

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

12-6-57

-
-
-
-
-
-
-
-
-
-

Converted to water injection well, October, 1962

FILE NOTATIONS

- Entered in NID File
- Entered On S R Sheet
- Location Map Pinned
- Card Indexed
- IWR for State or Fee Land

- Checked by Chief
- Copy NID to Field Office
- Approval Letter
- Disapproval Letter

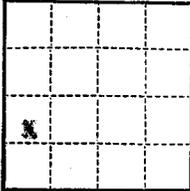
COMPLETION DATA:

Date Well Completed 12-6-57
 OW WW _____ TA _____
 GW _____ OS _____ PA _____

Location Inspected _____
 Bond released State of Fee Land _____

LOGS FILED

Driller's Log 12-31-57
 Electric Logs (No. 1 2)
 E _____ I _____ E-I GR _____ GR-N Micro _____
 Lat _____ Mi-L _____ Sonic _____ Others _____



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency

Window Rock

Allottee Navajo

Lease No. 14-20-603-372

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

17 October, 19 57

Well No. C-6 Navajo is located 2100 ft. from $\left\{ \begin{matrix} N \\ S \end{matrix} \right\}$ line and 820 ft. from $\left\{ \begin{matrix} E \\ W \end{matrix} \right\}$ line of sec. 5

NV SW Sec 5 41 S 25 E 91EM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

McElroy Creek San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~datum~~ unadjusted above sea level is 6791 ft.

DETAILS OF WORK

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

Propose to drill well to test Paradox Line at approximately 5800'.
Will set approximately 1450' of 10-3/8" casing for surface pipe.
Will set 7" casing through any commercial production encountered.

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

Company THE SUPERIOR OIL CO.

Address Box 276

Cortez, Colo.

By L. Baurantini

Title Pet. Engr.

Company THE SUPERIOR OIL COMPANY

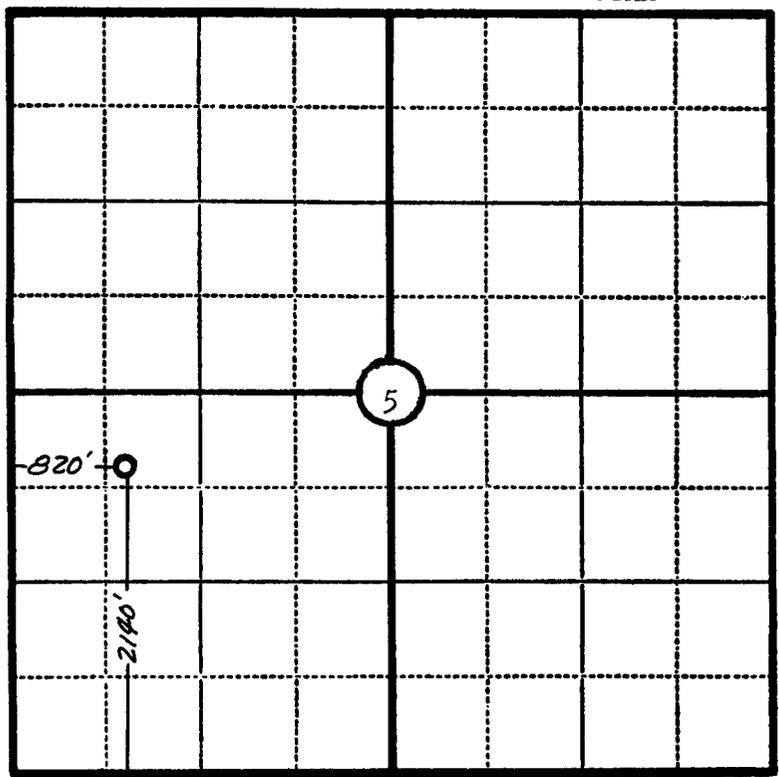
Lease NAVAJO " C " Well No.

Sec. 5, T. 41 S., R. 25 E., S.L.M.

Location 2140' Feet from the South Line and 820' Feet from the West Line.

Elevation 4790.8 Ungraded
T.B.M. " X " in Sandstone Edge 200' North east of location
Elevation 4783.40

SAN JUAN COUNTY UTAH



Scale—4 inches equal 1 mile.

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

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

Surveyed 10 July, 1957.

X		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency _____
Window Rock
Allottee Navajo
Lease No. 14-20-602-372

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

17 October, 1957

Well No. ^{C-6} Navajo is located 2140 ft. from $\begin{matrix} N \\ S \end{matrix}$ line and 820 ft. from $\begin{matrix} E \\ W \end{matrix}$ line of sec. 5

NW SW Sec 5 (4 Sec. and Sec. No.) 41 S (Twp.) 25 E (Range) S1EM (Meridian)
McRino Creek (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation of the ~~casings~~ ^{upper ground} above sea level is 4791 ft.

DETAILS OF WORK

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

Propose to drill well to test Paradox Line at approximately 3800'.
Will set approximately 1450' of 10-3/4" casing for surface pipe.
Will set 7" casing through any commercial production encountered.

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

Company THE SUPERIOR OIL CO.

Address Box 276

Cortez, Colo.

By G. Barwantine

Title Pet. Engr.

Company THE SUPERIOR OIL COMPANY

Lease NAVAJO " G " Well No. _____

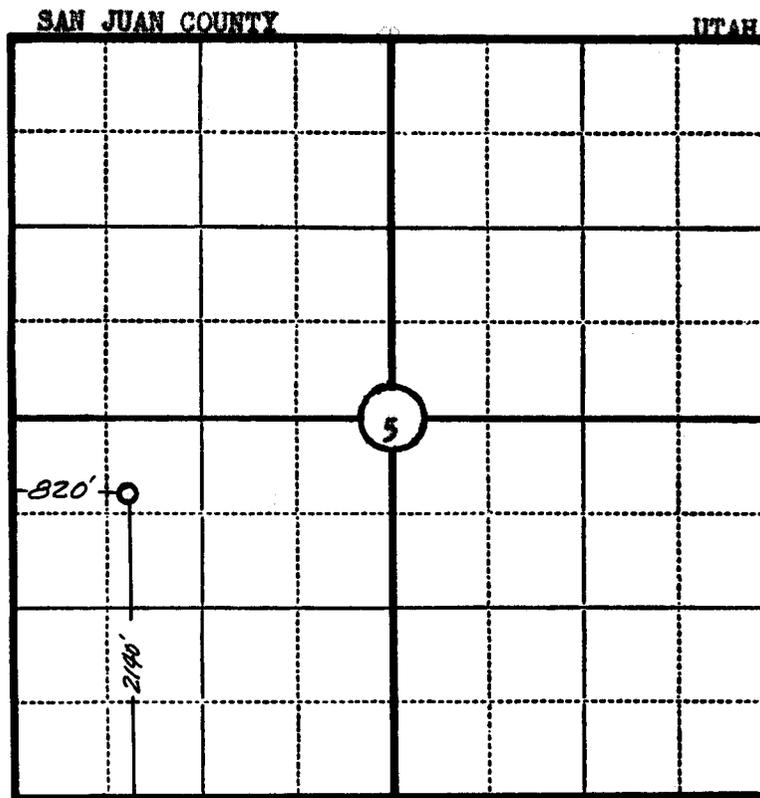
Sec. 5, T. 41 S., R. 25 E., S. L. M.

Location 2140' Feet from the South Line and 820'
Feet from the West Line

Elevation 4790.8 Ungraded

T.E.M. " X " in Sandstone Edge 200' North east of location

Elevation 4783.40



Scale—4 inches equal 1 mile.

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

James P. Leese

Seal:

Registered Land Surveyor.

James P. Leese
Utah Reg. No. 1472

Surveyed 10 July, 1957.

October 18, 1957

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

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo C-6, which is to be located 2140 feet from the south line and 820 feet from the west line of Section 5, Township 41 South, Range 25 East, S11M, San Juan County, Utah.

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLTON B. FEIGHT
SECRETARY

CBF:en

cc: Phil McGrath
USGS, Farmington,
New Mexico

DR-USGS

(SUBMIT IN TRIPLICATE)

Indian Agency _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Window Rock

Allottee Navajo

Lease No. 14-20-603-372

X			

71-H
3-17

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

5 December, 1957

Well No. Navajo C-6 is located 2160 ft. from XXX line and 840 ft. from XXX line of sec. 5

N 34 Sec 5 T 41 S R 25 E Utah
(34 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

(Field) (County or Subdivision) (State or Territory)

The elevation of the Kelly Bushing above sea level is 4801 ft.

DETAILS OF WORK

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

Spudded: 25 Oct 1957

Completed: 2 Dec 1957

T.D. 5830' P.B.T.D. 5786'

Casing: 10-3/4" surface casing set @ 1460' with 800 saz. Cement circulated to surface.
7" production string set @ 5830' with 900 saz. Pumped plugs down with final pressure 1600 lbs.

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

Company The Superior Oil Co.

Address Box 276
Cortez, Colorado

By G. Bannantue

Title Pet. Eng.

W

FEB 18 1958

Perforations: From 5592 - 5622, 5708 - 5728
5646 - 5666, 5733 - 5744
5691 - 5703
With 6 jets per foot

D.S.T. None

Acid Job #1: (See above perforations)
Washed 1000 gals. mud acid by perforations through 2-1/2" tubing, hung to 5744. Set packer and displaced acid away.

Acid Job #2: (As above)
Dowell acidized with 10,000 gals. Gel-X-100 retarded acid. Cleaned perfs. with 5 bbls. salt water. Maximum pressure 3250/1500 lbs. Minimum pressure 2000/1500lbs.

Production Tests: (5 December 1957)
Flowed 94.35 bbls in 5 hrs. 19/64" choke, 300lb tubing pressure, grav. 39.5^c, cut 15% load salt water and acid water. Flow rate 18.87 B.P.H. or 452.88 B.P.D.

Schlumberger Tops:

DeChelly	2715	(+ 2086)
Oregon Rock	2830	(+ 1971)
Hermosa	4592	(+ 209)
Upper BB	5458	(- 657)
Paradox Sh.	5582	(- 781)
Lower BB	5588	(- 787)
Chimney Rock	5775	(- 974)

120

U. S. LAND OFFICE Window Rock

SERIAL NUMBER 14-20-603-372

LEASE OR PERMIT TO PROSPECT Navajo

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Handwritten notes:
No. 1
No. 2
1-3-58

LOG OF OIL OR GAS WELL

Company The Superior Oil Company Address Box 276, Cortez, Colorado
 Lessor or Tract Navajo 'C' Field McElmo Creek State Utah
 Well No. C-6 Sec. 5 T. 41SR. 25E Meridian SLBM County San Juan
 Location 2140 ft. N. of S Line and 840 ft. E. of W Line of Sec. 5 Elevation 4801 KB
(Derrick floor relative to sea level)

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

Signed G. Bannantine

Date December 17, 1957 Title Petroleum Engineer

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

Commenced drilling October 25, 1957 Finished drilling December 6, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5458 to 5582 No. 4, from _____ to _____
 No. 2, from 5588 to 5775 No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From--	To--	
10-3/4	32.75								
	640.50	8RD	Spang	1460'	Float				Surface
7"	205.23	8RD	Spang	5830'	Float		5592	5622	Production
							5646	5666	
							5691	5703	
							5708	5728	
							5733	5744	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	1460'	800	Circulated to surface.		
7"	5830'	900	Pump & Plug.		

PLUGS AND ADAPTERS

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

SHOOTING RECORD

FOLD | MARK

FOLD MARK

Casing	10-3/4	1460'	800	Circulated to surface.	
	7"	5830'	900	Pump & Plug.	

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to 5830 feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

~~October 25~~, 19 ~~57~~ Put to producing ~~December 6~~, 19 ~~57~~
 The production for the first 24 hours was ~~523.68~~ barrels of fluid of which ~~98.4~~% was oil; _____%
 emulsion; ~~1~~% water; and ~~.6~~% sediment. Gravity, °Bé. ~~40.2~~
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Formation Tops:			
			De Chelly 2715'
			Organ Rock 2830'
			Hermosa 4592'
			Upper Boundary Butte 5458'
			Paradox Shale 5582' (-781')
			Lower Boundary Butte 5588' (-787')
			Chimney Rock 5775' (-974')
			Total Depth 5830'

W

Copy H.L.C.
(SUBMIT IN TRIPLICATE)

	5	
X		

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

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Sup NAV C-6 (013-5)

October 9, 1962

McElmo Creek Unit
 Well No. **N-15** is located **2140** ft. from **N** line and **840** ft. from **W** line of sec. **5**

NW SW Sec. 5 **41S** **25E** **SLB&M**
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Greater Aneth **San Juan** **Utah**
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **4801** ft. K.B.

DETAILS OF WORK

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

9-25-62: **Ran Baker Model N 7" Production packer to 5536', set w/15,000# on 2 1/2" C. S. Hydril cement lined tubing.**

Filled annulus w/crude & pressured casing to 500# - Pkr held O.K.

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

Company **The Superior Oil Company**

Address **P. O. Drawer 'G'**
Cortez, Colorado

Original Signed By
D. D. KINGMAN
 By **D. D. Kingman**
 Title **Engineer**

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek Unit

8. FARM OR LEASE NAME

McElmo Creek Unit

9. WELL NO.

MCU Well #N-15

10. FIELD AND POOL, OR WILDCAT

McElmo Creek Field

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

NW SW Sec. 5, T41S, R25E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1.

OIL WELL GAS WELL OTHER Water Injection Well

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

2140' FSL & 840' FWL, Section 5, T41S, R25E

14. PERMIT NO.

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

4801' KB

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Notice of Intention:

To squeeze all perfs, 5592-5744'.

Perforate 5690-94' with 2 jets/ft, acidize and squeeze with 100 sacks Regular Class 'C' Cement, and then drill out to 5755'.

Perforate 5592-5620', 5646-66' with 1 jet/ft. Treat with 500 gal. 28% acid and frac with 10,000 gallons water. Treat with 15,000 gal. 28% acid in 3 equal stages with 500 gal. salt plugs between stages.

Perforate 5697-5726' and 5731-44' with 1 jet/ft and break down with 500 gal. 28% acid. Respot packer and treat perfs 5697-5744' with 6000 gal 28% acid in 2 equal stages with 750 gal. salt plug between stages.

Run 2-1/2" cement lined tubing with Baker downhole flow regulator set at 5715'. Set packer at 5675', Baker ported nipple at 5615' and compression packer at 5550'.

Return well to metered injection.

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

SIGNED

D. D. Kingman

TITLE

District Engineer

DATE 9/10/69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

OGC/nh

cc: Franques, Broussard, State 2, USGS 4, file

PI

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek Unit

8. FARM OR LEASE NAME

McElmo Creek Unit

9. WELL NO.

MCU #N-15

10. FIELD AND POOL, OR WILDCAT

McElmo Creek Field

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

NW/4 SW/4 Sec 5, T41S, R25E

12. COUNTY OR PARISH 13. STATE

San Juan Cty. Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.

OIL WELL GAS WELL OTHER

Water Injection Well

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

2140' FSL & 840' SWL, Section 5, T41S, R25E

14. PERMIT NO.

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

4801' KB

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

- 11/4/69 Squeezed all perms with 322 sacks Reg. Class 'C' Cement.
- 11/6/69 Drilled 5499-5700'. Perf'd 5690-94' with 2 jets/ft. Treated with 400 gal 28% acid and squeezed with 52 sacks cement.
- 11/8/69 Drilled out 5516-5755'.
- 11/10/69 Perf'd Zone 1 5592-5620' & 5646-66' with 1 jet/ft. Broke down with 500 gal 28% acid.
- 11/11/69 Frac with 10,000 gal water. Treated with 15,000 gal 28% acid in 3 equal stages, salt plugs between stages and flushed with water. Perf'd 5697-5726' and 5731-44' with 1 jet/ft.
- 11/12/69 Treated with 500 gal 28% acid. Tested and found communication. Put well back on injection.
- 11/20/69 Set BP @ 5685' & squeezed Zone 1 perms 5592-5666' w/600 sacks cement.
- 11/22/69 Drilled out 5490-5685'.
- 11/24/69 Perf'd 5682-90 with 2 jets/ft. Treated with 400 gal 28% acid. Squeezed with 41 sacks cement.
- 11/25/69 Drilled out 5545-5755'.
- 11/26/69 Perf'd 5592-5620', 5646-63' with 1 jet/ft. Treated with 10,000 gal 28% acid.
- 11/28/69 Perf'd 5697-5726, 5731-44' with 1 jet/ft.
- 11/29/69 Ran injection equipment. Set packer at 5521'. Now injecting into all Zones commingled.

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

SIGNED

D. D. Kingman

TITLE

District Engineer

DATE 1/7/70

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OGC/njh

*See Instructions on Reverse Side

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R1424.

6. 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 #N-15

10. FIELD AND POOL, OR WILDCAT

McElmo Creek Field

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

NW SW Sec. 5, T41S, R25E

12. COUNTY OR PARISH 18. STATE

San Juan

Utah

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

1. OIL WELL GAS WELL OTHER **Water Injection Well**

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

2140' FSL & 840' FWL, Section 5, T41S, R25E SLM

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, OR, etc.)
4802' KB

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

7/19/73 Treated all Desert Creek perfs 5592-5744' with 4000 gals 28% acid in two equal stages. Preceded 1st stage with 750 gals Salt Benzoic Acid plug. Preceded 2nd stage with 1000 gals Salt Benzoic Acid plug. Max. pressure 2900 psi. Returned well to injection.

Injection prior to stimulation - 1300 BWPD
Injection subsequent to stimulation - 2661 BWPD

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

SIGNED

D. D. Kingman
D. D. Kingman

TITLE

District Engineer

DATE

8/9/73

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OGC/njh

*See Instructions on Reverse Side

cc: USGS 4, State 2, Franques, Mosley, Hurlbut, WIO, File

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

W1
12

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME
MCELMO CREEK

8. FARM OR LEASE NAME
MCELMO CREEK

9. WELL NO.
N-15 (Navajo C-6)

10. FIELD AND POOL, OR WILDCAT
GREATER ANETH

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

Sec. 5, T41S, R25E, SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

RECEIVED

OCT 04 1985

DIVISION OF OIL
GAS & MINING

OIL WELL GAS WELL OTHER CATHODIC PROTECTION

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

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

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

2140' NSL, 840' FWL

14. PERMIT NO.
43-037-16363

15. ELEVATIONS (Show whether DF, ST, OR, etc.)
4801' GL

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

NOTICE OF INTENTION TO:

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

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

Construct Cathodic Protection System

SUBSEQUENT REPORT OF:

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

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

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 the U. S. Dept. of the Interior, Bureau of Indian Affairs dated June 18, 1982, per BIA DCA-82-120.

