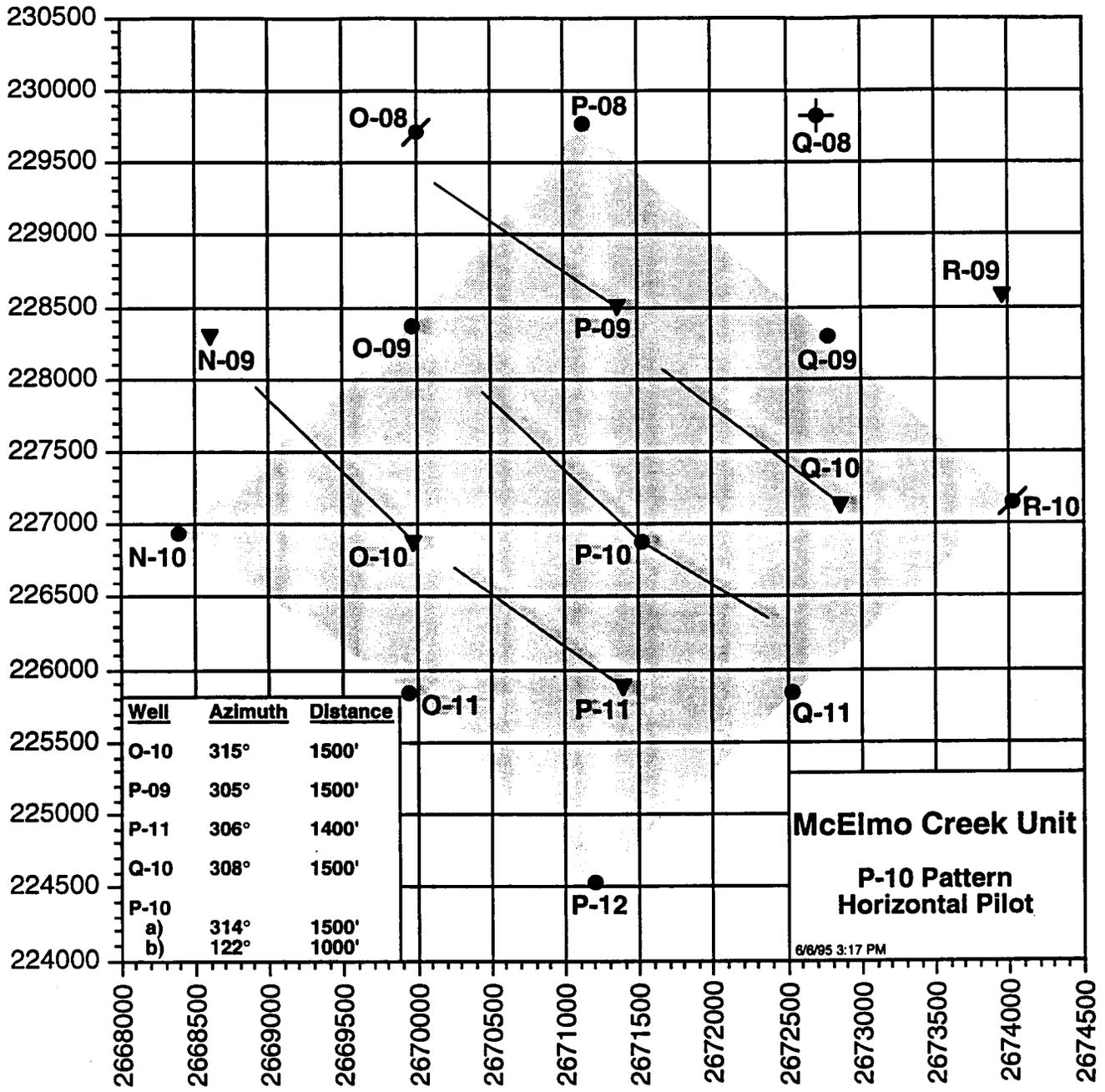
5-1/2" 14 & 15.5# J-55  
 Cmt w/300 sx

TD: 5865'

PROPOSED CONDITION  
McELMO CREEK UNIT WELL NO. Q-10

1899' FNL, 532' FEL  
BHL - 923' n OF S. L 1182' W. OF S. L  
SEC. 32, T40S, R25E  
San Juan County, Utah  
Greater Aneth Field





WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/26/95

API NO. ASSIGNED: 43-037-15973

WELL NAME: McELMO CREEK Q-10 (RE-ENTRY)  
 OPERATOR: MOBIL EXPL & PROD CO (N7370)

PROPOSED LOCATION:  
 SENE 32 - T40S - R25E  
 SURFACE: 1899-FNL-0532-FEL  
 BOTTOM: 0967-FNL-1714-FEL **NWNE**  
 SAN JAUN COUNTY  
 GREATER ANETH FIELD (365)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: IND  
 LEASE NUMBER: 14-20-603-372

PROPOSED PRODUCING FORMATION: DSCR

RECEIVED AND/OR REVIEWED:

Y Plat SEE ORIGINAL  
Y Bond: Federal  State  Fee   
 (Number \_\_\_\_\_)  
N Potash (Y/N)  
N Oil shale (Y/N)  
Y Water permit  
 (Number NAVATO WELL)  
N RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

R649-2-3. Unit: UTU 68930A  
 R649-3-2. General.  
 R649-3-3. Exception.  
 Drilling Unit.  
 Board Cause no: \_\_\_\_\_  
 Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

June 28, 1995

Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.  
P.O. Box 633  
Midland, Texas 79702

Re: McElmo Creek Q-10 Well, Surface Location: 1899' FNL, 532' FEL, SE NE;  
Bottom Hole Location: 967' FNL, 1714' FEL, Sec. 32, T. 40 S., R. 25 E., San Juan  
County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to reenter and drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-15973.

Sincerely,

R. J. Firth  
Associate Director

ldc

Enclosures

cc: San Juan County Assessor  
Bureau of Land Management, Moab District Office  
WAPD



**Operator:** Mobil Exploration & Producing U.S. Inc.  
**Well Name & Number:** McElmo Creek Q-10  
**API Number:** 43-037-15973  
**Lease:** Indian 14-20-603-372  
**Location:** SE NE Sec. 32 T. 40 S. R. 25 E.

