

Date first production: 11/10/76

COMPLETION DATA:	
Checked in NID File <input checked="" type="checkbox"/>	Checked by Chief _____
Located On S R Sheet _____	Copy NID to Field Office _____
Location Map Pinned <input checked="" type="checkbox"/>	Approval Letter _____
Card Indexed <input checked="" type="checkbox"/>	Disapproval Letter _____
I W R for State or Fee Land _____	
COMPLETION DATA:	
Date Well Completed <u>4/22/77</u>	Location Inspected _____
OW _____ WW _____ TA _____	Bond released _____
GW _____ OS _____ PA _____	State of Fee Land _____
LOGS FILED	
Driller's Log <input checked="" type="checkbox"/>	
Electric Logs (No.) <input checked="" type="checkbox"/>	
E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____	
Lat _____ Mi-L _____ Sonic _____ Others _____	

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
 1927' FSL, 377' FEL, SECTION 6, T41S, R25E, SLB&M
 At proposed prod. zone
 SE NE SE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 2.5 Miles NW of Aneth, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 6300'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1300'

19. PROPOSED DEPTH 5615'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4760' Ungraded Ground Level

22. APPROX. DATE WORK WILL START*
 November 1, 1976

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

9. WELL NO.
 MCU #M-15

10. FIELD AND POOL, OR WILDCAT
 GREATER ANETH

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

12. COUNTY OR PARISH 13. STATE
 SAN JUAN UTAH

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	100'	To Surface
12-1/4"	8-5/8"	24#	1500'	To Surface
7-7/8"	5-1/2"	14 & 15.5#	5615'	250 Sacks

1. Drill 17-1/2" hole to 100'. Set 13-3/8" casing at 100' and cement to surface.
2. Drill 12-1/4" hole to 1500'. Set 8-5/8" casing to 1500' and cement to surface.
3. Drill 7-7/8" hole through Desert Creek Zone I approximately 5615'.
4. Log well.
5. Set 5-1/2" casing at 5615' and cement with 250 sacks.
6. Perforate Desert Creek and stimulate based on log evaluation.

This well is a part of 40-acre infill drilling program now underway at McElmo Creek Unit.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 9-8-76
Charles B. [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present depth, hole size and proposed new or better 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 David G. Allison TITLE Engineer DATE 9/2/76

(This space for Federal or State office use)
 PERMIT NO. 43-034-30315 APPROVAL DATE _____

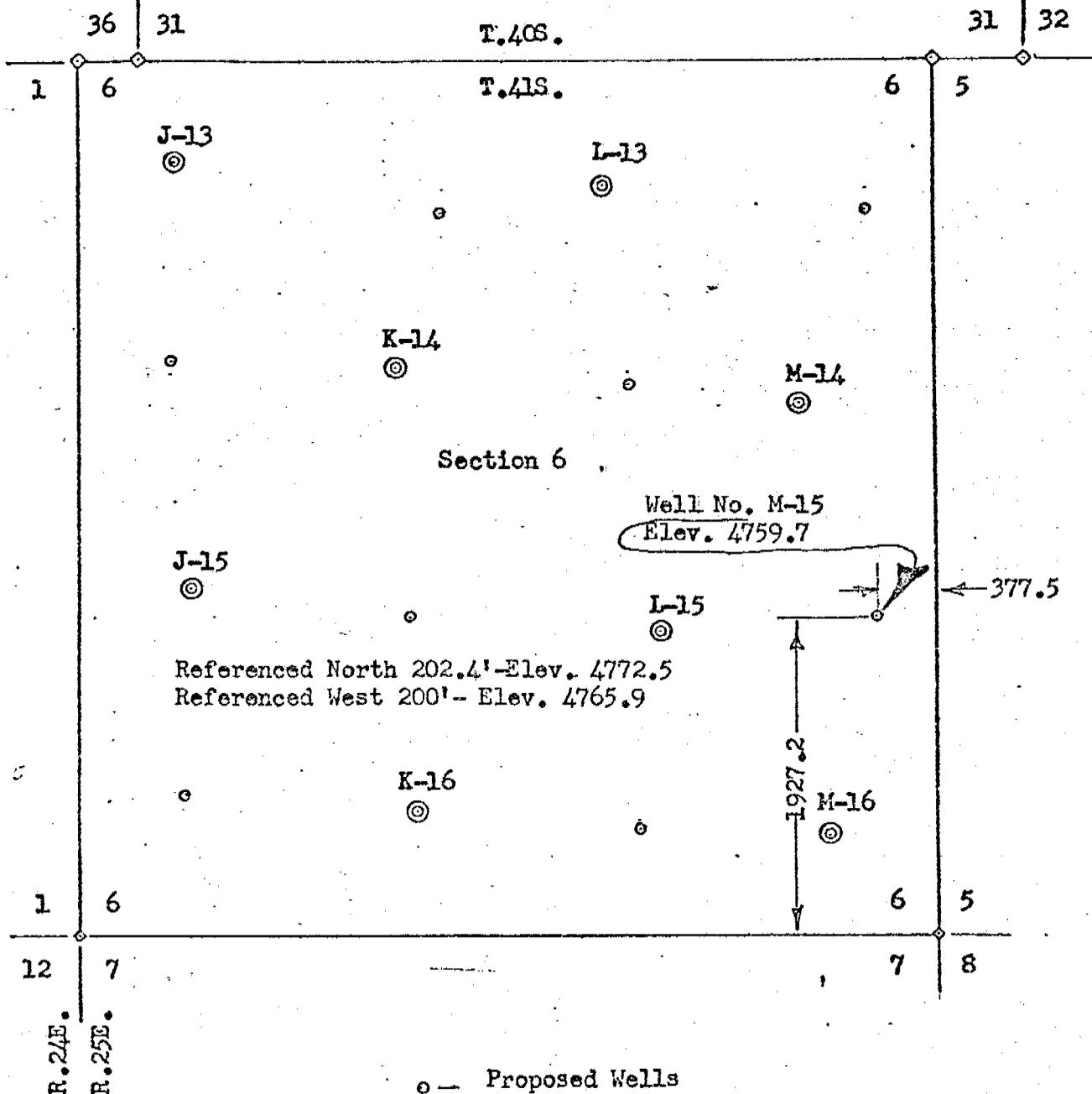
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

DGA/1h
 Orig. + 3 - USGS, State (2), J. K. Lawson, W. N. Mosley, J. M. Moter, D. H. Collins, W. J. Mann, Nav. Tribe, WIO, File

Section 6, T.41S., R.25E., S.L.P.M.

WELL NO. M-15



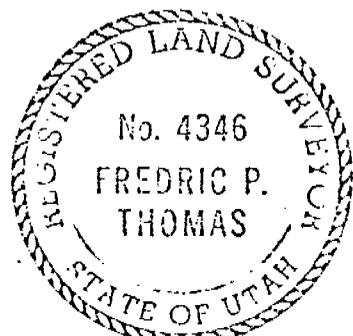
Referenced North 202.4'-Elev. 4772.5
Referenced West 200'-Elev. 4765.9

Well No. M-15
Elev. 4759.7

← 377.5

1927.2

- — Proposed Wells
- ⊙ — Existing Wells



THOMAS Engineering Inc.

432 N. Broadway
Cortez, Colorado
81305



KNOW ALL MEN BY THESE PRESENTS:
That I, Fredric P. Thomas,
do hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P. Thomas

Fredric P. Thomas
Reg. L. S. and P. E.
Colo. Reg. No. 6728

Bearing by
solar
observation

Scale: 1" = 1000' Corners
are 1 1/2" rebar
0 500 1000

THE SUPERIOR OIL COMPANY

P. O. DRAWER G
CORTEZ, COLORADO 81321

September 2, 1976

Mr. P. T. McGrath
District Engineer
U. S. Geological Survey
P. O. Box 959
Farmington, New Mexico 87401

RECEIVED
SEP 7 1976

Re: Surface Use Development Plan
Proposed Well
McElmo Creek Unit #M-15
1927' FSL, 377' FEL
Section 6, T41S, R25E
San Juan County, Utah

Dear Mr. McGrath:

The "Surface Use Development Plan" for the proposed McElmo Creek Unit Well #M-15 is as follows:

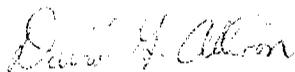
1. The existing roads and the location of the main highway exit are shown on the attached USGS topographic map.
2. A new 1400' X 30' access road is required, as shown on the attached plat. The proposed road will run west to the location and will be of compacted sand and gravel with a maximum grade of 14%. The road will be constructed so as to provide for adequate drainage. No major cuts or fills will be necessary.
3. The location and status of wells in the vicinity are shown on the attached plat.
4. The location of existing tank batteries, flow lines and lateral roads in the vicinity of the proposed well are shown on the attached plat. The 2-1/2" flow line for the proposed well will run 1400' north to an existing flow line.
5. Water for drilling operations will be obtained from the San Juan River.
6. Materials necessary for the construction of the access road and drilling pad will be obtained directly from the construction site. No access roads for the purpose of hauling materials will be necessary.
7. Waste materials will be collected in earth pits. The perimeter of these pits will be fenced with small mesh wire. When drilling operations are complete these earth pits will be backfilled and leveled to the contour of the original landscape. Small portable trailer houses for the company and contract drilling personnel may be on the location. A sufficient number of OSHA approved chemical toilets will be provided and maintained.

(2)

8. No permanent campsites or airstrips are anticipated.
9. The location and position of drilling equipment is shown on the attached plat. Included on this plat is a cross section diagram showing cuts and fills necessary for the construction of the drilling pad. The drilling pad will be located approximately at ground level. Native materials from the immediate area will be used in its construction.
10. After the well is completed a 75' X 100' production pad will be constructed. All other disturbed areas not necessary to normal well maintenance will be returned as near as possible to the original contour that existed prior to the commencement of drilling operations.
11. The proposed drillsite is located on a sandstone outcrop near the San Juan River. Surface land is owned by the Navajo Tribe and is used primarily for grazing. Vegetation consists of sparse desert type ground cover and Tamarisks. There are no Indian habitations or artifacts in the immediate vicinity of the proposed drillsite, access road or flowline.

Very truly yours,

THE SUPERIOR OIL COMPANY



David G. Allison

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by THE SUPERIOR OIL COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

9-3-76

Date



Wm. H. Edwards, Area Production Superintendent

SUPPLEMENT TO FORM 9-331C

WELL: MCU #M-15

SURFACE FORMATION WHERE PROPOSED DRILLING IS TO TAKE PLACE: Cedar Mesa

ESTIMATED FORMATION TOPS: (Measured from KB)

Chinle	1470'
DeChelly	2667'
Ismay	5417'
Gothic Shale	5523'

WATER BEARING FORMATIONS: Water is expected to be encountered intermittently from 400' to 1470'.

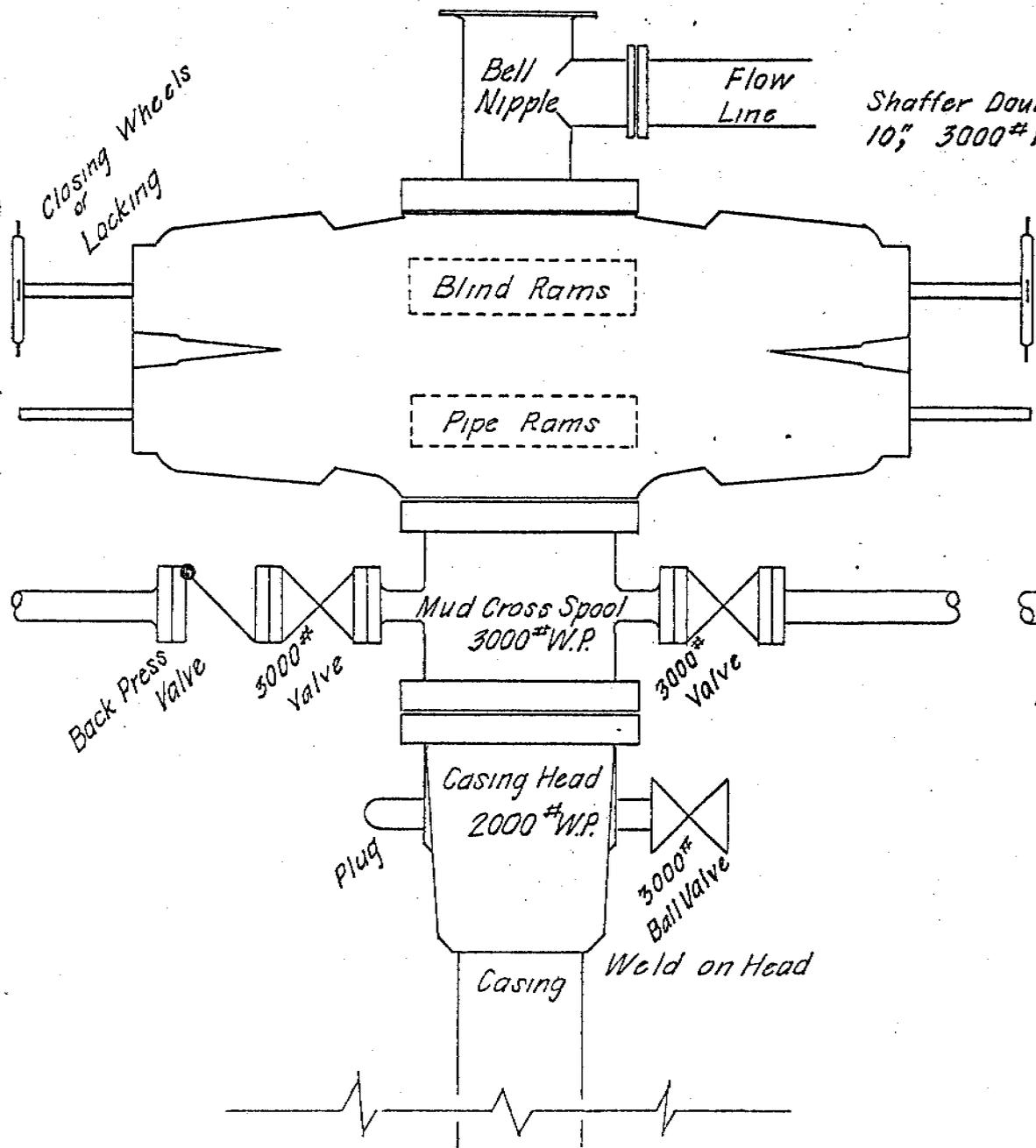
HYDROCARBON BEARING FORMATIONS: Oil and gas are expected to be encountered intermittently from 5500' to 5600'.

MUD PROGRAM: Surface to 2000' - Water.
2000' to 5400' - Caustic-Q-Broxin or similar mud system; no water loss control, weighted as necessary with Barite.
5400' to TD - Caustic-Q-Broxin or similar mud system; 15 cc water loss, weighted as necessary with Barite.

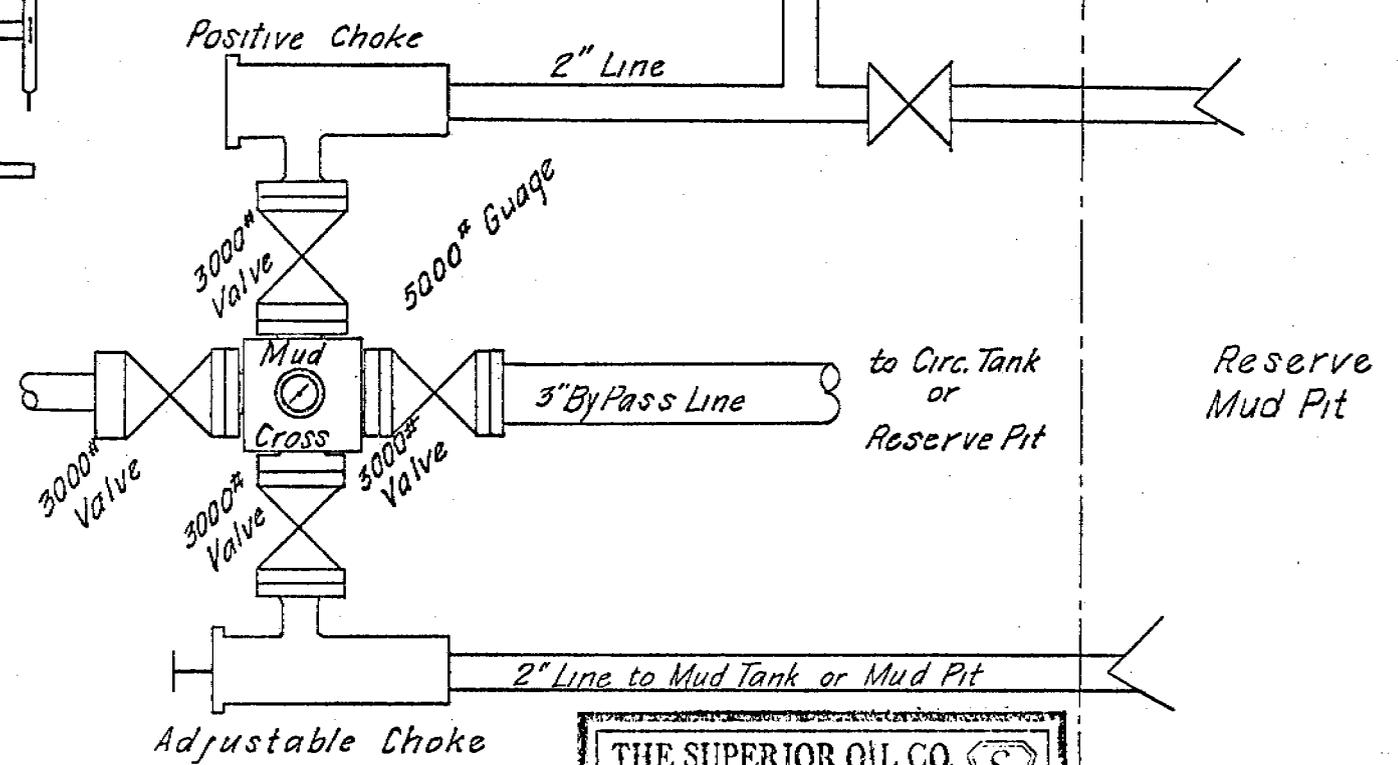
CEMENT PROGRAM: Conductor - Class "B" with 4% gel, 2% CaCl and 1/4#/sx Flocele
Surface - 475 sx Class "B" with 4% gel, 2% CaCl and 1/4# sx Flocele, followed with 100 sx Class "B" Neat with 2% CaCl
Production - Class "B" with 5#/sx salt, 1/2#/sx Firm Set and 3/4% D-31

LOGGING PROGRAM: CNL-DENSITY-GR - TD to 5000'

PRESSURE CONTROLS: Blowout preventer equipment will be 10" Series 600 with blind rams and drill pipe rams hydraulically and manually controlled. The blowout equipment will be tested at regular intervals. A schematic of the pressure control equipment can be seen on the following page. The mud system will be monitored by visual inspection.