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

SIGNED Chyd J. Benally
C. J. Benally

TITLE Sr. Regulatory Coordinator

DATE 9/27/85

(This space for Federal or State office use)

APPROVED BY Dean B Feight

TITLE UIC Manager

DATE 10-8-85

*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,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

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

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWN	RNG	S T		FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
							WELL TYPE	API NUMBER			
MC ELMO CREEK	N-11 ✓	SAN JUAN	UT	NW	SE	32-40S-25E	INJ	OP 43-037-15965	14-20-603-372		96-004190
	N-13 ✓	SAN JUAN	UT	NW	NW	05-41S-25E	INJ	OP 43-037-15966	14-20-603-372		96-004190
	N-15 ✓	SAN JUAN	UT	SW	NW	05-41S-25E	INJ	OP 43-037-05671	14-20-603-372		96-004190
	N-17 ✓	SAN JUAN	UT	NW	NW	08-41S-25E	INJ	OP 43-037-05597	14-20-603-263		96-004190
	N-19 ✓	SAN JUAN	UT	NW	SW	08-41S-25E	INJ	OP 43-037-05540	14-20-603-263		96-004190
	N-21 ✓	SAN JUAN	UT	NW	NW	17-41S-25E	INJ	OP 43-037-05492	14-20-603-263		96-004190
	N-23 ✓	SAN JUAN	UT	NW	SW	17-41S-25E	INJ	OP 43-037-16364	14-20-603-263		96-004190
	O-12 ✓	SAN JUAN	UT	SE	SW	32-40S-25E	INJ	OP 43-037-16371	14-20-603-372		96-004190
	O-14 ✓	SAN JUAN	UT	SE	NW	05-41S-25E	INJ	OP 43-037-16365	14-20-603-372		96-004190
	O-16 ✓	SAN JUAN	UT	SE	SW	05-41S-25E	INJ	OP 43-037-15969	14-20-603-372		96-004190
	O-18 ✓	SAN JUAN	UT	SE	NW	08-41S-25E	INJ	OP 43-037-05585	14-20-603-263		96-004190
	P-07 ✓	SAN JUAN	UT	NW	SE	29-40S-25E	INJ	OP 43-037-05828	I-149-IND-8839-A		96-004190
	P-09 ✓	SAN JUAN	UT	NW	NE	32-40S-25E	INJ	OP 43-037-16367	14-20-603-372		96-004190
	P-11 ✓	SAN JUAN	UT	NW	SE	32-40S-25E	INJ	OP 43-037-15971	14-20-603-372		96-004190
	P-13 ✓	SAN JUAN	UT	NW	NE	05-41S-25E	INJ	OP 43-037-16368	14-20-603-372		96-004190
	P-15 ✓	SAN JUAN	UT	NW	SE	05-41S-25E	INJ	OP 43-037-16340	14-20-603-372		96-004190
	P-17 ✓	SAN JUAN	UT	NW	NE	08-41S-25E	INJ	OP 43-037-15976	14-20-603-263		96-004190
	P-19 ✓	SAN JUAN	UT	NW	SE	08-41S-25E	INJ	OP 43-037-05555	14-20-603-263		96-004190
	P-21 ✓	SAN JUAN	UT	NW	NE	17-41S-25E	INJ	OP 43-037-05487	14-20-603-263		96-004190
	P-23 ✓	SAN JUAN	UT	NW	SE	17-41S-25E	INJ	OP 43-037-16370	14-20-603-263		96-004190
	Q-12 ✓	SAN JUAN	UT	SE	SE	32-40S-25E	INJ	OP 43-037-05720	14-20-603-372		96-004190
	Q-14 ✓	SAN JUAN	UT	SE	NE	05-41S-25E	INJ	OP 43-037-15974	14-20-603-372		96-004190
	Q-16 ✓	SAN JUAN	UT	SE	SE	05-41S-25E	INJ	OP 43-037-15975	14-20-603-372		96-004190
	R-11 ✓	SAN JUAN	UT	NW	SW	33-40S-25E	INJ	SI 43-037-05741	14-20-603-2057		96-004190
	R-11A ✓	SAN JUAN	UT	NW	SW	33-40S-25E	INJ	OP 43-037-39179	14-20-603-2057		96-004190
	R-13 ✓	SAN JUAN	UT	NW	NW	04-41S-25E	INJ	OP 43-037-05709	14-20-603-2057		96-004190
	R-17 ✓	SAN JUAN	UT	NW	NW	09-41S-25E	INJ	OP 43-037-05602	14-20-603-359		96-004190
	R-19 ✓	SAN JUAN	UT	NW	SW	09-41S-25E	INJ	OP 43-037-05554	14-20-603-359		96-004190
	R-21 ✓	SAN JUAN	UT	NW	NW	16-41S-25E	INJ	OP 43-037-16374	14-20-603-359		96-004190
	R-23 ✓	SAN JUAN	UT	NW	SW	16-41S-25E	INJ	OP 43-037-15977	14-20-603-359		96-004190

Completed 1962

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

OPERATOR: MEPNA

FIELD: Greater Aneth LEASE: McElmo Creek

WELL # N-15 (NAV. C6 (C13-5)) SEC. 5 TOWNSHIP 41S RANGE 25E

STATE FED. FEE DEPTH 5830 TYPE WELL INJW MAX. INJ. PRESS. 2800 psi
PBSD 5755 water tracer Log 4/8/86 4000 BWPD

TEST DATE 9/10/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>10 3/4</u>	<u>1460</u>	<u>800 SX</u>	<u>0 #</u>		
<u>INTERMEDIATE</u>					<u>no meter</u>	
<u>PRODUCTION</u>	<u>7"</u>	<u>5830</u>	<u>900 SX</u>	<u>2 #</u>		
<u>TUBING</u>	<u>2 7/8</u>			<u>1800 #</u>		

Baker Log-set 5521

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

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

MC ELMO CREEK UNIT #N-15

WATER INJECTION WELL

2140' FSL, 840' FWL
NW SW Sec. 5, T41S, R25E
San Juan County, UTAH

FIELD: MC ELMO CREEK

KB: 4801' DF: 4800' GL: 4791' TD: 5830' PBTD: 5755' TLD: 9.50'

SPUDED: 10-25-57 COMPLETED: 12-6-57
TOC: 3077', 4614' (temp)

INJECTION ZONE: Desert Creek Zones 1, 2

PERFS: Zone 1 5592-5620', 5646-63' (1 Jet/ft.)
Zone 2 5697-5726', 5731-44' (1 Jet/ft.)

CASING: 10-3/4" R-3 3R ST&C w/800 Sx: 28 Jts. 32.75# H-40 1126'
8 Jts. 40.50# J-55 1460'
7" J-55 2R w/900 Sx: 3 Jts. 23# R-1 & 3 LT&C 85'
101 Jts. 20# R-3 ST&C 4199'
38 Jts. 23# R-3 LT&C 5830'

TUBING: 2-7/8" 6.5# J-55 8R EUE w/Plasticap 600 Liner. 5526'

PACKERS: Baker Lok-set @ 5521'.

PMPG. EQUIP: Injection Equipment

REMARKS:

WELL HEAD: 6" Ser. 600 OCT Type T-16.

12-4-57 Perf'd 5592-5622', 5646-66', 5691-5703', 5708-28', 5733-44'.
Treated w/10,000 gal. Gel-X-100. Final & min. pressure 2000#.
5 Min. SIP 0#.

9-25-62 Converted to water injection.

11/4-28/69 Squeezed all perfs. Perf'd 5690-94', treated, squeezed. Perf'd
5592-5620', 5646-66', fractured, treated w/15,000 gal. 28% acid.
Final pressure 3600#, ISIP 1200#. Perf'd 5697-5726', 5731-44',
treated, well placed on injection. Squeezed perfs 5592-5666',
perf'd 5682-90', treated, squeezed. Perf'd 5592-5620', 5646-63',
treated w/10,000 gal. 28% acid. Final pressure 1300#, ISIP 1100#.
Perf'd 5697-5726', 5731-44', comm. w/Zone 1.

7-19-73 Treated all perfs w/4000 gal 28% acid. Max & final pressure 2850#,
ISIP 2500#.

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Superior Well No. McElmo Creek Unit N15
 County: San Juan T 41S R 25E Sec. 5 API# 43-037-16363
 New Well Conversion Disposal Well Enhanced Recovery Well

	<u>YES</u>	<u>NO</u>
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fracture Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pressure and Rate Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adequate Geologic Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Fluid Source Desert Creek - Jersey
 Analysis of Injection Fluid Yes No TDS 60,000+
 Analysis of Water in Formation to be injected into Yes No TDS 70,000+

Known USDW in area Morajo-Chinle Depth 1300
 Number of wells in area of review 12 Prod. 5 P&A 0
 Water 0 Inj. 12

Aquifer Exemption Yes NA
 Mechanical Integrity Test Yes No
 Date 10-19-84 Type Water Tracer Log

Comments: _____

Reviewed by: 

INITIAL WELL TEST

McELMO CREEK UNIT # N-15

DATE October 25, 1957

OIL BBL/DAY 509

OIL GRAVITY 40.2

GAS CU.FT/DAY _____

GAS-OIL RATIO CU/FT/BBL _____

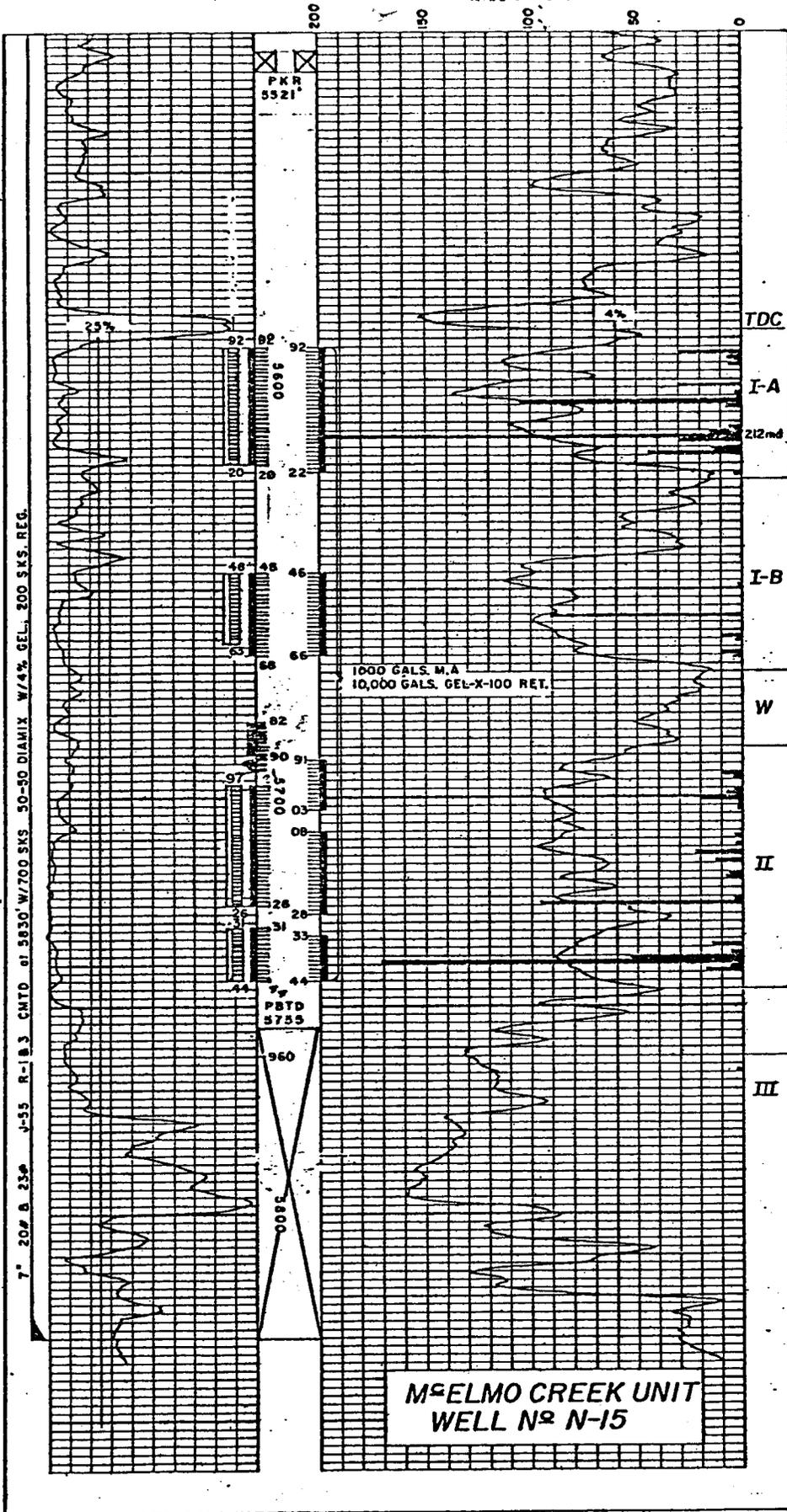
WATER BBL/DAY 14

PUMPING/FLOWING F

CHOKE SIZE 20/64

FLOW TUBING PRESSURE 525

- PERMEABILITY -
MILLIDARCY



11-4-69: Squeezed all perf's W/322 sks
cmt. drid out to 5700', perfed 5690-94
Treated W/400 gals 28% acid.
Squeezed w/52 sks cmt.
Drid out to 5755'

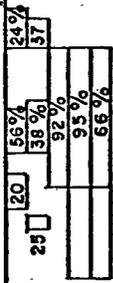
Perfd 5592-5620, 564-66 Treated
W/15,500 Gal 28% acid

Perfd 5697-5726, 5731-44,
Treated W/5000 Gal 28% acid.

Squeezed perfs 5592-5666 W/600 Sk.
Drilled out to 5685. Perfd 5682-90.
Treated W/400 gal 28% acid. Block
Squeezed W/41 Sk.

Drilled out to 5755 (PBD)
Perfd 5592-5620, 5646-63 Treated
W/10,000 gal 28% acid.

Perfd 5697-5726, 5731-44
Comingled inj.



5762

FLOWMETER 10-29-63 6192 BPD
" 8-13-69 1975 BPD
R A TRACER 8-17-70 2657 BPD
SCHL R A Val log 7-1-73 1592 BPD (Prob. in error)
GO R A Tracer-temp. 8-8-75 3763 BPD

McELMO CREEK UNIT
WELL No. N-15

McELMO CREEK UNIT
THE SUPERIOR OIL CO. OPERATOR
NW SW SEC. 5, T41 S, R25 E.
SAN JUAN COUNTY, UTAH.
FILEV 4802' K.R. TD. 5830'

REV: 1-9-70

McElmo Creek Unit

ATTACHMENT I

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

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

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

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

- (5) (i) A throttling valve is installed on the wellhead to control injection rates and pressures.
- (ii) The source of injection water is Superior's production wells within the McElmo Creek Unit. The wells produce from the Ismay and Desert Creek formations with approximate depths of 5300' and 5460' respectively.
- (iii) The analysis of injection water is as follows: (as parts per million).
 - PH: 6.5
 - Ca: 13770 ppm
 - S04: 25 ppm
 - CL: 16700 ppm
 - Mg: 11421 ppm
 - H2S: 30 ppm
 - Fe: 3 ppm
 - HCO3: 109.8 ppm
 - So: -
 - CaCO3: 18470 ppm
 - CO3: -
 - Specific Gravity: 1.0553

McElmo Creek Unit

(5) Cont.

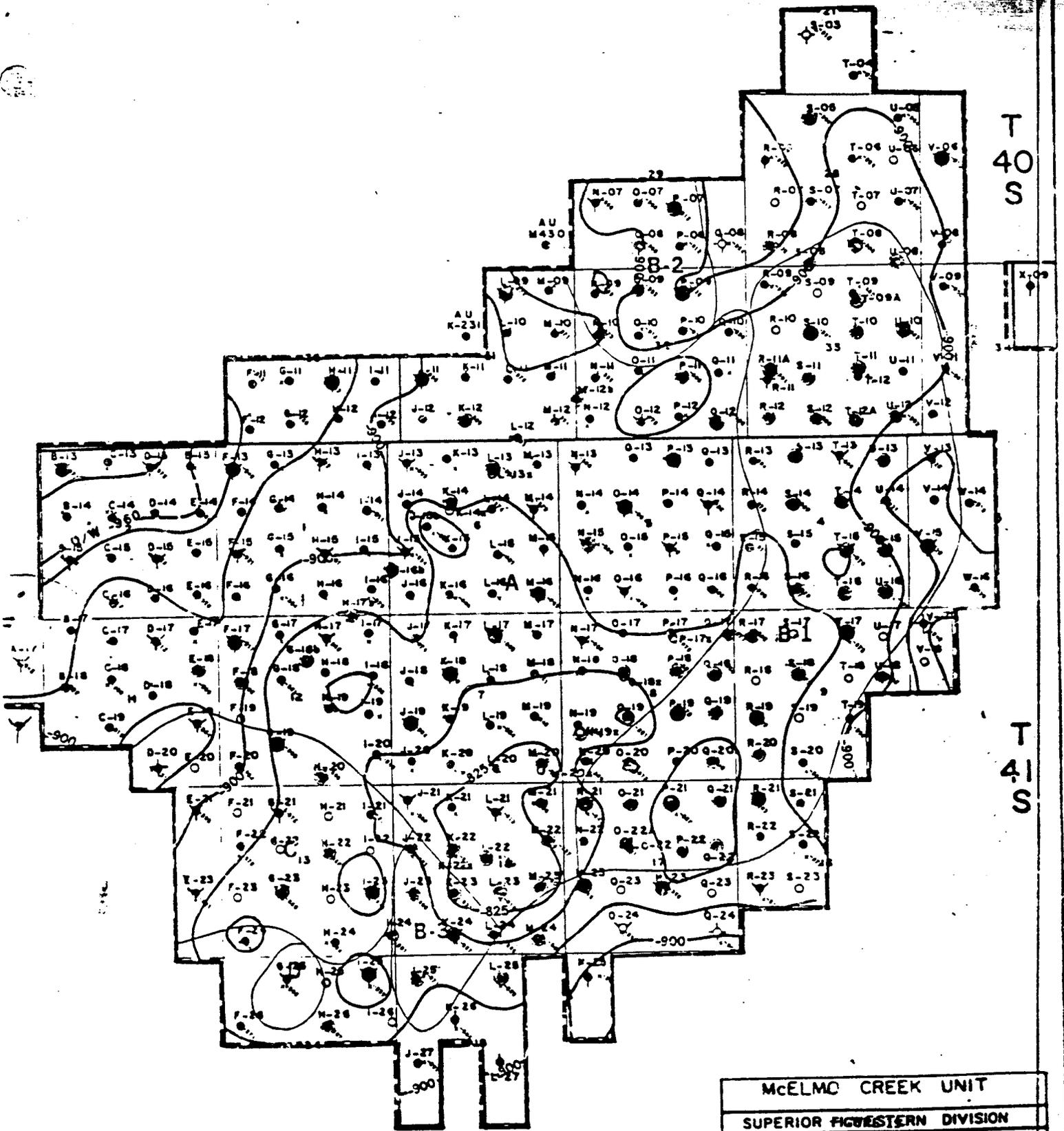
- (iv) The injection zones are the Ismay and Desert Creek formations. Both zones are carbonate formations consisting of limestone, anhydrite and dolomite. The formations extend throughout the Paradox Basin and are underlain by the Chimney Rock Shale and are overlain by the Hermosa Limestone.
- (v) Fresh water zones (Morrison, Bluff, Entrada) range from 0 to 1300' with Entrada being the deepest and somewhat saline.
- (vi) The analysis of formation water (Desert Creek) is as follows: (as parts per million).
- | | | |
|------------------|----------------|--------------------------|
| PH: 6.6 | Ca: 17410 ppm | SO4: 33 ppm |
| CL: 34800 ppm | Mg: 11518 ppm | H2S: 10 ppm |
| Fe: 1.5 ppm | HCO3: 48.8 ppm | Ba: - |
| CaCO3: 22150 ppm | CO3: - | Specific Gravity: 1.0902 |
- (6) To assure that injection is confined to intervals intended to receive the disposed water, wireline diagnostic surveys are run periodically to determine whether any escapement is taking place. If such information is discovered, the disposal well will be shut-in until proper measure can be taken. Casing pressure readings are made regularly to verify that no tubing or packer leaks have developed. If such leaks develop, the well will be shut-in until proper repairs can be made.
- (7) N/A.
- (8) The Division will be notified of the date and time to monitor the mechanical integrity test.
- (9) N/A.
- (10) N/A.