### Conditions of Approval

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

**2. Notification Requirements**

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

**3. Reporting Requirements**

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, submittal of a complete angular deviation and directional survey report is required.**

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1- <del>LVC</del>	7-PL	<i>del</i>
2-LWP	8-SJ	
3- <del>DT</del>	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 &amp; 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: _____	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.
- See* 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*
- See* 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)*
- See* 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**

- L* 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* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- L* 2. A copy of this form has been placed in the new and former operators' bond files.
- L* 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* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19    , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DTS*  
*8/5/95*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

**FILMING**

- L* 1. All attachments to this form have been microfilmed. Date:                      19    .

**FILING**

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

**COMMENTS**

*950803 UIC F5/Not necessary!*

Division of Oil, Gas and Mining  
**PHONE CONVERSATION DOCUMENTATION FORM**

Route original/copy to:

**Well File** \_\_\_\_\_

(Location) Sec \_\_\_ Twp \_\_\_ Rng \_\_\_  
(API No.) \_\_\_\_\_

**Suspense**  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_

**Other**  
**OPER NM CHG** \_\_\_\_\_

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

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

Name R. J. FIRTH (Initiated Call ) - Phone No. ( \_\_\_\_\_ )

of (Company/Organization) \_\_\_\_\_

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

4. Highlights of Conversation: \_\_\_\_\_

OPERATOR NAME IS BEING CHANGED FROM M E P N A (MOBIL EXPLORATION AND PRODUCING  
NORTH AMERICA INC) TO MOBIL EXPLOR & PROD. THE NAME CHANGE IS BEING DONE AT  
THIS TIME TO ALLEVIATE CONFUSION, BOTH IN HOUSE AND AMONGST THE GENERAL PUBLIC.  
\*SUPERIOR OIL COMPANY MERGED INTO M E P N A 4-24-86 (SEE ATTACHED).

Record#	WELL_NAME	API_NUMBER	DATEAPPRVD	SPUD_DATE	COMPLTDATE	
✓ 2508	MCELMO CREEK O-10 (RE-ENTRY)	43-037-15967	06/28/95	1 1	1 1	Drl. E. WIW
✓ 2509	MCELMO CREEK P-11 (RE-ENTRY)	43-037-15971	06/28/95	1 1	1 1	Drl. E. WIW
✓ 2510	MCELMO CREEK Q-10* (RE-ENTRY)	43-037-15973	06/28/95	1 1	1 1	Drl. E. WIW
✓ 2507	MCELMO CREEK P-09 (RE-ENTRY)	43-037-16367	06/28/95	1 1	1 1	Drl. E. WIW
✓ 2143	RU 28-11 (RE-ENTRY)	43-037-30446	08/05/94	1 1	1 1	Drl. E. POW
✓ 2144	RU 29-31 (RE-ENTRY)	43-037-30914	08/05/94	1 1	1 1	Drl. E. POW
✓ 2146	RU 20-33 (RE-ENTRY)	43-037-30931	08/05/94	1 1	1 1	Drl. E. POW
✓ 2147	RU 29-42 (RE-ENTRY)	43-037-30937	08/05/94	1 1	1 1	Drl. E. POW
✓ 2148	RU 20-42 (RE-ENTRY)	43-037-31051	08/05/94	1 1	1 1	Drl. E. POW

APD: Approved  
 - Not yet  
 Spudded

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: MOBIL

Well Name: McELMO CREEK 0-10 (RE-ENTRY)

Api No. 43-037-15973

Section 32 Township 40S Range 25E County SAN JUAN

Drilling Contractor BIG "A"

Rig # 25

SPUDDED: Date 1/19/96

Time \_\_\_\_\_

How ROTARY

Drilling will commence \_\_\_\_\_

Reported by DAVID NEAL

Telephone # \_\_\_\_\_

Date: 1/18/96 Signed: FRM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APR 4 1996

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 **INJECTOR**

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

3. Address and Telephone No.  
**P.O. Box 633, Midland, TX 79702 915/688-2585**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1899' FNL, 532' FEL  
SEC. 32, T40S, 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 Q-10**

9. API Well No.

**43-037-15973**

10. Field and Pool, or exploratory Area

**GREATER ANTEH**

11. County or Parish, State

**SAN JUAN UT**

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

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

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

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

SEE ATTACHMENT

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

Signed Kelli Russell for Shirley Robertson Title ENV. & REG. TECHNICIAN

Date 03-28-96

(This space for Federal or State office use)

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

Conditions of approval, if any:

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

Q-10

12-09-95 MIRU, PUMP 30 BBLs 10.4#, WAIT TO STABILIZE.  
12-10-95 PUMP 50 BBLs 10.2# BW DOWN TBG, CHECK PSI 830#, 13.0# MUD  
12-11-95 PRESS TEST WELL HEAD AND 5.5" CSG TO 1000# OK, PERF GUN AND  
PERF TBG @ 5575' W/ 4 CIRC HOLES.  
12-12-95 CIRC CSG W/ 135 BBLs 13.5# MUD  
12-14-95 RAN 1.71" CIBP, TBG @ 5575", ISOLATE CIRC PERFS 5565' 5567', 1.71"  
CIBP, TBG @ 5555', CAP CIBP W/ 25' CMT PLUG.  
12-16-95 RIH W/ 5.5" CMT RET AND SET @ 5545'  
12-17-95 5666'-5750', SQUEEZE W/ 100 SXS CLASS G, SQUEEZE MAX PRESS  
1600#  
12-18-95 TAG CMT RET & 5540', DRILL CMT RET AND CMT TO 5585'  
12-19-95 DRILL CMT FM 5585'-5730', CIRC 5.5 CSG W/ 160 BBLs 13.7# MUD  
12-21-95 RIG UP AND MILL SECTION OF 5.5" CSG FM 5669'-5699' 30'  
12-21-95 HOWCO SPOT 25 SXS CLASS G PLUG W/ 2.5#, MIXED 17.1#, FM 5730-  
5538'  
12-22-95 CIRC CSG W/ 120 BBLs 10.2 # BW  
12-23-95 FISH  
12-26-95 FISH  
12-27-95 FISH  
12-28-95 TAG CEMENT AT 4831', CIRC., HOLE CLEAN  
12-29-95 CONTINUE IN HOLE AND TAG CMT. (WINDOW FROM 5669'-5699'), SET  
CIRC AT 5528'  
12-30-95 CIRC. HOLE W/ 10# BRINE. PUMP 10 FW AHEAD FOLLOWED BY 50  
SXS. CLASS "G" CMT. WITH 15.8# PPG. (10 BBLs. SLURRY) PUMP 5  
BBLs. SLURRY BELOW CIRC, SQUEEZE TO 2600#, 5BBLs. SLURRY TO  
PIT.  
01-02-96 TAG CMT. AT 5520', DRILL 6' CMT. TOP OF CIRC AT AT 5526' 2' PF  
CIRC.  
01-03-96 DRLG. CIRC AND GOOD FIRM CMT. TO 5663' (ABOVE WINDOW AT  
5669')  
01-18-96 MIRU BIG "A"  
01-19-96 NU BOPE  
01-20-96 TAG @ 5663', TEST CSG. TO 1000 PSI FOR 30 MIN. OK. CEMENT TOP  
@ 5654' TO KOP @ 5674'  
01-21-96 DRILL FROM 5674'-5735'  
01-22-96 FOUND WINDOW @ 5669' TO 5699', REAM WINDOW W/ SECTION  
MILL FROM 5669' TO 5699'  
01-23-96 SPOT 50 SXS. CMT. PLUG 5700 TO 5330 CLASS G CMT. PLUG DID NOT  
BALANCE, DISPLACED CMT. OUT OF HOLE, CIRC. HOLE WHILE  
WAITING ON MORE CMT, SPOT 50 SX. CMT. PLUG (CLASS "G" W/  
.05% 17.1 WT AND .98 YIELD.  
01-24-96 KOP TO 5673'  
01-25-96 DRILL FROM 5673'-5676. SLIDE DRILL FROM 5676'-5694', AND DRILL  
FROM 5694'-5745'