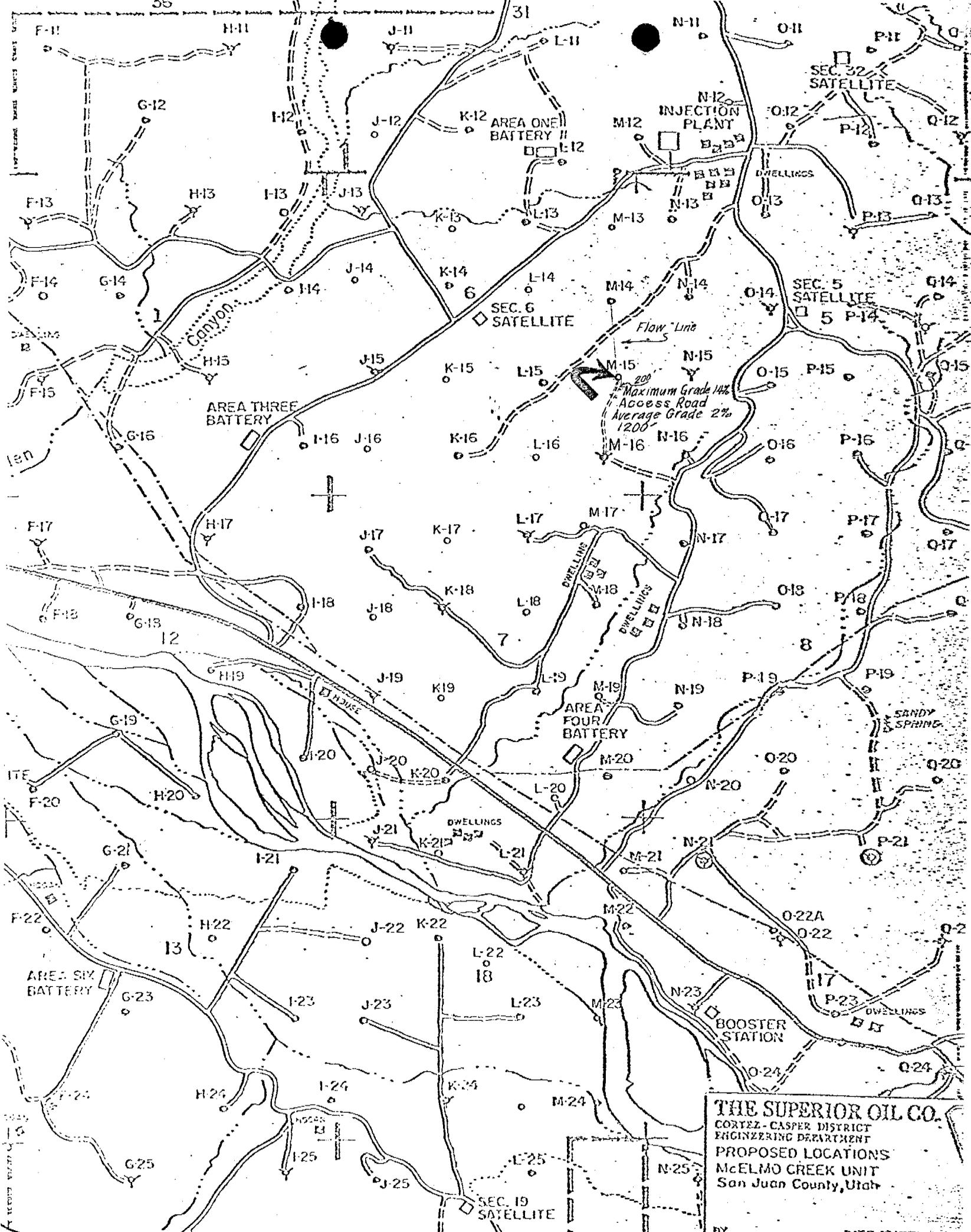
Shaffer Double Gate Blow Out Preventer
 10" 3000# W.P., 6000# Test, Type B



Circulating Tank

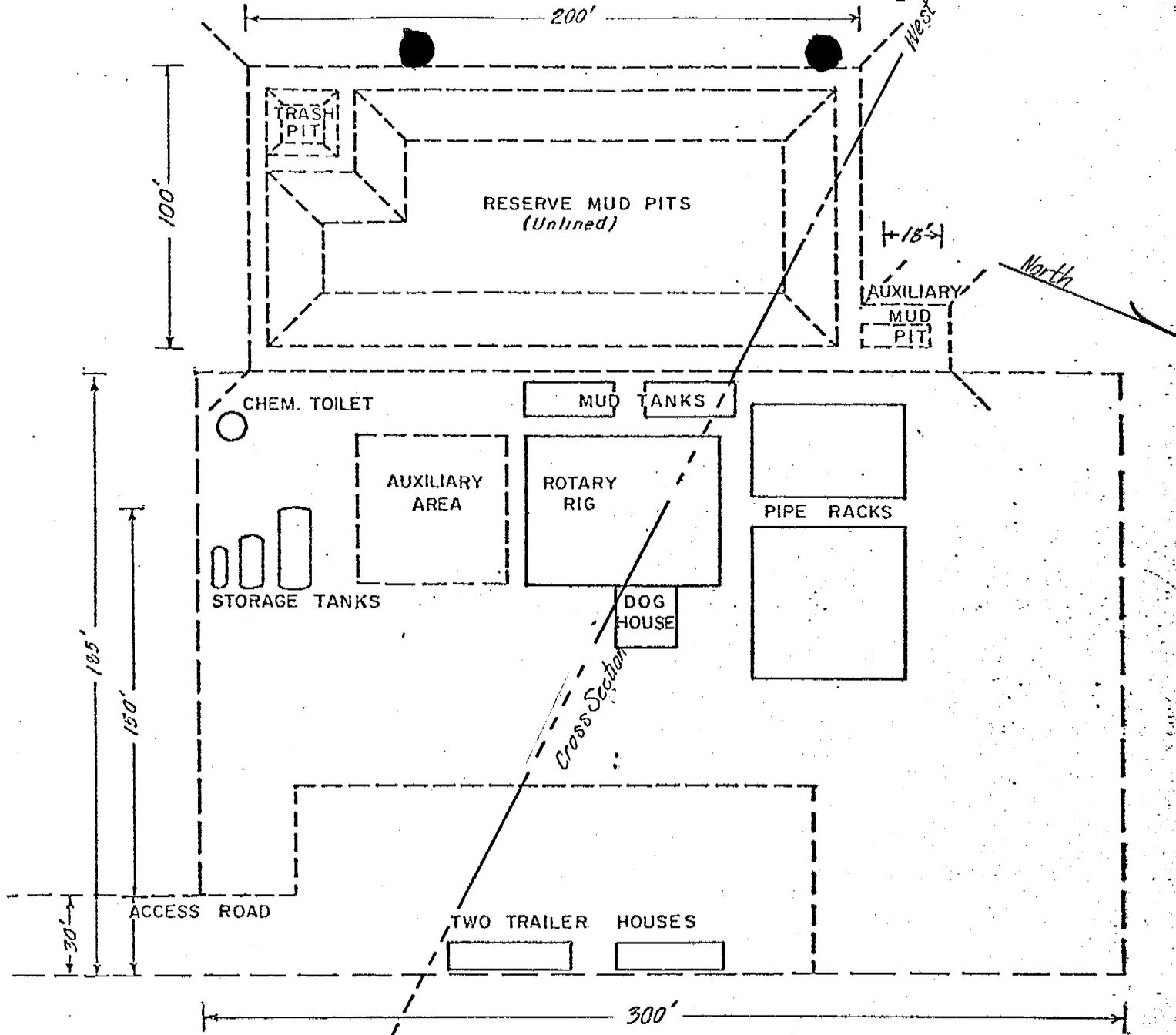
THE SUPERIOR OIL CO.
 CORTIZ-CASPER DISTRICT
 ENGINEERING DEPARTMENT
 SCHEMATIC DIAGRAM OF
 PRESSURE CONTROL
 EQUIPMENT

BY SCALE NONE
 DATE REVISED 8-12-76

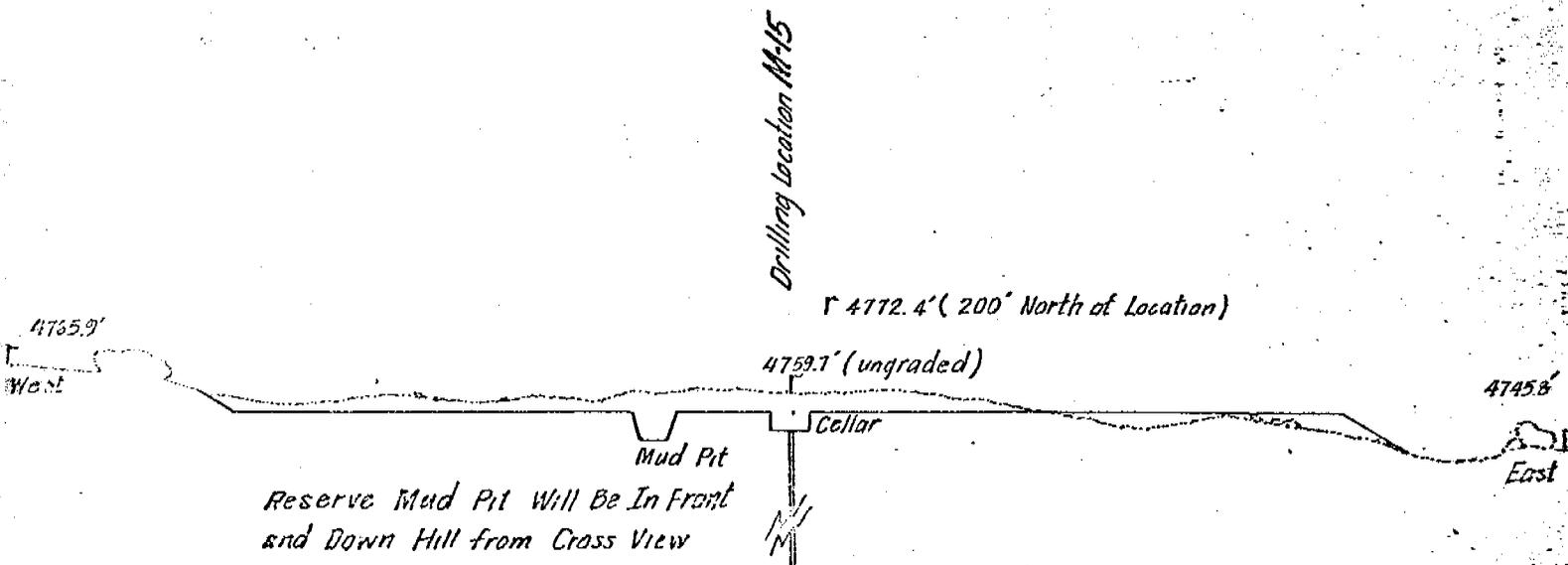


THE SUPERIOR OIL CO.
 CORTEZ-CASPER DISTRICT
 ENGINEERING DEPARTMENT
 PROPOSED LOCATIONS
 McELMO CREEK UNIT
 San Juan County, Utah

BY _____ DATE 10/17/75



THE DRILLING PAD WILL BE GRADED AND COMPACTED, AND COMPOSED OF NATIVE MATERIALS.



Original Contour
 Reference Stake

THE SUPERIOR OIL CO.		
CORTAZ-CASPER DISTRICT ENGINEERING DEPARTMENT		
RIG LAYOUT & DRILL PAD CROSS SECTION		
MCU WELL No. M-15		
McELMO CREEK UNIT SAN JUAN COUNTY, UTAH		
BY M.H.T.	DATE 8-12-78	
SCALE 1" = 50'	REVISED	

DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: Sept. 8-
 Operator: Superior Oil Co.
 Well No: McClure Creek M-15
 Location: Sec. 6 T. 41S R. 25E County: San Juan

File Prepared Entered on N.I.D.
 Card Indexed Completion Sheet

Checked By:

Administrative Assistant: [Signature]

Remarks:

Petroleum Engineer/Mined Land Coordinator: [Signature]

Remarks:

Director: [Signature]

Remarks:

Include Within Approval Letter:

Bond Required Survey Plat Required
 Order No. _____ Blowout Prevention Equipment
 Rule C-3(c) Topographical exception/company owns or controls acreage within a 660' radius of proposed site
 O.K. Rule C-3 O.K. In McClure Unit
 Other:

Approved
 Letter Written

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

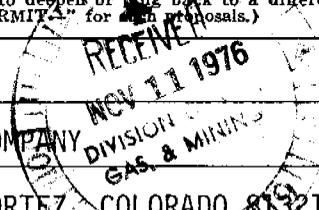
2. NAME OF OPERATOR
THE SUPERIOR OIL COMPANY

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
1927' FSL, 377' FEL, SECTION 6, T41S, R25E, SLB&M

14. PERMIT NO.
43-037-30315

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
4757' (graded)



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

9. WELL NO.
MCU #M-15

10. FIELD AND POOL, OR WILDCAT
GREATER ANETH

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA
SECTION 6, T41S, R25E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

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

NOTICE OF INTENTION TO:

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

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input checked="" type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

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

- Spudded in at 8:00 P.M. 10-15-76.
- Drilled 12-1/4" hole to 1510', Chinle formation.
- Ran 37 jts 8-5/8", 24#, K-55, ST&C w/float shoe and float collar to 1510'.
- Cemented surface casing to the surface w/900 sacks 50/50 Pozmix* class "A" and Class "B" cement (14.1 ppg) followed w/100 sacks Class "B" with 2% CaCl (15.6 ppg). Job complete at 5:45 P.M. 10-11-76. Had good cement returns. WOC for 3-1/2 hrs. Cut off 8-5/8" casing. Installed 8-5/8" head and pneumatic blowout preventers. Tested rams, chk manifold, and valves to 1600#. OK. WIH w/bit #4. Tagged cement at 1435'. Drilled cement and float equipment from 1435' to 1510' in 1/2 hr. Drilled ahead 10-10-76.

*Pozmix "B" - 2% CaCl, 0.6% Halad 22.

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

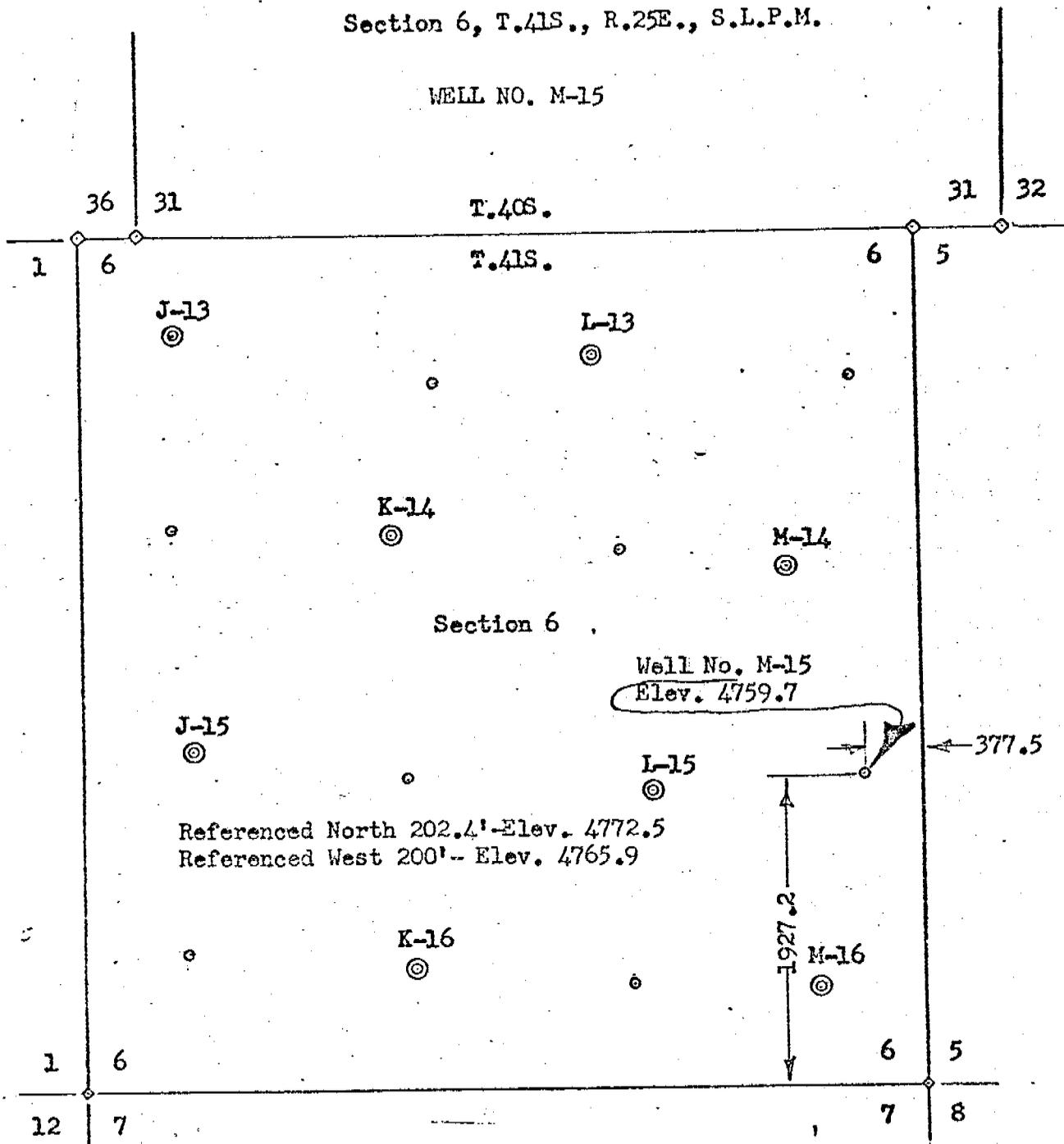
SIGNED Wm. H. Edwards TITLE Area Production Superintendent DATE November 8, 1976

(This space for Federal or State office use)

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

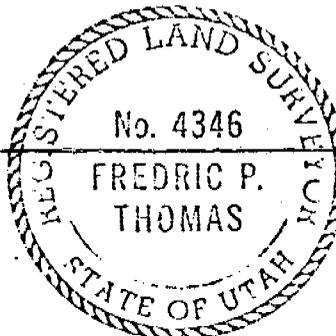
Section 6, T.41S., R.25E., S.L.P.M.

WELL NO. M-15



R.24E.
R.25E.

- — Proposed Wells
- ⊙ — Existing Wells



THOMAS Engineering Inc.

432 N. Broadway
Cortez, Colorado
565 7805



KNOW ALL MEN BY THESE PRESENTS:

That I, Fredric P. Thomas, do hereby certify that I prepared this plat from an actual and accurate survey of the land and that the same is true and correct to the best of my knowledge and belief.

Fredric P. Thomas

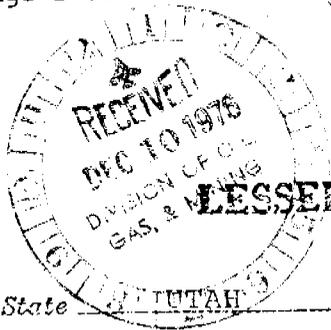
Fredric P. Thomas
Reg. L.S. and P.E.
Colo. Reg. No. 6728

Bearing by solar observation

Scale: 1" = 1000
Corners are 15' x 1/2" rebar
0 500 1000

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE _____
TRIBE Navajo
LEASE NO. 14-20-603-372



LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County SAN JUAN Field MC ELMO CREEK

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1976,

Agent's address P. O. BOX 71 Company THE SUPERIOR OIL COMPANY

Conroe, TEXAS 77301

Signed _____

Phone (713) 539-1771 Agent's title Petroleum Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	Days Produced	BARRELS OF OIL	GRAVITY	Cu. Ft. of GAS (in thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (If drilling, or shut down, cause; date and result of test for gasoline content of gas)
Sec. 4 SW-SW	41S	25E	R-16							TD 5674' 11-30-76 Completing
Sec. 5 SW-NW	41S	25E	N-14							TD 5740' 11-30-76 Testing
NE-NW	41S	25E	O-13							TD 5675' 11-30-76 Testing
NE-SW	41S	25E	O-15							TD 5580' 11-30-76 Testing
SW-SE	41S	25E	P-16							TD 5499' 11-30-76 Testing
NE-NE	41S	25E	Q-13							TD 5620' 11-30-76 Testing
NE-SE	41S	25E	Q-15							TD 5470' 11-30-76 Testing
Sec. 6 SW-NW	41S	25E	J-14							11-30-76 Waiting on R
SW-SW	41S	25E	J-16							11-30-76 Waiting on R
NE-NW	41S	25E	K-13							11-30-76 Waiting on R
NE-SW	41S	25E	K-15							11-30-76 Drilling
SW-NE	41S	25E	L-14							11-30-76 Drilling
SW-SE	41S	25E	L-16							11-30-76 Waiting on R
NE-NE	41S	25E	M-13							TD 5515' 11-30-76 Completing
*NE-SE	41S	25E	M-15							TD 5630' 11-30-76 Testing

NOTE.—There were _____ runs or sales of oil; _____ M. cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE
TRIBE Navajo
LEASE NO. 14-20-603-372

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County SAN JUAN Field MC ELMO CREEK

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1976,

Agent's address P. O. Box 71 Company THE SUPERIOR OIL COMPANY
Conroe, TEXAS 77301 Signed

Phone (713) 539-1771 Agent's title Petroleum Engineer

SEC. AND 1/4 OR 1/2	TWP.	RANGE	WELL No.	Date Produced	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If sold, so state)	REMARKS (If drilling, specify sort down, casing, date and nature of test for gas and content of gas)
Cont. Sec. 6										
SW-SE	41S	25E	L-16							12-31-76 Drilling
NE-NE	41S	25E	M-13							TD 5515' 12-31-76 Testing
✓ NE-SE	41S	25E	M-15							TD 5630' 12-31-76 Testing
Sec. 7										
SW-NW	41S	25E	J-18							TD 5460' 12-31-76 Completing
NE-NW	41S	25E	K-17							12-31-76 Drilling
NE-SW	41S	25E	K-19							12-31-76 Drilling
SW-NE	41S	25E	L-18							TD 5510' 12-31-76 Testing
SW-SE	41S	25E	L-20							TD 5365' 12-31-76 Testing
NE-NE	41S	25E	M-17							TD 5555' 12-31-76 Testing
SE-NE	41S	25E	M-19							TD 5435' 12-31-76 Testing
Sec. 8										
SW-NW	41S	25E	N-18							TD 5507' 12-31-76 Testing
NE-NW	41S	25E	O-17							TD 5768' 12-31-76 Testing

Note.—There were runs or sales of oil; M. cu. ft. of gas sold;

..... runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE _____
TRIBE Navajo
LEASE NO. 14-20-603-372

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County SAN JUAN Field MC ELMO CREEK

The following is a correct report of operations and production (including drilling and producing wells) for the month of January, 1977,

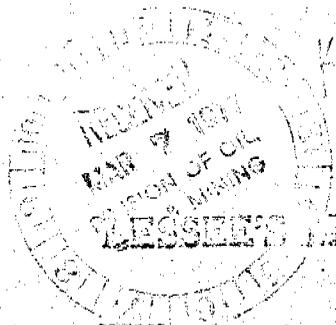
Agent's address P. O. Box 71 Company THE SUPERIOR OIL COMPANY
Conroe, TEXAS 77301

Phone (713) 539-1771 Signed [Signature] Agent's title Petroleum Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; data and result of test for gasoline content of gas)
Sec. 4 SW-SW	41S	25E	R-16							TD 5668' 1-31-77 Completing
Sec. 5 SW-NW	41S	25E	N-14							TD 5740' 1-31-77 Testing
NE-NW	41S	25E	O-13							TD 5675' 1-31-77 Testing
NE-SW	41S	25E	O-15							TD 5580' 1-31-77 Testing
SW-SE	41S	25E	P-16							TD 5499' 1-31-77 Completing
NE-NE	41S	25E	Q-13							TD 5620' 1-31-77 Testing
NE-SE	41S	25E	Q-15							TD 5470' 1-31-77 Testing
Sec. 6 SW-NW	41S	25E	J-14							TD 5488' 1-31-77 Testing
NE-NW	41S	25E	K-13							1-31-77 Drilling
NE-SW	41S	25E	K-15							TD 5555' 1-31-77 Testing
SW-SE	41S	25E	L-16							TD 5633' 1-31-77 Testing
NE-NE	41S	25E	M-13							TD 5515' 1-31-77 Testing
NE-SE	41S	25E	M-15							TD 5630' 1-31-77 Testing

NOTE.—There were _____ runs or sales of oil; _____ M. cu. ft. of gas sold;

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE _____
TRIBE Navajo
LEASE NO. 14-20-603-372

LESSOR'S MONTHLY REPORT OF OPERATIONS

State UTAH County SAN JUAN Field MC ELMO CREEK

The following is a correct report of operations and production (including drilling and producing wells) for the month of February, 19 77,

Agent's address P. O. Box 71 Company SUPERIOR OIL COMPANY
Conroe, TEXAS 77301 Signed [Signature]
Phone (713) 539-1771 Agent's title Petroleum Engineer

SECTION	TWP.	RANGE	TOWNSHIP	RANGE	QUARTER OF SECTION	SECTION	CR. FT. OF GAS (THERMAL)	WATER (GALLONS)	FEET OF (DEPTH)	REMARKS (If depth, number of days down, nature of test, and other pertinent data, instead of gas)
<u>Sec. 5</u> SW-NW	41S	25E	N-14							TD 5740' 2-28-77 Testing
NE-NW	41S	25E	O-13							TD 5675' 2-28-77 Testing
NE-SW	41S	25E	O-15							TD 5580' 2-28-77 Testing
NE-NE	41S	25E	Q-13							TD 5620' 2-28-77 Testing
NE-SE	41S	25E	Q-15							TD 5470' 2-28-77 Testing
<u>Sec. 6</u> SW-NW	41S	25E	U-12							TD 5400' 2-28-77 Testing
NE-NW	41S	25E	K-12							TD 5445' 2-28-77 Testing
NE-SW	41S	25E	K-15							TD 5555' 2-28-77 Testing
NE-NE	41S	25E	M-13							TD 5515' 2-28-77 Testing
NE-SE	41S	25E	N-15							TD 5630' 2-28-77 Testing
<u>Sec. 7</u> SW-NW	41S	25E	J-18							TD 5460' 2-28-77 Testing
SW-NE	41S	25E	L-18							TD 5510' 2-28-77 Test- ing

Note.—There were _____ runs or sales of oil; _____ M. cu. ft. of gas sold; _____ runs or sales of gas during the month. (Write "0" where applicable.)