R24E

R25E

T 40 S

T 41 S



LEGEND

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

O/W CONTACT -960



McELMO CREEK UNIT	
SUPERIOR WESTERN DIVISION	
McELMO CREEK UNIT	
SAN JUAN COUNTY, UTAH	
SUPERIOR WESTERN DIVISION	
STRUCTURE II	
BY: TOP OF	
McELMO CREEK LINE DRIVE, DEN	
DATE: 4-14-70	
DRAWING NO.	
BY:	SCALE:
DATE:	C.I.: 25ft.
CHECKED:	DRAWN BY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBE

7. If Unit or CA, Agreement Designation

MCELMO CREEK

8. Well Name and No.

N-15

9. API Well No. 10363

43-037-05671

10. Field and Pool, or Exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN, UTAH

SUBMIT IN TRIPLICATE

RECEIVED
AUG 06 1990

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

2. Name of Operator
MOBIL OIL CORPORATION

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2140 FSL, 840 FWL, SEC 5, T41S, R25E

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

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

CONVERSION TO CO₂

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

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

- 7-10-90 MIRU POH W/TBG & PKR
- 7-11-90 DRILL & CIRC TO FILL . SET CMT RET. @5755'
- 7-12-90 SQZ W/50sx "B" CMT.S.C. ZONE II. TEST W/3000 PSI/GOOD SET PKR TO TEST CSG. 1000 PSI/OK
- 7-13-90 ACDZ D.C. ZONE I PERFS W/4500 GALS 15% HCL & 2000 DIVERTER. INSTALL NEW TBG HEAD. PRESS. TEST T01500 PSI/HELD/OK
- 7-14-90 SET PKR @5522' PRESS. TEST CSG 1000 PSI/HELD/OK RDMO
CONVERSION MADE FOR CO₂ INJECTION.

OIL AND GAS	
DFN	RJF
JFB	GLH
DIS	SLS
2-DME ✓	
2-DJJ ✓	
MICROFILM	
4	FILE

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

Signed Shuley Dood (915)688-2585 Title _____

Date 8-1-90

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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

*See instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED
NOV 1 1990

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

6. If Indian, Allottee or Tribe Name
Navajo Tribal

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

8. Well Name and No.

N-15

9. API Well No.

43-037-16363

10. Field and Pool, or Exploratory Area

Greater Aneth

11. County or Parish, State

San Juan, Ut

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

2. Name of Operator
MOBIL OIL CORPORATION

3. Address and Telephone No. % MOBIL EXPLORATION & PRODUCING U.S. INC.
P.O. BOX 633, MIDLAND, TX 79702

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

2140' FSL, 840 FWL SEC 5, T41S, R25E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	Conversion to CO2

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

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

10-10-90 MIRU BLOW WELL DOWN TO PIT (CO2 & WTR)
10-15-90 POOH w/TBG & PKR.
10-16-90 RIH w/PROD TBG . SET PKR @ 5523' PRES TEST CSG TO 1000#PSI/HELD/OK
30 MIN. RDMO

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

Signed Shirley Joda (915) 688-2585

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

Title

Date 10-26-90

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title

Date

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

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

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

8. Well Name and No.
N-15

9. API Well No.
43-037-05671 16363

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other INJECTION

2. Name of Operator
MOBIL OIL CORPORATION

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SW NW SEC 5, T41S, R25E
Sec 5 T41S R25E

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

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

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

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

SEE ATTACHMENT

RECEIVED

JAN 03 1994

DIVISION OF
OIL, GAS & MINING

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

DATE: 1-5-94
BY: J. Matthews

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

Signed S. Bouyer for SHIRLEY TODD Title ENVIR & REG. TECH Date 12/29/93

(This space for Federal or State office use)

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

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

McElmo Creek Unit N-15
Workover Procedure

1. Dig, line and fence a 100+ bbl earth pit. MIRU coiled tubing unit with 1-1/4" coiled tubing. MI Standby Safety Services (303/565-6391) having 5 Scott 30 minute airpicks, five minute escape packs for all coiled tubing/acid stimulation crew, personal H2S monitors for all personnel on location, and one safety man. Acid stimulation company to provide eye wash station. Hook up coiled tubing to water injection line. Lay flow line from wing valve to a choke manifold having two adjustable chokes. Lay flowline from choke manifold to earth pit. Stake and chain flowline down. PT coiled tubing to 6000 psi using injection water.
2. RIH with 1-1/4" coiled tubing with perforation wash nozzle and CO to FBTD at 5686' using injection water at maximum circulating rate at maximum circulating pressure of 5000 psi. If unable to CO fill using injection water, attempt to clean out fill using 10 bbl of 15 percent HCL acid containing 2 gals/mgals corrosion inhibitor, and 10 lbs/mgals iron sequestering agent, neutralizing any unspent acid that returns to pit. If unsuccessful in cleaning well out, POH, RIH with 1-3/4" dynadrill on 1-1/4" coiled tubing and drill out fill. POH.
3. MIRU wireline unit with lubricator. RIH with 1-11/16" GR/CCL and log from FBTD through injection packer. POH. Turn off all radios/cellular telephones on location and post warning signs for radio/cellular telephone silence at all roads within 100 yards of location. RIH with 1-11/16" magnetically decentralized hollow steel carrier perforating guns loaded with 3.2 gram RDX charges at 4 SPF, 0 degree phasing and perforate 5640'-5668' and 5590'-5620'. POH. RDMO wireline.
4. RU coiled tubing. Pickle coiled tubing with 3 bbls of 15 percent HCL acid, reverse out to pit and neutralize. RIH with 1-1/4" coiled tubing with perforation wash nozzle and spot 5 bbls of xylene across perforations. Let soak for 1 hour. Displace with fresh water. Wash perforations without taking returns using 2 bbls/ft of 15 percent HCL acid. NOTE: All acid pumped into well to contain 2 gals/mgals corrosion inhibitor, and 10 lbs/mgals iron sequestering agent. Pump rate should be maximum injection rate at 5000 psi surface injection pressure. Overdisplace acid using fresh water. POH. RDMO coiled tubing unit and all surface equipment.
5. Pump out and backfill pit. Turn well over to production leaving well shut in.

MOBIL OIL CO

Downhole
Service
Center, Inc.

100 Sandstone Ave

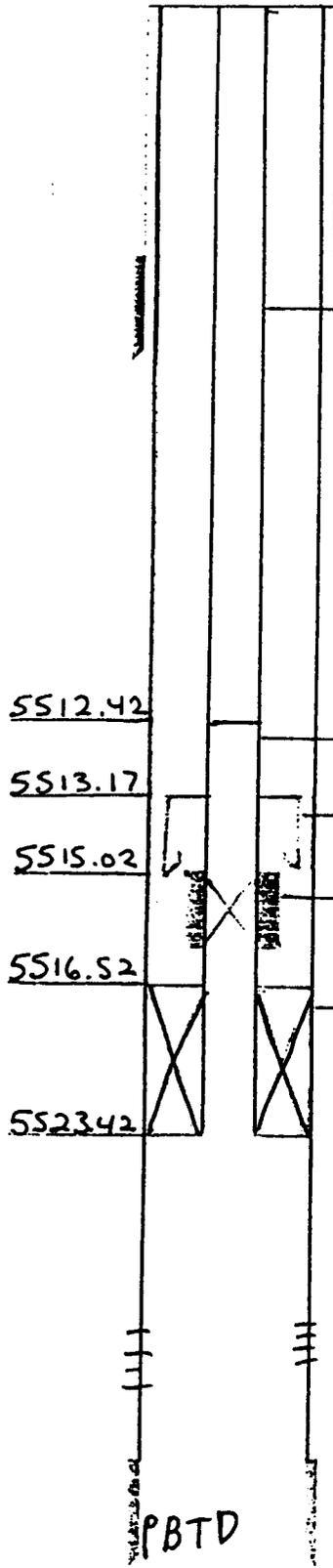
505-327-5449 Office

Farmington, New Me.

DATE 10/15/90

WELL NO. N-15

LEASE McELMO CREEK KB 10.0



	2 7/8 TBG	= .005794	BBL/F
	7" 23# CSG	= .03936	BBL/F
	2 7/8 x 7" ANNULAR	= .03133	BBL/F
	2 7/8 TBG	= 32.00	BBL
	2 7/8 x 7" ANNULAR	= 173.05	BBL
	VOLUME TO PACKER: 205.05 BBL		
	173 JTS OF 2 7/8 EU		
	CEMENT LINED TBG	5502	42
	THREADS COATED IN		
	BAKER SUPER 8		
			10/15
			PICKED UP TOOLS. R. I. H.
			W/ 173 JTS OF 2 7/8 EU
			CEMENT LINED TBG. SET
			BAKER INVERTED LOK-SET
			PKR IN 15,000#V COMPRESSIO
			PUMPED OUT PLUG. GOT
			OFF HEL. STRIPPED OFF
			B.O.P.S. MADE UP TREE
			E WEAP AROUND.
5512.42			CLOSED WELL IN FOR
5513.17	2 7/8 x 2 3/8 X-OVER		75
	316 SS		
	3 3/4 x 2 3/8 x 1.81" F HEL	1	85
5515.02	ONE OFF TOOL 316 SS		
	MODEL "B" SHUT-OFF	1	50
	VALVE 925 INCONEL		
5516.52			10/16,
			PUMPED PKR FLUID
			FLANGED UP WELL HEAD
			TESTED WELL TO 1000 PSI
			FOR 30 MINUTES.
5523.42	7" BAKER INVERTED	6	90
	LOK-SET PKR W/		
	6 PE SYSTEM		
	925 INCONEL		
	TOTAL TBG & TOOLS	5513	42
	KB ADJUSTMENT	5523	42
	PERFS 5592-5620'		
	5646-5663'		
	HOOKEAD	41,426 [#]	HOLE DRY
		37,283 [#]	HOLE FULL

PBTD
5686'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

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

8. Well Name and No.
MCELMO CREEK UN N-15

9. API Well No.
43-037-08671 16262

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

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

3. Address and Telephone No.

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

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

2140' FSL, 820' FWL; SEC. 5, T41S, R25E

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

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

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

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

05/15/94 MIRU. PERF 7" CSG W/6 JSPF FROM 5668-40', 5320-5590'. RDMO.

MAY 27 1994

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

Signed Shelby Dodd Title ENV. & REG. TECHNICIAN Date 05/23/94

(This space for Federal or State office use)

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

Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

SUBMIT IN TRIPPLICATE

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
MCELMO CREEK UN N-15

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

9. API Well No.
43-037-05671 16263

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2140' FSL, 820' FWL; SEC. 5, T41S, R25E

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

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

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

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

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

05/23/94 MIRU. SPOT 5 BBLs XYLENE ACROSS PERFS 5640-68' AND 5590-5620'. LET SOAK ONE HOUR. ACIDIZE PERFS W/116 BBLs 15% HCL + ADDITIVES. FLUSH & OVERFLUSH W/50 BBLs F/WTR. RDMO. OPEN WELL TO INJ.

[Handwritten signature]
N - 6354

14. I hereby certify that the foregoing is true and correct
Signed *D. Irvine for Shirley Todd* Title ENV. & REG. TECHNICIAN Date 06/02/94

(This space for Federal or State office use)
Approved by _____ Title _____ Date *tax credit*
Conditions of approval, if any: *8/8/94*

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

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1- LJC	7-PL ✓
2-LWP	8-SJ ✓
3- DB	9-FILE ✓
4-VLC	
5-RJF	✓
6-LWP	✓

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

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

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

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

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

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

Name: <u>** SEE ATTACHED **</u>	API: <u>037-16363</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

- 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).
- 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!*

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date _____ 1995. If yes, division response was made by letter dated _____ 1995.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 1995, 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.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- 1. All attachments to this form have been microfilmed. Date: October 4 1995.

FILING

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

COMMENTS

950803 LLC F5/Not necessary!

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

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

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

Other
OPER NM CHG _____

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

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

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

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

4. Highlights of Conversation: _____

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

Mobil Oil Corporation

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

May 14, 1986

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

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

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

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

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

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

Very truly yours,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

STATE OF UTAH
INVENTORY OF INJECTION WELLS

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

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

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

CA No. Unit: MCELMO CREEK

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

7. **Federal and Indian Units:**

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

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

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

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

NOTE: EPA ISSUES UIC PERMITS

DATA ENTRY:

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

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

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

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

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

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

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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.

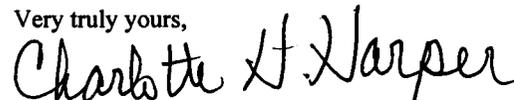
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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

XXXXXXXXXXXXXX
Navajo Area Office
NAVAJO REGION

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

AUG 30 2001

IN REPLY REFER TO:

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

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

Dear Ms. Harper:

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

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

Sincerely,

DEAN DENETSONE

Regional Realty Officer

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

MINERAL RESOURCES	
ADM 1	<i>DSM</i>
NATV AMIN COORD	_____
SOLID MIN TEAM	_____
PETRO MENT TEAM	<i>2</i>
O & G INSPECT TEAM	_____
ALL TEAM LEADERS	_____
LAND RESOURCES	_____
ENVIRONMENT	_____
FILES	_____

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

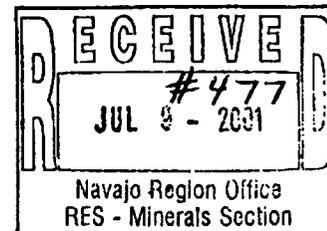
PS 7/12/2001
SH
543
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

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



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

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

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

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

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

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

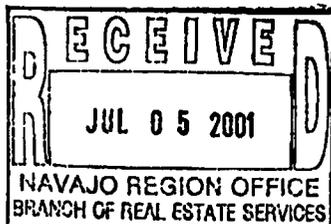
If you have any questions , please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



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

NOTE: Check forwarded to Ella Isaac

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

Gentlemen:

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

OFFICERS

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

DIRECTORS

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

Sincerely,



Alex Correa

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



Signature

AGENT AND ATTORNEY IN FACT

Title

CERTIFICATION

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

CHANGE OF COMPANY NAME

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

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

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

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

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

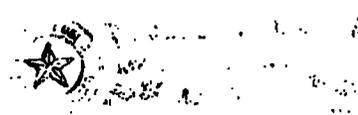
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Miller
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

2001 Main Street, Suite 1400, Houston, Texas 77027-3307
Houston, TX 77027-4600 • Fax: (713) 297-4750

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
Mary Pierson, Attorney-in-fact



**Chubb
Surety**

**POWER
OF
ATTORNEY**

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

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

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

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

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

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



Notary Public State of New Jersey
No. 2231647

Karen A. Price
Notary Public

Commission Expires Oct. 28, 2004

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

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

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

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

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



Kenneth C. Wendel, 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.

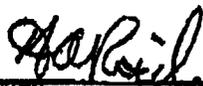
CSC
CSC

5184334741

06/01 '01 08:47 NO.410 04/05
06/01 '01 07:00 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. Ritoh, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

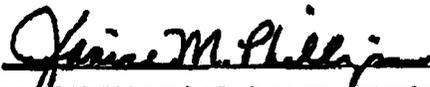
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.



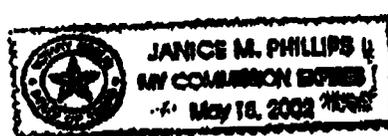
F. L. REID, Secretary

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

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



CSC
CSC

5184334741

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

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 605 of the Business Corporation Law

SAC

100 cc

**STATE OF NEW YORK
DEPARTMENT OF STATE**

Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

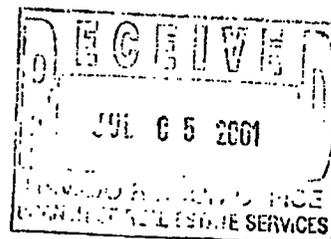
6949 Las Colinas Blvd.
(Mailing address)

TAX \$ _____
BY: *SAC*

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

ny Albany

Cost Ref # 165578 MPJ



010601000195

*State of New York }
Department of State } ss:*

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

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



A handwritten signature in black ink, appearing to read "J. Leub", with a long horizontal line extending to the right.