01-27-96 DRLG. 6099-6263'  
01-28-96 DRILL FROM 6263-6738'  
01-29-96 DRILL 6736-7062'  
01-30-96 DRLG. 7062-7068', DRLG FROM 7068-7079', DRLG. FROM 7079-7085',  
DRLG. FROM 7085-7110', T.D. WELL AT 7110'  
01-31-96 CIRC. HOLE WITH EXIXTING 10.5# GAL MUD. SWITCH OVER TO 8.6#  
FLUID AND DISPLACE 10.5 MUD OUT OF HOLE.  
02-04-96 RIH, 2 7/8" RE-CONDITIONED FLUROLINED TBG. STING INTO PKR @  
5580'. PRESSURE TEST TO 1000 PSI FOR 30 MIN. OK. RELEASE FROM  
PKR. & SPACE OUT 176, 7/8" EUE 8 RND FLUROLINED TBG.  
02-05-96 PRODUCTION. FINAL REPORT.

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other **INJECTOR**

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

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 (Report location clearly and in accordance with any State requirements)\*  
At surface **1899' FNL, 532' FEL**  
At top prod. interval reported below

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

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

7. UNIT AGREEMENT NAME  
**MCELMO CREEK UNIT**

8. FARM OR LEASE NAME, WELL NO.  
**MCELMO CREEK Q-10**

9. API WELL NO.  
**43-037-15973**

10. FIELD AND POOL, OR WILDCAT  
**GREATER ANETH**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**SEC. 32, T40S, R25E**

At total depth **BHL 932 N, 1207 W FROM SURF**

14. PERMIT NO. **43-037-15973** DATE ISSUED **N/A**

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

15. DATE SPUDDED **03-06-60** 16. DATE T.D. REACHED **01-30-96** 17. DATE COMPL. (Ready to prod.) **02-04-96** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **GL=4847'** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **MD7110'TVD5690** 21. PLUG, BACK T.D., MD & TVD **7110** 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY **X** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*  
**5669-7110' DESERT CREEK**

25. WAS DIRECTIONAL SURVEY MADE **YES**

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED **NO**

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
<b>8 5/8</b>	<b>24</b>	<b>514</b>		<b>225 SX SURF</b>	<b>NONE</b>
<b>5 1/2</b>	<b>14 &amp; 15.5</b>	<b>5865</b>		<b>300 SX TOC @ 4479</b>	<b>NONE</b>

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					<b>2 7/8</b>		<b>5580</b>

31. PERFORATION RECORD (Interval, size and number)  
**5669-7110**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	<b>5575</b>	<b>SET CIBP</b>
	<b>5555</b>	<b>SET CIBP &amp; CAP W/25'CMT PLUG</b>
	<b>5545</b>	<b>SET CMET RET.</b>
	<b>5666-5750</b>	<b>SQZ W/100 SX CI G (CONT'D)</b>

33.\* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	

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

35. LIST OF ATTACHMENTS  
**DIRECTIONAL DRILLING SURVEY 3-22-96 INJ RATE 327 BWPD @ 2200 PSI**

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

SIGNED Shelby Robinson TITLE **ENV. & REG. TECHNICIAN** DATE **03-28-96**

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			(CONTINUATION OF #32) 5730-5538 SPOT 25X CI 'G' 5669-5699 WINDOW 5528 SET CICR, PUMP 50X CI 'G' 5674 KOP 5330-5700 SPOT 50X CMT, CI 'G', SPOT AN ADDITIONAL 50X CI 'G'			

## BECFIELD SURVEY CALCULATION PROGRAM

**OPERATOR:** Mobil Exploration and Producing  
**WELL:** McElmo Creek Unit No. Q-10  
**JOB NO:** 163005  
**FIELD:** Greater Aneth  
**LOCATION:** San Juan County, Utah

**START:** 01/20/96  
**FINISH:** 01/30/95  
**COORDINATOR**  
 W.E. Sheridan  
 Lonnie Lamb

Survey No. 0 is a tie-in to a  
 SCIENTIFIC DRILLING INTERNATIONAL  
 KEEPER gyro survey run on 1/20/96