Note.—Report on this form is required for each calendar month, regardless of the nature of operations, and must be filed in duplicate with the supervisor by the 15th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ALLOTTEE _____
TRICE _____ Navajo
LEASE NO. 14-20-603-372

LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County SAN JUAN Field MC ELMO CREEK

The following is a correct report of operations and production (including drilling and producing wells) for the month of March, 19 77,

Agent's address P. O. Box 71 Company THE SUPERIOR OIL COMPANY
Conroe, TEXAS 77301 Signed C. C. Darnett

Phone 713-539-1771 Agent's title Petroleum Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>Sec. 5</u> <u>NE-NW</u>	41S	25E	O-13							TD 5675' 3-31-77 Testing
NE-SW	41S	25E	O-15							TD 5580' 3-31-77 Testing
NE-NE	41S	25E	Q-13							TD 5620' 3-31-77 Testing
NE-SE	41S	25E	Q-15							TD 5470' 3-31-77 Testing
<u>Sec. 6</u> <u>SW-NW</u>	41S	25E	J-14		9000					TD 5488' 3-31-77 Testing
NE-SW	41S	25E	K-15							TD 5555' 3-31-77 Testing
NE-NE	41S	25E	M-13							TD 5515' 3-31-77 Testing
NE-SE	41S	25E	M-15							TD 5630' 3-31-77 Testing
<u>Sec. 7</u> <u>SW-NW</u>	41S	25E	J-18							TD 5460' 3-31-77 Testing
SW-NE	41S	25E	L-18							TD 5510' 3-31-77 Testing
NE-NE	41S	25E	M-17							TD 5555' Testing 3-31-77

Note.—There were _____ runs or sales of oil; _____ M. cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5

9

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
The Superior Oil Company

3. ADDRESS OF OPERATOR
Post Office Box 71, Conroe, Texas 77031

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1927' FSL, 377' FEL Sec. 6

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. 43-037-30315 DATE ISSUED 09-08-76

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

Mc Elmo Creek Unit

8. FARM OR LEASE NAME

Mc Elmo Creek

9. WELL NO.

MCU #M - 15

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec 6, T415, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DATE SPUDDED 10-15-76 16. DATE T.D. REACHED 11-03-76 17. DATE COMPL. (Ready to prod.) 04-22-77 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4759' KB 19. ELEV. CASINGHEAD 4757'

20. TOTAL DEPTH, MD & TVD 5630' 21. PLUG, BACK T.D., MD & TVD 5629' 22. IF MULTIPLE COMPL., HOW MANY* --- 23. INTERVALS DRILLED BY --- ROTARY TOOLS 0-5630' CABLE TOOLS None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5514 - 32' ismay Zone
5544 - 5622' Desert Creek Zone 1

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Densilog/Neutron Log

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24	1510	12 1/4"	1100 sx Pozmix & Class B	None
5 1/2"	14 & 15.5	5630'	7 7/8"	250 sx Class B	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	5626'	None

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

5514-32' (1 Jet/ft)	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5544-74' (2 Jets/ft)	5544-5622'	19,000gal. 28% HCl acid.
5585-94' (2 Jets/ft)	5514-32'	3,500 gal. acid
5598-5604' (2 Jets/ft)		
5608-22' (2 Jets/ft)		

33.* PRODUCTION

DATE FIRST PRODUCTION 11-10-76 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 1 1/2" rod pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 04-25-77 HOURS TESTED 24 CHOKE SIZE N/A PROD'N. FOR TEST PERIOD --- OIL—BBL. 49 GAS—MCF. No Test WATER—BBL. 194 GAS-OIL RATIO 41.0

FLOW. TUBING PRESS. 120 CASING PRESSURE 0 CALCULATED 24-HOUR RATE --- OIL—BBL. 49 GAS—MCF. No Test WATER—BBL. 194 OIL GRAVITY-API (CORR.) 41.0

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

Sold C. L. Hill

35. LIST OF ATTACHMENTS

Logs

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

SIGNED C. C. Garrett TITLE Operations Engineer DATE April 27, 1977

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			No Cores or DST's

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ismay	5396'	
Gothis Shale	5534'	
Desert Creek	5542'	

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

Attention: Ms. Dianne Nielson, Director

DIVISION OF OIL
GAS & MINING

RE: NOTICES TO SUPERIOR OIL COMPANY

Dear Ms. Nielson:

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

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

PERMITS ONLY

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

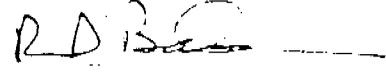
(303) 298-2577

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 TRIPLICATE
(Other instructions on reverse 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.)

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> CATHODIC PROTECTION</p> <p>2. NAME OF OPERATOR SUPERIOR OIL COMPANY, through its Agent, MOBIL OIL CORP.</p> <p>3. ADDRESS OF OPERATOR P. O. DRAWER 'G', CORTEZ, COLORADO 81321</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1927' FSL, 377' FEL</p> <p>14. PERMIT NO. 43-037-30315</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-372</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO</p> <p>7. UNIT AGREEMENT NAME MCELMO CREEK</p> <p>8. FARM OR LEASE NAME MCELMO CREEK</p> <p>9. WELL NO. M-15</p> <p>10. FIELD AND POOL, OR WILDCAT GREATER ANETH</p> <p>11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec. 6, T41S, R25E, SLM</p> <p>12. COUNTY OR PARISH SAN JUAN</p> <p>13. STATE UTAH</p>																				
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4760' GL</p>	<p>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</p> <table style="width:100%; border: none;"> <tr> <td style="width:50%; border: none;"> <p>NOTICE OF INTENTION TO:</p> <table style="width:100%; border: none;"> <tr> <td style="width:50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width:50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OF ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> </tr> <tr> <td colspan="2">(Other) <input type="checkbox"/></td> </tr> </table> </td> <td style="width:50%; border: none;"> <p>SUBSEQUENT REPORT OF:</p> <table style="width:100%; border: none;"> <tr> <td style="width:50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width:50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td colspan="2">(Other) <input type="checkbox"/></td> </tr> </table> <p>(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p> </td> </tr> </table>	<p>NOTICE OF INTENTION TO:</p> <table style="width:100%; border: none;"> <tr> <td style="width:50%;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="width:50%;">PULL OR ALTER CASING <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OF ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> </tr> <tr> <td colspan="2">(Other) <input type="checkbox"/></td> </tr> </table>	TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	SHOOT OF ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>		<p>SUBSEQUENT REPORT OF:</p> <table style="width:100%; border: none;"> <tr> <td style="width:50%;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="width:50%;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td colspan="2">(Other) <input type="checkbox"/></td> </tr> </table> <p>(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</p>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	(Other) <input type="checkbox"/>	
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(Other) <input type="checkbox"/>																					

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.)*

Construct Cathodic Protection System

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

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

The construction area has previously been cleared archaeologically by J. Lee Correll of the Museum and Research Dept., The Navajo Tribe, dated July 29, 1976 per 75-AZ-016.

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

SIGNED C. J. Benally TITLE Sr. Regulatory Coordinator DATE 9/4/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

***See Instructions on Reverse Side.**

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

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

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TOWNSHIP	RNG	S T A		FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
							WELL TYPE	API NUMBER			
MC ELMO CREEK	K-24	SAN JUAN	UT	SE	SW	18-41S-25E	INJ	OP 43-037-05406	14-20-603-263		96-004190
	K-25	SAN JUAN	UT	NE	NW	19-41S-25E	PROD	43-037-31186	14-20-603-264		96-004190
	K-26	SAN JUAN	UT	SE	NW	19-41S-25E	PROD	OP 43-037-05340	14-20-603-264		96-004190
	L-09	SAN JUAN	UT	NW	NE	31-40S-25E	INJ	OP 43-037-16359	14-20-603-372		96-004190
	L-10	SAN JUAN	UT	SW	NE	31-40S-25E	PROD	SI 43-037-30351	14-20-603-372		96-004190
	L-11	SAN JUAN	UT	NW	SE	31-40S-25E	INJ	OP 43-037-15958	14-20-603-372		96-004190
	L-12	SAN JUAN	UT	SW	SE	31-40S-25E	PROD	OP 43-037-30040	14-20-603-372		96-004190
	L-13	SAN JUAN	UT	NW	NE	06-41S-25E	INJ	OP 43-037-15959	14-20-603-372		96-004190
	L-14	SAN JUAN	UT	SW	NE	06-41S-25E	PROD	OP 43-037-30323	14-20-603-372		96-004190
	L-15	SAN JUAN	UT	NW	SE	06-41S-25E	INJ	OP 43-037-15960	14-20-603-372		96-004190
	L-16	SAN JUAN	UT	SW	SE	06-41S-25E	PROD	OP 43-037-30324	14-20-603-372		96-004190
	L-17	SAN JUAN	UT	NW	NE	07-41S-25E	INJ	OP 43-037-05613	14-20-603-263		96-004190
	L-18	SAN JUAN	UT	SW	NE	07-41S-25E	PROD	OP 43-037-30319	14-20-603-263		96-004190
	L-19	SAN JUAN	UT	NW	SE	07-41S-25E	INJ	OP 43-037-05539	14-20-603-263		96-004190
	L-20	SAN JUAN	UT	SW	SE	07-41S-25E	PROD	OP 43-037-30313	14-20-603-263		96-004190
	L-21	SAN JUAN	UT	NW	NE	18-41S-25E	INJ	OP 43-037-05471	14-20-603-263		96-004190
	L-22	SAN JUAN	UT	SW	NE	18-41S-25E	PROD	OP 43-037-30347	14-20-603-263		96-004190
	L-23	SAN JUAN	UT	NE	SE	18-41S-25E	INJ	OP 43-037-15507	14-20-603-263		96-004190
	L-24	SAN JUAN	UT	SW	SE	18-41S-25E	PROD	OP 43-037-30339	14-20-603-263		96-004190
	L-25	SAN JUAN	UT	NW	NE	19-41S-25E	INJ	OP 43-037-15508	14-20-603-264		96-004190
	L-27	SAN JUAN	UT	NW	SE	19-41S-25E	PROD	OP 43-037-15509	14-20-603-264		96-004190
	M-09	SAN JUAN	UT	NE	NE	31-40S-25E	PROD	OP 43-037-30352	14-20-603-372		96-004190
	M-10	SAN JUAN	UT	SE	NE	31-40S-25E	PROD	OP 43-037-15961	14-20-603-372		96-004190
	M-11	SAN JUAN	UT	NE	SE	31-40S-25E	PROD	OP 43-037-30354	14-20-603-372		96-004190
	M-12	SAN JUAN	UT	SE	SE	31-40S-25E	INJ	OP 43-037-15962	14-20-603-372		96-004190
	M-12B	SAN JUAN	UT	NE	SE	31-40S-25E	PROD	TA 43-037-30416	14-20-603-372		96-004190
	M-13	SAN JUAN	UT	NE	NE	06-41S-25E	PROD	OP 43-037-30320	14-20-603-372		96-004190
	M-14	SAN JUAN	UT	SE	NE	06-41S-25E	INJ	OP 43-037-15963	14-20-603-372		96-004190
	M-15	SAN JUAN	UT	NE	SE	06-41S-25E	PROD	OP 43-037-30315	14-20-603-372		96-004190
	M-16	SAN JUAN	UT	SE	SE	06-41S-25E	INJ	OP 43-037-16361	14-20-603-372		96-004190

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

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

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

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

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

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

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

Name: ** SEE ATTACHED **	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.
- lec* 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*
- wp* 7. Well file labels have been updated for each well listed above. *9-28-95*
- lec* 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)*
- lec* 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

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

FILMING

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

FILING

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

COMMENTS

950803 LLC F5/Not necessary!

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3rd Floor, Suite 350, Salt Lake City, UT 84180 1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O MOBIL OIL CORP
 M E P N A
 PO DRAWER G
 CORTEZ CO 81321

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
MCELMO CR M-15								
4303730315	05980	41S 25E 6	IS-DC					
MCELMO CR J-18								
4303730318	05980	41S 25E 7	DSCR					
MCELMO CR L-18								
4303730319	05980	41S 25E 7	IS-DC					
MCELMO CREEK M-13								
4303730320	05980	41S 25E 6	IS-DC					
MCELMO CR J-14								
4303730321	05980	41S 25E 6	DSCR					
MCELMO CREEK L-14								
4303730323	05980	41S 25E 6	IS-DC					
MCELMO CR L-16								
4303730324	05980	41S 25E 6	IS-DC					
MCELMO CR K-15								
4303730326	05980	41S 25E 6	IS-DC					
MCELMO CR K-19								
4303730327	05980	41S 25E 7	IS-DC					
MCELMO CR K-17								
4303730328	05980	41S 25E 7	DSCR					
MCELMO CR K-23								
4303730336	05980	41S 25E 18	DSCR					
MCELMO CR K-13								
4303730337	05980	41S 25E 6	DSCR					
MCELMO CR M-23								
4303730338	05980	41S 25E 18	DSCR					
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge. Date: _____

Name and Signature: _____ Telephone Number: _____

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____ Suspense _____ Other _____
(Location) Sec. Twp. Rng. (Return Date) OPER NM CHG
(API No.) (To - Initials)

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).

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLII
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: 06-01-2001	
FROM: (Old Operator):	TO: (New Operator):
MOBIL EXPLORATION & PRODUCTION	EXXONMOBIL OIL CORPORATION
Address: P O BOX DRAWER "G"	Address: U S WEST P O BOX 4358
CORTEZ, CO 81321	HOUSTON, TX 77210-4358
Phone: 1-(970)-564-5212	Phone: 1-(713)-431-1010
Account No. N7370	Account No. N1855

CA No. Unit: MCELMO CREEK

WELL(S)						
NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MCELMO CR T-14	04-41S-25E	43-037-30459	5980	INDIAN	OW	P
MCELMO CREEK S-15	04-41S-25E	43-037-30632	5980	INDIAN	OW	P
MCELMO CR U-15	04-41S-25E	43-037-30633	5980	INDIAN	OW	S
MCELMO CR T-16	04-41S-25E	43-037-30654	5980	INDIAN	OW	S
MCELMO CR O-15	05-41S-25E	43-037-30275	5980	INDIAN	OW	P
MCELMO CR P-14	05-41S-25E	43-037-30276	5980	INDIAN	OW	P
MCELMO CR N-16	05-41S-25E	43-037-30277	5980	INDIAN	OW	P
MCELMO CR O-13	05-41S-25E	43-037-30280	5980	INDIAN	OW	P
MCELMO CR P-16	05-41S-25E	43-037-30287	5980	INDIAN	OW	P
MCELMO CR Q-13	05-41S-25E	43-037-30288	5980	INDIAN	OW	P
MCELMO CR Q-15	05-41S-25E	43-037-30290	5980	INDIAN	OW	P
MCELMO CR M-15	06-41S-25E	43-037-30315	5980	INDIAN	OW	P
MCELMO CR M-13	06-41S-25E	43-037-30320	5980	INDIAN	OW	P
MCELMO CR J-14	06-41S-25E	43-037-30321	5980	INDIAN	OW	P
MCELMO CR L-14	06-41S-25E	43-037-30323	5980	INDIAN	OW	P
MCELMO CR L-16	06-41S-25E	43-037-30324	5980	INDIAN	OW	P
MCELMO CR K-15	06-41S-25E	43-037-30326	5980	INDIAN	OW	P
MCELMO CR K-13	06-41S-25E	43-037-30337	5980	INDIAN	OW	P
MCELMO CR J-15B	06-41S-25E	43-037-30414	5980	INDIAN	OW	P
MCELMO CR I-16B	06-41S-25E	43-037-30417	5980	INDIAN	OW	S

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

7. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: BIA-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: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 04/23/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/23/2002
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:

ExxonMobil Production Comp.

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.

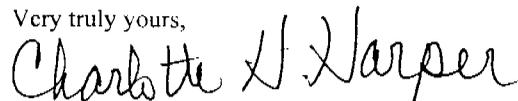
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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 29 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

XXXXXXXXXXXXXXXXXXXX

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,

CEMMI DENETSONE

Regional Realty Officer

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

MINERAL RESOURCES	
ADM	<i>98/MC</i>
NATV ADMIN COORD	
SOLID MIN TEAM	
PERFORMANCE TEAM	<i>2</i>
O & G INSPECT TEAM	
ALL TEAM LEADERS	
LAND RESOURCES	
ENVIRONMENT	
FILES	

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

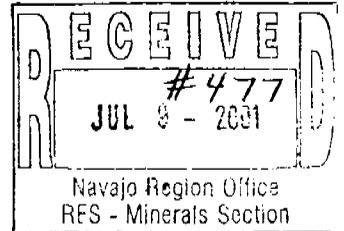
AS 7/12/001
GD
543
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

Ms. Genni Denetsonc
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. Denetsonc:

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.

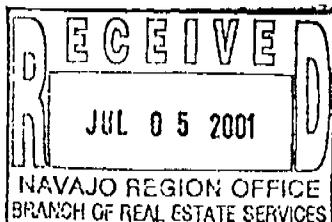
If you have any questions , please contact Alex Correa at (713) 431-1012.

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 Isasi

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>

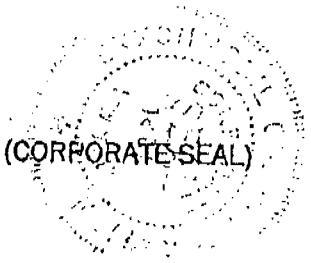
DIRECTORS

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, South Suite 1901, Houston, Texas 77027-3300
Phone: (713) 227-4600 • Facsimile: (713) 227-4750

New Bond

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

BOND NO 8027 31 97

wherein

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

FEDERAL INSURANCE COMPANY AS SURETY,

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

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

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

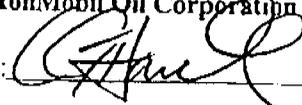
FROM: Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc.

TO : ExxonMobil Oil Corporation

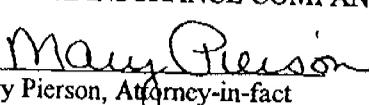
All other terms and conditions of this Bond are unchanged.

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

ExxonMobil Oil Corporation

By: 

FEDERAL INSURANCE COMPANY

By: 
Mary Pierson, Attorney-in-fact



POWER OF ATTORNEY

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

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

Know All by These Presents, That **FEDERAL INSURANCE COMPANY**, an Indiana corporation, **VIGILANT INSURANCE COMPANY**, a New York corporation, and **PACIFIC INDEMNITY COMPANY**, a Wisconsin corporation, do each hereby constitute and appoint **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, Assistant Secretary

Frank E. Robertson, Vice President

STATE OF NEW JERSEY }
County of Somerset } ss.

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 he has thereto subscribed by authority of said **Notary Public** in the presence of **Notary Public**.



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

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 and facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

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

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

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



Kenneth C. Wendel, Assistant Secretary

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

CSC

5184334741

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

CSC

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

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

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

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

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

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

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

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

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

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

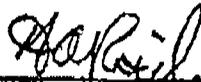
CSC
CSC

5184334741

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

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

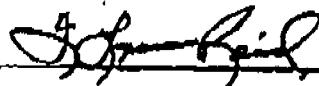
IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



F. A. Risch, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

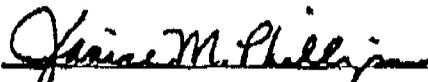
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.



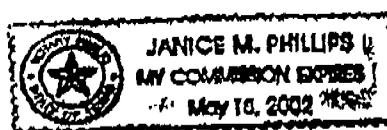
F. L. REID, Secretary

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

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



CSC
CSC

5184334741

06/01 '01 09:01 NO.411 02/02
06/01 '01 09:06 NO.153 04/04
F010601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

100 cc
**STATE OF NEW YORK
DEPARTMENT OF STATE**

Filed by: EXXONMOBIL CORPORATION

(Name)

FILED JUN 01 2001

5959 Las Colinas Blvd.

(Mailing address)

TAX \$ _____

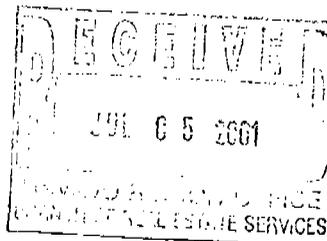
BY: *SAC*

Irving, TX 75039-2298

(City, State and Zip code)

ny Albany

Cost 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**



Special Deputy Secretary of State

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo Tribe
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		7. UNIT or CA AGREEMENT NAME: McElmo Creek Unit
2. NAME OF OPERATOR: Resolute Natural Resources Company <i>Na 700</i>		8. WELL NAME and NUMBER: See attached list
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY Denver STATE CO ZIP 80202	PHONE NUMBER: (303) 534-4600	9. API NUMBER: Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached list		10. FIELD AND POOL, OR WILDCAT: Greater Aneth
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		COUNTY: San Juan
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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.