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 (UIC)

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 6/1/2006

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

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

Approval Date: 6/12/06

Comments:

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DIV. OF OIL, GAS & MINING

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

FORM 9

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

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

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

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

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

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

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

(This space for State use only)

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

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DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

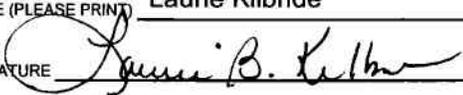
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

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

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

(This space for State use only)

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

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DIV. OF OIL, GAS & MINING

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

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

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

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

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

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

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER NAVAJO C-6 (MCELMO N-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 Water Injection 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 type="radio"/> DIRECTIONAL <input checked="" type="radio"/> HORIZONTAL <input type="radio"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		2213 FSL 949 FWL		NWSW	5	41.0 S	25.0 E	S		
Top of Uppermost Producing Zone		2163 FSL 949 FWL		NWSW	5	41.0 S	25.0 E	S		
At Total Depth		2082 FSL 949 FWL		NWSW	5	41.0 S	25.0 E	S		
21. COUNTY SAN JUAN			22. DISTANCE TO NEAREST LEASE LINE (Feet) 949			23. NUMBER OF ACRES IN DRILLING UNIT 40				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1500			26. PROPOSED DEPTH MD: 5899 TVD: 5875				
27. ELEVATION - GROUND LEVEL 4792			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	15	10.75	0 - 1460	40.5	J-55 ST&C	0.0	Class B	800	0.0	0.0
PROD	9	7	0 - 5830	23.0	J-55 ST&C	0.0	Class B	900	0.0	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 09/17/2012			EMAIL sglass@resoluteenergy.com				
API NUMBER ASSIGNED 43037163630000			APPROVAL			 Permit Manager				

Sidetrack for Desert Creek IIC Horizon
McElmo Creek Unit N-15
2213' FSL & 949' FWL
Sec 5, T41S, R25E
San Juan County, Utah
API 43-037-16363
PRISM 0000327

Discussion: *Sidetracking from the existing wellbore is expected to be the most expeditious method of getting past junk in the wellbore, as well as the expected formation damage from earlier cement squeeze work in the DC-IIC target intervals. Kick and drop techniques will be used, with the new wellbore planned to be ~50-60' away from the original borehole at TD. Chinle isolation is included.*

Sidetrack Injection Procedure (Sundry – Notice of Intent)

1. MIRU.
2. Pull & LD injection tubing & packer.
3. Make bit & scraper trip to PBD at 5686'.
4. Run casing inspection log from 5686' PBD to 1000', and cement bond log from 5686' PBD' to 200' above the cement top. Confirm TOC and cement quality in the kick off area; Identify the lower MetalSkin™ set depth for the injection packer seat; Confirm the top of Chinle.
5. Set a CIBP at approximately 5500' to isolate current perforations and provide a foundation for a whipstock. Csg inspection & cement bond log will be used to select the final set depth.
6. Set a whipstock on top of the CIBP, oriented to 180° azimuth . Cut a 6' to 8' window in the 7" casing .
7. RIH with an adjustable mud motor and bit assembly to begin sidetrack operations.

8. Start drilling the sidetrack. Deviate from the existing wellbore approximately 20 feet, time drilling. From there, allow the drilling angle to drop, toward vertical, as it will.
9. Continue drilling to a total depth of 5875'TVD, ~9' into the Chimney Rock shale.
10. Run a Gamma Ray/ Neutron log over the open hole section.
11. Stimulate the open hole section of the wellbore.
12. Retrieve whipstock & CIBP.
13. Install lower MetalSkin™ patch for the packer seat.
14. RIH and set injection well BHA: wireline re-entry guide, profile nipple w/plug in place, Arrowset 1-X packer, with on/off tool. This BHA to be set within the lower MetalSkin™ patch.
15. Isolate the lower wellbore and protect the packer assembly by dumping 2 sx sand on top of the packer w/plug.
16. Perforate at least 50' below the top of Chinle formation with 4 spf over a two foot interval.
17. Set CICR at least 50' above the perforated interval.
18. Sting into CICR and attempt to establish circulation to surface with fresh water, through the bradenhead.
19. If circulation is established, circulate cement to surface using 65/35 Pozmix with 100% excess, i.e. calculated volume 250 sx, 100% excess = 500 sx. Volumes will be re-calculated based on actual Chinle Top.
20. If unable to circulate cement to surface, attempt to squeeze a sufficient volume of cement to fill the casing below CICR to the perforated interval, plus 100 ft above top of Chinle using 65/35 Pozmix with 100% excess.

21. Shut in 24 hours to allow cement to cure.
22. Drill out CICR and cement; pressure test repair.
23. Install upper Metalskin™ patch over Chinle perforated interval.
24. Perform “Mock” MIT to confirm integrity.
25. RIH and circulate sand off the injection packer. Displace wellbore to packer fluid.
26. RIH with 2-7/8 inch injection tubing and on/off tool & tie onto the packer.
27. Rig up WL and retrieve plug from packer.
28. RDMOL.
29. Perform witnessed MIT.
30. Return the well to injection.

Job Scope – Isolate existing perforations and sidetrack from the existing wellbore, to 5875' TVD to allow injection into DC-IIC. Stimulate the open hole section and reopen wellbore to original perforations. Perform Chinle isolation. Install an injection bottomhole assembly and return the well to injection in the DC-I & IIB, along with the newly opened DC-IIC.

**ADDITIONAL INFORMATION TO SUPPORT
Sundry – Notice of Intent
Mc Elmo Creek Unit N-15
Sidetrack to the DC-IIC Horizon from the vertical wellbore for
Addition of Injection in DC-IIC**

1. Formation Tops

Existing Formation Tops (ft MD):

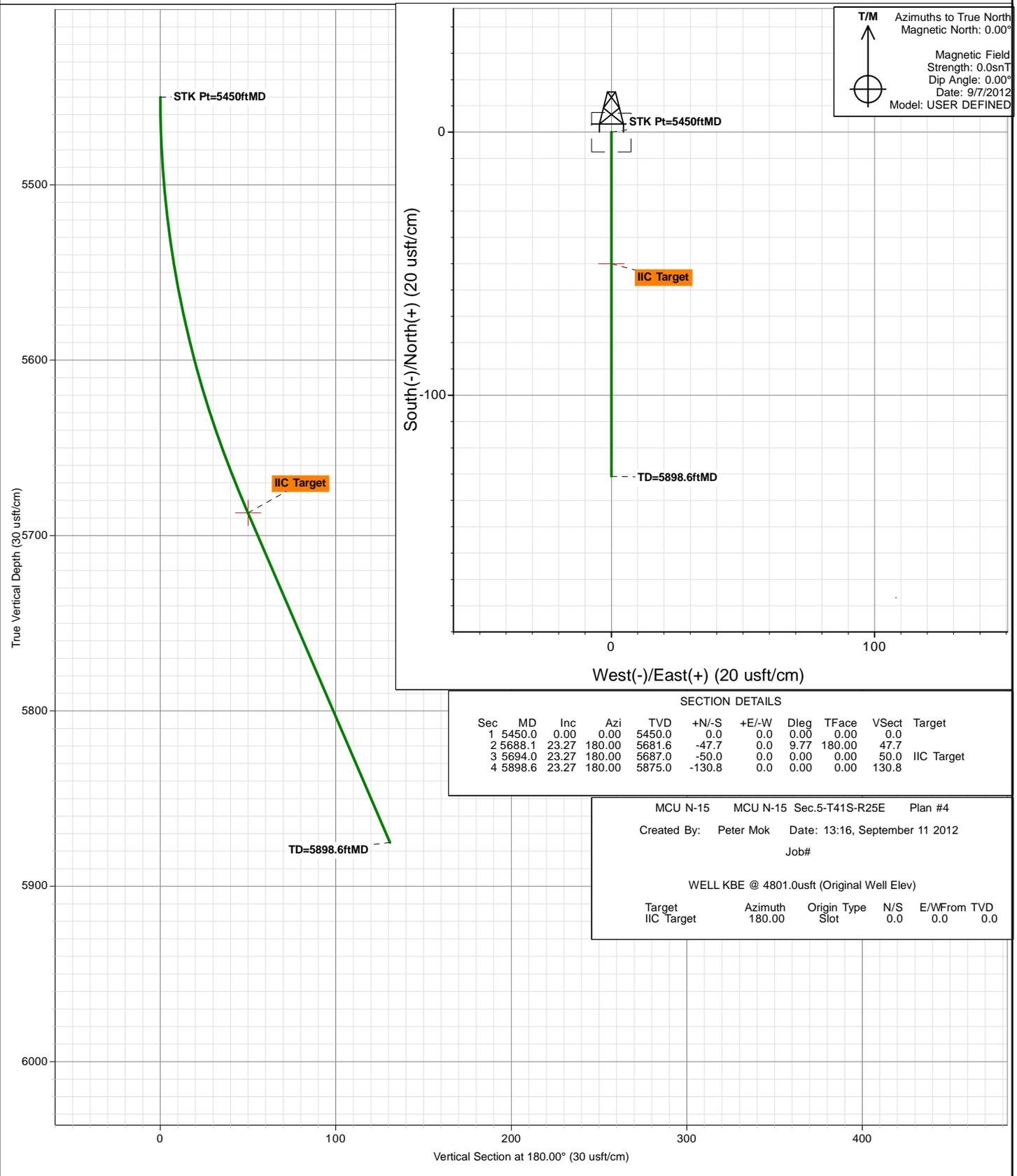
Upper Ismay:	5460
Lower Ismay:	5523
Gothic Shale:	5583
Desert Creek IA:	5593
Desert Creek IB:	5620
Desert Creek IC:	5633
Desert Creek IIA:	5652
Desert Creek IIB:	5671
Desert Creek IIC:	5687
Desert Creek III:	5755
Chimney Rock Shale:	5776

2. Re-entry will be an open hole completion, sidetracked out of cased hole and involves setting a cast iron bridge plug above current perforations, setting a whipstock, drilling to the target depth, stimulating the exposed interval, setting a packer above the sidetrack window, and initiating CO₂ and water injection into the open hole section, along with the original DC-I & IIA perforated sections.
3. Wellbore Diagrams –
 - a) Existing Wellbore Diagram – Attachment No. 1
 - b) Proposed Wellbore Diagram – Attachment No. 2
4. BOP Diagram & Equipment Description – Attachment No. 3
5. Drilling Mud Specifications
 - a) Proposed to use N₂ foamed fresh water fluid, in an underbalanced situation, or if conditions warrant,
 - b) CaCl₂ brine water will be used, and if required,

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



Project: McELMO Creek Unit
 Site: MCU N-15
 Well: MCU N-15 Sec.5-T41S-R25E
 Wellbore: STK #1
 Plan #4



T/M Azimuths to True North
 Magnetic North: 0.00°
 Magnetic Field
 Strength: 0.0snT
 Dip Angle: 0.00°
 Date: 9/7/2012
 Model: USER DEFINED

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	5450.0	0.00	0.00	5450.0	0.0	0.0	0.00	0.00	0.0	
2	5688.1	23.27	180.00	5681.6	-47.7	0.0	9.77	180.00	47.7	
3	5694.0	23.27	180.00	5687.0	-50.0	0.0	0.00	0.00	50.0	IIC Target
4	5898.6	23.27	180.00	5875.0	-130.8	0.0	0.00	0.00	130.8	

MCU N-15 MCU N-15 Sec.5-T41S-R25E Plan #4
 Created By: Peter Mok Date: 13:16, September 11 2012
 Job#
 WELL KBE @ 4801.0usft (Original Well Elev)
 Target Azimuth Origin Type N/S E/WFrom TVD
 IIC Target 180.00 Slot 0.0 0.0 0.0



Resolute Natural Resources

McELMO Creek Unit

MCU N-15

MCU N-15 Sec.5-T41S-R25E

STK #1

Plan: Plan #4

Standard Planning Report

11 September, 2012





Database:	EDMDB	Local Co-ordinate Reference:	Well MCU N-15 Sec.5-T41S-R25E
Company:	Resolute Natural Resources	TVD Reference:	WELL KBE @ 4801.0usft (Original Well Elev)
Project:	McELMO Creek Unit	MD Reference:	WELL KBE @ 4801.0usft (Original Well Elev)
Site:	MCU N-15	North Reference:	True
Well:	MCU N-15 Sec.5-T41S-R25E	Survey Calculation Method:	Minimum Curvature
Wellbore:	STK #1		
Design:	Plan #4		

Project	McELMO Creek Unit		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah South 4303		

Site	MCU N-15				
Site Position:		Northing:	0.00 usft	Latitude:	0° 0' 0.000 N
From:	None	Easting:	0.00 usft	Longitude:	0° 0' 0.000 E
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.00 °

Well	MCU N-15 Sec.5-T41S-R25E					
Well Position	+N/-S	0.0 usft	Northing:	0.00 usft	Latitude:	36° 28' 0.165 N
	+E/-W	0.0 usft	Easting:	0.00 usft	Longitude:	118° 18' 20.683 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	4,791.0 usft

Wellbore	STK #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	9/7/2012	0.00	0.00	0

Design	Plan #4			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	5,450.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.00

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
5,450.0	0.00	0.00	5,450.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,688.1	23.27	180.00	5,681.6	-47.7	0.0	9.77	9.77	-75.60	180.00	
5,694.0	23.27	180.00	5,687.0	-50.0	0.0	0.00	0.00	0.00	0.00	IIC Target
5,898.6	23.27	180.00	5,875.0	-130.8	0.0	0.00	0.00	0.00	0.00	



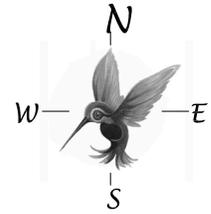
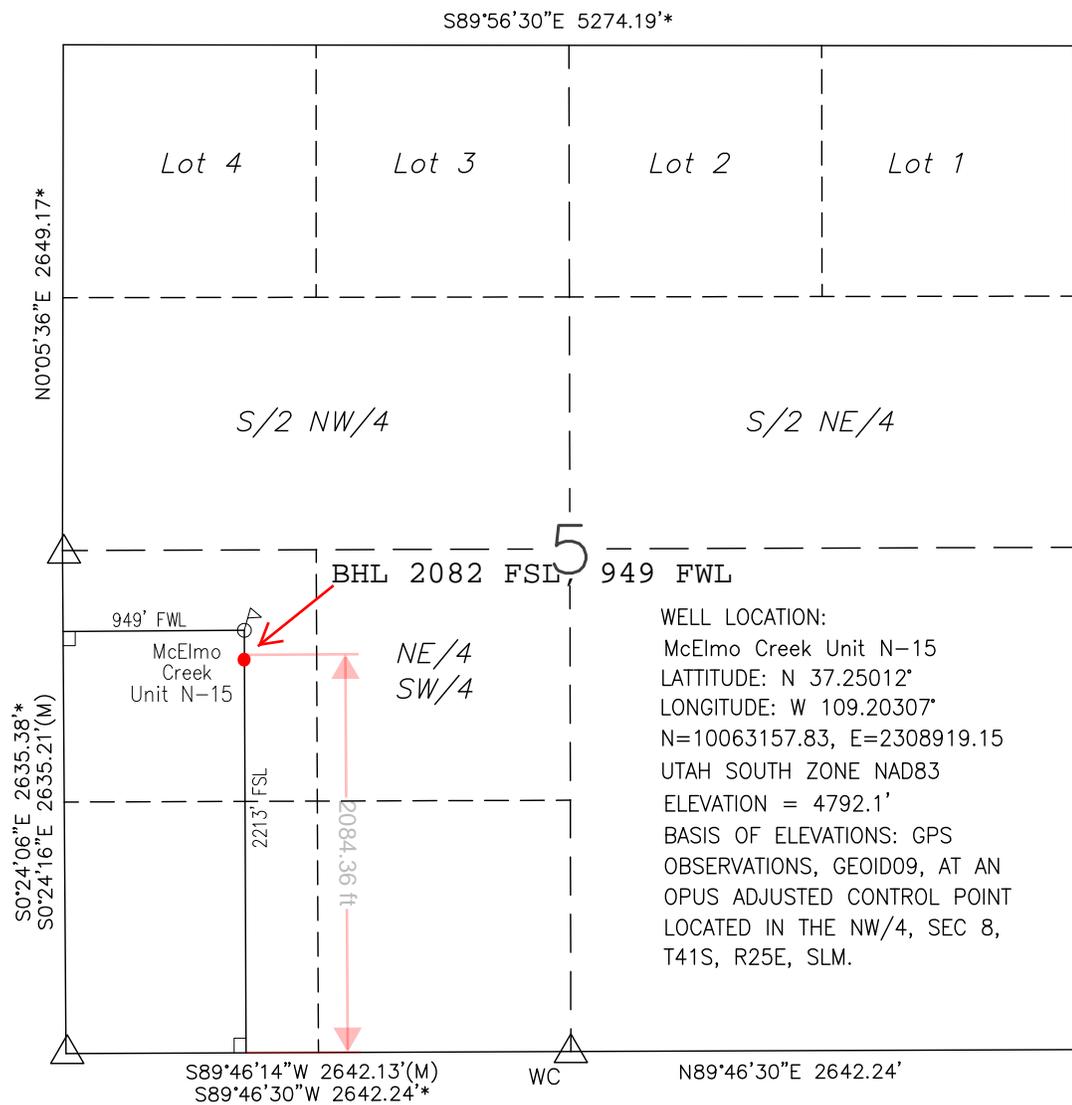
Database:	EDMDB	Local Co-ordinate Reference:	Well MCU N-15 Sec.5-T41S-R25E
Company:	Resolute Natural Resources	TVD Reference:	WELL KBE @ 4801.0usft (Original Well Elev)
Project:	McELMO Creek Unit	MD Reference:	WELL KBE @ 4801.0usft (Original Well Elev)
Site:	MCU N-15	North Reference:	True
Well:	MCU N-15 Sec.5-T41S-R25E	Survey Calculation Method:	Minimum Curvature
Wellbore:	STK #1		
Design:	Plan #4		

Planned Survey												
Measured Depth (usft)	Incl. (°)	Az. (°)	Vertical Depth (usft)	Subsea (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Closure Distance (usft)	Dogleg Rate (°/100u)	Build Rate (°/100u)	Turn Rate (°/100u)	Comments/Formations
5,450.0	0.00	0.00	5,450.0	-649.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	STK Pt=5450ftMD
5,532.8	8.09	180.00	5,532.5	-731.5	-5.8	0.0	5.8	5.8	9.77	9.77	0.00	
5,631.6	17.75	180.00	5,628.7	-827.7	-27.9	0.0	27.9	27.9	9.77	9.77	0.00	
5,688.1	23.27	180.00	5,681.6	-880.6	-47.7	0.0	47.7	47.7	9.77	9.77	0.00	Start 5.9 hold at 5688.1 MD
5,694.0	23.27	180.00	5,687.0	-886.0	-50.0	0.0	50.0	50.0	0.00	0.00	0.00	Start 204.6 hold at 5694.0 MD
5,730.4	23.27	180.00	5,720.5	-919.5	-64.4	0.0	64.4	64.4	0.00	0.00	0.00	
5,829.2	23.27	180.00	5,811.2	-1,010.2	-103.4	0.0	103.4	103.4	0.00	0.00	0.00	
5,898.6	23.27	180.00	5,875.0	-1,074.0	-130.8	0.0	130.8	130.8	0.00	0.00	0.00	TD=5898.6ftMD

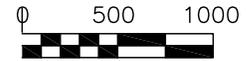
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
IIC Target - hit/miss target - Shape - Point	0.00	0.00	5,687.0	-50.0	0.0	-49.87	-3.64	36° 27' 59.671 N	118° 18' 20.683 W	

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
5,450.0	5,450.0	0.0	0.0	STK Pt=5450ftMD	
5,688.1	5,681.6	-47.7	0.0	Start 5.9 hold at 5688.1 MD	
5,694.0	5,687.0	-50.0	0.0	Start 204.6 hold at 5694.0 MD	
5,898.6	5,875.0	-130.8	0.0	TD=5898.6ftMD	

Well Location - McElmo Creek Unit N-15



BASIS OF BEARINGS
GPS TRUE NORTH



1"=1000'
GROUND

WELL LOCATION:
McElmo Creek Unit N-15
LATITUDE: N 37.25012°
LONGITUDE: W 109.20307°
N=10063157.83, E=2308919.15
UTAH SOUTH ZONE NAD83
ELEVATION = 4792.1'
BASIS OF ELEVATIONS: GPS
OBSERVATIONS, GEOID09, AT AN
OPUS ADJUSTED CONTROL POINT
LOCATED IN THE NW/4, SEC 8,
T41S, R25E, SLM.