**EAST**  
**DECLINATION:** 12.3

### MINIMUM CURVATURE CALCULATIONS (SPE-3362)

**PROPOSED**  
**DIRECTION:** 308.00  
 (TRUE)

NO.	MD	INC.	TRUE AZIMUTH	TVD	N-S	E-W	SECT.	DLS/ 100
0	5,660.0	0.57	64.49	5,657.24	82.08	-110.22	137.39	0.10
1	5,674	2.7	356.7	5671.2	82.4	-110.2	137.6	18.14
2	5,679	6.6	345.0	5676.2	82.8	-110.3	137.9	79.87
3	5,684	11.9	339.5	5681.2	83.6	-110.5	138.6	107.35
4	5,689	18.4	337.1	5686.0	84.8	-111.0	139.7	130.58
5	5,694	24.1	333.0	5690.6	86.4	-111.8	141.3	117.74
6	5,699	29.5	324.6	5695.1	88.4	-112.9	143.4	131.68
7	5,707	36.5	323.3	5701.8	91.9	-115.5	147.6	87.94
8	5,717	47.6	330.3	5709.2	97.5	-119.1	153.9	120.36
9	5,745	75.3	335.2	5722.5	119.2	-130.2	176.0	100.07
10	5,751	76.8	334.5	5723.9	124.5	-132.6	181.1	27.44
11	5,781	77.7	327.8	5730.6	150.1	-146.7	208.0	21.99
12	5,811	79.2	322.0	5736.6	174.1	-163.6	236.1	19.59
13	5,843	83.0	317.0	5741.5	198.1	-184.2	267.1	19.59
14	5,872	84.6	313.1	5744.6	218.5	-204.6	295.7	14.31
15	5,903	85.5	305.5	5747.3	238.1	-228.4	326.6	24.60
16	5,934	87.6	300.6	5749.2	254.9	-254.4	357.4	17.17
17	5,966	93.3	301.6	5748.9	271.5	-281.8	389.1	18.08
18	5,997	98.9	303.8	5745.6	288.1	-307.7	419.8	19.39
19	6,027	101.2	303.9	5740.4	304.5	-332.2	449.3	7.67
20	6,059	102.4	302.9	5733.9	321.8	-358.4	480.5	4.84
21	6,088	104.1	302.6	5727.2	337.1	-382.1	508.6	5.95
22	6,119	100.2	301.0	5720.7	353.0	-407.9	538.7	13.55
23	6,149	101.0	301.1	5715.2	368.2	-433.1	568.0	2.69
24	6,178	101.5	300.5	5709.5	382.8	-457.5	596.2	2.66
25	6,209	101.8	299.4	5703.3	398.0	-483.9	626.3	3.61
23	6,238	98.8	300.4	5698.1	412.2	-508.6	654.5	10.89
24	6,269	95.5	303.0	5694.2	428.3	-534.7	685.1	13.51
25	6,301	94.2	304.5	5691.5	446.1	-561.3	716.9	6.19
26	6,332	88.9	305.3	5690.7	463.8	-586.7	747.8	17.29
27	6,363	91.7	306.7	5690.5	482.0	-611.7	778.8	10.10
28	6,392	89.9	305.8	5690.1	499.1	-635.1	807.8	6.94
29	6,423	90.9	307.1	5689.9	517.6	-660.1	838.8	5.29
30	6,453	88.9	306.1	5689.9	535.4	-684.1	868.8	7.45
31	6,483	90.0	307.1	5690.2	553.3	-708.2	898.7	4.96
32	6,513	88.8	306.2	5690.5	571.2	-732.3	928.7	5.00
33	6,543	88.7	306.1	5691.2	588.9	-756.5	958.7	0.47
34	6,574	89.0	306.6	5691.8	607.3	-781.5	989.7	1.88

## BECFIELD SURVEY CALCULATION PROGRAM

**OPERATOR:** Mobil Exploration and Producing  
**WELL:** McElmo Creek Unit No. Q-10  
**JOB NO:** 163005  
**FIELD:** Greater Aneth  
**LOCATION:** San Juan County, Utah

**START:** 01/20/96  
**FINISH:** 01/30/96  
**COORDINATOR**  
 W.E. Sheridan  
 Lonnie Lamb

Survey No. 0 is a tie-in to a  
**SCIENTIFIC DRILLING INTERNATIONAL**  
**KEEPER** gyro survey run on 1/20/96

**EAST**  
**DECLINATION:** 12.3

### MINIMUM CURVATURE CALCULATIONS (SPE-3362)

**PROPOSED**  
**DIRECTION:** 308.00  
 (TRUE)

NO.	MD	INC.	TRUE AZIMUTH	TVD	N-S	E-W	SECT.	DLS/ 100
35	6,605	88.9	306.3	5692.4	625.7	-806.4	1020.7	1.02
36	6,635	89.0	307.0	5692.9	643.6	-830.5	1050.7	2.36
37	6,665	89.0	306.8	5693.5	661.6	-854.5	1080.7	0.67
38	6,696	88.8	306.7	5694.1	680.2	-879.3	1111.6	0.72
39	6,728	88.6	304.2	5694.8	698.7	-905.3	1143.6	7.84
40	6,758	89.3	304.9	5695.3	715.7	-930.1	1173.5	3.30
41	6,789	91.8	305.2	5695.0	733.5	-955.4	1204.5	8.12
42	6,819	93.9	305.6	5693.5	750.9	979.8	1234.4	7.13
43	6,849	89.9	306.1	5692.6	768.4	-1004.1	1264.4	13.44
44	6,879	86.8	305.2	5693.4	785.9	-1028.5	1294.3	10.76
45	6,910	89.2	306.1	5694.5	804.0	-1053.7	1325.3	8.27
46	6,939	91.2	308.5	5694.4	821.6	-1076.7	1354.3	10.77
47	6,970	91.1	309.9	5693.8	841.1	-1100.8	1385.3	4.53
48	7,001	89.5	308.8	5693.6	860.8	-1124.7	1416.3	6.26
49	7,032	90.9	308.3	5693.5	880.1	-1149.0	1447.3	4.80
50	7,065	92.9	312.3	5692.4	901.4	-1174.1	1480.2	13.55
51	7,110	92.9	312.3	5690.1	931.7	-1207.4	1525.0	0.00

Survey No.'s 1-50 BY TENSOR STEERING TOOL

Survey No. 51 is a projection to TD

Bottom Hole Location (from Surface Location) :

Horizontal Displacement = 1525.1 feet

Displacement Bearing = North 52.3° West (TRUE)

Displacement Azimuth = 307.7° (TRUE)