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 6/22/06
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

(5/2000)

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

FORM 9

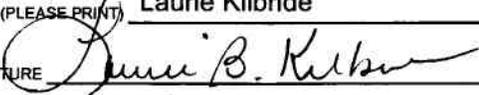
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
		7. UNIT or CA AGREEMENT NAME: UTU68930A
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: McElmo Creek	
2. NAME OF OPERATOR: ExxonMobil Oil Corporation <i>N1855</i>	9. API NUMBER: attached	
3. ADDRESS OF OPERATOR: P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4358	PHONE NUMBER: (281) 654-1936	10. FIELD AND POOL, OR WILDCAT: Aneth
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		COUNTY: San Juan STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input 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"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 producers and water source wells included in the transfer.

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

(This space for State use only) **APPROVED** 6/22/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
APR 21 2006
DIV. OF OIL, GAS & MINING

McElmo Creek Unit - Producer Well List

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
MCU	H-12	43037303600S1	Producing	14-200-6036145	36	40S	24E	SWSE	0643FSL	2123FEL
MCU	I-11	430373035800S1	Producing	14-200-6036145	36	40S	24E	NESE	1975FSL	0318FEL
MCU	F-12	430373038000S1	Producing	14-200-6036146	36	40S	24E	SWSW	0585FSL	0628FWL
MCU	G-11	430373037600S1	Producing	14-200-6036146	36	40S	24E	NESW	1957FSL	1995FWL
MCU	D-16	430373038700S1	Producing	14-200-6036147	2	41S	24E	SWSE	0622FSL	1773FSL
MCU	E-15	430373038900S1	Producing	14-200-6036147	2	41S	24E	NESE	1877FSL	0575FEL
MCU	C-15	430373038400S1	Producing	14-200-6036508	2	41S	24E	NESW	1765FSL	3206FEL
MCU	C-13	430373037900S1	TA	14-200-6036509	2	41S	24E	NENW	0881FNL	3076FEL
MCU	D-14	430373038600S1	Producing	14-200-6036510	2	41S	24E	SWNE	1884FNL	1856FEL
MCU	E-13	430373038800S1	SI	14-200-6036510	2	41S	24E	NENE	0789FNL	0296FEL
MCU	U-08	430373045400S1	Producing	14-20-6032048A	28	40S	25E	SESE	0100FSL	0650FEL
MCU	R-10	430373112100S1	SI	14-20-6032057	33	40S	25E	SWNW	2326FNL	0632FWL
MCU	R-12	430373065100S1	Producing	14-20-6032057	33	40S	25E	SWSW	0692FSL	0339FWL
MCU	R-14	430373020200S1	Producing	14-20-6032057	4	41S	25E	SWNW	2030FNL	0560FWL
MCU	R-16	430373027200S1	Producing	14-20-6032057	4	41S	25E	SWSW	0656FSL	0505FWL
MCU	S-11	430373045200S1	Producing	14-20-6032057	33	40S	25E	NESW	1928FSL	1731FWL
MCU	S-13	430373045300S1	Producing	14-20-6032057	4	41S	25E	NENW	0761FNL	1837FWL
MCU	S-15	430373063200S1	Producing	14-20-6032057	4	41S	25E	NESW	1854FSL	1622FWL
MCU	T-10	430373046000S1	Producing	14-20-6032057	33	40S	25E	SWNE	1931FNL	1793FEL
MCU	T-12	430373007400S1	Producing	14-20-6032057	33	40S	25E	NWSE	1940FSL	1960FEL
MCU	T-12A	430373040100S1	Producing	14-20-6032057	33	40S	25E	SWSE	0590FSL	2007FEL
MCU	T-14	430373045900S1	Producing	14-20-6032057	4	41S	25E	SWNE	1922FNL	1903FEL
MCU	T-16	430373065400S1	Producing	14-20-6032057	4	41S	25E	SWSE	0630FSL	2030FEL
MCU	U-09	430373112200S1	Producing	14-20-6032057	33	40S	25E	NENE	1019FNL	0526FEL
MCU	U-13	430373045600S1	Producing	14-20-6032057	4	41S	25E	NENE	0700FNL	0700FEL
MCU	U-15	430373063300S1	Producing	14-20-6032057	4	41S	25E	NESE	1798FSL	0706FEL
MCU	V-14	430373065300S1	SI	14-20-6032057	3	41S	25E	SWNW	2091FNL	0322FWL
MCU	J-18	430373031800S1	Producing	14-20-603263	7	41S	25E	SWNW	1823FNL	0663FWL
MCU	J-20	430373030600S1	Producing	14-20-603263	7	41S	25E	SWSW	0819FSL	0577FWL
MCU	J-22	430373034100S1	Producing	14-20-603263	18	41S	25E	SWNW	1977FNL	0515FWL
MCU	J-23	430371550000S1	Producing	14-20-603263	18	41S	25E	NWSW	1980FSL	0575FWL
MCU	J-24	430373120500S1	Producing	14-20-603263	18	41S	25E	SWSW	0675FSL	0575FWL
MCU	K-17	430373032800S1	Producing	14-20-603263	7	41S	25E	NENW	0763FNL	1898FWL
MCU	K-19	430373032700S1	Producing	14-20-603263	7	41S	25E	NESW	1999FSL	1807FWL
MCU	K-21	430373030200S1	Producing	14-20-603263	18	41S	25E	NENW	0738FNL	1735FWL
MCU	K-23	430373033600S1	Producing	14-20-603263	18	41S	25E	NESW	1833FSL	1823FWL
MCU	L-18	430373031900S1	Producing	14-20-603263	7	41S	25E	SWNE	1950FNL	1959FEL
MCU	L-20	430373031300S1	Producing	14-20-603263	7	41S	25E	SWSE	0312FSL	1560FEL
MCU	L-22	430373034700S1	Producing	14-20-603263	18	41S	25E	NWSE	2844FSL	2140FEL
MCU	L-24	430373033900S1	SI	14-20-603263	18	41S	25E	SWSE	1980FNL	1980FEL
MCU	M-17	430373031400S1	Producing	14-20-603263	7	41S	25E	NENE	0454FNL	1031FEL
MCU	M-19	430373030700S1	Producing	14-20-603263	7	41S	25E	NESE	2012FSL	0772FEL
MCU	M-21	430373030300S1	Producing	14-20-603263	18	41S	25E	NENE	0919FNL	0463FEL
MCU	M-22	430371551200S1	Producing	14-20-603263	18	41S	25E	SENE	1720FNL	0500FEL
MCU	M-23	430373033800S1	Producing	14-20-603263	18	41S	25E	NESE	1890FSL	4214FWL
MCU	M-24	430371551300S1	Producing	14-20-603263	18	41S	25E	SESE	0500FSL	0820FEL
MCU	N-18	430373028600S1	Producing	14-20-603263	8	41S	25E	SWNW	1779FNL	0573FWL
MCU	N-20	430373026900S1	Producing	14-20-603263	8	41S	25E	SWSW	0620FSL	0634FWL
MCU	N-22	430373066100S1	SI	14-20-603263	17	41S	25E	SWNW	1763FNL	0730FWL
MCU	O-17	430373028900S1	Producing	14-20-603263	8	41S	25E	NENW	0627FNL	1855FWL
MCU	O-19	430373027000S1	Producing	14-20-603263	8	41S	25E	NESW	1932FSL	2020FWL
MCU	O-20	430371551800S1	Producing	14-20-603263	8	41S	25E	SESW	0660FSL	1980FWL
MCU	O-21	430373066200S1	Producing	14-20-603263	17	41S	25E	NENW	0796FNL	1868FWL
MCU	O-22A	430371597000S1	Producing	14-20-603263	17	41S	25E	SESW	1840FNL	1928FWL
MCU	O-23	430373112300S1	Producing	14-20-603263	17	41S	25E	NESW	2276FSL	1966FWL

McElmo Creek Unit - Producer Well List

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
MCU	P-18	430373026700S1	Producing	14-20-603263	8	41S	25E	SWNE	1816FNL	1855FEL
MCU	P-22	430373050600S1	Producing	14-20-603263	17	41S	25E	SWNE	2035FNL	2135FEL
MCU	Q-17	430373027100S1	SI	14-20-603263	8	41S	25E	NENE	0714FNL	0286FEL
MCU	Q-18	430371552100S1	SI	14-20-603263	8	41S	25E	SENE	1980FNL	0660FEL
MCU	Q-19	430373065200S1	SI	14-20-603263	8	41S	25E	NESE	1957FSL	0899FEL
MCU	Q-20	430371552200S1	SI	14-20-603263	8	41S	25E	SESE	0650FSL	0740FEL
MCU	Q-21	430373046300S1	Producing	14-20-603263	17	41S	25E	NENE	0730FNL	0780FEL
MCU	Q-23	430373112400S1	SI	14-20-603263	17	41S	25E	NESE	2501FSL	0581FEL
MCU	J-25	430371550100S1	SI	14-20-603264	19	41S	25E	NWNW	0750FNL	0695FWL
MCU	K-25	430373118600S1	Producing	14-20-603264	19	41S	25E	NENW	0440FNL	1780FWL
MCU	R-18	430373077800S1	Producing	14-20-603359	9	41S	25E	SWNW	1808FNL	0513FWL
MCU	S-17	430373077900S1	Producing	14-20-603359	9	41S	25E	NENW	700FNL	1899FWL
MCU	S-18	430371597800S1	Producing	14-20-603359	9	41S	25E	SENE	1943FNL	1910FWL
MCU	S-19	430373078000S1	Producing	14-20-603359	9	41S	25E	NESW	3391FNL	2340FWL
MCU	S-22	430373159800S1	Producing	14-20-603359	16	41S	25E	SENE	1980FNL	1980FWL
MCU	T-18	430373078100S1	Producing	14-20-603359	9	41S	25E	SWNE	1774FNL	3499FWL
MCU	U-17	430373078200S1	Producing	14-20-603359	9	41S	25E	NENE	0625FNL	4399FWL
MCU	U-18	430371598200S1	Producing	14-20-603359	9	41S	25E	SENE	2048FNL	0805FEL
MCU	F-22	430371594700S1	Producing	14-20-603370	13	41S	24E	SWNW	1800FNL	0664FWL
MCU	G-22	430373120400S1	TA	14-20-603370	13	41S	24E	SENE	1910FNL	2051FWL
MCU	G-24	430373100800S1	Producing	14-20-603370	13	41S	24E	SESW	0458FSL	2540FWL
MCU	H-21	430373119200S1	Producing	14-20-603370	13	41S	24E	NWNE	0715FNL	2161FEL
MCU	H-22	430371595000S1	Producing	14-20-603370	13	41S	24E	SWNE	1980FNL	1980FEL
MCU	H-23	430373119300S1	Producing	14-20-603370	13	41S	24E	NWSE	2178FSL	1777FEL
MCU	H-24	430371595100S1	TA	14-20-603370	13	41S	24E	SWSE	1820FSL	0500FEL
MCU	H-26	430371595200S1	Producing	14-20-603370	24	41S	24E	SWNE	2053FNL	2077FEL
MCU	I-21	430371595300S1	SI	14-20-603370	13	41S	24E	NENE	0810FNL	0660FEL
MCU	I-22	430373118700S1	Producing	14-20-603370	13	41S	24E	SENE	1975FNL	0700FEL
MCU	I-24	430373018000S1	Producing	14-20-603370	13	41S	24E	SESE	0660FSL	0250FEL
MCU	I-16B	430373041700S1	Producing	14-20-603372	6	41S	25E	NWSW	1442FSL	0040FWL
MCU	J-12	430373034200S1	Producing	14-20-603372	31	40S	25E	SWSW	0631FSL	0495FWL
MCU	J-14	430373032100S1	Producing	14-20-603372	6	41S	25E	SWNW	1822FNL	0543FWL
MCU	J-15B	430373041400S1	Producing	14-20-603372	6	41S	25E	NWSW	2679FNL	1299FWL
MCU	J-16A	430373101100S1	Producing	14-20-603372	6	41S	25E	SWSW	0601FSL	0524FWL
MCU	K-11	430373035900S1	Producing	14-20-603372	31	40S	25E	NESW	1803FSL	1887FWL
MCU	K-13	430373033700S1	Producing	14-20-603372	6	41S	25E	NENW	0935FNL	2132FWL
MCU	K-15	430373032600S1	Producing	14-20-603372	6	41S	25E	NESW	1920FSL	1950FWL
MCU	L-12	430373004000S1	Producing	14-20-603372	31	40S	25E	SWSE	0100FSL	1700FEL
MCU	L-14	430373032300S1	SI	14-20-603372	6	41S	25E	SWNE	1955FNL	1821FEL
MCU	L-16	430373032400S1	SI	14-20-603372	6	41S	25E	SESW	0642FSL	1788FEL
MCU	M-11	430373035400S1	Producing	14-20-603372	31	40S	25E	NESE	2028FSL	0535FEL
MCU	M-12B	430373041600S1	Producing	14-20-603372	31	40S	25E	SESE	1230FSL	0057FEL
MCU	M-13	430373032000S1	Producing	14-20-603372	6	41S	25E	NENE	0897FNL	0402FEL
MCU	M-15	430373031500S1	Producing	14-20-603372	6	41S	25E	NESE	1927FSL	0377FEL
MCU	N-10	430373030400S1	Producing	14-20-603372	32	40S	25E	SWNW	3280FSL	0360FWL
MCU	N-12	430373029100S1	SI	14-20-603372	32	40S	25E	SWSW	1266FSL	1038FWL
MCU	N-14	430373028100S1	SI	14-20-603372	5	41S	25E	SWNW	2053FNL	0767FWL
MCU	N-16	430373027700S1	SI	14-20-603372	5	41S	25E	SWSW	0665FSL	0788FWL
MCU	O-09	430373035600S1	Producing	14-20-603372	32	40S	25E	NENW	0604FNL	1980FWL
MCU	O-11	430373028200S1	Producing	14-20-603372	32	40S	25E	NESW	2094FSL	1884FWL
MCU	O-13	430373028000S1	Producing	14-20-603372	5	41S	25E	NENW	0562FNL	2200FWL
MCU	O-15	430373027500S1	SI	14-20-603372	5	41S	25E	NESW	2017FSL	2054FWL
MCU	P-10	430373028401S1	Producing	14-20-603372	32	40S	25E	SWNE	3328FSL	1890FEL
MCU	P-14	430373027600S1	TA	14-20-603372	5	41S	25E	SWNE	1947FNL	1852FEL
MCU	P-16	430373028700S1	Producing	14-20-603372	5	41S	25E	SWSE	0680FSL	1865FEL
MCU	Q-09	430373101300S1	Producing	14-20-603372	32	40S	25E	NENE	0753FNL	0574FEL
MCU	Q-11	430373028300S1	Producing	14-20-603372	32	40S	25E	NESE	2027FSL	0868FEL
MCU	Q-13	430373028800S1	Producing	14-20-603372	5	41S	25E	NENE	0699FNL	0760FEL
MCU	Q-15	430373029000S1	Producing	14-20-603372	5	41S	25E	NESE	2027FSL	0591FEL

McElmo Creek Unit - Producer Well List

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
MCU	F-14	430373025500S1	Producing	14-20-6034032	1	41S	24E	SWNW	2041FNL	0741FWL
MCU	F-16	430373038100S1	Producing	14-20-6034032	1	41S	24E	SWSW	0813FSL	0339FWL
MCU	G-13	430373036300S1	Producing	14-20-6034032	1	41S	24E	NENW	0656FNL	1999FWL
MCU	H-14	430373036200S1	Producing	14-20-6034032	1	41S	24E	SWNE	1937FNL	2071FEL
MCU	I-13	430373025700S1	Producing	14-20-6034032	1	41S	24E	NENE	0624FNL	0624FEL
MCU	E-17	430373039000S1	SI	14-20-6034039	11	41S	24E	NENE	0713FNL	0661FEL
MCU	G-17	430373037800S1	Producing	14-20-6034039	12	41S	24E	NENW	0649FNL	1904FWL
MCU	H-16	430373036600S1	Producing	14-20-6034039	1	41S	24E	SWSE	0923FSL	1974FEL
MCU	H-17B	430373041500S1	SI	14-20-6034039	1	41S	24E	SESE	0105FSL	1250FEL
MCU	I-15	430373036100S1	Producing	14-20-6034039	1	41S	24E	NESE	1895FSL	0601FEL
MCU	I-17	430373036700S1	Producing	14-20-6034039	12	41S	24E	NENE	0646FNL	0493FEL
MCU	G-18B	430373039900S1	Producing	14-20-6034495	12	41S	24E	NWNE	1332FNL	2605FEL
MCU	H-18	430373036400S1	SI	14-20-6034495	12	41S	24E	SWNE	1922FNL	1942FEL
MCU	I-19	430373036500S1	Producing	14-20-6034495	12	41S	24E	NESE	2060FSL	0473FEL
MCU	D-18	430373025600S1	Producing	14-20-6035447	11	41S	24E	SWNE	2380FNL	2000FEL
MCU	E-18	430371570600S1	Producing	14-20-6035447	11	41S	24E	SENE	1600FNL	0660FEL
MCU	F-18	430372018400S1	Producing	14-20-6035447	12	41S	24E	SWNW	1820FSL	2140FEL
MCU	C-17	430373038500S1	TA	14-20-6035448	11	41S	24E	NENW	0182FNL	3144FEL
MCU	C-19	430371570300S1	Producing	14-20-6035448	11	41S	24E	NESW	1980FSL	2060FWL
MCU	F-20	430371570700S1	TA	14-20-6035450	12	41S	24E	SWSW	0510FSL	0510FWL
MCU	G-20	430373118800S1	SI	14-20-6035450	12	41S	24E	SESW	0250FSL	1820FWL
MCU	H-19	430372030400S1	Producing	14-20-6035451	12	41S	24E	NWSE	2035FSL	1900FEL
MCU	H-20	430371570800S1	SI	14-20-6035451	12	41S	24E	SWSE	0300FSL	2200FEL
MCU	N-08	430373101200S1	Producing	I-149-IND8839	29	40S	25E	SWSW	0700FSL	0699FWL
MCU	O-08	430371614600S1	SI	I-149-IND8839	29	40S	25E	SESW	0750FSL	2030FWL
MCU	P-08	430373035500S1	SI	I-149-IND8839	29	40S	25E	SWSE	0765FSL	3170FWL
MCU	P-12	430373027800S1	SI	NOG-99041326	32	40S	25E	SWSE	758FSL	2237FEL

Water Source Wells (Feb 2006)

MCU	2	4303712715	Active
MCU	3	4303712716	Active
MCU	4	4303712717	Active
MCU	5	4303712718	Active
MCU	6	4303712719	Active
MCU	7	4303712720	Active
MCU	8	4303712721	Active
MCU	9	4303712722	Active
MCU	10	4303712723	Active
MCU	11	4303712724	Active
MCU	12		Inactive
MCU	13	4303712726	Active
MCU	14	4303712727	Active
MCU	15	4303712728	Active
MCU	16	4303712729	Active
MCU	17	4303712730	Active
MCU	18	4303767001	Active
MCU	19	4303712732	Active
MCU	20	4303712733	Active
MCU	21	4303712734	Active
MCU	PIT1	4303700297	Active

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER MCELMO CR M-15				
2. TYPE OF WORK DRILL NEW WELL <input type="radio"/> REENTER P&A WELL <input type="radio"/> DEEPEN WELL <input checked="" type="radio"/>						3. FIELD OR WILDCAT GREATER ANETH				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME MCELMO CREEK				
6. NAME OF OPERATOR RESOLUTE NATURAL RESOURCES						7. OPERATOR PHONE 303 534-4600				
8. ADDRESS OF OPERATOR 1675 Boradway Ste 1950, Denver, CO, 80202						9. OPERATOR E-MAIL pflynn@resoluteenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420603372			11. MINERAL OWNERSHIP FEDERAL <input type="radio"/> INDIAN <input checked="" type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>			12. SURFACE OWNERSHIP FEDERAL <input type="radio"/> INDIAN <input checked="" type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Shiprock			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="radio"/> (Submit Commingling Application) NO <input checked="" type="radio"/>			19. SLANT VERTICAL <input checked="" type="radio"/> DIRECTIONAL <input type="radio"/> HORIZONTAL <input type="radio"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1934 FSL 363 FEL		NESE	6	41.0 S	25.0 E	S		
Top of Uppermost Producing Zone		1934 FSL 363 FEL		NESE	6	41.0 S	25.0 E	S		
At Total Depth		1934 FSL 363 FEL		NESE	6	41.0 S	25.0 E	S		
21. COUNTY SAN JUAN			22. DISTANCE TO NEAREST LEASE LINE (Feet) 363			23. NUMBER OF ACRES IN DRILLING UNIT 40				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 660			26. PROPOSED DEPTH MD: 5740 TVD: 5740				
27. ELEVATION - GROUND LEVEL 4757			28. BOND NUMBER B001263			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE lease produced water				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.675	0 - 1510	24.0	K-55 Casing/Tubing	0.0	Class B	1000	2.25	0.0
Prod	7.875	5.5	0 - 5630	14.0	K-55 Casing/Tubing	0.0	Class B	250	1.88	0.0
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Sherry Glass			TITLE Sr Regulatory Technician			PHONE 303 573-4886				
SIGNATURE			DATE 08/31/2012			EMAIL sglass@resoluteenergy.com				
API NUMBER ASSIGNED 43037303150000			APPROVAL			 Permit Manager				

Recompletion/Deepen
McElmo Creek Unit M-15
1934' FSL & 363' FEL
Sec 6, T41S, R25E
San Juan County, Utah
API 43-037-30315
PRISM 0000309

Recompletion Procedure (Sundry – Notice of Intent)

1. MIRU.
2. Pull & LD production equipment.
3. Clean out to 5629' PBTD.
4. Run casing inspection log & CBL from PBTD up to 2000'.
5. Pressure test production casing to 500 psig by setting a Retrievable Bridge Plug at ~5500', pending csg inspection log.
6. Drill 4-3/4" open hole (vertical) from 5629' to 5740' MD/TVD.
Well will TD ~7' into Chimney Rock Shale
7. Stimulate new open hole section plus existing Lower Ismay & DC-I intervals.
8. Install production tubing with appropriate artificial lift.
9. RDMOL.
10. Return well to production.