LEGEND:

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

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.

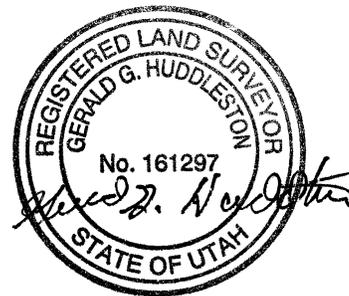
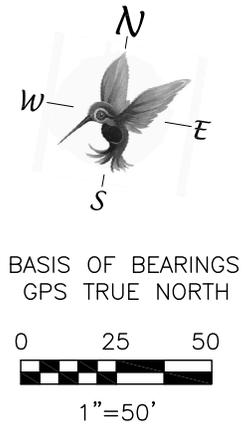
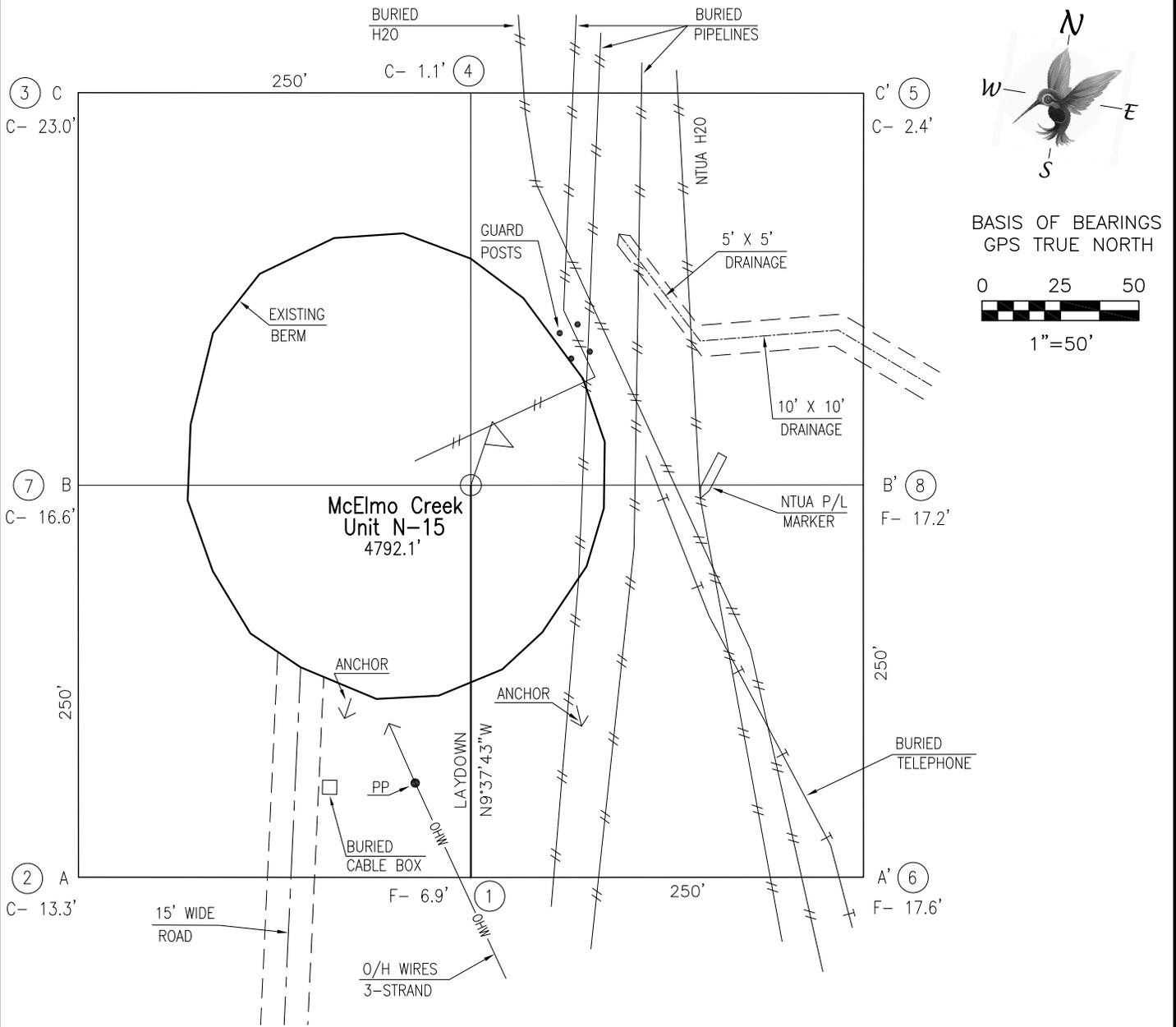


EXHIBIT A

FOOTAGE: 2213' FSL 949' FWL		RESOLUTE NATURAL RESOURCES	
SEC 5, T41S, R25E, SLM, SAN JUAN COUNTY, UT			
LAT: N 37.25012°	LON: W 109.20307° (NAD83)	SURVEYED: 09/06/12	
ELEVATION: 4792.1' at top of buttom flange (NAVD88)		DRAWN BY: GEL	DATE: 09/07/12
NOTE: Re-entry of existing well.		REVISION:	

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

Well Pad - McElmo Creek Unit N-15



BASIS OF BEARINGS
GPS TRUE NORTH

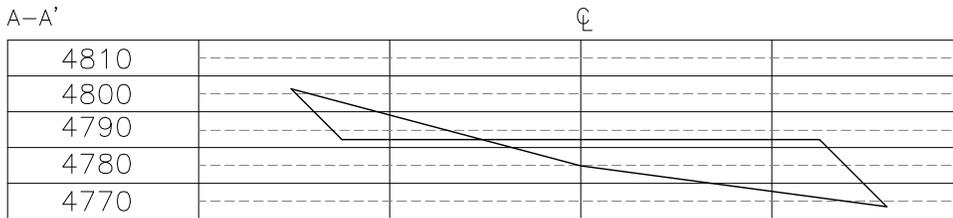
It shall be the responsibility of the Contractor to verify the location, depth and condition of all existing utilities and conduct all necessary field investigations prior to any excavation.
OneCall 800-662-5348

EXHIBIT B

FOOTAGE: 2213' FSL 949' FWL		RESOLUTE NATURAL RESOURCES	
SEC 5, T41S, R25E, SLM, SAN JUAN COUNTY, UT			
LAT: N 37.25012°	LON: W 109.20307°	SURVEYED: 09/06/12	
ELEVATION: 4792.1' at top of buttom flange (NAVD88)		DRAWN BY: GEL	DATE: 09/07/12
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 N-15



HORIZONTAL 1"=100'
VERTICAL 1"=50'

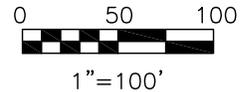


EXHIBIT C

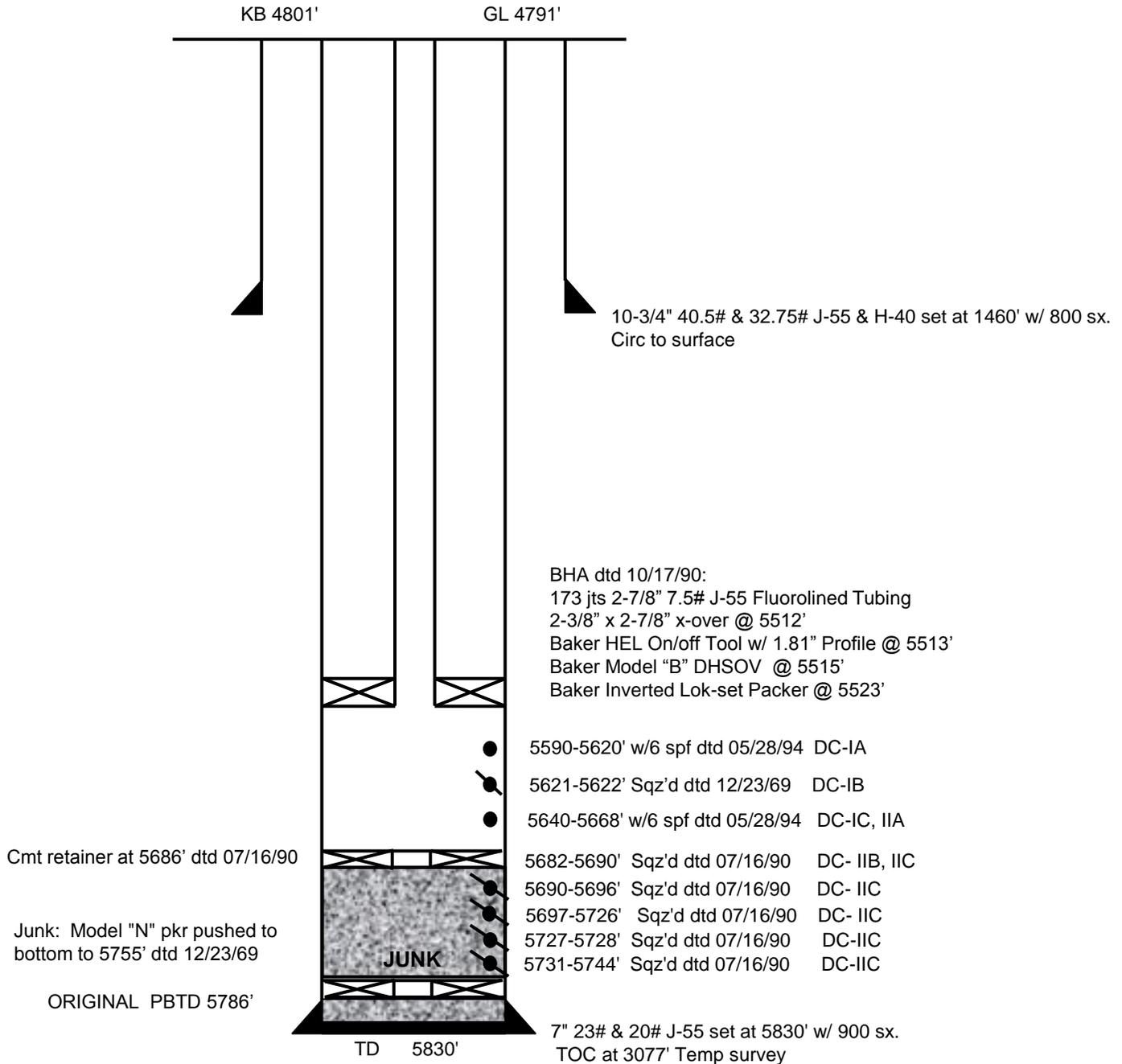
FOOTAGE: 2213' FSL 949' FWL		RESOLUTE NATURAL RESOURCES		
SEC 5, T41S, R25E, SLM, SAN JUAN COUNTY, UT				
LAT: N 37.25012° LON: W 109.20307°		SURVEYED: 09/06/12		
ELEVATION: 4792.1' at top of buttom flange (NAVD88)		DRAWN BY: GEL	DATE: 09/07/12	FILE:
NOTE: Re-entry of existing well.		REVISION:		

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

McELMO CREEK UNIT # N-15
 GREATER ANETH FIELD
 2213' FSL & 949' FWL
 SEC 5-T41S-R25E
 SAN JUAN COUNTY, UTAH
 API 43-037-16363
 PRISM 0000327