**BECKFIELD**  
DRILLING SERVICES



**Mobil**

Drawn By: BEB

Checked By: DMG

Date: 2/05/96

HORIZONTAL  
PROJECTION

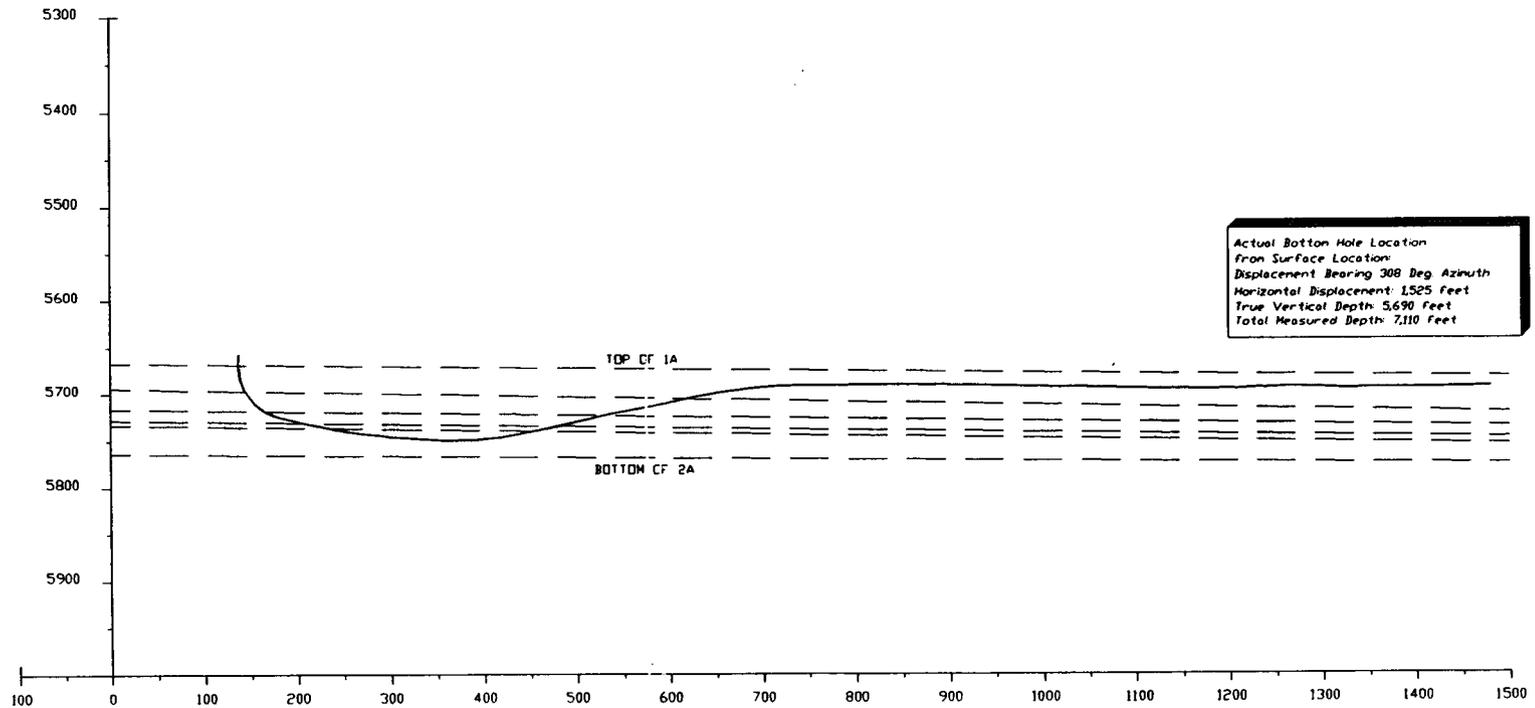
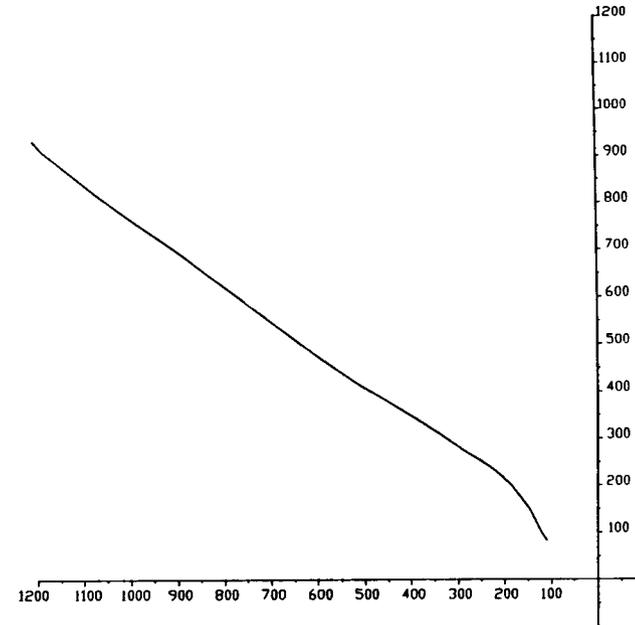


The Surface Location  
on this drawing is represented  
by the coordinates 00

Lease Lines and Well Lines  
are drawn in relation to  
the Surface Location

Magnetic Dec: 12.3° E

MOBIL EXPL & PROD  
McELMO CREEK UNIT Q-10  
SAN JUAN COUNTY, UTAH



**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:		<b>06-01-2001</b>
<b>FROM: (Old Operator):</b>		<b>TO: ( New Operator):</b>
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**