Job Scope – Deepen the well & complete in Desert Creek (Zone IIC) via open hole, leaving existing Lower Ismay & DC-I intervals open.

**ADDITIONAL INFORMATION TO SUPPORT
Sundry – Notice of Intent
Mc Elmo Creek Unit M-15
Deepening to Desert Creek – IIC Horizon**

1. Formation Tops

Existing Formation Tops (MD):

Upper Ismay:	5396
Lower Ismay:	5473
Gothic Shale:	5535
Desert Creek IA:	5545
Desert Creek IB:	5572
Desert Creek IC:	5586
Desert Creek IIA:	5606
Desert Creek IIB:	5620

Projected Formation Tops (MD):

Desert Creek IIC:	5642
Desert Creek III:	5710
Chimney Rock Shale:	5733
Total Depth:	5740 (in Chimney Rock)

2. Deepening will be via 4-3/4 inch diameter vertical open hole from 5629 feet to 5740 feet.
3. Wellbore Diagrams –
 - a. Existing Wellbore Diagram – Attachment No. 1
 - b. Proposed Wellbore Diagram – Attachment No. 2
4. BOP Diagram and Equipment Description – Attachment No. 3
5. Drilling Mud Specifications
 - a. Proposed to drill out / deepen with N2 foamed fresh water fluid, in an underbalanced situation, or if conditions warrant,
 - b. CaCl₂ brine water will be used, and if this will not control formation pressure during the drilling operations,

- c. Drilling mud with a salt polymer will be used to control formation pressure during the drilling operations.

McELMO CREEK UNIT # M-15
GREATER ANETH FIELD
 1934' FSL & 363' FEL
 SEC 6-T41S-R25E
 SAN JUAN COUNTY, UTAH
 API 43-037-30315
 PRISM 0000309

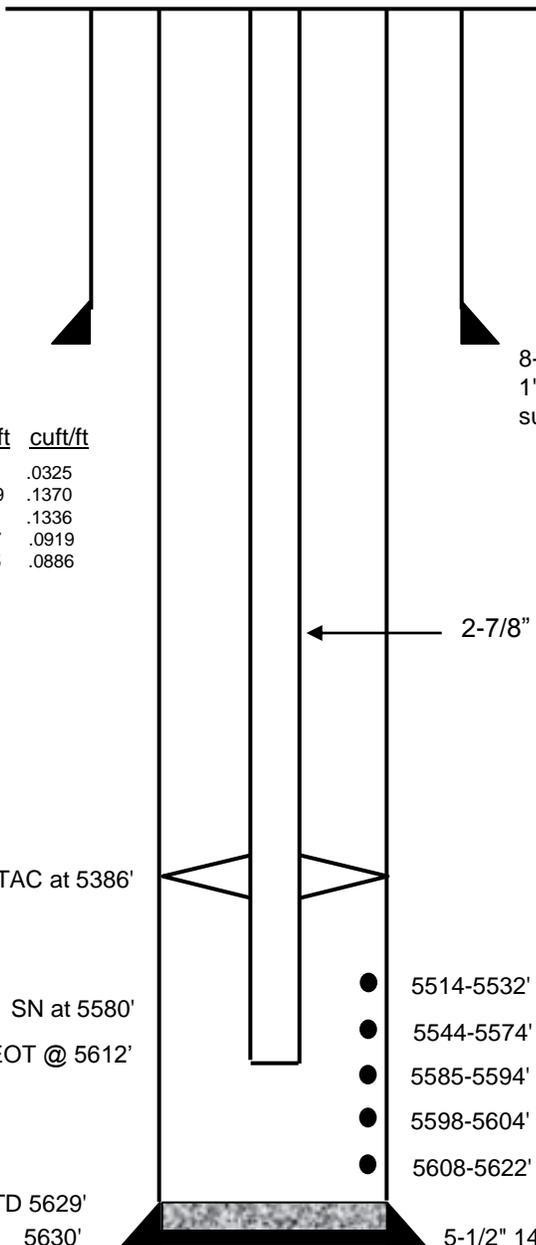
PRODUCER

**Attachment 1:
 Existing Wellbore**

Current as of: 8/20/2012 – J. W. Styler

KB 4769'

GL 4757'



8-5/8" 24# K-55 set at 1510' w/ 1000 sx. Circ to surface. Ran 1" pipe down annulus & tag at 105'. Pumped 100 sx cmt to surface.

Capacities:

	bbf/ft	gal/ft	cuft/ft
2-7/8" 6.5#	.00579	.2431	.0325
5-1/2" 14#	.0244	1.0249	.1370
5-1/2" 15.5#	.0238	.9997	.1336
2-7/8x5.5 14#	.0164	.6877	.0919
2-7/8x5.5 15.5#	.0158	.6625	.0886

2-7/8" 6.5# J-55 Yellow Band Tubing 9-16-2010

TAC at 5386'

SN at 5580'

EOT @ 5612'

- 5514-5532' w/1 spf dtd 04/22/77 L. Ismay
- 5544-5574' w/2 spf dtd 04/22/77 DC-I
- 5585-5594' w/2 spf dtd 04/22/77 DC-I
- 5598-5604' w/2 spf dtd 04/22/77 DC-I
- 5608-5622' w/2 spf dtd 04/22/77 DC-IIA

ORIGINAL PBSD 5629'
 TD 5630'

5-1/2" 14# & 15.5# K-55 set at 5630' w/ 250 sx. Calc TOC at 3930'.

McELMO CREEK UNIT # M-15
 GREATER ANETH FIELD
 1934' FSL & 363' FEL
 SEC 6-T41S-R25E
 SAN JUAN COUNTY, UTAH
 API 43-037-30315
 PRISM 0000309

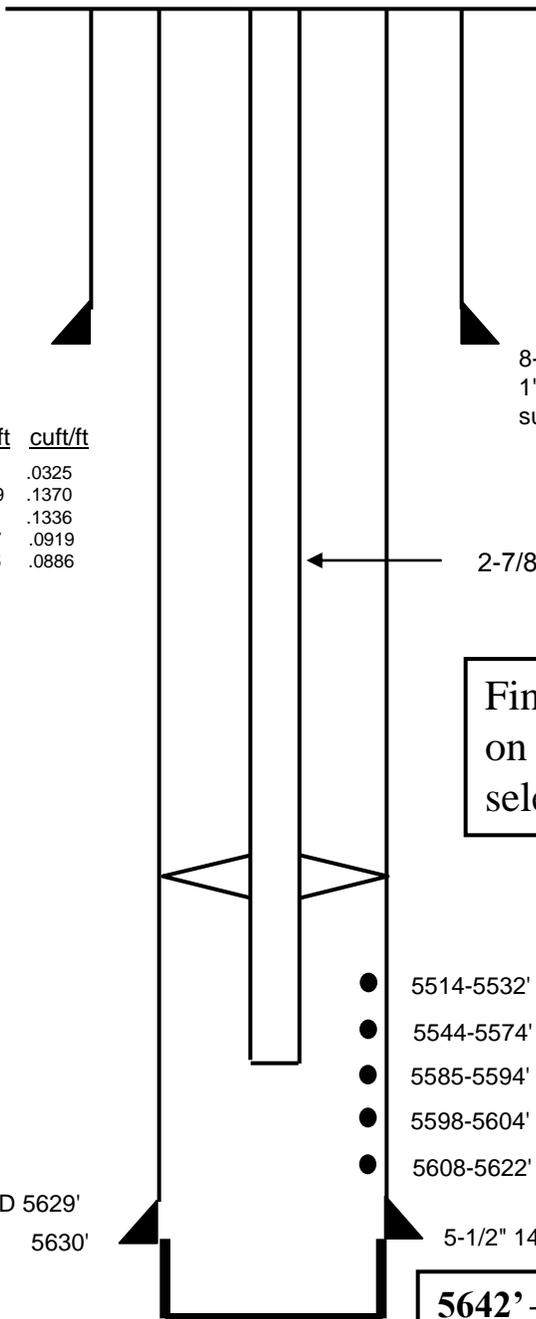
PRODUCER

**Attachment 2:
 Proposed Wellbore,
 Deepened to DC-IIC**

Current as of: 8/20/2012 – J. W. Styler

KB 4769'

GL 4757'



8-5/8" 24# K-55 set at 1510' w/ 1000 sx. Circ to surface. Ran 1" pipe down annulus & tag at 105'. Pumped 100 sx cmt to surface.

Capacities:

	bbbl/ft	gal/ft	cuft/ft
2-7/8" 6.5#	.00579	.2431	.0325
5-1/2" 14#	.0244	1.0249	.1370
5-1/2" 15.5#	.0238	.9997	.1336
2-7/8x5.5 14#	.0164	.6877	.0919
2-7/8x5.5 15.5#	.0158	.6625	.0886

Final tubing details will depend on the artificial lift method selected for the well

- 5514-5532' w/1 spf dtd 04/22/77 L. Ismay
- 5544-5574' w/2 spf dtd 04/22/77 DC-I
- 5585-5594' w/2 spf dtd 04/22/77 DC-I
- 5598-5604' w/2 spf dtd 04/22/77 DC-I
- 5608-5622' w/2 spf dtd 04/22/77 DC-IIA

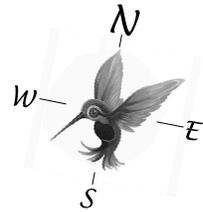
ORIGINAL PBDT 5629'
 ORIGINAL TD 5630'

5-1/2" 14# & 15.5# K-55 set at 5630' w/ 250 sx. Calc TOC at 3930'.

**5642' – 5710' DC-IIC 4-3/4"
 Open Hole Completion**

New TD 5740'

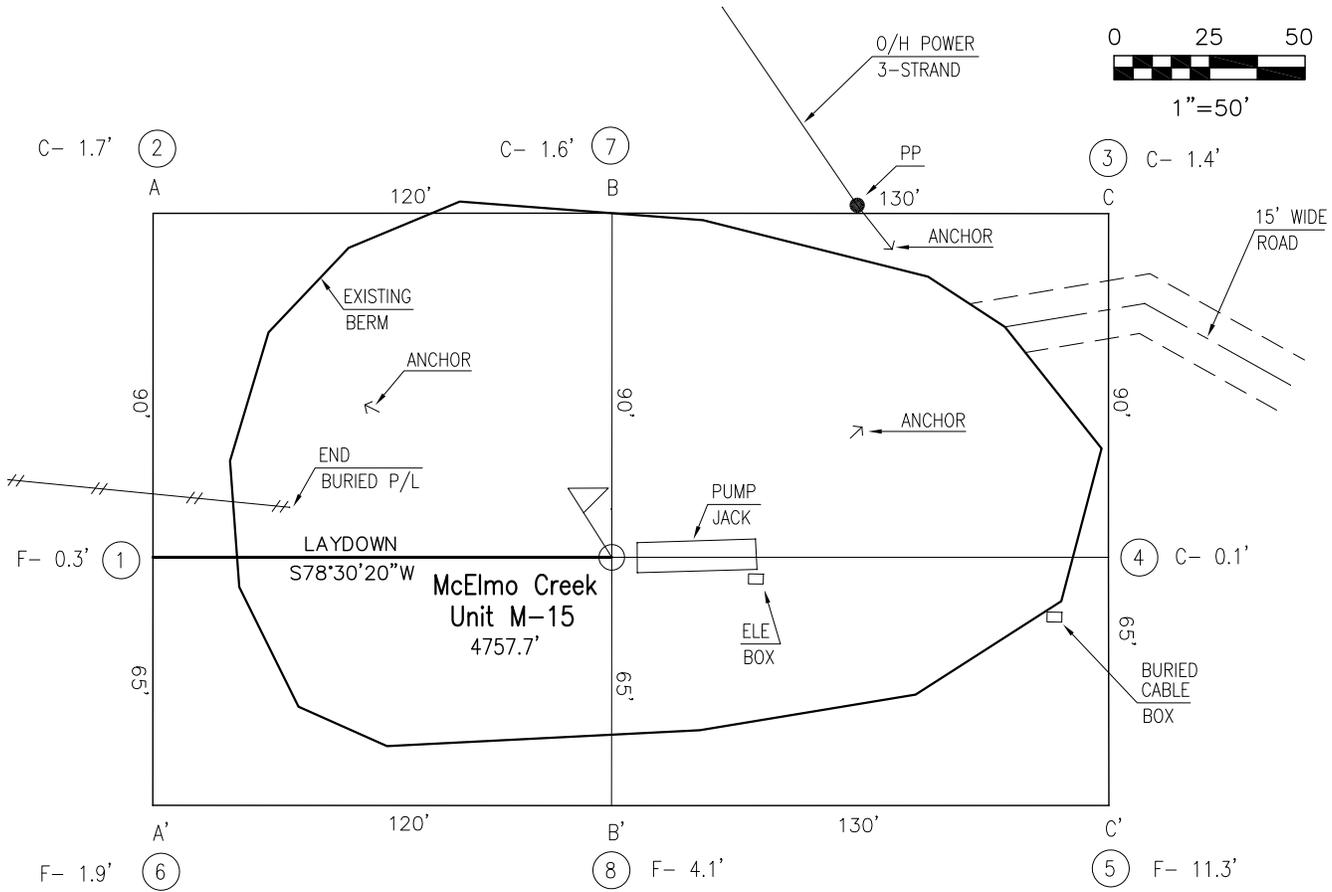
Well Pad - McElmo Creek Unit M-15



BASIS OF BEARINGS
GPS TRUE NORTH



1"=50'



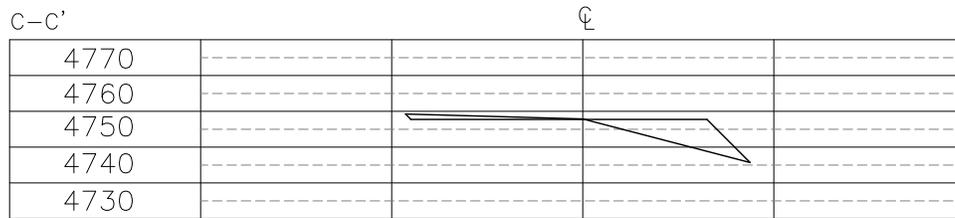
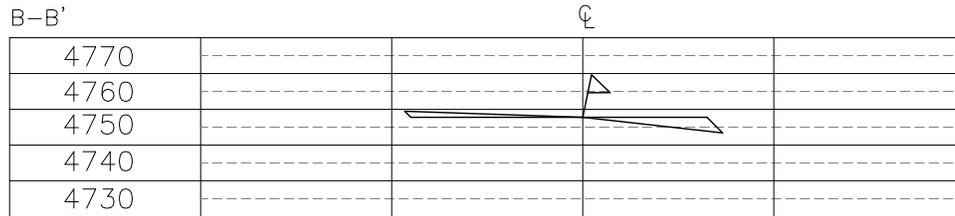
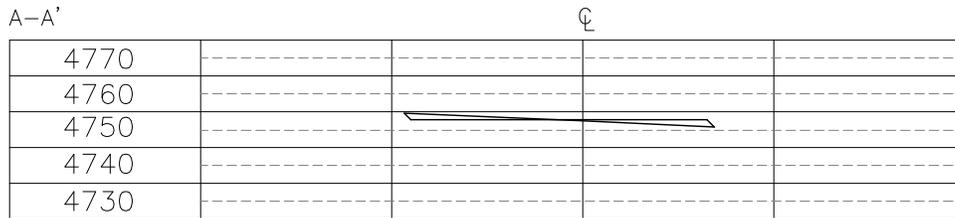
It shall be the responsibility of the Contractor to verify the location, depth and condition of all existing utilities and conduct all necessary field investigations prior to any excavation.
OneCall 800-662-5348

EXHIBIT B

FOOTAGE: 1934' FSL 363' FEL		RESOLUTE NATURAL RESOURCES		
SEC 6, T41S, R25E, SLM, SAN JUAN COUNTY, UT				
LAT: N 37.24935° LON: W 109.20757° (NAD83)		SURVEYED: 08/28/12		
ELEVATION: 4757.7' at ground level (NAVD88)		DRAWN BY: GEL	DATE: 08/29/12	
NOTE: Re-entry of existing well.		REVISION:		

HUMMINGBIRD SURVEYING, LLC --- P.O. Box 416 Montezuma Creek, UT 84534 --- 970-570-5108

Cross Section - McElmo Creek Unit M-15



HORIZONTAL 1"=100'
VERTICAL 1"=100'

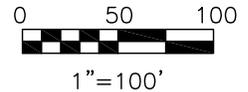
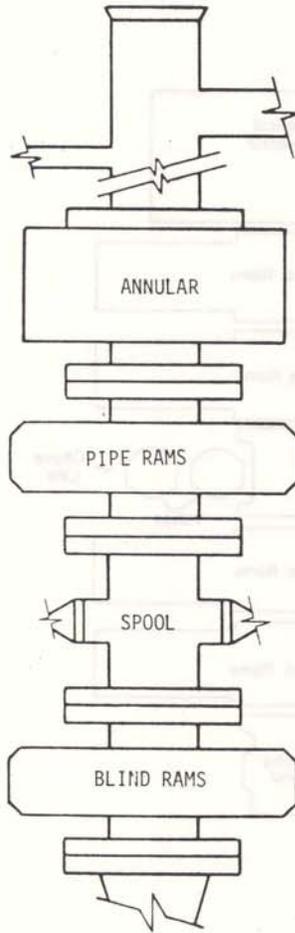


EXHIBIT C

FOOTAGE: 1934' FSL 363' FEL	RESOLUTE NATURAL RESOURCES		
SEC 6, T41S, R25E, SLM, SAN JUAN COUNTY, UT			
LAT: N 37.24935° LON: W 109.20757° (NAD83)	SURVEYED: 08/28/12		
ELEVATION: 4757.7' at ground level (NAVD88)	DRAWN BY: GEL	DATE: 08/29/12	FILE:
NOTE: Re-entry of existing well.	REVISION:		

HUMMINGBIRD SURVEYING, LLC --- P.P. Box 416 Montezuma Creek, UT 84534 --- 970-570-5108

2-7/8 inch pipe rams,
7-1/16 inch x 5000
psig with stainless
steel trim for sour
service operations



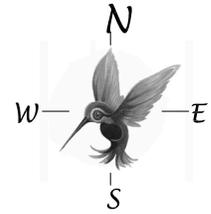
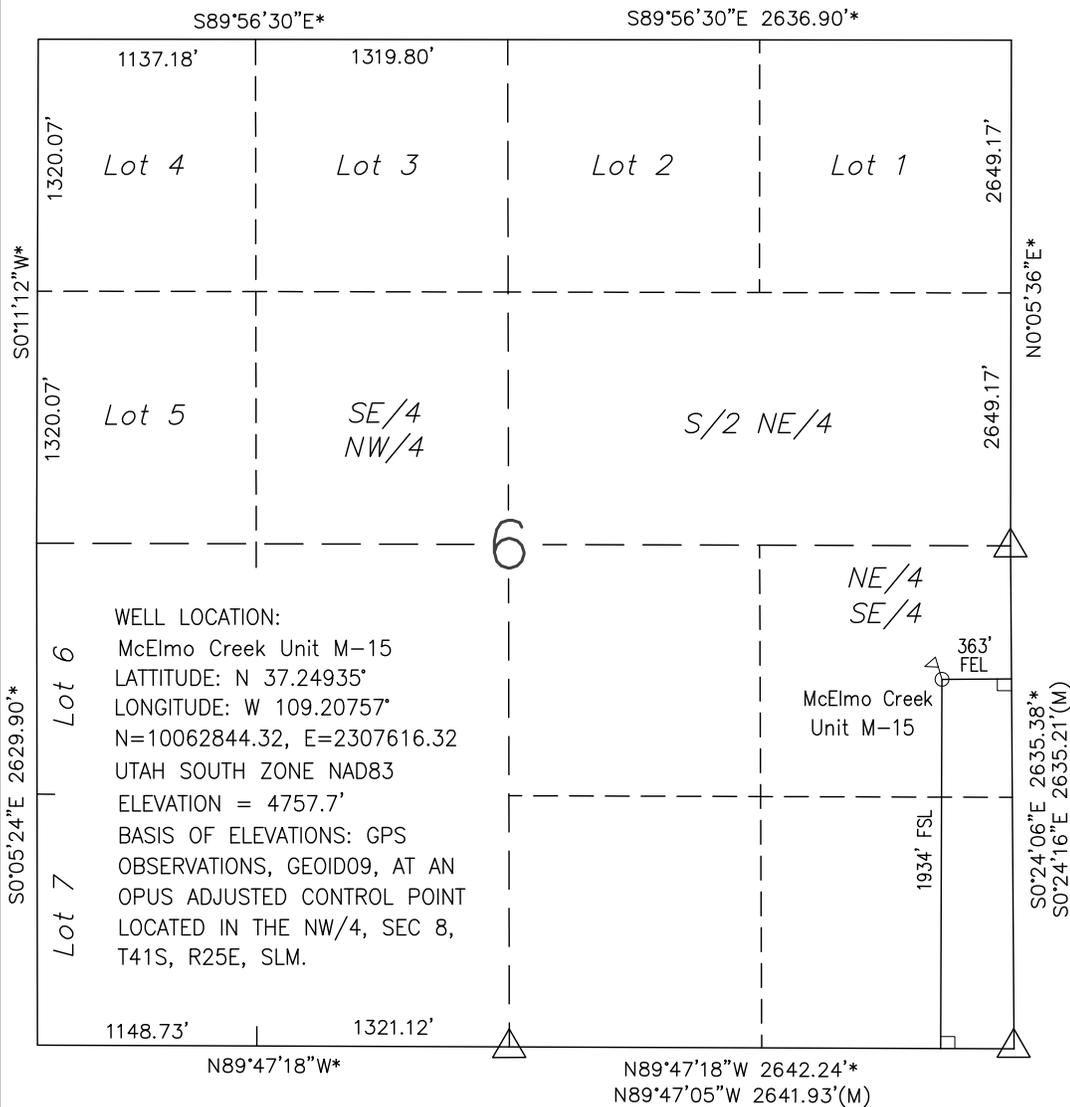
7-1/16 inch x 5000 psig
with stainless steel trim
for sour service operations

7-1/16 inch x 5000 psig
with stainless steel trim
for sour service operations

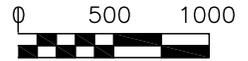
TYPICAL WORKOVER BOP STACK

Figure 30

Well Location - McElmo Creek Unit M-15



BASIS OF BEARINGS
GPS TRUE NORTH



1" = 1000'
GROUND

LEGEND:

- FND USBLM 3-1/4" BC DATED 2004
- 90° TIE
- (M) MEASURED
- * RECORD
- WELL LOCATION

WELL LOCATION:
 McElmo Creek Unit M-15
 LATITUDE: N 37.24935°
 LONGITUDE: W 109.20757°
 N=10062844.32, E=2307616.32
 UTAH SOUTH ZONE NAD83
 ELEVATION = 4757.7'
 BASIS OF ELEVATIONS: GPS
 OBSERVATIONS, GEOID09, AT AN
 OPUS ADJUSTED CONTROL POINT
 LOCATED IN THE NW/4, SEC 8,
 T41S, R25E, SLM.