INJECTOR

**Attachment 1:
 Existing Wellbore**



McELMO CREEK UNIT # N-15

GREATER ANETH FIELD

2213' FSL & 949' FWL

SEC 5-T41S-R25E

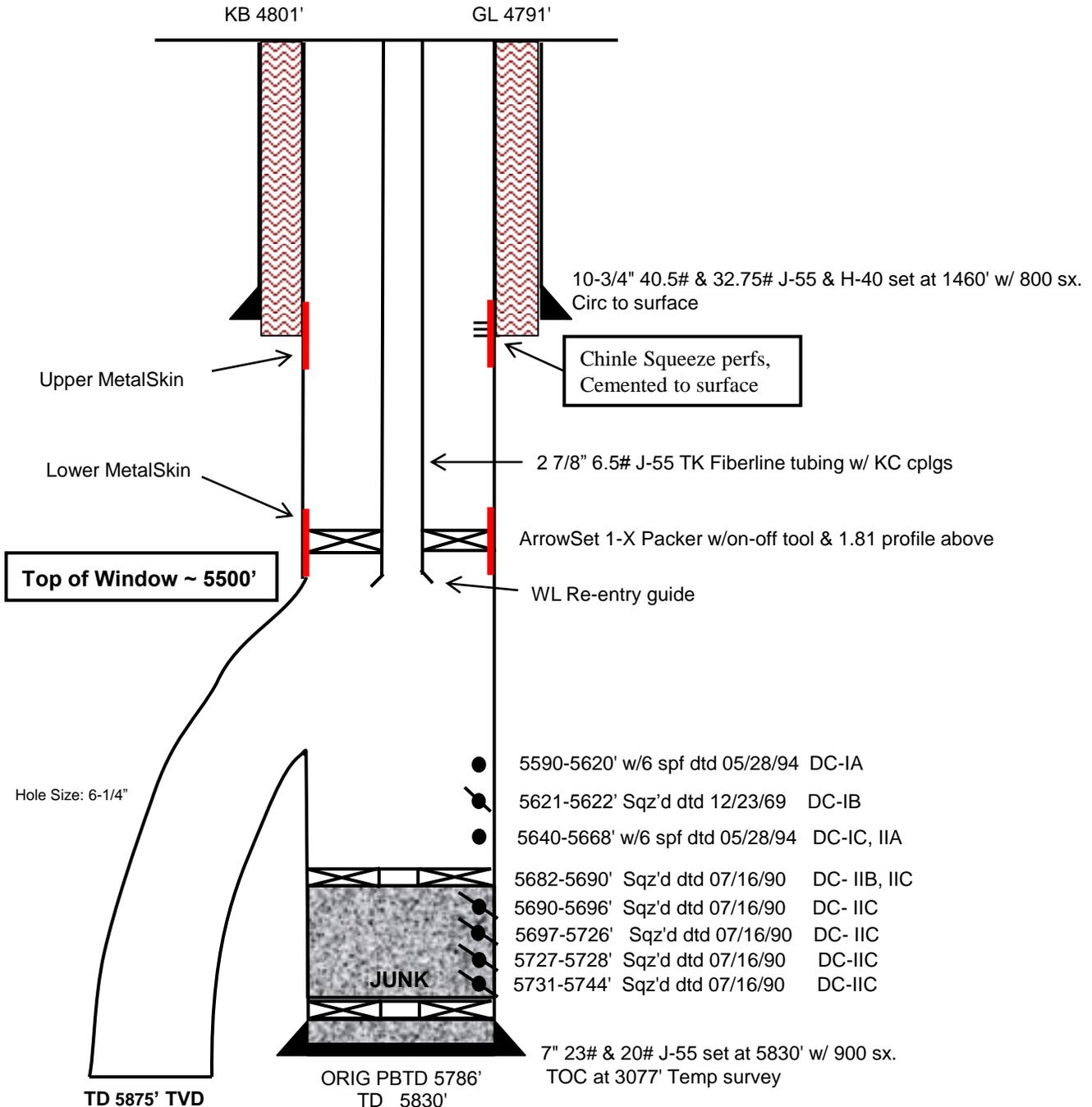
SAN JUAN COUNTY, UTAH

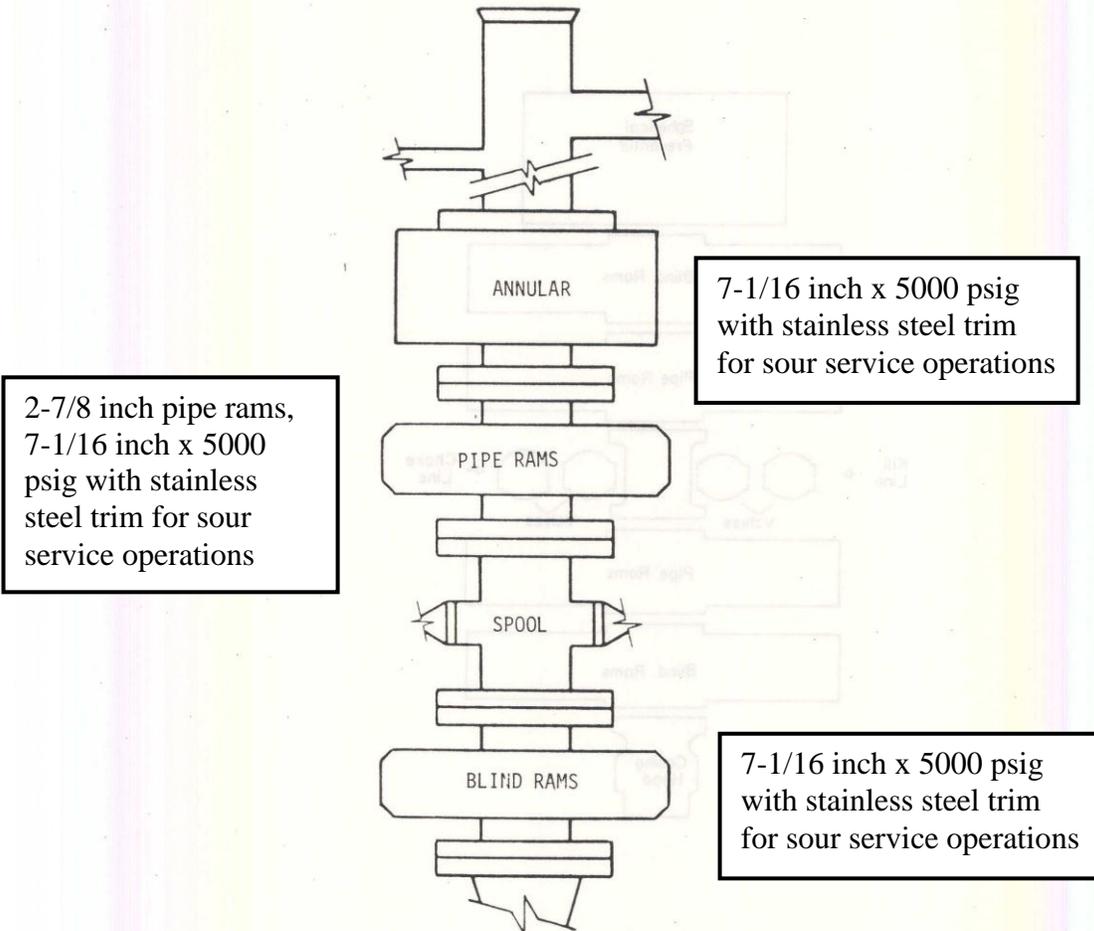
API 43-037-16363

PRISM 0000327

INJECTOR

**Attachment 2:
Proposed Wellbore
Deepened to DCIIC,
Open Hole Completion**

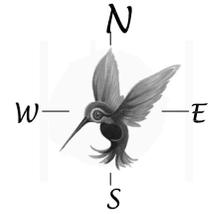
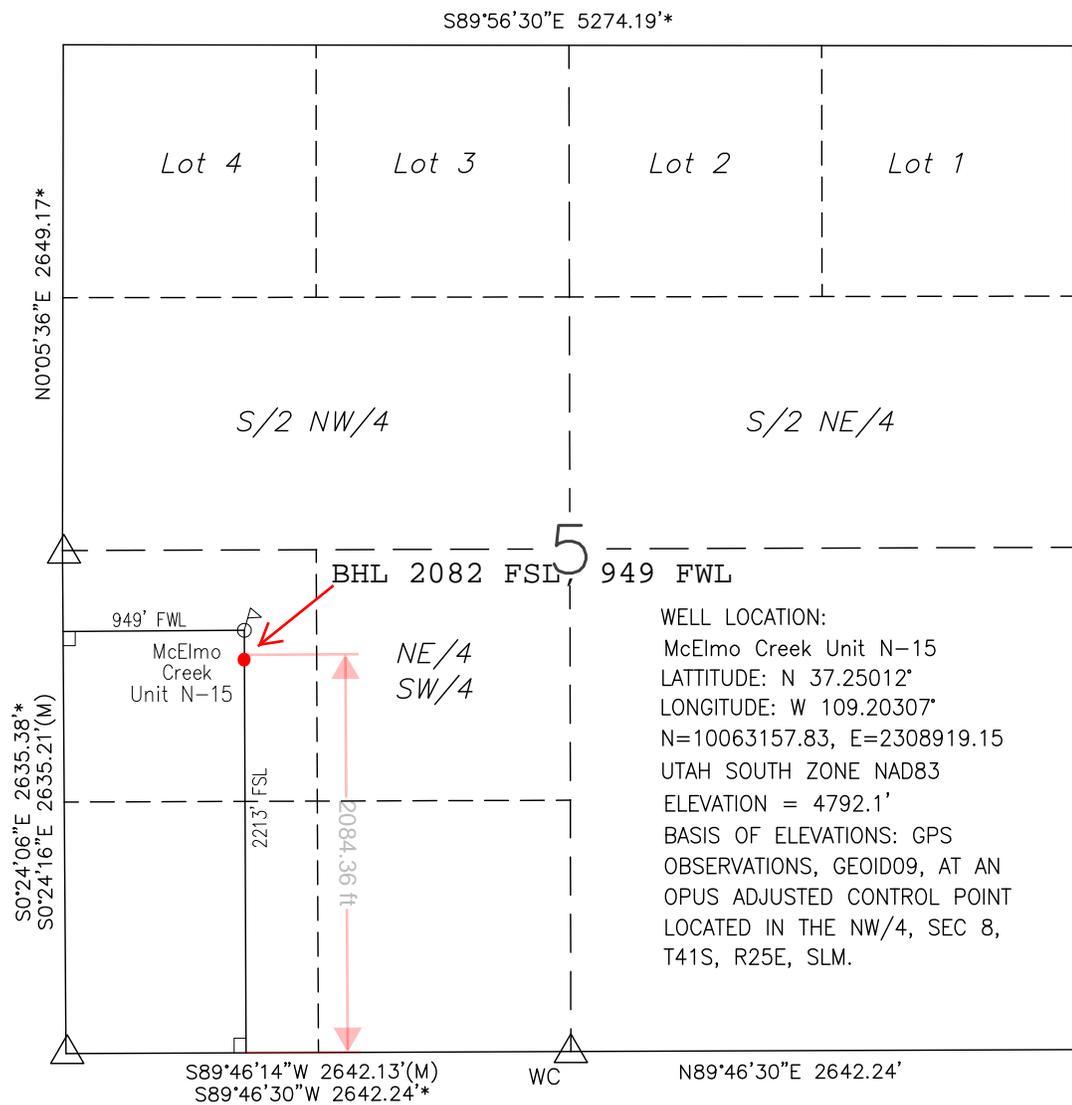




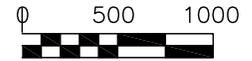
TYPICAL WORKOVER BOP STACK

Figure 30

Well Location - McElmo Creek Unit N-15



BASIS OF BEARINGS
GPS TRUE NORTH



1" = 1000'
GROUND

WELL LOCATION:
McElmo Creek Unit N-15
LATITUDE: N 37.25012°
LONGITUDE: W 109.20307°
N=10063157.83, E=2308919.15
UTAH SOUTH ZONE NAD83
ELEVATION = 4792.1'
BASIS OF ELEVATIONS: GPS
OBSERVATIONS, GEOID09, AT AN
OPUS ADJUSTED CONTROL POINT
LOCATED IN THE NW/4, SEC 8,
T41S, R25E, SLM.

LEGEND:

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

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.

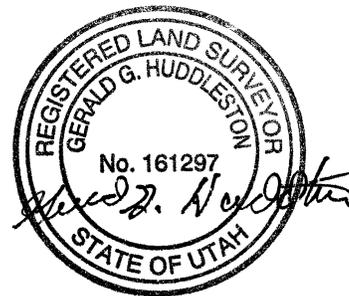


EXHIBIT A

FOOTAGE: 2213' FSL 949' FWL		RESOLUTE NATURAL RESOURCES	
SEC 5, T41S, R25E, SLM, SAN JUAN COUNTY, UT			
LAT: N 37.25012°	LON: W 109.20307° (NAD83)	SURVEYED: 09/06/12	
ELEVATION: 4792.1' at top of buttom flange (NAVD88)		DRAWN BY: GEL	DATE: 09/07/12
NOTE: Re-entry of existing well.		REVISION:	

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

37.24996° N, 109.20301° W WGS84TOPO! map printed on 09/08/12 from "TOPO MAP MCU N-15.tpo"

109.23333° W

109.21667° W

109.20000° W

WGS84 109.18333° W

RESOLUTE NATURAL RESOURCES

McELMO CREEK UNIT # N-15

2213' FSL, 949' FWL SEC. 5, T41S, R25E, S.L.M.

SAN JUAN COUNTY, UTAH

**McElmo Creek Unit
N-15**

37.25000° N

37.25000° N

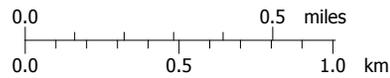
Map created with TOPO! © 2010 National Geographic; © 2007 Tele Atlas, Rel. 1/2007

109.23333° W

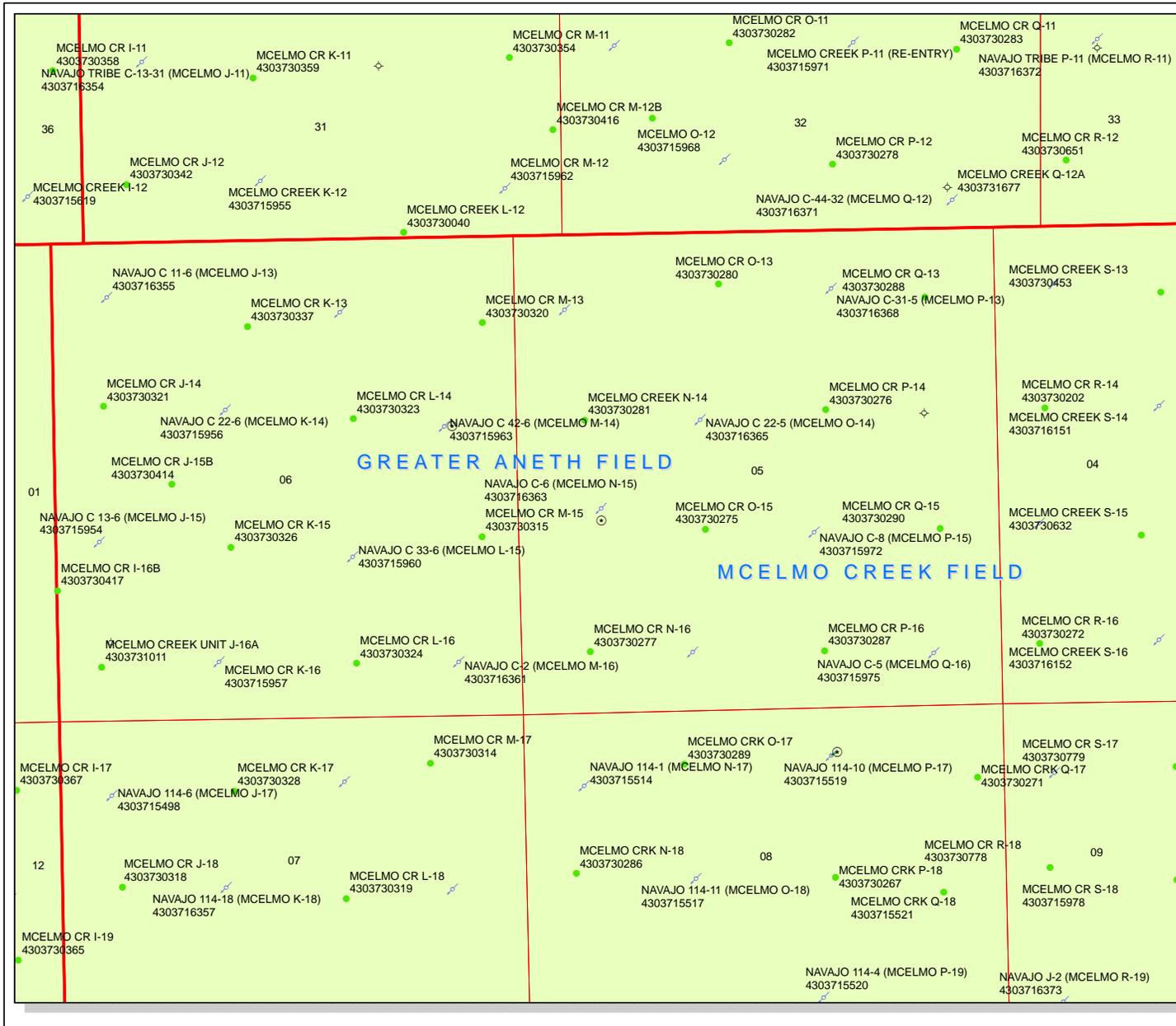
109.21667° W

109.20000° W

WGS84 109.18333° W



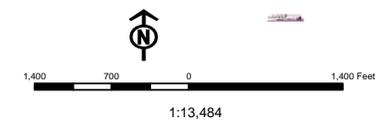
TN* MN
10 1/2°
09/08/12



API Number: 4303716363
Well Name: NAVAJO C-6 (MCELMO N-15)
Township T41.0S Range R25.0E Section 05
Meridian: SLBM
Operator: RESOLUTE NATURAL RESOURCES

Map Prepared:
 Map Produced by Diana Mason

- | | |
|---------------|------------------------------------|
| Units | Wells Query |
| STATUS | 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 | PPG - Producing Gas Well |
| PP OIL | POW - Producing Oil Well |
| SECONDARY | SGW - Shut-in Gas Well |
| TERMINATED | SOW - Shut-in Oil Well |
| Fields | 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/Dr |
| STORAGE | |
| TERMINATED | |



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/17/2012

API NO. ASSIGNED: 43037163630000

WELL NAME: NAVAJO C-6 (MCELMO N-15)

OPERATOR: RESOLUTE NATURAL RESOURCES (N2700)

PHONE NUMBER: 303 573-4886

CONTACT: Sherry Glass

PROPOSED LOCATION: NWSW 05 410S 250E

Permit Tech Review:

SURFACE: 2213 FSL 0949 FWL

Engineering Review:

BOTTOM: 2082 FSL 0949 FWL

Geology Review:

COUNTY: SAN JUAN

LATITUDE: 37.25024

LONGITUDE: -109.20319

UTM SURF EASTINGS: 659355.00

NORTHINGS: 4124146.00

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:620925 COMM WIW:860424 OP FR N0920: 901105 CONV C02 INJ:950803 OP FR MEPNA:020417 OP FR N7370 EFF 06-01-01:OP FR N1855:

Stipulations: 4 - Federal Approval - dmason
15 - Directional - dmason

RECEIVED: October 01, 2012



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: NAVAJO C-6 (MCELMO N-15)
API Well Number: 43037163630000
Lease Number: 1420603372
Surface Owner: INDIAN
Approval Date: 10/1/2012

Issued to:

RESOLUTE NATURAL RESOURCES, 1675 Boradway 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.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

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 over a faint rectangular box.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603372
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
		8. WELL NAME and NUMBER: NAVAJO C-6 (MCELMO N-15)
1. TYPE OF WELL Water Injection Well	9. API NUMBER: 43037163630000	
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. FIELD and POOL or WILDCAT: GREATER ANETH	
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202	PHONE NUMBER: 303 534-4600 Ext	COUNTY: SAN JUAN
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2213 FSL 0949 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 05 Township: 41.0S Range: 25.0E Meridian: S	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"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/16/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Resolute completed deepening of the MCU N-15 on 11-5-12. A completion report will be submitted when the well is put back to production. A drilling report is attached.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY December 03, 2012		
NAME (PLEASE PRINT) Shery Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 11/29/2012	



Daily Well Report

Well Name: Mcelmo Cr N15

API Number 43037056710000	Section 5	Township 41S	Range 25E	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	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 9/14/2012	End Date	AFE Number 10012762
-------------------------	----------	------------------------

Objective
Job scope: Retrieve existing tubing and packer, sidetrack out of the existing 7" casing at ~5450' and drill to a projected depth of 5785' TVD (~9' into Chimney Rock shale) using nitrogen as required; stimulate the open hole IIC section, run new 2-7/8" TK Fiberline tubing with KC couplings and new injection packer. Since this well is on the Horsley-Witten list, Chinle isolation is planned, with MetalSkin™ patches included to ensure integrity of the shallow squeeze perforations.

Contractor Key	Rig Number #27	Rig Type	Rig Start Date 9/14/2012	Rig Release Date
-------------------	-------------------	----------	-----------------------------	------------------

Report Number	Start Date	End Date	Summary
1	9/14/2012		Blade & wtr truck on loc. JR Lansing on loc. Leveling loc.
2	9/18/2012		Pickup, trlr, backhoe, operator & pickup driver on loc. Fill in around wellhead
3	9/19/2012		Have HydroVac (Riley) & Mo-Te. Had Resolute spot lines w/line finder (Rodderick, Albert & Julius) Had Guy witch lines w/rods. Finally decided where to spot anchor & dug hole w/Hydro Vac. Set anchor. Lansing broke up pumping unit pad & hauled cmt off. Loc is ready for Big Rig.
4	9/26/2012		Blade location
5	10/11/2012	10/11/2012	RSTB load up Sound Barrier Panels for set up
6	10/12/2012	10/12/2012	Sound Wall setup
7	10/26/2012	10/27/2012	This is the report on the MCU N-15 Capital Injector Key rig #27 Had Dawn Trucking on location to move all equipment. This location is clean and open there was one anchor that was covered up. The anchors were tested on 9/19/12 and marked. Lock and tag out all power sources on location. Had LJB level ground for rig ramp. Spot in ramp, Gas buster, rig pump. Spot in 2 trailers light plant, fuel tank, also solids bin. With the assistance of Dawn Trucking winch-up unit on to rig ramp and spot Respot frac tanks and have roustabout locate anchor. In the process rigging up unit the belly guide was caught on the brake assembly for brake handle. Wes Roundtree on location notify Troy also Nate about situation Crew change at 18:00 safety meeting with contractors on location topic was hand placement, forklift operations, housekeeping. Key had employee go to Cortez for drug screen. Finish rigging up all equipment. Take pressure readings 1600 psi on tubing and 0 psi on casing. pressure test casing to 1000 psi for 30 mins (Good Test) Open well through choke manifold to bleed pressure to frac tank Recovered 300 bbls pressure drooped down to 300 psi flowing steady. Pump kill weight fluid and monitor pressure. Pressure leveled off at 700 psi. call in for 13# mud. When 60 bbls of mud arrived pump kill weigh fluid. Well died off for 15 mins when it came back around. Shut in well and monitor pressures. crew change at 6:00 safety meeting with contractors topic was high pressure lines, job task. Continue to wait on kill weight fluids.
8	10/27/2012	10/28/2012	This is the report on MCU N-15 Capital Injector Key Rig #27. Continue to wait on Three Rivers vac trucks. Trucks on location with 15.3# mud Pump 80 bbls and kill well. Rig down hoses. Nipple down upper tree and pull up well has wrap around donut. Set slips and break out upper tree an lay it down. Pick-up pup jt with TIW valve. Strip BOP over and nipple up. Rig up rig floor, power tongs, slips, hand tools. Waited on trucks to haul water to test. Pressure test stack 200 low 1000 high good test. Hold safety meeting with rig crew about pressure when releasing off packer, making sure all valves are shut. Screw out lock down pins pull up and j-off packer had 1200 psi on casing. Open well to frac tanks to release pressure. Pull up and take off donut and lay down jt. Set catwalk and pipe racks. Start laying down 2 7/8 cement lined Production tubing tally out. Crew change at 18:00 safety meeting with all contractors on location topic was laying down tubing, forklift operations, hand placement, suspended loads. Continue to lay down tubing and tally. Transfer tubing to empty trailer. Move trailer off location Transfer AOH Drill Pipe to pipe racks from trailer. Tally and make up BHA with on and off tool 4 ft perf sub start picking up Drill pipe. Crew shut down to eat lunch. Transfer DP to pipe racks and tally. Finish picking up DP. Crew change at 6:00 safety meeting with all contractors on location topic was high pressure lines, job task, communication. Wait on mud and vac trucks.
9	10/28/2012	10/29/2012	Report for MCU N-15 Capital Injector Key Rig 27, Wait on Kill Mud for 6.5 hrs. 300 bbls 13.2# mud arrived on loc, Pump mud down tbg, Circ fluid to frac tank, Pumped 200bbls 13.2 mud started circ mud to rig pit, TBG & CSG dead. Use power swivel to Release PKR. Hang swivel back in the derrick. TOH 175 jts DP. L/D PKR and 4' perf sub, Crew change @ 1800 hrs Safety Meeting on P/U TBG, 100% Tie Off, P/U Bit, Bit Sub, 4 jts 2 7/8 tbg YB, X/O, Scraper, X/O. TIH 175 jts DP. P/U 1 jt tag fill @ 5682', Reverse circ, Clean out to 5686' PBD, Circ well clean for 30 min, Rig down lines, L/D 1 jt DP. TOH 175 jts DP. L/D Scraper, 4 jts TBG, Bit sub and Bit. Bluejet on loc, Safety Meeting on Wireline Hazards, Danger Zones and Communication, Spot in truck, Rig up wireline equipment, P/U CBL tool, RIH to 5600' log to 1000', ROH L/D CBL tool, P/U Casing Inspection tool, RIH to 5600' log to 1000', ROH L/D Casing inspection tool, Crew change @ 0600 hrs, Safety Meeting on Wireline equipment, House keeping.