<b>WELL(S)</b>						
NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MCELMO CREEK F-11	36-40S-24E	43-037-15617	5980	INDIAN	WI	A
MCELMO CREEK G-12	36-40S-24E	43-037-15618	5980	INDIAN	WI	A
MCELMO CREEK I-12	36-40S-24E	43-037-15619	5980	INDIAN	WI	A
NAVAJO A-2 (MCELMO H-11)	36-40S-24E	43-037-16350	99990	INDIAN	WI	A
NAVAJO 7 (MCELMO T-8)	28-40S-25E	43-037-16377	99990	INDIAN	WI	A
NAVAJO TRIBE F-3 (MCELMO N-7)	29-40S-25E	43-037-16362	99990	INDIAN	WI	A
NAVAJO TRIBE F-18 (MCELMO P-7)	29-40S-25E	43-037-16366	99990	INDIAN	WI	A
MCELMO CREEK K-12	31-40S-25E	43-037-15955	5980	INDIAN	WI	A
NAVAJO TRIBE C-33-31 (MCELMO L-11)	31-40S-25E	43-037-15958	99990	INDIAN	WI	A
MCELMO CREEK M-10	31-40S-25E	43-037-15961	5980	INDIAN	WI	A
MCELMO CR M-12	31-40S-25E	43-037-15962	5980	INDIAN	WI	A
NAVAJO TRIBE C-13-31 (MCELMO J-11)	31-40S-25E	43-037-16354	99990	INDIAN	WI	A
NAVAJO TRIBE C-31-31 (MCELMO L-9)	31-40S-25E	43-037-16359	99990	INDIAN	WI	A
NAVAJO C-11-32 (MCELMO N-9)	32-40S-25E	43-037-15964	99990	INDIAN	WI	I
NAVAJO C-13-32 (MCELMO N-11)	32-40S-25E	43-037-15965	99990	INDIAN	WI	A
MCELMO CREEK O-10	32-40S-25E	43-037-15967	5980	INDIAN	WI	A
MCELMO O-12	32-40S-25E	43-037-15968	5980	INDIAN	WI	A
MCELMO CREEK P-11 (RE-ENTRY)	32-40S-25E	43-037-15971	5980	INDIAN	WI	A
MCELMO CREEK Q-10 (RE-ENTRY)	32-40S-25E	43-037-15973	5980	INDIAN	WI	A
NAVAJO C-31-32 (MCELMO P-9)	32-40S-25E	43-037-16367	99990	INDIAN	WI	A

**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: 06/29/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/29/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 04/09/2002
- Is the new operator registered in the State of Utah: YES Business Number: 579865-0143
- 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:**

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**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.

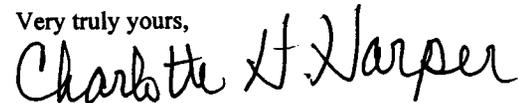
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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

~~XXXXXXXXXXXX~~  
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

<b>MINERAL RESOURCES</b>	
ADM 1	<i>QSM</i>
NATV AM MIN COORD	_____
SOLID MIN TEAM	_____
PETRO MINT 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

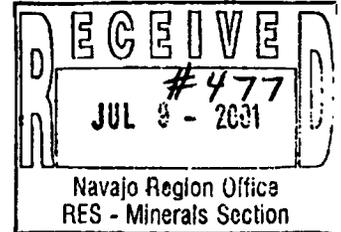
*pb 7/12/01*  
*JK*  
*543*  
*File*

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.

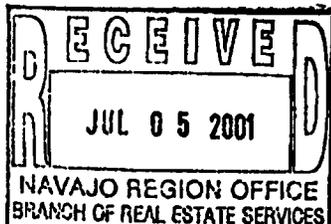
If you have any questions, please contact Alex Correa at (713) 431-1012.

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. Sullivan  
Assistant Secretary

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

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

Janice M. Phillips  
Notary Public



**LISTING OF LEASES OF MOBIL OIL CORPORATION****Lease Number**

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

6/1/01

# CHUBB GROUP OF INSURANCE COMPANIES

One Chubb Plaza, Suite 1400, Houston, Texas 77027-3501  
Houston, TX 77027-4600 • Facsimile: (713) 297-4750

*NW Bond*

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

**BOND NO 8027 31 97**

wherein

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

**FEDERAL INSURANCE COMPANY AS SURETY,**

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

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

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

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

**TO : ExxonMobil Oil Corporation**

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12<sup>th</sup> of June, 2001.

**ExxonMobil Oil Corporation**

By:



**FEDERAL INSURANCE COMPANY**

By:

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

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

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

Kenneth C. Wendel  
Kenneth C. Wendel, Assistant Secretary

Frank E. Robertson  
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.  
County of Somerset

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



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

Karen A. Price  
Notary Public

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

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

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

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

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



Kenneth C. Wendel  
Kenneth C. Wendel, Assistant Secretary

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

CSC

5184334741

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

CSC

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

F010601000187

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

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

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

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

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

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

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

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

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

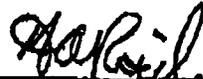
CSC  
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06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:06 NO.135 03/04

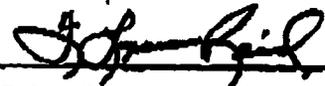
FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

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

  
\_\_\_\_\_  
F. A. Ritch, President 

STATE OF TEXAS        )  
COUNTY OF DALLAS    )

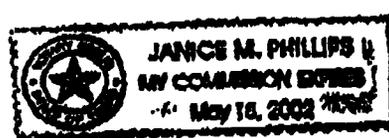
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
\_\_\_\_\_  
F. L. REID, Secretary

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

[SEAL]

  
\_\_\_\_\_  
NOTARY PUBLIC, STATE OF TEXAS



CSC  
CSC

5184334741

06/01 '01 09:01 NO.411 02/02  
06/01 '01 09:06 NO.152 04/04  
**F010601000187**

**CSC 45**

**CERTIFICATE OF AMENDMENT**

**OF**

**MOBIL OIL CORPORATION**

**Under Section 805 of the Business Corporation Law**

*SAC*

*100 cc*

**STATE OF NEW YORK  
DEPARTMENT OF STATE**

Filed by: EXXONMOBIL CORPORATION  
(Name)

**FILED JUN 01 2001**

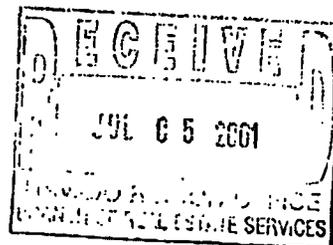
6949 Las Colinas Blvd.  
(Mailing address)

TAX \$ \_\_\_\_\_  
BY: *SAC*

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

*ny Albany*

*Case Reg # 165578 MPJ*



**010601000195**

State of New York }  
Department of State } ss:

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

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



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

*Special Deputy Secretary of State*

FORM 9

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

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 Well</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-803-372
2. NAME OF OPERATOR: Mobil Producing Texas & New Mexico, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribal
3. ADDRESS OF OPERATOR: P.O. Box 4358 Houston TX 77210-4358		7. UNIT OR CA AGREEMENT NAME: McElmo Creek Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: 8999 LERE S 5582' FEL		8. WELL NAME AND NUMBER: McElmo Creek Q10
STRUCT. SECTION, TOWNSHIP, RANGE, MERIDIAN: S 32 T 40 N R 29 E		9. API NUMBER: 4303715973
COUNTY: San Juan		10. FIELD AND POOL, OR WLOCAT: Greater Aneth
STATE: UTAH		