I, Gerald G. Huddleston, do hereby certify that I am a registered Utah land surveyor holding certificate number 161297 as prescribed under the laws of the State of Utah, and I further certify that under authority of the owner I have surveyed the well location as shown hereon and that the same is correct and true to the best of my knowledge and belief.

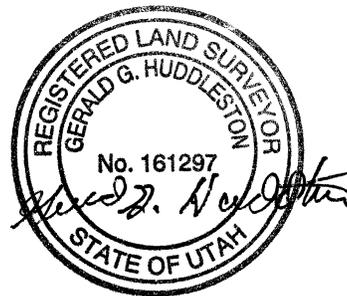


EXHIBIT A

FOOTAGE: 1934' FSL 363' FEL	RESOLUTE NATURAL RESOURCES		
SEC 6, T41S, R25E, SLM, SAN JUAN COUNTY, UT			
LAT: N 37.24935° LON: W 109.20757° (NAD83)	SURVEYED: 08/28/12		
ELEVATION: 4757.7' at ground level (NAVD88)	DRAWN BY: GEL	DATE: 08/29/12	
NOTE: Re-entry of existing well.	REVISION:		

HUMMINGBIRD SURVEYING, LLC --- P.O. Box 416 Montezuma Creek, UT 84534 --- 970-570-5108

109.23333° W

109.21667° W

109.20000° W

WGS84 109.18333° W

RESOLUTE NATURAL RESOURCES

McELMO CREEK UNIT# M-15

1934' FSL, 363' FEL SEC. 6, T41S, R25E, S.L.M.

SAN JUAN COUNTY, UTAH

McElmo Creek Unit

M-15

37.25000° N

37.25000° N

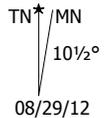
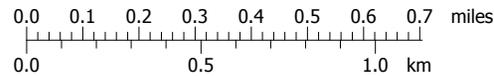
Map created with TOPO! ©2010 National Geographic; ©2007 Tele Atlas, Rel. 1/2007

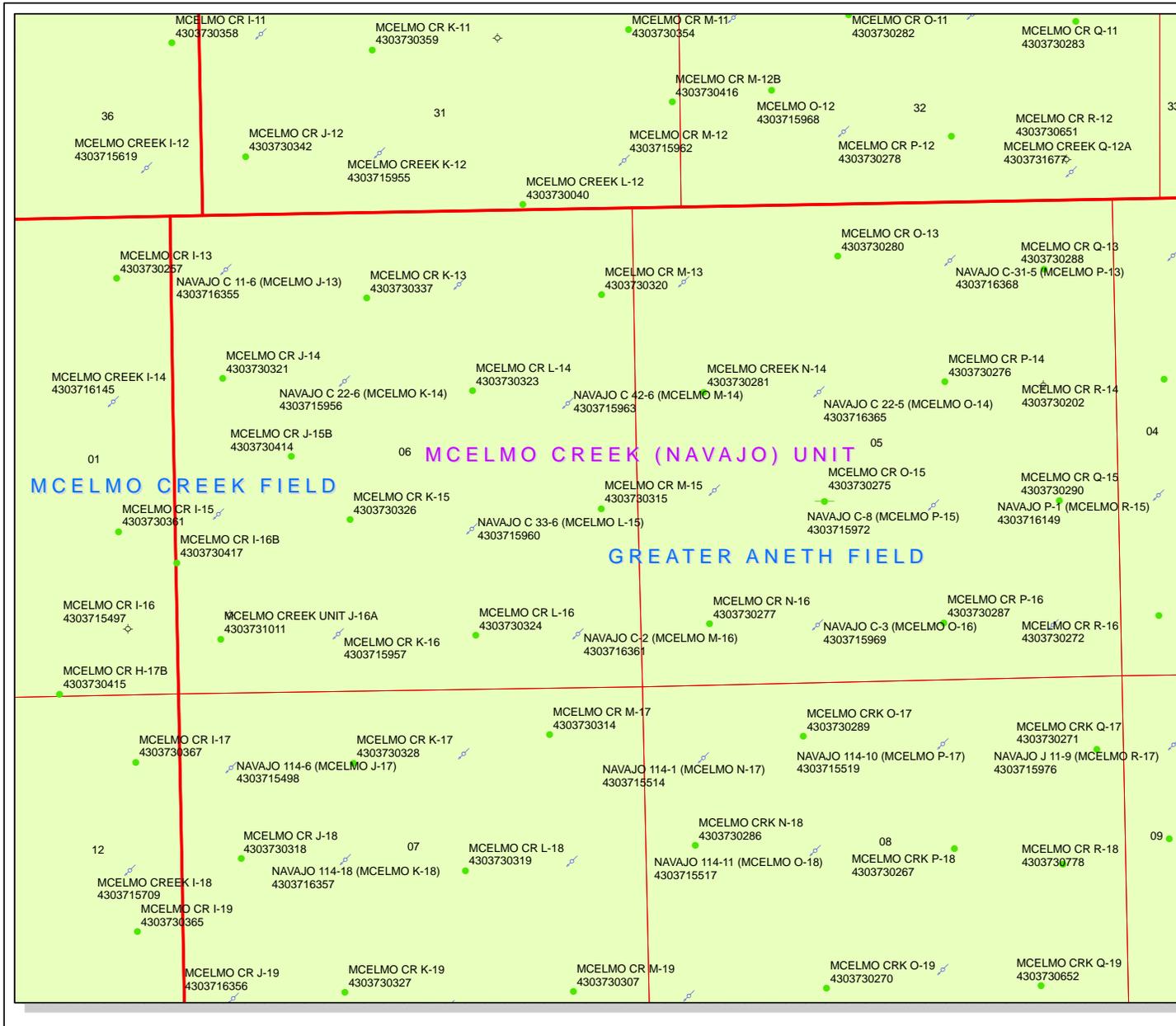
109.23333° W

109.21667° W

109.20000° W

WGS84 109.18333° W

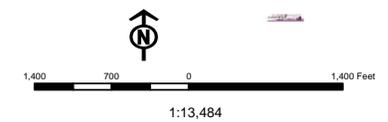




API Number: 4303730315
Well Name: MCELMO CR M-15
Township T41.0S Range R25.0E Section 06
Meridian: SLBM
Operator: RESOLUTE NATURAL RESOURCES

Map Prepared:
 Map Produced by Diana Mason

- | | |
|----------------------|------------------------------------|
| Units STATUS | Wells Query Status |
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE | GIW - Gas Injection |
| NF PP OIL | GS - Gas Storage |
| NF SECONDARY | LOC - New Location |
| P1 OIL | OPS - Operation Suspended |
| PP GAS | PA - Plugged Abandoned |
| PP GEOTHERM | PGW - Producing Gas Well |
| PP OIL | POW - Producing Oil Well |
| SECONDARY | SGW - Shut-in Gas Well |
| TERMINATED | SOW - Shut-in Oil Well |
| Fields STATUS | TA - Temp. Abandoned |
| Unknown | TW - Test Well |
| ABANDONED | WDW - Water Disposal |
| ACTIVE | WW - Water Injection Well |
| COMBINED | WSW - Water Supply Well |
| INACTIVE | Bottom Hole Location - Oil/Gas/Oil |
| STORAGE | |
| TERMINATED | |



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/31/2012

API NO. ASSIGNED: 43037303150000

WELL NAME: MCELMO CR M-15

OPERATOR: RESOLUTE NATURAL RESOURCES (N2700)

PHONE NUMBER: 303 573-4886

CONTACT: Sherry Glass

PROPOSED LOCATION: NESE 06 410S 250E

Permit Tech Review:

SURFACE: 1934 FSL 0363 FEL

Engineering Review:

BOTTOM: 1934 FSL 0363 FEL

Geology Review:

COUNTY: SAN JUAN

LATITUDE: 37.24946

LONGITUDE: -109.20772

UTM SURF EASTINGS: 658955.00

NORTHINGS: 4124052.00

FIELD NAME: GREATER ANETH

LEASE TYPE: 2 - Indian

LEASE NUMBER: 1420603372

PROPOSED PRODUCING FORMATION(S): DESERT CREEK

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: INDIAN - B001263
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: lease produced water
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit: MCELMO CREEK
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 152-09
- Effective Date: 8/27/2003
- Siting: Suspends General Siting
- R649-3-11. Directional Drill

Comments: Presite Completed
610901 UNIT EFF:860626 OP FR N0920 EFF 4/86:950803 OP FR MEPNA:020423 OP FR N7370 EFF 06-01-01:OP FR N1855:

Stipulations: 4 - Federal Approval - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: MCELMO CR
M-15

API Well Number: 43037303150000

Lease Number: 1420603372

Surface Owner: INDIAN

Approval Date: 10/1/2012

Issued to:

RESOLUTE NATURAL RESOURCES, 1675 Broadway Ste 1950, Denver, CO 80202

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 152-09. The expected producing formation or pool is the DESERT CREEK Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

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.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written in a cursive style.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603372
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
		7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: MCELMO CR M-15
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		9. API NUMBER: 43037303150000
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: GREATER ANETH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1934 FSL 0363 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 06 Township: 41.0S Range: 25.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/2/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute finished drilling to the target TVD of 5740'. Acidized well. Will submit completion report when well is put back to production. Daily drilling report is attached.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 03, 2012		
NAME (PLEASE PRINT) Shery Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A		DATE 10/2/2012



Daily Well Report

Well Name: Mcelmo Cr M15

API Number 43037303150000	Section	Township	Range	Field Name McElmo Creek	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)		KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Well Spud Date/Time 10/15/1976 00:00	Rig Release Date/Time	

Job Category Completion/Workover	Primary Job Type Recompletion	Secondary Job Type	Working Interest (%) 71.25
-------------------------------------	----------------------------------	--------------------	-------------------------------

Start Date 8/30/2012	End Date	AFE Number 10012758
-------------------------	----------	------------------------

Objective
Job scope: Pull existing rods and tubing, drill out of the existing 5-1/2" casing shoe at 5630' and deepen 110' to a projected depth of 5740' (30' below the base of the DC-IIC) using nitrogen as required; stimulate the open hole IIC section, and run new tubing with submersible pump equipment. This expenditure will include upgrade of the electrical supply to the well and re-sizing the flowline to handle increased production.

Contractor Key	Rig Number 27	Rig Type	Rig Start Date 8/30/2012	Rig Release Date
-------------------	------------------	----------	-----------------------------	------------------

Report Number	Start Date	End Date	Summary
1	8/30/2012	8/30/2012	Hummingbird Surveying surveyed location and produce submittal package
2	8/31/2012	8/31/2012	Drove to location, excavate to expose 2" flowline, cap off line with 2" ball valve, remove fluid with Vacuum truck, assist welder, back fill trench, dismantled well head. 2" plug on valve on well, clean up work area.
3	9/1/2012	9/1/2012	Load & haul fill dirt to M15 to extend out & build burn
4	9/13/2012	9/14/2012	This is the report on the MCU M-15 This location is open and clean The anchors were tested on 8/29 but not marked There is a 3000# reactor screw on flange for well head. the main power source was off.cathodic was not hooked-up to well head. The rectifier readings were 0 amp and 0 volts. Had MWS and JR Construction, Elk Horn Construction put up sound barrier on the south side of location. The anchors on the south side of location were covered and had rig crew with the assistance of LJB backhoe locate to recover anchors. Rig crew showed up at 6:00 am for rig move. Tail gate safety meeting with rig crew. Topic was Making sure that all garbage is ready for disposal. Make sure road conditions are good for next location. Allow significant time to get there and drive accordingly. Make sure that all equipment is tied down. Continue with rig move.
5	9/14/2012	9/15/2012	This is the report on the MCU M-15 Capital Producer Key rig #27 Continue rig move.Lock and tag out all power sources. Move all equipment to location. Had LJB backhoe level off front of well head to spot in rig ramp. Spot in all equipment on location. Start rigging up equipment. Crew change at 18:00 hour Tail gate safety meeting with rig crew topic was communication, buddy system, team work, fork lift operations, Continue rigging up. The main power source going to electric box on the rig went out. Call out and electrician to work on the box. Finish rigging up. Held safety meeting with 9 personal on location topics discuss were blowing down procedure and kill well, personal monitors and the present of H2S. Take pressure readings 425 psi on casing and 50 psi on tubing. Open tubing to work tank and bleed off. open casing had readings of 60 to 70 PPM of H2S and getting higher. Slight brews on location had LJB safety hand on location to monitors readings. Decided to shut in well due to high noises.and wind directions. Pump 80 bbls of P/W down casing.and put well on a vac. Crew shut down to eat lunch Pull-up on polish rod and work on releasing pump with out no success rig -up tubing tongs and back-off rods.weight of string at 8K. Lay down 1 1/2 x26 ft polish rod and 3 pony subs 2 4 10 Crew change at 6:00 Safety meeting with all contractors on location topic was H2S monitors, communication, rod tongs operations, wind directions, award of surroundings. Continue to get rod trailer ready for rods
6	9/15/2012	9/16/2012	This report is on the MCU M-15 Capital Producer Key rig #27.Lay down 1 1/2 x 26 ft polish rod 3 pony subs 2,4,10. Lay down (86) S-87 7/8 rods and (143) 3/4 S-87 rods with 2 stabilizer bars. We back-off right at the insert pump. Move rod trailer out of the way. Held safety meeting with all contractors on location Topic was hand placement, job task, staying away from well head while pulling up on anchor, commutation. Pump 20 bbls of P/W down casing well on a vac. Nipple down well head and pull up to set slips take off flange make up sub and TIW valve pull up and release anchor. Strip BOP stack over and nipple up. Pick up weatherford packer to pressure test BOP stack 200 low and 800 high. Bleed off pressure and release packer and load. Finish rigging up matting seal.pipe racks and catwalk. Crew change at 1800 Tail gate safety meeting with every one on location topic was standing back tubing, tong operation, hand placement, job task. Start out of hole and tally out. TOH with 1 jt Duraseal, 2 subs 10,4 , 162 jts of 2 7/8 Y/B tubing 5 1/2 TAC, 10 jts,1 Duraseal tubing, seat nipple, mud anchor.Make up BHA with 5 1/2 scraper and bit. TIH and tag at 5626. lay down 1 jt . Pump 180 bbls but did not establish circulation. Start out of hole with BHA. Crew change at 6:00 Tail gate safety meeting with all personal on location topic was wireline operations, team work, good housekeeping. Lay down 5 jts and start out of hole.



Daily Well Report

Well Name: Mcelmo Cr M15

API Number 43037303150000	Section	Township	Range	Field Name McElmo Creek	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Well Spud Date/Time 10/15/1976 00:00	Rig Release Date/Time		

Report Number	Start Date	End Date	Summary
7	9/16/2012	9/17/2012	Report for MCU M-15 Capital Producer, Key Rig 27, TOH w/ 177 jts tbg, Lay down Bit & Scraper. Bluejet on loc, Spot in wireline truck, Safety Meeting w/ everyone on loc (Wireline Safety, Good Communication) Rig up wireline, P/U Casing Inspection tool, RIH to 5626' log to 2000', ROH L/D logging tool, Rig down wireline equipment, Release Bluejet. P/U RBP TIH 172 jts tbg. Set RBP @ 5400', J off RBP, Stand back 1 stand, M/U pumping T to tbg, Pump 160 bbls Fresh Water, Return 20 bbls oily fluid and gas, Shut in well psi test csg to 550psi, lost 100psi in 10 min, Psi back up to 500psi, Lost 80psi in 10min, Released PSI, Tbg & Csg light flow, TIH 1 stand, Latch onto RBP, Release RBP move up and set RBP @ 5070', M/U pumping T, Pump 100 bbls fresh water to break Circ. Crew change @ 1800 hrs Safety Meeting fill out JSA (Lay down tbg, Catwalk Safety). Shut in well psi test csg to 500psi for 20 min, Test good, Release PSI, Tbg & Csg dead, R/D pumping T. Lay down, 167 jts tbg, Moving tbg to racks when needed. P/U second RBP, TIH 10 jts tbg. Set RBP @ 307' , L/D 1 jt tbg, Circ well with Fresh Water, Rig down Pumping T. Lay down 9 jts tbg. Rig down tbg tongs, tools, hand rails, steps. Remove BOP, Set on skid. Hold JSA w/ everyone on loc 16 people (Job Steps, Hazards) LJB dig 2' around well head, Baker Spear csg, pull 90K to pull slips, L/D Spear, Dig around well head to cut surface csg, Backside of 5 1/2 reading 100% LEL, 90% CO2, Let it vent for an hour Readings died down to zero, Cut and remove surface csg, Install Slip Bore Collar begin to weld in place. Crew change @ 0600 hrs Safety Meeting fill out JSA (Nipple up BOP, Forklift Operations).
8	9/17/2012	9/18/2012	Report for MCU M-15 Capital Producer Key Rig 27, Welded in Slip Bore Collar, Pulled 80K set slips, Install A section, Bsection, Test void 2,000psi, Tested good, M/U & Secure G45 spool, M/U B1 flange with pub jt & TIW to secure well. Wait on RSC to repair forklift, Forklift would not start, Crew check battery cables, Charged battery with jumper cables, Still wont start, While waiting spot in weatherford Air Package on loc, Fork lift repaired, Blown fuse to ignition switch. Pick up BOP from skid, Rig down B1 flange & TIW, Nipple up BOP w/ G45 spool, Secure bolts on BOP. Rig up and secure stell flex line to choke manifold, Rig up floor, steps, hand rails, tools, and tbg tong, Change out bells & elevators on blocks, Move cat walk into position with pipe racks, Move 89 jts 2 7/8 AHO Drill Pipe to racks & Tally. P/U Retrieving head, 10 jts DP, Latch onto RBP & Release. TOH 10 jts L/D Retrieving tool with RBP P/U second Retrieving tool, TIH 10 jts DP. Pick up 158 jts DP, Latch onto RBP & Release, L/D 6 jts DP. TOH 162 jts DP, L/D RBP & Retrieving tool. Pull out 10 jts HWDP from junk trailer, put on racks & tally. P/U 3 blade mill with 10 jts HWDP. TIH 10 jts DP. Crew Change @ 0600 hrs Safety Meeting fill out JSA (Tripping TBG, Hearing Protection, Communication)
9	9/18/2012	9/19/2012	Report for MCU M-15 Capital Producer Key Rig 27, TIH 152 jts 2 7/8 AHO DP. P/U 6 jts, Tag on jt 179 @ 5626', L/D tag jt. Rig up Power Swivel w/ tag jt. Begin to unload hole with Air, PSI up to 1000psi, Well started to unload fluid, when rotating rubber started leaking, Shut down Air, Change out rotating rubber, Began to unload well, Well Unloaded at 1100psi, Dropped down to 750 psi circ, Psi up to 800psi once through shoe, 1050 CFM, 8 bbl Hr, O2 5.8%, Clean out from 5626' to 5630' start Milling on Casing Shoe at 5630', Mill down to 5652', Penetration rate fell off, Pick up off bottom circ sweep. Lay down jt 179 w/ Power Swivel, Hang Swivel back in derrick. TOH 168 jts DP, 10 jts HWDP, L/D 3 Blade Mill. Crew Change @ 1800 hrs Safety Meeting fill out JSA (Tripping DP, Hearing Protection, 100% Tied off) P/U 4 3/4 Button Bit, TIH 10 jts HWDP, 168 jts DP. Rig up Power Swivel w/ jt 179. Unload well @ 900psi, Circ 800 psi, 1160 CFM, O2 5.8%, 8 bbls and hr, good returns to lay down tanks, Drill down to 5740' TD, Unloading well at every connection, TD @ 0400 hrs. Circ well condition hole for logs. Crew Change @ 0600hrs Safety Meeting fill out JSA (Hearing Protection, H2S Monitors).
10	9/19/2012	9/20/2012	This is the report on the MCU M-15 capital Producer Key rig #27 Finish cleaning up open hole with with N2 package Pull up on jt # 179. Kick out nitrogen unit and release pressure Lay down 4 jts with power swivel. Hang back swivel and TOH with BHA break down tools Three Rivers on location to load and haul N2 unit back to Farmington. Spot in Weatherford open hole logging truck. Rig up. wireline and lubricater Held safety meeting with 11 personal on location topic was wireline operations, job task, personal monitors. Log open hole from 5730 to 5630. Crew change at 1800 Tail gate safety meeting with all contractors on location topic was wireline operations, communication, good housekeeping.. Continue logging run gamma ray from 5630 to surface also ran Density/Caliper, and Neutron logs. Rig down wireline and sent all logs to Jason, Donnie, Jim. Make up BHA with 4 3/4 tapered and watermelon mills with (6) 3 1/2 Drill collars. TIH to 5618. On jt 172. Pick up jt 173 and tag shoe at 5630. to dress up TOH with BHA. Lay down drill collars and break down mills. Make up BHA with 7 jts of 2 7/8 Y/B tubing treating packer, and 174 jt setting packer at 5503 with the EOTat 5717 Pressure test casing to 500 psi (Good Test) Crew change at 6:00 tail gate safety meeting with all contractors on location Topic was high pressure lines, job task, Acidizing well. Wait on Halliburton