Daily Well Report

Well Name: Mcelmo Cr N15

API Number 43037056710000	Section 5	Township 41S	Range 25E	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	Rig Release Date/Time		

Report Number	Start Date	End Date	Summary
10	10/29/2012	10/30/2012	Report for MCU N-15 Capital Injector Key Rig 27, Want on review of logs to determine setting depth of plug, Received plug setting depth from Jim. While rigging up Composite plug Bluejet was unable to locate set screws for plug, Meet replace screws halfway from town, M/U Composite Plug. While waiting on Bluejet casing starting flowing, Shut in well watch PSI, Casing PSI up to 500psi, Open well to pit through choke manifold, Bleed off gas PSI dropped down to 450psi, started flowing mud, Shut in well, Bull head 100 bbls of 13.4 mud down casing, Casing PSI up to 1000psi, Shut in well for 30 min, Bleed off gas, PSI dropped down to 500psi, Started flowing mud. Went to rig up Wireline lubricator w/ flange to BOP, Bluejet did not have lubricator w/ flange, Wait on lubricator w/ flange Meet half way from town, Rig up lubricator to BOP, P/U Composite plug, RIH to 5440' Set plug, ROH, Rig down wireline equipment and lubricator. TIH 24 jts DP. L/D 24 jts DP. Move 20 jts HWDP F/ Trailer T/ Racks. Crew change @ 1800 hrs Safety Meeting on Picking up BHA, Tag lines usage, Team work, Tally HWDP, Notice 1 jt HWDP cracked on hard banding. P/U Retrievable Anchor, Debris Sub, Whipstock Slide, 6 1/4 Window Mill, 6 1/4 Watermelon Mill, 1 jt 3 1/2 DP, X/O, UBHO, X/O. P/U 18 jts HWDP, X/O. TIH 150 jts DP. P/U 3 jts DP, Tag Plug @ 5440'. Rig up Wireline, P/U Gyro Tool, RIH, Set tool in UBHO several times to ensure proper seat and same tool face, Orientate whipstock to 180 Deg. Set Anchor w/ 10K @ 5437', 181.63 Deg 0.68 Inc, Shear bolt w/ 28K, Bottom of Whipstock @ 5433', Top @ 5425', ROH w/ gyro tool, L/D down tool, Rig down wireline equipment. Rig up power swivel w/ 1 jt. Rig up flow back line F/ top of BOP T/ gas buster, Crew change @0600 hrs Safety Meeting on Rotating DP, Watch fluid levels
11	10/30/2012	10/31/2012	Report for MCU N-15 Capital Injector Key Rig 27, Circ Mud out of well bore w/ Produce water, Haul Mud back to Mud plant. Started Milling out window F/ 5425' T/ 5439' Pumping Produce water @ 3bbls min, 500psi 5 to 10K on mill, 70-80 RPM on DP, Crew change @ 1800 hrs Safety Meeting on Rotating Equipment, Fluid Levels, House Keeping, Mill stop making hole @ 5439', 15K on Mill for 20 min no progress, 15 hrs to cut window. L/D 1 jt w/ swivel, Hang swivel in derrick. TOH 153 jts DP, 18 jts HWDP. L/D Window Mill, Watermelon Mill, P/U Watermelon Mill w/ 6 1/4 Bit. TIH 153 jts DP, 18 jts HWDP. P/U power swivel and 1 jt. Crew change @ 0600 hrs Safety Meeting on Making Connections, Forklift Operations, Rotating DP.
12	10/31/2012	11/1/2012	This report is on the MCU N-15 Capital Injection Key rig #27 Pick- up jt 171 and drill out 6 ft from 5439 to 5445 with 10 K down with good returns. Circulate well clean for 1 hour. Lay down 4 jt with swivel. Rig down swivel and hand back. TOH with BHA. Break down all tools and load. Crew ate lunch. Move 2 Monel and motor to pipe racks.. Pick up hughes STX-30 6 1/4 Button Bit. 4 3/4 Motor , UBHO , 2 Monels, Crossover. Set Gyro tools in.UBHO Sub. Rig up kelly hose, pump through motor with rig pump. (Motor working okay). Rig down hoses. Make up crossover back to heavy weight spiral Drill pipe,run 9 stands. Pick up crossover back to AOH. TIH to 5370 and test tools. Continue TIH to 5409. Rig up power swivel on jt 170 and slide on down to top of whipstock at 5425, slide on through to top of window at 5433 down to 5441. Make- up jt 171 and rig up Basin wireline on top of swivel.Wait on Gyro tool to calibrate.Pick-up tool and run on in and seat tool. Slide with gyro tool from 5445 to 5472 with 20 K down pump pressure at 1800 psi with 2 1/2 bbls a min with good returns. Crew change at 6:00 tail gate safety meeting with all contractors on location topic was wireline operations, high pressure lines, communication. Continue to slide drill.
13	11/1/2012	11/2/2012	This is the report on MCU N-15 Capital Injector Key rig #27 Finish sliding to 5472. Circulate well clean Pull up on gyro tools and make connection Pick up jt 172 establish circulation. Slide from 5472 to 5479, with 25 K down pump pressure at 1800 psi at 2 1/2 bbls a min with returns of formation shale. Drift update 1.81. Slide from 5479 to 5488, drift update 1.82. Slide from 5488 to 5501.Shut down to change out valve on rig pump which was leaking. Break circulation and clean up well bore of formation shale. Pull up and break out connection. Lay down gyro tools also rig down Basin wireline truck. After pulling tool attempted to survey but tool failed to pulse.Tried to set tool on bottom to get tool to pulse, but did not work.Crew change at 18:00 safety meeting with contractors on location topic was tripping DP, hand placement, pinch points, tong operation. Rig down power swivel and hang back TOH to last shallow test point to test tool. Rig up hose on to tubing and pump up to survey still no pulse.Rig down hose continue to TOH with Directional tools. Lay down directional tool, 2 monels, and replace UBHO sub. There was traces of cuttings in side and around tools .Replace UBHO sub and picked up 2 monels with another set of tools. TIH with HWDP rig up hoses to test tool . Shut down to work on rig pump also tubing tongs.Pump and test tools to for pulses. pump pressure at 600 psi (Good Test). There was a miss communication between rig hands and Directional hands about pressures. Rig down hoses and TIH with BHA to 5125. Crew change at 6:00 safety meeting topic was high pressure, good housekeeping, staying on top of fluids. Continue to TIH to window top.



Daily Well Report

Well Name: Mcelmo Cr N15

API Number 43037056710000	Section 5	Township 41S	Range 25E	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	Rig Release Date/Time		

Report Number	Start Date	End Date	Summary
14	11/2/2012	11/3/2012	This is the report on MCU N-15 Capital Injector Key rig #27. Finish TIH. Rig up power swivel and pick-up jt 170. Clean out suction end of tank. Move vac trucks on location with 1 50 bbls of 13.5# mud. When valve was open on vac truck the mud had falling out, Call Terrance at mud plant to inform him of the situation with the mud. Haul 150 bbls back for recondition and picked-up the another 150 that ws in the pit. Recondition well bore with 13.5# mud. Pick up jt 172 and 173. .Crew change at 1800 safety meeting topic was high pressure lines, communication, job task. Circulate well around mud started to show signs of bubble add deformer and soad ash. Start drilling from 5503 to 5509 with 25 K down pump pressure at 1850 psi with good returns of formation shale. Well started to show signs of gas kick .Lost readings on tool pull-up and circulate well around Gas was migrating up, circulate kick around and start trouble shot tools starting with transducer also replace hoses with no success. Lay down 4 jts to 5409.pump down tubing to but tool failed to pulse.Rig down swivel and hand back. TOH with directional tools. Replace tool and run HW to test for pulse good test.Crew change at 6:00 safety meeting with contractors on location topic was pinch points,job task, hand placement, Peter with Mesa West decided to change out spring on bottom of tool. Start out with HW.
15	11/3/2012	11/4/2012	Report for MCU N-15 Capital Injector Key Rig 27, While Standing back HWDP crew noticed a washed out crack on box end of HWDP, Began cleaning and checking every jt as we lay them down, 1 jt washed out crack, 8 jts mushroom @ box. Lay down 10 jts HWDP, TIH 8 jts HWDP, Lay down 8 jts HWDP. L/D 1 jt Monel, Pull MWD tool to replace piston cap and test tool, Cap replaced, Good test on tool. Wait on replacement HWDP from town for 1 hr, While waiting took HWDP off racks put on trailer. 14 jts HWDP on loc, Unload trailer put HWDP on racks, Load HWDP off one trailer onto the next to be taken to town, Tally HWDP. P/U MWD tool, 1 jt Monel. P/U 14 jts HWDP. M/U pumping T to DP, Test MWD Tool, Good Test. TIH 150 jts DP. P/U 6 jts DP. P/U Power Swivel. P/U 3 jts w/ swivel taking survey while working to bottom. Tag bottom @ 5506' Slide F/ 5506' T/ 5538', Survey @ 5493' 9.4 Inc 184 deg Azm, Crew change @ 1800 hrs Safety Meeting on House keeping, Job Hazards, Slide F/ 5538' T/ 5558', 20- 25K on bit while sliding, 85-90 storkes on pump, 3 bbls min @ 2000psi, Mud is @ 14#, 42 vis 9 Ph. Crew change @ 0600 hrs Safety Meeting on Making connections, PSI on lines.
16	11/4/2012	11/5/2012	Report for MCU N-15 Capital Injector Key Rig 27, Continue to drill open hole w/ Directional tools, Rotate F/ 5558' T/ 5569', Survey @ 5524', 13.4 Inc 184.3 Azm, Rotate F/ 5569' T 5601', Survey @ 5556' 17.4 Inc 184.1 Azm, Rotate F/ 5601' T/ 5632', Survey @ 5587' 17.9 Inc 183.3 Azm, Crew change @ 1800 hrs Safety Meeting on Rotating equipment, Watch fluid levels, Rotate F/ 5632' T/ 5664', Survey @ 5619 17.7 Inc 182.6 Azm, Rotate F/ 5664' T/ 5678', TVD @ 5670', Survey @ 5633' 17.7 Inc 181.6 Azm 44.02 Ft away from original well bore, 20- 25K on bit when Sliding, 90 strokes on pump @ 2000 psi, Mud is @ 14.1# 42 Vis 9 Ph. Circ well bore clean for 30 min. L/D 10 jts DP w/ Swivel get back into casing. Hang Swivel back in derrick. TOH 154 jts DP, 14 jts HWDP. L/D X/O, 2 jts Monel, MWD Tool, UBHO, Mud Motor & Bit, P/U Bit, Bit Sub, X/O, Float, X/O. TIH 14 jts HWDP, 77 jts DP. Crew change 0600 hrs Safety Meeting on 100% tied off, Tong operations, Handling DP.
17	11/5/2012	11/6/2012	Report for MUC N-15 Capital Injector Key Rig 27, Contiune to TIH 77 jts DP. P/U Power Swivel. P/U 13 jts w/ Swivel Tag @ 5678'. Roll well bore w/ Produce water, Return 14.1# mud to Pit, Good circulation w/ produce water, Slight gas on returns. Drill open hole F/ 5678' T/ 5800' TD, 15- 20K on bit, 70 to 80 RPM on DP, Drilling w/ 9.4 produce water, 60 strokes on the pump 2 bbls min @ 500psi. Circ well bore clean for 30 min. L/D 16 jts w/ Swivel, Bring BHA into casing. Roll well bore w/ 14# mud, Return Produce water & Gas to frac tank hand Three Rivers haul fluids to Area 1. Hang Swivel back in derrick. TOH 155 jts 2 7/8 AHO DP. L/D 14 jts HWDP and BHA, Move HWDP off pipe racks to trailer. Blujet on loc, Spot in wireline truck, Safety Meeting w/ everyone on loc about Wireline Safety, Job Hazards, Turn off Cell Phones, Rig up wireline equipment, P/U 2 10' Chem Frac guns w/ spacer, RIH to 5714', Shoot off Chem Frac, 5714' to 5724' and 5744' to 5754', ROH w/ wireline, Rig down equipment, Release Bluejet. Move 2 7/8 YB tbg to pipe racks, Tally and P/U 4' perf sub w/ bull plug, 16 jts TBG and Treating PKR. TIH 155 jts DP. P/U 12 jts DP, Set Treating PKR @ 5266.25', End of Tailpipe @ 5778'. Hailbuton Acid Crew on location, Spot in trucks and Safety Shower, Hold Safety Meeting w/ eveyrone on loc on Acid Safety and Shower Usage, Rig up hard lines from pump truck to DP, Crew change @ 0600 hrs Safety Meeting on Acid Safety and Job Hazards.



Daily Well Report

Well Name: Mcelmo Cr N15

API Number 43037056710000	Section 5	Township 41S	Range 25E	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	Rig Release Date/Time		

Report Number	Start Date	End Date	Summary
18	11/6/2012	11/7/2012	This is the report on MCU N-15 Capital Injector Key rig #27 Finish rigging up Halliburton Pressure test lines to 5000 psi Good test. Pump 2 bbls of F/W for spacer and 6000 gals of 28% HCL with 3370 psi at 4 to 5 bbls a min.. Displace with 73 bbls of F/W at 5 bbls a min.with pressure at 2743 psi. Monitor pressure after 5 mins was 1212 psi, 10 mins at 903 psi 15 mins at 783 psi. Shut in well and rig down Halliburton and move off. Shut in well for 2 hours had Key pusher run to town to pick-up drill line . Take pressure readings on tubing pressure at 250 psi. Open well through choke to flow well back to frac tank for 30 mins pressure drop to 150 psi. Shut in well to change out drill line.Crew change at 18:00 safety meeting with contractors on location topic was good housekeeping, hand placement, job task. Reopen well take pressure reading pressure at 150 psi. Open well through choke and flow well back for 30 mins pressure drop down to 0 psi. Shut in well and rig up Tefeller to set a 1.78 plug come out and move off. Pull up and open by pass to pump 10# around to get 220 bbls of 14.1# mud out of casing. In the progress of unsetting packer pull up to release pulled 10 K to 15 K over string weight. Work packer up and down to release. Rig Tefeller back up to reapture disc. Pressure test lubricator to 600 psi rupture disc pressure down to 0 psi come out and pick up retrieving tool to recover 1.78 plug.Pick up 1.157 gauge ring and run on down to 5779 come out and rig down Tefeller and move off. Crew change at 6:00 safty meeting with contractors on location topic was communication, use of tag lines. Continue to work packer.
19	11/7/2012	11/8/2012	This is on the MCU N-15 Capital Injector Key rig #27 Continue to pump down well while trying to free up oacker. Free up on packer and tail joints lay down 2 jts and TOH with BHA. Break down treating packer and load. Lay down 16 jts of 2 7/8 Y/B tubing with perf sub and bull plug. Move equipment around to prepair to run mills . Make -up BHA with 6 1/4 bit 6 1/4 mill, scraper, Bit sub, crossover back to AOH DP. TIH to 5299. Rig up power swivel. With slight rotation on mill, rotate on down to 5426. TOH with BHA and break down tools. Move wash over pipe to pipe rack and tally. Pick-up 2 jts of wash over pipe crossover back to AOH. TIH to 5426. TOH with BHA and break down. TIH open ended to 3458.83 for kill string. Crew change at 6:00 safety meeting with contractors on location topic was hearing protection, fall protection, job task. Continue to wait on metal skins
20	11/8/2012	11/9/2012	This is the report on the MCU N-15 Capital Injector Key rig # 27 Waited on Weatherford Metal Skin to be delivered. Crew perform routine maintains on equipment Monitor pressure through out shift 0 psi. Well had a slight blow and would unload fluids every now and then. Call Operation Supervisor to get more details on when skins were to be delivered to location. Crew change at 18:00 tail gate safety meeting with 13 personal on location topic was suspended loads, good communication during job, hand placement, pinch points, Pump 20 bbls of 10# down tubing. Start out of hole with Drill Pipe..Wait till metal skins to arrive on location. Unload metal skin patch off truck and transfer to pipe racks. Finish TOH with DP. Make up inner string with (3 1/2' sub) x/o K Box 2.7, Ext Bars, Profile sub, Hydraulic setting tool, 2 7/8 bumper sub,slide valve, x over. Stand back inner string and rig up casing crew. Pick up and make up cone,GS Spear Receiver, MCL Anchor, MCL Standard Jt, MCL Isolation Joint, MCL Top Joint, Telescoping Liner Stop, Split Bushing, GS Spear, Debris Sub. Rig down casing crew and move off. Run in hole with inner string. Fill tool jts up with water. Start in hole with DP. Crew change at 6:00 safety meeting with contractors on location topic was hand placement, high pressure lines, job task. Continue to TIH with BHA
21	11/9/2012	11/10/2012	Report for MCU N-15 Capital Injector Key Rig 27, Finish tripping in the hole w/ Metal Skins. Rig up Bio Mass pump truck to TBG Swivel, Load DP w/ fresh water, PSI up to 3500 PSI to engage jack, Continue to PSI up to 4800 psi to fully extend jack, Repeat process 15 times to set Metal Skin, Tentative Skin depth as follows Top @ 5341' Skin Shoe @ 5413'. TOH 166 jts DP. Lay down Skin setting tools, Pick up On and OFF tool, Arrow Set PKR w/ plug. TIH 166 jts DP. P/U 5 jts DP, Attempt to set PKR @ 5393' no success, Work DP up and down, Turn DP w/ tongs, PKR still wont set, Slight drag on PKR, Still wont set, Make discission to TOH check PKR. TOH 171 jts DP. Check Arrow set PKR, Show marking on drag blocks and gritty sand on PKR, Lay PKR down. Wait on Weatherford PKR hand to bring replacement Arrow Set PKR for 1.5 hrs, Pick up PKR. TIH 171 jts DP. Try again to set PKR @ 5395', No success, P/U 1 jt DP, Tag to of Skin @ 5412', Go down 10' PKR set @ 5422', Release PKR, Go do to 5424' try to tag whipstock, No whipstock smooth slide pass window, Pull PKR up to 5400', Go through Weatherford Metal Skin Tally to check setting depth, Notice a common instead on period on Metal Skin BHA, Common caused 60' of tbg not to be added, Skins set deeper then planned, Called and notified Wheatherford & Donnie, L/D 1 jt DP. TOH 171 jts DP. Lay down ON and OFF tool w/ Arrow set PKR. Bluejet on loc, Crew change @ 0600hrs Safety Meeting Wireline Safety, Job Hazards, Slips Trip & Fall.