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: _____	<input checked="" 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 PLANE	<input 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"/> COMINGLE 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	

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

(1) MIRU CTU. Test BOP and all surface equipment to 5000 psi.  
 (2) RIH w/ CT to -6109'.  
 (3) Start pumping acid (~15,225 gals by volume mixed to 15% HCL +/- 10 gals per ft). Do not exceed 3000psi surface pressure.  
 Fluid Mixture Information per 1000 gal concentration as follows:  
 - 572.7 gals of water  
 - 379.1 gals of 36% HCL  
 - 2 gals of A281 Inhibitor  
 - 3 gals of F75N Surfactant  
 - 50 gals of U66 Mutual Solvent  
 - 15 lbs of L58 Iron Reducing Agent  
 (4) Once acid is pumped, displace with injection water containing soda ash to neutralize the acid remaining in the coiled tbg.  
 (5) POOH w/ CT. RDMO CTU. RWTL.

NAME (PLEASE PRINT) Kim S. Lynch TITLE Sr. Staff Office Assistant  
 SIGNATURE Kim Lynch DATE January 10, 2002

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

(See Instructions on Reverse Side)

COPY SENT TO OPERATOR  
 Date: 4-23-02  
 Initials: CHD

Date: 4/23/02  
 By: [Signature]

Federal Approval Of This  
Action Is Necessary

(9/2000)

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>14-20-603-372</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Navajo Tribal</b>
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.		7. UNIT or CA AGREEMENT NAME: <b>McElmo Creek Unit</b>
		8. WELL NAME and NUMBER: <b>McElmo Creek Q10</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Injection Well</u>	9. API NUMBER: <b>4303715973</b>	
2. NAME OF OPERATOR: <b>Mobil Producing Texas &amp; New Mexico, Inc.</b>	10. FIELD AND POOL, OR WILDCAT: <b>Greater Aneth</b>	
3. ADDRESS OF OPERATOR: <b>P.O. Box 4358</b> CITY <b>Houston</b> STATE <b>TX</b> ZIP <b>77210-4358</b>	PHONE NUMBER: <b>(713) 431-1197</b>	
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1899' FNL &amp; 532' FEL</b>	COUNTY: <b>San Juan</b>	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>S 32 40 S R25 E</b>	STATE: <b>UTAH</b>	

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: _____	<input checked="" 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 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.

- (1) MIRU CTU. Test BOP and all surface equipment to 5000 psi.
- (2) RIH w/ CT to ~6109'.
- (3) Start pumping acid (~15,225 gals by volume mixed to 15% HCL +/- 10 gals per ft). Do not exceed 3000psi surface pressure.

Fluid Mixture Information per 1000 gal concentration as follows:

- 572.7 gals of water
- 379.1 gals of 36% HCL
- 2 gals of A261 Inhibitor
- 3 gals of F75N Surfactant
- 50 gals of U66 Mutual Solvent
- 15 lbs of L58 Iron Reducing Agent

- (4) Once acid is pumped, displace with injection water containing soda ash to neutralize the acid remaining in the coiled log.
- (5) POOH w/ CT. RDMO CTU. RWTI.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

**RECEIVED**

JAN 11 2002

Date: \_\_\_\_\_

By: \_\_\_\_\_

DIVISION OF  
OIL, GAS AND MINING

NAME (PLEASE PRINT) <u>Kim S. Lynch</u>	TITLE <u>Sr. Staff Office Assistant</u>
SIGNATURE <u>Kim Lynch</u>	DATE <u>January 10, 2002</u>

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
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:		<b>6/1/2006</b>
<b>FROM:</b> (Old Operator): N1855-ExxonMobil Oil Corporation PO Box 4358 Houston, TX 77210-4358 Phone: 1 (281) 654-1936	<b>TO:</b> ( New Operator): N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 Denver, CO 80202 Phone: 1 (303) 534-4600	
<b>CA No.</b>	<b>Unit:</b>	<b>MC ELMO (UIC)</b>

**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:**

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**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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See attached list</b>
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: <b>Navajo Tribe</b>
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: <b>McElmo Creek Unit</b>
2. NAME OF OPERATOR: <b>Resolute Natural Resources Company</b> <i>N2700</i>		8. WELL NAME and NUMBER: <b>See attached list</b>
3. ADDRESS OF OPERATOR: <b>1675 Broadway, Suite 1950</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		9. API NUMBER: <b>Attached</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See attached list</b>		10. FIELD AND POOL, OR WILDCAT: <b>Greater Aneth</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		COUNTY: <b>San Juan</b>
		STATE: <b>UTAH</b>

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

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

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

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

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

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

(This space for State use only)

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

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

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

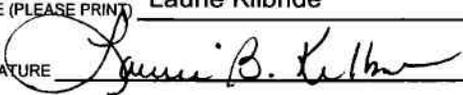
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

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

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

(This space for State use only)

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

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**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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-372
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO  <b>7. UNIT or CA AGREEMENT NAME:</b> MCELMO CREEK
--	--

<b>1. TYPE OF WELL</b> Water Injection Well	<b>8. WELL NAME and NUMBER:</b> MCELMO CREEK Q-10 (RE-ENTRY)
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<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES	<b>9. API NUMBER:</b> 43037159730000
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<b>3. ADDRESS OF OPERATOR:</b> 1675 Boradway Ste 1950 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 534-4600 Ext	<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1899 FNL 0532 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 32 Township: 40.0S Range: 25.0E Meridian: S	<b>COUNTY:</b> SAN JUAN  <b>STATE:</b> 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"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/5/2014  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input checked="" type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