Daily Well Report

Well Name: Mcelmo Cr M15

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Report Number	Start Date	End Date	Summary
11	9/20/2012	9/21/2012	This is the report on the MCU M-15 Capital Producer Key rig #27 Halliburton on location with 1500 gals of 28%. Crew check all personal for cards. Had one employee who had no Resolute Orientation card also expired H2S card. Call Troy and notify him about the situation. Rig up hard lines to rig floor also had ABC safety on location with eye wash station. Held safety meeting with 11 personal on location topic was job task, high pressure lines, and staying away while pumping acid. Pressure test lines to 3500 psi (Good Test). Pump 5 bbls of F/W and 5 bbls of acid with 22 bbls to spot. Waited 30 mins pump 30 bbls of acid and displace with 55 bbls. Pumping at 2 1/2 bbls a min through out the job highest pressure recorded was 750 psi.. Pressure was 360 psi at the end of job. Shut down and monitor readings every 5 mins first readings was 22 #, 10 mins 23# and after 15 mins 24# . Shut in well for 2 hours Rig down Halliburton and move off. Open well had a slight blow Unset packer and started laying down AOH Drill pipe. Crew change at 1800 Tail gate safety meeting with rig crew topic was laying down tubing, hand placement, team work, Transfer Drill pipe from pipe rack to trailer. finish laying down work string and moved. Transfer 2 7/8 seamless production tubing to pipe racks tally and picked up 174 jts to the depth of 5482.41. TOH and stand back 52 stands putting the EOT at 2,252 for kill string. Crew change at 6:00 Tail gate safety meeting with all contractors on location. Topic was hand placement, standing back tubing, commucation, good house keeping TOH with production tubing.
12	9/21/2012	9/22/2012	This report is on the M-15 Capital Producer Key rig #27 Waited on ESP equipment. Finish TOH with tubing. LJB on location with ESP equipment also spooler. Held safety meeting with all contractors on location Topic was communication, job task, suspended loads, hand placement, Rig-up shivs in derrick. Pick up sub pump and prep. Pick-up 2 7/8 x 3 ft pup joint with collar and centralizer and 2 7/8 x 2 3/8 x over below centinel. service centinel installed motor, service 2 seals, installed gas separator, 2 pumps, and 4 ft sub with centralizer. Run 2 jts check valve 1 joint sliding sleeve and 171 jts. check centinel every 20 stands. Pick -up new 2 7/8 pup joints a 10, 8 and 1 jt of 2 7/8 steamless tubing. splice cable. Crew change at 1800 hour Tail gate safety meeting with both rig crews and other contractors on location Topic was communication, hand placement, also to be aware of all hazards involving job task. While in the process of installing capillary string notice that there was no threads in the hanger. Call Guy Garretson and was inform of another set up at MCU pipe yard. Switch out donut and tie in cable and capillary string. Land tubing with G-45 hanger. Rig down work platform and power tongs. Nipple down BOP stack and put away. Nipple up well head and put on master valve with 2 ft 2 7/8 sub. Check centinel single on top of feed though mandrel. Reading were Centinel intake pressure @ 1443.4 psi Centinel intake temp @ 127.7 degrees and motor temp @ 120.4 degrees. Secure well head. Started rigging down all equipment. Crew change at 6:00 Tail gate safety meeting with rig crew topic was driving on lease roads, good house keeping. Cont rigging down.
13	9/22/2012	9/23/2012	Report for MCU M-15 Capital Producer Key Rig 27, Continue to rig down equipment. Rig down guide lines, Lower derrick, secure lines, hand rails, put up walkways, Prepare unit for rig move. Empty pit, lay down tanks, earth pit, Use pressure washer to clean unit, equipment and tools. Wait on trucks for rig move in the morning.
14	9/23/2012	9/23/2012	Report for MCU M-15 Capital Producer Key Rig 27, Dawn on loc @ 0730, Safety Meeting fill out JSA w/ everyone on loc (Ground guides, Secure loads, Communication) Move trailers & equipment to MCU N-16.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603372
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202		8. WELL NAME and NUMBER: MCELMO CR M-15
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1934 FSL 0363 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 06 Township: 41.0S Range: 25.0E Meridian: S		9. API NUMBER: 43037303150000
9. FIELD and POOL or WILDCAT: GREATER ANETH		COUNTY: SAN JUAN
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/26/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Resolute completed this well on 10-1-12, at a rate of 160 BOPD, 234 mcf/d, 1299 BWPD. Drilling report is attached.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 30, 2012		
NAME (PLEASE PRINT) Shery Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 10/26/2012	



Daily Well Report

Well Name: Mcelmo Cr M15

API Number 43037303150000	Section	Township	Range	Field Name McElmo Creek	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)		KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Well Spud Date/Time 10/15/1976 00:00	Rig Release Date/Time	

Job Category Completion/Workover	Primary Job Type Recompletion	Secondary Job Type	Working Interest (%) 71.25
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Start Date 8/30/2012	End Date 9/23/2012	AFE Number 10012758
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Objective
Job scope: Pull existing rods and tubing, drill out of the existing 5-1/2" casing shoe at 5630' and deepen 110' to a projected depth of 5740' (30' below the base of the DC-IIC) using nitrogen as required; stimulate the open hole IIC section, and run new tubing with submersible pump equipment. This expenditure will include upgrade of the electrical supply to the well and re-sizing the flowline to handle increased production.

Contractor Key	Rig Number 27	Rig Type	Rig Start Date 8/30/2012	Rig Release Date
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Report Number	Start Date	End Date	Summary
1	8/30/2012	8/30/2012	Hummingbird Surveying surveyed location and produce submittal package
2	8/31/2012	8/31/2012	Drove to location, excavate to expose 2" flowline, cap off line with 2" ball valve, remove fluid with Vacuum truck, assist welder, back fill trench, dismantled well head. 2" plug on valve on well, clean up work area.
3	9/1/2012	9/1/2012	Load & haul fill dirt to M15 to extend out & build burn
4	9/13/2012	9/14/2012	This is the report on the MCU M-15 This location is open and clean The anchors were tested on 8/29 but not marked There is a 3000# reactor screw on flange for well head. the main power source was off.cathodic was not hooked-up to well head. The rectifier readings were 0 amp and 0 volts. Had MWS and JR Construction, Elk Horn Construction put up sound barrier on the south side of location. The anchors on the south side of location were covered and had rig crew with the assistance of LJB backhoe locate to recover anchors. Rig crew showed up at 6:00 am for rig move. Tail gate safety meeting with rig crew. Topic was Making sure that all garbage is ready for disposal. Make sure road conditions are good for next location. Allow significant time to get there and drive accordingly. Make sure that all equipment is tied down. Continue with rig move.
5	9/14/2012	9/15/2012	This is the report on the MCU M-15 Capital Producer Key rig #27 Continue rig move.Lock and tag out all power sources. Move all equipment to location. Had LJB backhoe level off front of well head to spot in rig ramp. Spot in all equipment on location. Start rigging up equipment. Crew change at 18:00 hour Tail gate safety meeting with rig crew topic was communication, buddy system, team work, fork lift operations, Continue rigging up. The main power source going to electric box on the rig went out. Call out and electrician to work on the box. Finish rigging up. Held safety meeting with 9 personal on location topics discuss were blowing down procedure and kill well, personal monitors and the present of H2S. Take pressure readings 425 psi on casing and 50 psi on tubing. Open tubing to work tank and bleed off. open casing had readings of 60 to 70 PPM of H2S and getting higher. Slight brews on location had LJB safety hand on location to monitors readings. Decided to shut in well due to high noises.and wind directions. Pump 80 bbls of P/W down casing.and put well on a vac. Crew shut down to eat lunch Pull-up on polish rod and work on releasing pump with out no success rig -up tubing tongs and back-off rods.weight of string at 8K. Lay down 1 1/2 x26 ft polish rod and 3 pony subs 2 4 10 Crew change at 6:00 Safety meeting with all contractors on location topic was H2S monitors, communication, rod tongs operations, wind directions, award of surroundings. Continue to get rod trailer ready for rods
6	9/15/2012	9/16/2012	This report is on the MCU M-15 Capital Producer Key rig #27.Lay down 1 1/2 x 26 ft polish rod 3 pony subs 2,4,10. Lay down (86) S-87 7/8 rods and (143) 3/4 S-87 rods with 2 stabilizer bars. We back-off right at the insert pump. Move rod trailer out of the way. Held safety meeting with all contractors on location Topic was hand placement, job task, staying away from well head while pulling up on anchor, commutation. Pump 20 bbls of P/W down casing well on a vac. Nipple down well head and pull up to set slips take off flange make up sub and TIW valve pull up and release anchor. Strip BOP stack over and nipple up. Pick up weatherford packer to pressure test BOP stack 200 low and 800 high. Bleed off pressure and release packer and load. Finish rigging up matting seal.pipe racks and catwalk. Crew change at 1800 Tail gate safety meeting with every one on location topic was standing back tubing, tong operation, hand placement, job task. Start out of hole and tally out. TOH with 1 jt Duraseal, 2 subs 10,4 , 162 jts of 2 7/8 Y/B tubing 5 1/2 TAC, 10 jts,1 Duraseal tubing, seat nipple, mud anchor.Make up BHA with 5 1/2 scraper and bit. TIH and tag at 5626. lay down 1 jt . Pump 180 bbls but did not establish circulation. Start out of hole with BHA. Crew change at 6:00 Tail gate safety meeting with all personal on location topic was wireline operations, team work, good housekeeping. Lay down 5 jts and start out of hole.



Daily Well Report

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Report Number	Start Date	End Date	Summary
7	9/16/2012	9/17/2012	Report for MCU M-15 Capital Producer, Key Rig 27, TOH w/ 177 jts tbg, Lay down Bit & Scraper. Bluejet on loc, Spot in wireline truck, Safety Meeting w/ everyone on loc (Wireline Safety, Good Communication) Rig up wireline, P/U Casing Inspection tool, RIH to 5626' log to 2000', ROH L/D logging tool, Rig down wireline equipment, Release Bluejet. P/U RBP TIH 172 jts tbg. Set RBP @ 5400', J off RBP, Stand back 1 stand, M/U pumping T to tbg, Pump 160 bbls Fresh Water, Return 20 bbls oily fluid and gas, Shut in well psi test csg to 550psi, lost 100psi in 10 min, Psi back up to 500psi, Lost 80psi in 10min, Released PSI, Tbg & Csg light flow, TIH 1 stand, Latch onto RBP, Release RBP move up and set RBP @ 5070', M/U pumping T, Pump 100 bbls fresh water to break Circ. Crew change @ 1800 hrs Safety Meeting fill out JSA (Lay down tbg, Catwalk Safety). Shut in well psi test csg to 500psi for 20 min, Test good, Release PSI, Tbg & Csg dead, R/D pumping T. Lay down, 167 jts tbg, Moving tbg to racks when needed. P/U second RBP, TIH 10 jts tbg. Set RBP @ 307' , L/D 1 jt tbg, Circ well with Fresh Water, Rig down Pumping T. Lay down 9 jts tbg. Rig down tbg tongs, tools, hand rails, steps. Remove BOP, Set on skid. Hold JSA w/ everyone on loc 16 people (Job Steps, Hazards) LJB dig 2' around well head, Baker Spear csg, pull 90K to pull slips, L/D Spear, Dig around well head to cut surface csg, Backside of 5 1/2 reading 100% LEL, 90% CO2, Let it vent for an hour Readings died down to zero, Cut and remove surface csg, Install Slip Bore Collar begin to weld in place. Crew change @ 0600 hrs Safety Meeting fill out JSA (Nipple up BOP, Forklift Operations).
8	9/17/2012	9/18/2012	Report for MCU M-15 Capital Producer Key Rig 27, Welded in Slip Bore Collar, Pulled 80K set slips, Install A section, Bsection, Test void 2,000psi, Tested good, M/U & Secure G45 spool, M/U B1 flange with pub jt & TIW to secure well. Wait on RSC to repair forklift, Forklift would not start, Crew check battery cables, Charged battery with jumper cables, Still wont start, While waiting spot in weatherford Air Package on loc, Fork lift repaired, Blown fuse to ignition switch. Pick up BOP from skid, Rig down B1 flange & TIW, Nipple up BOP w/ G45 spool, Secure bolts on BOP. Rig up and secure stell flex line to choke manifold, Rig up floor, steps, hand rails, tools, and tbg tong, Change out bells & elevators on blocks, Move cat walk into position with pipe racks, Move 89 jts 2 7/8 AHO Drill Pipe to racks & Tally. P/U Retrieving head, 10 jts DP, Latch onto RBP & Release. TOH 10 jts L/D Retrieving tool with RBP P/U second Retrieving tool, TIH 10 jts DP. Pick up 158 jts DP, Latch onto RBP & Release, L/D 6 jts DP. TOH 162 jts DP, L/D RBP & Retrieving tool. Pull out 10 jts HWDP from junk trailer, put on racks & tally. P/U 3 blade mill with 10 jts HWDP. TIH 10 jts DP. Crew Change @ 0600 hrs Safety Meeting fill out JSA (Tripping TBG, Hearing Protection, Communication)
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15	9/25/2012	9/25/2012	22 hours at supervisor job JR line crew.
16	9/26/2012	9/26/2012	Set pole, de-energize three phase line, and set up transformer
17	9/27/2012	9/27/2012	Pulled wire from primary and secondary side, terminat the high side and inside transformer I/O cable

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603372
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input checked="" type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
2. NAME OF OPERATOR: Resolute Natural Resources		7. UNIT or CA AGREEMENT NAME McElmo Creek
3. ADDRESS OF OPERATOR: 1675 Broadway, Ste 1950 CITY Denver STATE CO ZIP 80202		8. WELL NAME and NUMBER: McElmo Crk M-15
PHONE NUMBER: (303) 573-4886		9. API NUMBER: 4303730315
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1934 FSL, 363 FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: 1934 FSL, 363 FEL AT TOTAL DEPTH: 1934 FSL, 363 FEL		10. FIELD AND POOL, OR WILDCAT Greater Aneth
14. DATE SPUDDED: 9/14/2012		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 6 41S 25E S
15. DATE T.D. REACHED: 9/18/2012		12. COUNTY San Juan
16. DATE COMPLETED: 10/1/2012		13. STATE UTAH
ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL): 4757 GL
18. TOTAL DEPTH: MD 5,740 TVD 5,740	19. PLUG BACK T.D.: MD TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) Cement bond log		21. DEPTH BRIDGE MD PLUG SET: TVD
23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis)		
WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report)		
DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)		

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	8.675 K-55	24	0	1,510		B 1,000		0	
7.875	5.5 K-55	14	0	5,630		B 250			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,314							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Desert Creek IA	5,545		5,545					Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Desert Creek IB	5,572		5,572					Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) Desert Creek IIC	5,642		5,642					Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5503 to TD open hole	5 bbls FW head, 35 bbls 28% HCl acid, 55 bbls FW flush

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: gas analysis

30. WELL STATUS:
producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 9/29/2012		TEST DATE: 10/1/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 160	GAS – MCF: 234	WATER – BBL: 1,299	PROD. METHOD: pumping
CHOKE SIZE: 128/64	TBG. PRESS. 320	CSG. PRESS. 220	API GRAVITY 42.30	BTU – GAS 1,393	GAS/OIL RATIO 1,463	24 HR PRODUCTION RATES: →	OIL – BBL: 160	GAS – MCF: 234	WATER – BBL: 1,299	INTERVAL STATUS: producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)
sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Upper Ismay	5,396			Chimney Rock Shale	5,733
Lower Ismay	5,473				
Gothic Shale	5,535				
Desert Creek IA	5,545				
Desert Creek IB	5,572				
Desert Creek IC	5,586				
Desert Creek IIA	5,606				
Desert Creek IIB	5,620				
Desert Creek IIC	5,642				
Desert Creek III	5,733				

35. ADDITIONAL REMARKS (Include plugging procedure)

Well is lifted by electrical submersible pump.

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

NAME (PLEASE PRINT) Sherry Glass TITLE Sr Regulatory Technician
 SIGNATURE *Sherry Glass* DATE 10/26/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

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

COPY

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
1420603372

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
NAVAJO

7. UNIT or CA AGREEMENT NAME:
MCELMO CREEK

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
MCELMO CR M-15

2. NAME OF OPERATOR:
RESOLUTE NATURAL RESOURCES

9. API NUMBER:
43037303150000

3. ADDRESS OF OPERATOR:
1675 Boradway Ste 1950 , Denver, CO, 80202

PHONE NUMBER:
303 534-4600 Ext

9. FIELD and POOL or WILDCAT:
GREATER ANETH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1934 FSL 0363 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 06 Township: 41.0S Range: 25.0E Meridian: S

COUNTY:
SAN JUAN

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input 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"/> 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"/> 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"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SPUD REPORT Date of Spud:	<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"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/26/2012	OTHER: <input type="text"/>		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Resolute completed this well on 10-1-12, at a rate of 160 BOPD, 234 mcf, 1299 BWPD. Drilling report is attached.

NAME (PLEASE PRINT) Sherry Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 10/26/2012	

Well Name: Mcelmo Cr M15

API Number 43037303150000	Section	Township	Range	Field Name McElmo Creek	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Well Spud Date/Time 10/15/1976 00:00	Rig Release Date/Time		

Job Category Completion/Workover	Primary Job Type Recompletion	Secondary Job Type	Working Interest (%) 71.25
Start Date 8/30/2012	End Date 9/23/2012	AFE Number 10012758	

Objective
Job scope: Pull existing rods and tubing, drill out of the existing 5-1/2" casing shoe at 5630' and deepen 110' to a projected depth of 5740' (30' below the base of the DC-IIC) using nitrogen as required; stimulate the open hole IIC section, and run new tubing with submersible pump equipment. This expenditure will include upgrade of the electrical supply to the well and re-sizing the flowline to handle increased production.

Contractor Key	Rig Number 27	Rig Type	Rig Start Date 8/30/2012	Rig Release Date
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Report Number	Start Date	End Date	Summary
1	8/30/2012	8/30/2012	Hummingbird Surveying surveyed location and produce submittal package
2	8/31/2012	8/31/2012	Drove to location, excavate to expose 2" flowline, cap off line with 2" ball valve, remove fluid with Vacuum truck, assit welder, back fill trench, dismantal well head. 2" plug on valve on well, clean up work area.
3	9/1/2012	9/1/2012	Load & haul fill dirt to M15 to extned out & build burn
4	9/13/2012	9/14/2012	This is the report on the MCU M-15 This location is open and clean The anchors were tested on 8/29 but not marked There is a 3000# rector screw on flange for well head. the main power source was off.cathodic was not hooked-up to well head. The rectifier readings were 0 amp and 0 volts. Had MWS and JR Construction, Elk Horn Construction put up sound barrier on the south side of location. The anchors on the south side of location were covered and had rig crew with the assistance of LJB backhoe locate to recover anchors. Rig crew showed up at 6:00 am for rig move. Tail gate safety meeting with rig crew. Topic was Making sure that all garbage is ready for disposal. Make sure road conditions are good for next location. Allow significant time to get there and drive accordingly. Make sure that all equipment is tied down. Continue with rig move.
5	9/14/2012	9/15/2012	This is the report on the MCU M-15 Capital Producer Key rig #27 Continue rig move.Lock and tag out all power sources. Move all equipment to location. Had LJB backhoe level off front of well head to spot in rig ramp. Spot in all equipment on location. Start rigging up equipment. Crew change at 18:00 hour Tail gate safety meeting with rig crew topic was communication, buddy system, team work, fork lift operations, Continue rigging up. The main power source going to electric box on the rig went out. Call out and electrician to work on the box. Finish rigging up. Held safety meeting with 9 personal on location topics discuss were blowing down procedure and kill well, personal monitors and the present of H2S. Take pressure readings 425 psi on casing and 50 psi on tubing. Open tubing to work tank and bleed off. open casing had readings of 60 to 70 PPM of H2S and getting higher. Slight brews on location had LJB safety hand on location to monitors readings. Decided to shut in well due to high noises.and wind directions. Pump 80 bbls of P/W down casing.and put well on a vac. Crew shut down to eat lunch Pull-up on polish rod and work on releasing pump with out no success rig -up tubing tongs and back-off rods.weight of string at 8K. Lay down 1 1/2 x26 ft polish rod and 3 pony subs 2 4 10 Crew change at 6:00 Safety meeting with all contractors on location topic was H2S monitors, communication, rod tongs operations, wind directions, award of surroundings. Continue to get rod trailer ready for rods
6	9/15/2012	9/16/2012	This report is on the MCU M-15 Capital Producer Key rig #27.Lay down 1 1/2 x 26 ft polish rod 3 pony subs 2,4,10. Lay down (86) S-87 7/8 rods and (143) 3/4 S-87 rods with 2 stabilizer bars. We back-off right at the insert pump. Move rod trailer out of the way. Held safety meeting with all contractors on location Topic was hand placement, job task, staying away from well head while pulling up on anchor, commutation. Pump 20 bbls of P/W down casing well on a vac. Nipple down well head and pull up to set slips take off flange make up sub and TIW valve pull up and release anchor. Strip BOP stack over and nipple up. Pick up weatherford packer to pressure test BOP stack 200 low and 800 high. Bleed off pressure and release packer and load. Finish rigging up matting seal.pipe racks and catwalk. Crew change at 1800 Tail gate safety meeting with every one on location topic was standing back tubing, tong operation, hand placement, job task. Start out of hole and tally out. TOH with 1 jt Duraseal, 2 subs 10,4 , 162 jts of 2 7/8 Y/B tubing 5 1/2 TAC, 10 jts,1 Duraseal tubing, seat nipple, mud anchor.Make up BHA with 5 1/2 scraper and bit. TIH and tag at 5626. lay down 1 jt . Pump 180 bbls but did not establish circulation. Start out of hole with BHA. Crew change at 6:00 Tail gate safety meeting with all personal on location topic was wireline operations, team work, good housekeeping. Lay down 5 jts and start out of hole.

RESOLUTE

NATURAL RESOURCES

Daily Well Report

Well Name: Mcelmo Cr M15

API Number 43037303150000	Section	Township	Range	Field Name McElmo Creek	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Well Spud Date/Time 10/15/1976 00:00	Rig Release Date/Time		

Report Number	Start Date	End Date	Summary
7	9/16/2012	9/17/2012	Report for MCU M-15 Capital Producer, Key Rig 27, TOH w/ 177 jts tbg, Lay down Bit & Scraper. Bluejet on loc, Spot in wireline truck, Safety Meeting w/ everyone on loc (Wireline Safety, Good Communication) Rig up wireline, P/U Casing Inspection tool, RIH to 5626' log to 2000', ROH L/D logging tool, Rig down wireline equipment, Release Bluejet. P/U RBP TIH 172 jts tbg. Set RBP @ 5400', J off RBP, Stand back 1 stand, M/U pumping T to tbg, Pump 160 bbls Fresh Water, Return 20 bbls oily fluid and gas, Shut in well psi test csg to 550psi, lost 100psi in 10 min, Psi back up to 500psi, Lost 80psi in 10min, Released PSI, Tbg & Csg light flow, TIH 1 stand, Latch onto RBP, Release RBP move up and set RBP @ 5070', M/U pumping T, Pump 100 bbls fresh water to break Circ. Crew change @ 1800 hrs Safety Meeting fill out JSA (Lay down tbg, Catwalk Safety). Shut in well psi test csg to 500psi for 20 min, Test good, Release PSI, Tbg & Csg dead, R/D pumping T. Lay down, 167 jts tbg, Moveing tbg to racks when needed. P/U second RBP, TIH 10 jts tbg. Set RBP @ 307' , L/D 1 jt tbg, Circ well with Fresh Water, Rig down Pumping T. Lay down 9 jts tbg. Rig down tbg tongs, tools, hand rails, steps. Remove BOP, Set on skid. Hold JSA w/ everyone on loc 16 people (Job Steps, Hazards) LJB dig 2' around well head, Baker Spear csg, pull 90K to pull slips, L/D Spear, Dig around well head to cut surface csg, Backside of 5 1/2 readings 100% LEL, 90% CO2, Let it vent for an hour Readings died down to zero, Cut and remove surface csg, Install Slip Bore Collar begin to weld in place. Crew change @ 0600 hrs Safety Meeting fill out JSA (Nipple up BOP, Forklift Operations).
8	9/17/2012	9/18/2012	Report for MCU M-15 Capital Producer Key Rig 27, Welded in Slip Bore Collar, Pulled 80K set slips, Install A section, Bsection, Test void 2,000psi, Tested good, M/U & Secure G45 spool, M/U B1 flange with pub jt & TIW to secure well. Wait on RSC to repair forklift, Forklift would not start, Crew check battery cables, Charged battery with jumper cables, Still wont start, While waiting spot in weatherford Air Package on loc, Fork lift repaired, Blown fuse to ignition switch. Pick up BOP from skid, Rig down B1 flange & TIW, Nipple up BOP w/ G45 spool, Secure bolts on BOP. Rig up and secure stell flex line to choke manifold, Rig up floor, steps, hand rails, tools, and tbg tong, Change out bells & elevators on blocks, Move cat walk into position with pipe racks, Move 89 jts 2 7/8 AHO Drill Pipe to racks & Tally. P/U Retrieving head, 10 jts DP, Latch onto RBP & Release. TOH 10 jts L/D Retrieving tool with RBP P/U second Retrieving tool, TIH 10 jts DP. Pick up 158 jts DP, Latch onto RBP & Release, L/D 6 jts DP. TOH 162 jts DP, L/D RBP & Retrieving tool. Pull out 10 jts HWDP from junk trailer, put on racks & tally. P/U 3 blade mill with 10 jts HWDP. TIH 10 jts DP. Crew Change @ 0600 hrs Safety Meeting fill out JSA (Tripping TBG, Hearing Protection, Communication)
9	9/18/2012	9/19/2012	Report for MCU M-15 Capital Producer Key Rig 27, TIH 152 jts 2 7/8 AHO DP. P/U 6 jts, Tag on jt 179 @ 5626', L/D tag jt. Rig up Power Swivel w/ tag jt. Begin to unload hole with Air, PSI up to 1000psi, Well started to unload fluid, when rotating rubber started leaking, Shut down Air, Change out rotating rubber, Began to unload well, Well Unloaded at 1100psi, Dropped down to 750 psi circ, Psi up to 800psi once through shoe, 1050 CFM, 8 bbl Hr, O2 5.8%, Clean out from 5626' to 5630' start Milling on Casing Shoe at 5630', Mill down to 5652', Penetration rate fell off, Pick up off bottom circ sweep. Lay down jt 179 w/ Power Swivel, Hang Swivel back in derrick. TOH 168 jts DP, 10 jts HWDP, L/D 3 Blade Mill. Crew Change @ 1800 hrs Safety Meeting fill out JSA (Tripping DP, Hearing Protection, 100% Tied off) P/U 4 3/4 Button Bit, TIH 10 jts HWDP, 168 jts DP. Rig up Power Swivel w/ jt 179. Unload well @ 900psi, Circ 800 psi, 1160 CFM, O2 5.8%, 8 bbls and hr, good returns to lay down tanks, Drill down to 5740' TD, Unloading well at every connection, TD @ 0400 hrs. Circ well condition hole for logs. Crew Change @ 0600hrs Safety Meeting fill out JSA (Hearing Protection, H2S Monitors).
10	9/19/2012	9/20/2012	This is the report on the MCU M-15 capital Producer Key rig #27 Finish cleaning up open hole with with N2 package Pull up on jt # 179. Kick out nitrogen unit and release pressure Lay down 4 jts with power swivel. Hang back swivel and TOH with BHA break down tools Three Rivers on location to load and haul N2 unit back to Farmington. Spot in Weatherford open hole logging truck. Rig up. wireline and lubricater Held safety meeting with 11 personal on location topic was wireline operations, job task, personal monitors. Log open hole from 5730 to 5630. Crew change at 1800 Tail gate safety meeting with all contractors on location topic was wireline operations, communication, good housekeeping.. Continue logging run gamma ray from 5630 to surface also ran Density/Caliper, and Neutron logs. Rig down wireline and sent all logs to Jason, Donnie, Jim. Make up BHA with 4 3/4 tapered and watermelon mills with (6) 3 1/2 Drill collars. TIH to 5618. On jt 172. Pick up jt 173 and tag shoe at 5630. to dress up TOH with BHA. Lay down drill collars and break down mills. Make up BHA with 7 jts of 2 7/8 Y/B tubing treating packer, and 174 jt setting packer at 5503 with the EOTat 5717 Pressure test casing to 500 psi (Good Test) Crew change at 6:00 tail gate safety meeting with all contractors on location Topic was high pressure lines, job task, Acidizing well. Wait on Halliburton

RESOLUTE

NATURAL RESOURCES

Daily Well Report

Well Name: Mcelmo Cr M15

API Number 43037303150000	Section	Township	Range	Field Name McElmo Creek	County San Juan	State/Province Utah	Wellbore Config Vertical
Ground Elevation (ft)	Casing Flange Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Well Spud Date/Time 10/15/1976 00:00	Rig Release Date/Time		

Report Number	Start Date	End Date	Summary
11	9/20/2012	9/21/2012	This is the report on the MCU M-15 Capital Producer Key rig #27 Halliburton on location with 1500 gals of 28%. Crew check all personal for cards. Had one employee who had no Resolute Orientation card also expired H2S card. Call Troy and notify him about the situation. Rig up hard lines to rig floor also had ABC safety on location with eye wash station. Held safety meeting with 11 personal on location topic was job task, high pressure lines, and staying away while pumping acid. Pressure test lines to 3500 psi (Good Test). Pump 5 bbls of F/W and 5 bbls of acid with 22 bbls to spot. Waited 30 mins pump 30 bbls of acid and displace with 55 bbls. Pumping at 2 1/2 bbls a min through out the job highest pressure recorded was 750 psi.. Pressure was 360 psi at the end of job. Shut down and monitor readings every 5 mins first readings was 22 #, 10 mins 23# and after 15 mins 24# . Shut in well for 2 hours Rig down Halliburton and move off. Open well had a slight blow Unset packer and started laying down AOH Drill pipe. Crew change at 1800 Tail gate safety meeting with rig crew topic was laying down tubing, hand placement, team work, Transfer Drill pipe from pipe rack to trailer. finish laying down work string and moved. Transfer 2 7/8 seamless production tubing. to pipe racks tally and picked up 174 jts to the depth of 5482.41. TOH and stand back 52 stands putting the EOT at 2,252 for kill string. Crew change at 6:00 Tail gate safety meeting with all contractors on location. Topic was hand placement, standing back tubing, commucation, good house keeping TOH with production tubing.
12	9/21/2012	9/22/2012	This report is on the M-15 Capital Producer Key rig #27 Waited on ESP equipment. Finish TOH with tubing. LJB on location with ESP equipment also spooler. Held safety meeting with all contractors on location Topic was communication, job task, suspended loads, hand placement, Rig-up shivs in derrick. Pick up sub pump and prep. Pick-up 2 7/8 x 3 ft pup joint with collar and centralizer and 2 7/8 x 2 3/8 x over below centinel. service centinel installed motor, service 2 seals, installed gas separator, 2 pumps, and 4 ft sub with centralizer. Run 2 jts check valve 1 joint sliding sleeve and 171 jts. check centinel every 20 stands. Pick -up new 2 7/8 pup joints a 10, 8 and 1 jt of 2 7/8 steamless tubing. splice cable. Crew change at 1800 hour Tail gate safety meeting with both rig crews and other contractors on location Topic was communication, hand placement, also to be aware of all hazards involving job task. While in the process of installing capillary string notice that there was no threads in the hanger. Call Guy Garretson and was inform of another set up at MCU pipe yard. Switch out donut and tie in cable and capillary string. Land tubing with G-45 hanger. Rig down work platform and power tongs. Nipple down BOP stack and put away. Nipple up well head and put on master valve with 2 ft 2 7/8 sub. Check centinel single on top of feed though mandrel. Reading were Centinel intake pressure @ 1443.4 psi Centinel intake temp @ 127.7 degrees and motor temp @ 120.4 degrees. Secure well head. Started rigging down all equipment. Crew change at 6:00 Tail gate safety meeting with rig crew topic was driving on lease roads, good house keeping. Cont rigging down.
13	9/22/2012	9/23/2012	Report for MCU M-15 Capital Producer Key Rig 27, Continue to rig down equipment. Rig down guide lines, Lower derrick, secure lines, hand rails, put up walkways, Prepare unit for rig move. Empty pit, lay down tanks, earth pit, Use pressure washer to clean unit, equipment and tools. Wait on trucks for rig move in the morning.
14	9/23/2012	9/23/2012	Report for MCU M-15 Capital Producer Key Rig 27, Dawn on loc @ 0730, Safety Meeting fill out JSA w/ everyone on loc (Ground guides, Secure loads, Communication) Move trailers & equipment to MCU N-16.
15	9/25/2012	9/25/2012	22 hours at supervisor job JR line crew.
16	9/26/2012	9/26/2012	Set pole, de-energize three phase line, and set up transformer
17	9/27/2012	9/27/2012	Pulled wire from primary and secondary side, terminat the high side and inside transformer I/O cable

Diablo Analytical BTU Report GPA 2145-03 Analysis

Sample Information

Sample Information	
Sample Name	M-15
Station Number	
Method Name	NewNGA#3
Injection Date	10/12/2012 9:42:48 AM
Report Date	10/12/2012 09:49:51 AM
BTU Configuration File	GPA 2145-03 EMS.cfg
Data Source	Cerity data system connection
Instrument	G2801AGC - US10317001
Data Saved To:	M-15-20121012-094951.btu

Component Results

Component Name	Ret. Time	Peak Area	Normalized Mole%	Heating Value (Btu / cu. ft.)	Molar Mass Ratio (G)	GPM (Gal. / 1000 cu. ft.)
Nitrogen	0.463	8579	0.9754	0.0000	0.0094	
Methane	0.483	145156	22.1187	223.9157	0.1225	
Carbon Dioxide	0.603	570722	57.1844	0.0000	0.8690	
Hydrogen Sulfide	1.140	842	0.0851	0.5434	0.0010	
Ethane	0.711	91160	8.7621	155.4216	0.0910	2.3565
Propane	1.874	72498	6.1176	154.2872	0.0932	1.6949
i-Butane	0.365	35664	0.8240	26.8585	0.0165	0.2712
n-Butane	0.389	92882	2.2332	73.0245	0.0448	0.7084
i-Pentane	0.467	22320	0.5104	20.4678	0.0127	0.1880
n-Pentane	0.499	27908	0.6110	24.5498	0.0152	0.2227
Hexanes Plus	1.194	33648	0.5781	29.7205	0.0186	0.2524
Total:			100.0000	708.7891	1.2940	5.6941

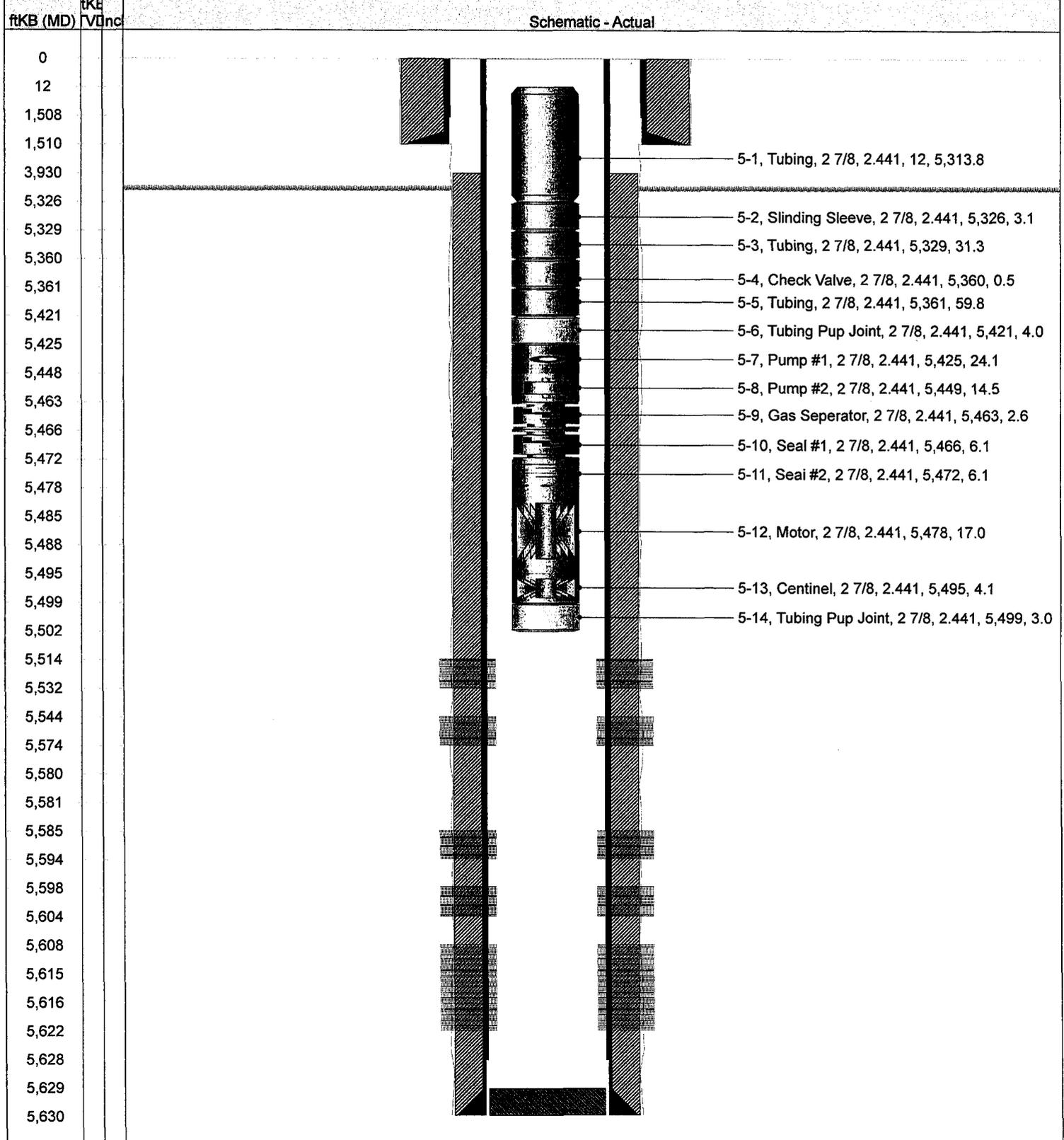
Results Summary

Result	Dry	Sat.
Total Unnormalized Mole%	104.3791	
Pressure Base (psia)	14.730	
Water Mole%	-	1.7404
Gross Heating Value (Btu / Ideal cu. ft.)	708.7891	696.4534
Gross Heating Value (Btu / Real cu. ft.)	713.2428	701.0940
Real Relative Density	1.30164	1.29036
Gas Compressibility (Z) Factor	0.99376	0.99338

API Number 43037303150000	Surf Loc	Section	Township	Range	Well Spud Date/Time 10/15/1976 00:00	Field Name McElmo Creek	State/Province Utah	Working Interest (%) 71.25
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Most Recent Job				
Job Category Completion/Workover	Primary Job Type Recompletion	Secondary Job Type	Start Date 8/30/2012	End Date 9/23/2012

TD: 5,630.0 Wellbore Config: Vertical - McElmo Cr M15, 10/25/2012 2:04:46 PM



McELMO CREEK UNIT # M-15
GREATER ANETH FIELD
 1934' FSL & 363' FEL
 SEC 6-T41S-R25E
 SAN JUAN COUNTY, UTAH
 API 43-037-30315
 PRISM 0000309

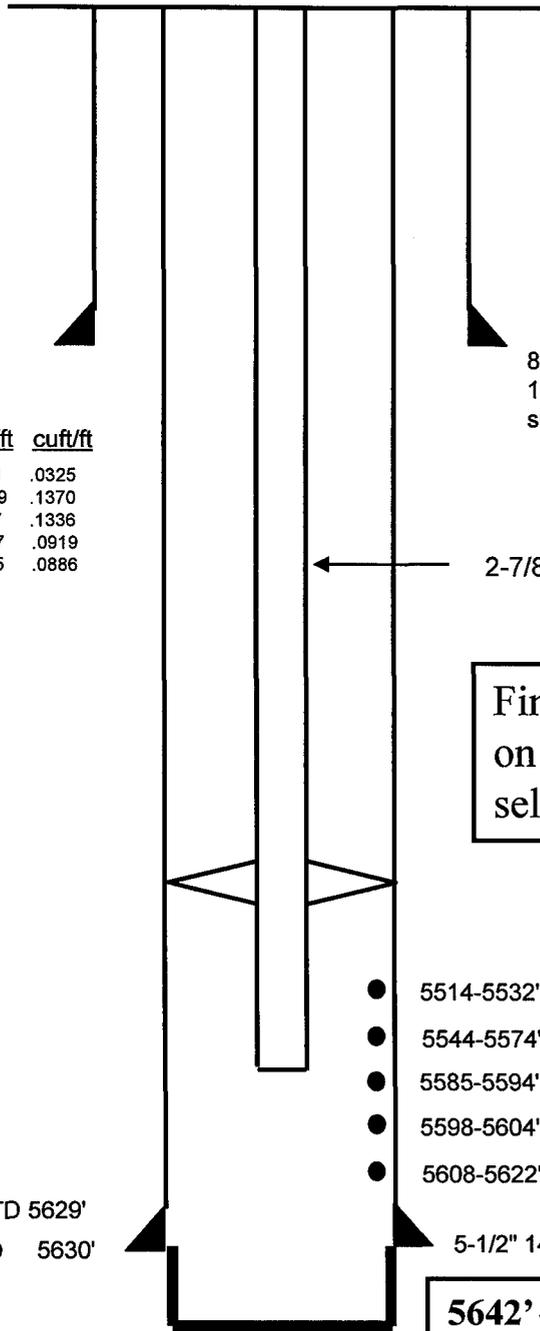
PRODUCER

Attachment 1:
Recompleted Wellbore,
Deepened to DC-II C

Current as of: 8/20/2012 – J. W. Styler

KB 4769'

GL 4757'



8-5/8" 24# K-55 set at 1510' w/ 1000 sx. Circ to surface. Ran 1" pipe down annulus & tag at 105'. Pumped 100 sx cmt to surface.

Capacities:

	<u>bbf/ft</u>	<u>gal/ft</u>	<u>cuft/ft</u>
2-7/8" 6.5#	.00579	.2431	.0325
5-1/2" 14#	.0244	1.0249	.1370
5-1/2" 15.5#	.0238	.9997	.1336
2-7/8x5.5 14#	.0164	.6877	.0919
2-7/8x5.5 15.5#	.0158	.6625	.0886

← 2-7/8" 6.5# J-55 Tubing

Final tubing details will depend on the artificial lift method selected for the well

- 5514-5532' w/1 spf dtd 04/22/77 L. Ismay
- 5544-5574' w/2 spf dtd 04/22/77 DC-I
- 5585-5594' w/2 spf dtd 04/22/77 DC-I
- 5598-5604' w/2 spf dtd 04/22/77 DC-I
- 5608-5622' w/2 spf dtd 04/22/77 DC-IIA

ORIGINAL PBSD 5629'
 ORIGINAL TD 5630'

5-1/2" 14# & 15.5# K-55 set at 5630' w/ 250 sx. Calc TOC at 3930'.

5642' – 5710' DC-II C 4-3/4"
Open Hole Completion

New TD 5740'