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

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 June 02, 2014**

Date: \_\_\_\_\_  
 By: David K. Quist

<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/2/2014

# RESOLUTE

## NATURAL RESOURCES

### MCU Q-10 Coil Tubing Clean Out & Acidize

#### Procedure

1. LOTO Injection Lines at wellhead, on main isolation valves, and CP Panel.
2. MI spot CTU, pump unit, rig pit, install hard line and choke manifold.
3. RU CTU with 1.25 inch coil, 1.25 Vortec washtool.
4. Test lubricator and BOP's to 4500 psig.  
**Minimum ID @ 1.78 'R' profile @ 5602' KB' (1.72 no-go).**
5. RIH with CTU, establish circulation; jet/clean out 4-3/4" OH lateral 5674' to PBD at 7110' KB; Take solids samples for analysis. After reaching PBD, circ well bore clean.
6. POOH & load coil with 8 drums (or coil capacity) xylene or alternate solvent; Prepare to acidize behind the solvent with 5000 gal inhibited 20% HCl.
7. Spot coil at ~7105' near PBD & begin squeezing solvent at .5 bpm while pulling CT back at 52.5 fpm (for 440 gal solvent) to 6000'; stop & shut down  
for 30 min soak, then begin acid & return CTU nozzle to PBD and back to 6000' twice while pumping the acid. Coil speed will depend on pump rate.
8. Move the coil at the appropriate speed to finish acid back at 6000' after two passes; at .7 bpm, coil needs to move at 25.9 fpm.
9. From 6000' overdisplace acid past 7110' PBD with 125 bbls fresh water.
10. POOH with coil tubing.
11. RD CTU and stimulation equipment. Release equipment.
12. Backflow lateral line for cleanup.
13. Advise Pierce Benally (435) 619-7234 the well is ready to return to injection.

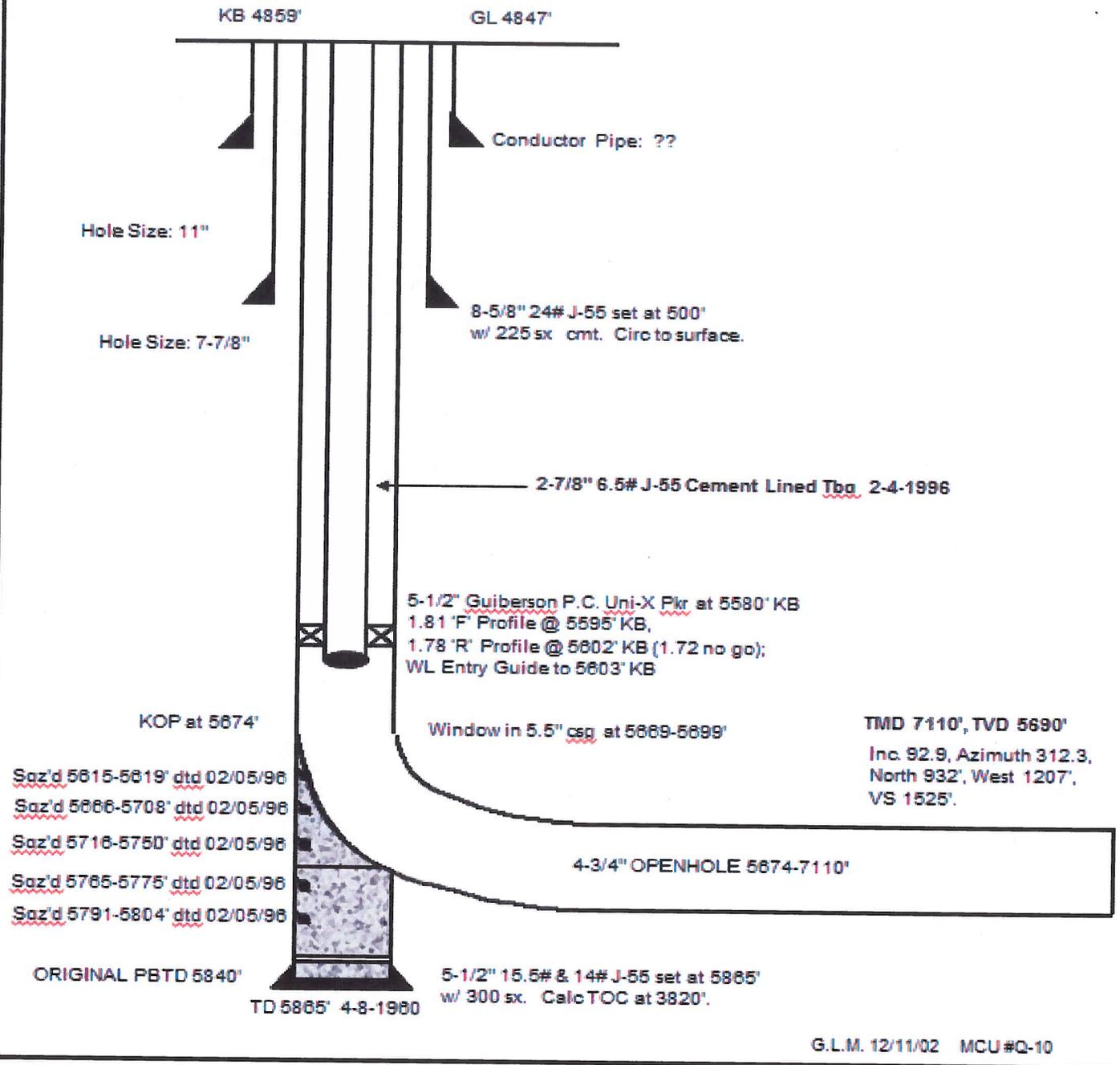
**McELMO CREEK UNIT # Q-10**  
**GREATER ANETH FIELD**

Surface Location: 1899' FNL, 532' FEL  
SEC 32-T40S-R25E

BH Location: 932' N & 1207' W of Surf. Loc.  
SEC 32-T40S-R25E

**INJECTOR**

SAN JUAN COUNTY, UTAH  
API 43-037-15973  
PRISM 0000372



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-372
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAVAJO
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> MCELMO CREEK
<b>2. NAME OF OPERATOR:</b> RESOLUTE NATURAL RESOURCES		<b>8. WELL NAME and NUMBER:</b> MCELMO CREEK Q-10 (RE-ENTRY)
<b>3. ADDRESS OF OPERATOR:</b> 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535		<b>9. API NUMBER:</b> 43037159730000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1899 FNL 0532 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 32 Township: 40.0S Range: 25.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
		<b>COUNTY:</b> SAN JUAN
		<b>STATE:</b> UTAH

11.

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

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

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

Resolute Natural Resources submits this sundry as notice that the acidizing and cleanout was completed on 6/6/2014 according to the previously submitted procedures

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**  
July 16, 2014

<b>NAME (PLEASE PRINT)</b> Erin Joseph	<b>PHONE NUMBER</b> 303 573-4886	<b>TITLE</b> Sr. Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/23/2014	