Daily Well Report

Well Name: Mcelmo Cr N15

API Number 43037056710000	Section 5	Township 41S	Range 25E	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	Rig Release Date/Time		

Report Number	Start Date	End Date	Summary
22	11/10/2012	11/11/2012	Report for MCU N-15 Capital Injector Key Rig 27, Rig up Blue Jet Wireline equipment, P/U CCL tool, RIH to 5500' log to 5200', ROH w/ CCL tool, Lay down tool, Top of Metal Skin @ 5412' Bottom @ 5446', Rig down wire line equipment, Release Blue Jet. Call & notify Donnie of Metal Skin depths, Make arrangements to set second skin. Wait on Weatherford Metal Skin hand for 3 hrs. Pick up setting tools, Debris Sub, Rod Box, Ext Bars, Profile Sub, Bottom Setting Tool, Hydraulic Setting Tool, Hold Down, 2 7/8 TBG, Bumper Sub, Slide Valve, Pup, and X/O, San Juan Casing on loc to make up Skins, Rig down Casing equipment. TIH 166 jts DP. Crew change @ 1800 hrs Safety Meeting w/ everyone on loc about PSI on Lines, L/D DP, Communication, Rig up Bio Mass pump truck to tbg Swivel, Start pumping to set Skin, Bottom of Skin @ 5394' PSI up to 4500psi to set skin repeat process 14 times to set Skin, Bottom of skin @ 5394' Top @ 5325', Bleed off psi, Rig down Bio Mass pump truck, L/D TBG Swivel. TOH 162 jts DP. L/D Setting Tools, P/U Arrow set PKR w/ On & Off tool. TIH 170 jts DP. P/U 1 jt DP to Set PKR @ 5374', 20' from bottom of Metal Skin, J Off PKR, L/D 1 JT. M/U pumping T to DP, Circ well bore w/ Fresh Water. Crew Change @ 0600 hrs Safety Meeting on 100% Tie Off, DP Handling, Team Work.
23	11/11/2012	11/12/2012	Report for MCU N-15 Capital Injector Key Rig 27, Circ brine water out of well bore with 170 bbls fresh water, Rig down pumping T. Lay down 115 jts DP, Move DP off racks to trailer when needed. TOH 55 jts DP. L/D On & Off tool, P/U RBP. TIH 55 jts. Set RBP @ 1730'. L/D 5 jts DP. TOH 50 jts DP. Dump 5 bags sand on top of RBP, Waited 30 min for sand to settle to bottom. Blue Jet on loc, Spot in truck held Safety Meeting w/ everyone on loc Wireline Safety, No Cell Phones, Rig up wireline equipment and perf gun, P/U gun RIH to 1624', Shoot 8 shots F/ 1624' T/ 1626', ROH L/D gun all shots went off, Rig down wireline equipment, Release Blue jet. Close blind rams, Pump down casing PSI to 1400psi to break Circ through Braiding head, Circ 90 bbls fresh water @ 300psi, Return rust color fluid & 40 bbls Drilling Mud. P/U CICR TIH 50 jts DP. Attempt to set CICR no success, Rotate DP w/ tongs, Work DP up and down CICR still wont set. TOH 50 jts DP, L/D CICR. While breaking retainer from DP, retainer slips fell to top of blind rams, Setting tool would not rotate fill with junk, Fished out slips from top on Blinds, Waited on replacement retainer. P/U CICR, TIH 50 jts DP. Set CICR @ 1576', PSI test backside of DP to 800psi, test good, Pump down DP, Good circ through braiding head. Baker Cement crew on loc, Spot in trucks, Safety Meeting w/ everyone on loc PSI on Lines, Watch Returns, Communication, Rig up hard lines to DP, PSI test lines to 2200psi, test good, Pump 5 bbls H2O spacer, 87 bbls Premium Lift FM Cement @ 12.1 wgt 2.12 YLD 11.76 GPS, 6.5 H2O Displacement, Sting out Retainer, left .5 bbls cement on top Retainer (10' cement), Pull 2 jts DP, Reverse circ DP clean w/ 8 bbls fresh water, Return 9 bbls cement & 77 bbls fluid, Wash and clean mix truck and start rigging down lines, while rigging down TOH 48 jts DP, Release Baker Cement crew. Wait on Cement for next 24 hours.
24	11/12/2012	11/13/2012	This is the report on MCU N-15 Capital Injector Key rig #27. Waited on cement to cure. Crew on on location at 18:00 safety meeting with crew topic was fork lift operations, suspended loads, hand placement. Move 6 -(3 1/2) Drill Collars to pipe racks and tally. Top off all fluids on equipment. Wait on cement. Make up (6 1/4) 4 blade junk mill with bit sub. Pick up 6 3 1/2 drill collars x over back to AOH. TIH tally in and tag at 1573. top of retainer. Rig up swivel and establish circulation, tag and start mill out with 6 K down at 2 bbls a min with pump pressure of 600 psi with good returns of metal.. Crew change at 6:00 tail gate safety meeting with contractors on location topic was job task, communication, high pressure lines, Continue to milling.
25	11/13/2012	11/14/2012	This is on the MCU N-15 Capital Injector Key rig #27 Finish milling out cement. fell out at 1644 a total of 65 ft. Circulate well clean and pressure test casing to 1100 psi for 30 mins. Had bleed off of 30 psi in 30 mins. Retest with bleed off of 25 psi in 30 mins. Bleed off pressure and TOH with 3 1/2 collars lay them down. Make up BHA with 6 1/4 bit, 6.1/4 Mill, scraper, bit sub, crossover. TIH to 1526, rig up swivel with slight rotation run mills down to 1684.. Rig down swivel and TOH with mills Make up magnet. TIH to top of sand at 1727. Crew change at 18:00 safety meeting with 16 personal on location topic was tripping drill pipe, communication, job task Come out and recovered chunks of metal. Clean off magnet and start back in hole when pins on tubing slips broke apart. Shut down so pusher could get another set. Finish TIH tagged and work magnet, TOH to magnet showed 3 small pieces of metal. Make up retrieving tool and TIH. Reverse circulate sand off plug. Could not latch on all the way pull up just above RBP and serge tubing returns were small metal shaving. Try again with out success. Hang back swivel and TOH with retrieving tool. Pick -up magnet and TIH to top of plug at 1730. TOH with BHA. Looking at magnet the hole bottom cone of the retainer was recovered. TIH with retrieving tool and rig up swivel to circulate and latch on. Crew change at 6:00 tail gate safety meeting with contractors on location topic was hand placement job task. communication. Circulate and Latch on continue to circulate



Daily Well Report

Well Name: Mcelmo Cr N15

API Number 43037056710000	Section 5	Township 41S	Range 25E	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	Rig Release Date/Time		

Report Number	Start Date	End Date	Summary
26	11/14/2012	11/15/2012	This is the report on MCU N-15 Finish circulation well around rig down hoses and release RBP. Start out of hole pull up to 3 jts out when RBP set release and come all the way out. Load up tool. Unload metal skins to pipe racks and prep. Hold safety meeting with all contractors on location topic was communication, suspended loads, hand placement, high pressure lines. Rig up casing crew and make up, cone for 23# casing ,GS Spear Receiver, MCL Anchor Joint, 2 MCL Isolation Joints, MCL Top Joint, Run on in with inner string and fill tools with F/W. TIH with 46 jts to the depth of 1647.87. Pick up jt 47 and run on down to 1679.01 and make up tubing swivel and rig up pump truck.Pull up 15 ft to get on depth at 1664 with -2 ft for KB correction putting the bottom of skins at 1662. Pressure up to 4500 psi with no pressure breaks bleed off pressure .pull up 50 K over string weight pull up 5 ft and repeat process.. Expand next 10 ft with 40 K over pull.Lay down jt expand next 30 ft with 60 to 85 K over pull.Continue to pressure up to 4500 psi.Repeat the process through expansion. Pick-up 90 K over string weight pressure up to 2500 psi where cone exit liner.At this point we were 20 to 25 ft higher Lay down 2 jts and pull up to pressure test casing to 1100 psi. pressure had a bleed off of 200 psi in 30 mins.Crew change at 18:00 safety meeting with all contractors on location topic was job task,suspended loads, hand placement. TOH with BHA and break down tools and load. Pressure test casing to 1100 psi had a bleed off of 350 psi in 1 hour. Notify Donnie about the situation.Call out Blue Jet to locate the top of liner. Wait on wireline.Rig up wireline to run MITTottom of liner at 1626 and top at 1556. Rig down wireline and move off Crew change at 6:00 safety meeting topic was good house keeping, proper ppe. Wait on orders.
27	11/15/2012	11/16/2012	Report for MCU N-15 Capital Injector Key Rig 27, Wait on orders for 4 hrs. TIH 42 jts DP. L/D 42 jts DP, Move DP off racks to trailer. Yellow Band TBG on loc, Move TBG F/ Trailer T/ Racks and tally. P/U 168 jts YB TBG, Crew change @ 1800 hrs Safety Meeting on Tripping TBG, 100% Tie Off, Tong Operations. TOH 168 jts 2 7/8 tbg. P/U PKR w/ On & Off tool, TIH 168 jts 2 7/8 tbg. P/U 1 jt tbg to set PKR @ 5340', 15' below top of Skin, Top of Skin @ 5325', L/D 1 jt tbg, Pour 5 bags of sand down TBG on top of PKR. TOH 168 jts TBG. L/D On & Off tool, TIH open ended 51 jts TBG. P/U 2 pub jts 6' & 10', End of TBG @ 1626'. Spot in Halliburton Cement trucks, Three Rivers vac truck w/ fresh water, Safety Meeting w/ everyone on loc (PSI on Lines, Emergency Plan, Communication) Rig up hard lines to rig floor & TBG, PSI test lines to 2500psi, Test good, Pump 10 bbls Fresh Water Spacer, 5 bbls Fine Cement @ 12.5 wgt .8 YLD 4.76 GPS, 8.5 bbls Fresh Water Displacement, Rig down lines, Pulled 6 jts TBG, Rig up lines to TBG, Load CSG w/ Fresh water, PSI up to 1100psi for 10 min, Lost 52 psi, PSI up to 1100 psi for 10 min, Lost 7psi, PSI up to 1100psi for 10 min, Lost 7 psi, Squeezed 2.2 bbls of cement, PSI up 1100psi SIW w/ TIW Holding 1100psi, Rig down Hard lines, Wash and clean pump truck, Release Halliburton Cement Crew.

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 GAS WELL DRY OTHER water injection

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

2. NAME OF OPERATOR: **Resolute Natural Resources**

3. ADDRESS OF OPERATOR: **1675 Broadway, Ste 195** CITY **Denver** STATE **CO** ZIP **80202** PHONE NUMBER: **(303) 573-4886**

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **2213 FSL, 949 FWL**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **2163 FSL, 949 FWL**
AT TOTAL DEPTH: **2082 FSL, 949 FWL**

5. LEASE DESIGNATION AND SERIAL NUMBER: **1420603372**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: **Navajo**

7. UNIT or CA AGREEMENT NAME: **McElmo Creek**

8. WELL NAME and NUMBER: **NAVAJO C-6/MCELMO N-15**

9. API NUMBER: **4303716363**

10. FIELD AND POOL, OR WILDCAT: **Greater Aneth**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWSW 5 41S 25E S**

12. COUNTY: **San Juan** 13. STATE: **UTAH**

14. DATE SPUDDED: **10/26/2012** 15. DATE T.D. REACHED: **11/5/2012** 16. DATE COMPLETED: **11/28/2012** ABANDONED READY TO PRODUCE 17. ELEVATIONS (DF, RKB, RT, GL): **4792 GL**

18. TOTAL DEPTH: MD **5,800** TVD **5,800** 19. PLUG BACK T.D.: MD _____ TVD _____ 20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____ 21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each): **Cement bond log**

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (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	10.75 J-55	40.5	0	1,460		B 800		0 CIR	
7.875	7.0 J-55	23	0	5,830		B 900		3077 TS	

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	5,778	5,266						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) DC IA	5,593				5,590 5,620			Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) DC IIA	5,652				5,621 5,622			Open <input type="checkbox"/> Squeezed <input checked="" type="checkbox"/>
(C) DC IIB	5,671				5,640 5,668			Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D) DC IIC	5,687				5,682 5,744			Open <input type="checkbox"/> Squeezed <input checked="" type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5266 to TD open hole	2 bbls FW head, 6000 gal 28% HCl acid, 73 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: _____

30. WELL STATUS: **injecting**

RECEIVED
DEC 31 2012
DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (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 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.)

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.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Upper Ismay	5,460			Chimney Rock Shale	5,776
Lower Ismay	5,523				
Gothic Shale	5,583				
Desert Creek IA	5,583				
Desert Creek IB	5,620				
Desert Creek IC	5,633				
Desert Creek IIA	5,652				
Desert Creek IIB	5,671				
Desert Creek IIC	5,687				
Desert Creek III	5,755				

34. FORMATION (Log) MARKERS:

35. ADDITIONAL REMARKS (Include plugging procedure)

Injection line plumbed in 11-28-12, MIT done 11-20-12, attached to this report, FTP 0 psi, SICP 0 psi.

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 12/27/2012

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
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
 Fax: 801-359-3940

Well Name: Mcelmo Cr N15

API Number 43037056710000	Section 5	Township 41S	Range 25E	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	Rig Release Date/Time		

Job Category MIT	Primary Job Type Mechanical Integrity Test	Secondary Job Type	Working Interest (%)
Start Date 11/20/2012	End Date 11/20/2012	AFE Number	

Objective

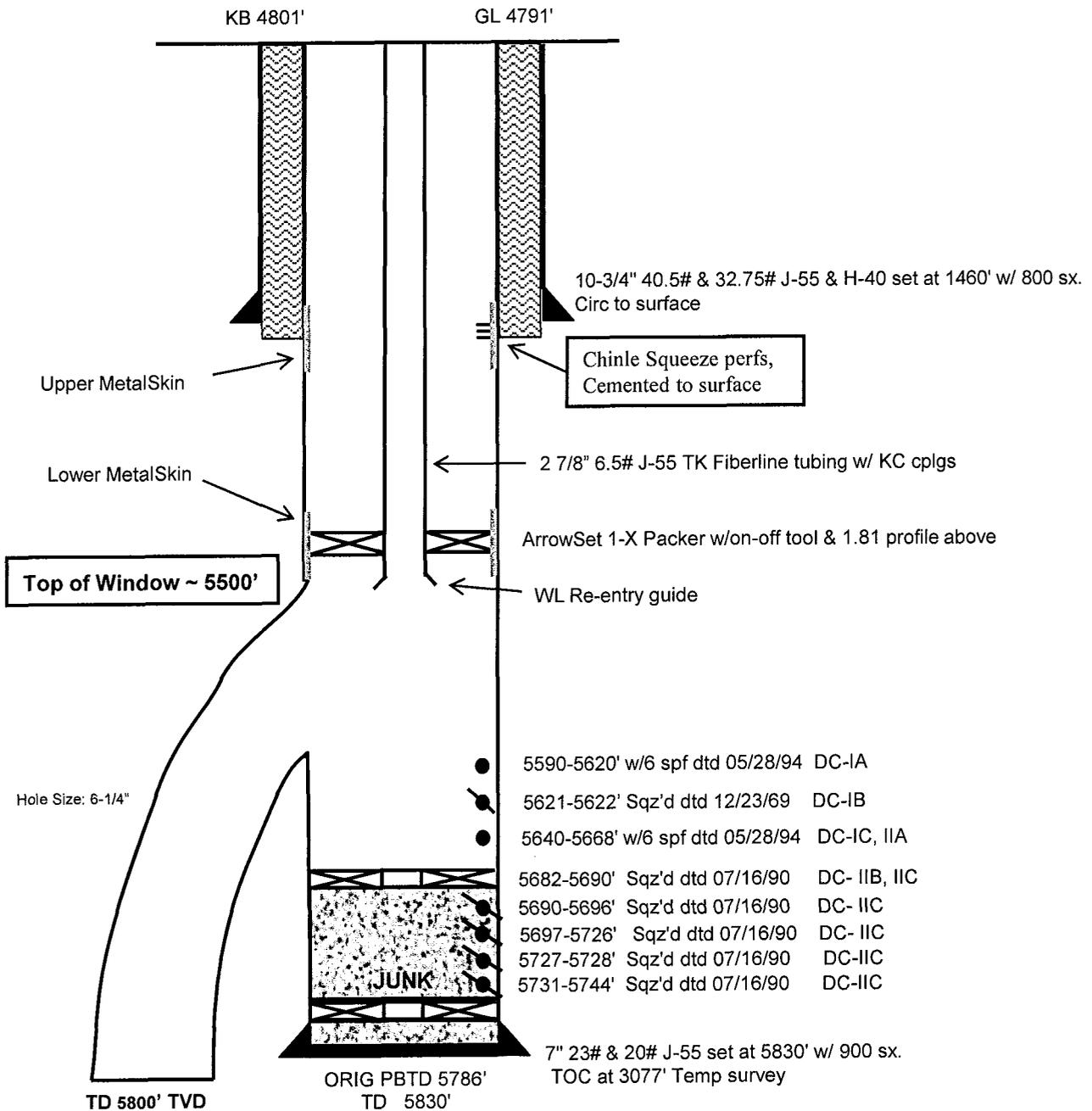
Contractor Wilson Services	Rig Number	Rig Type	Rig Start Date 11/20/2012	Rig Release Date 11/20/2012
-------------------------------	------------	----------	------------------------------	--------------------------------

Report Number	Start Date	End Date	Summary
1	11/20/2012	11/20/2012	Road press truck to loc. (Jsa, Tailgate Safety Mtg. (Rig still on loc, Monitor pressures). FTP 0 psig. SICP 0 psig. MIRU Press Tst truck. Press Csg to 1,000 psig. Chart csg for 30 min. Csg held steady 1,000 psig w/0 tbg psig gain. Passed MIT. Witnessed by LeRoy Lee NNEPA. Bd press. RDMO Wilson Services press truck.

McELMO CREEK UNIT # N-15
 GREATER ANETH FIELD
 2213' FSL & 949' FWL
 SEC 5-T41S-R25E
 SAN JUAN COUNTY, UTAH
 API 43-037-16363
 PRISM 0000327

INJECTOR

**Attachment 2:
 Wellbore Deepened to
 DCIIC,
 Open Hole Completion**



ENTITY ACTION FORM

Operator: Resolute Natural Resources Operator Account Number: N 2700
 Address: 1675 Broadway, Ste 1950
city Denver
state CO zip 80202 Phone Number: (303) 573-4886

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303716363	McElmo Creek N-15		NWSW	5	41S	25E	San Juan
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
E	99990	5980	10/27/2012		1.9.2013		
Comments: <u>deepened existing wellbore to recomplete in DC-IIC formation</u> <u>DSCR</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303730384	McElmo Creek C-15		NESW	2	41S	24E	San Juan
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
E			12/9/2012				
Comments: <u>work not complete</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4303715519	McElmo Creek P-17		NWNE	8	41S	25E	San Juan
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
E			11/6/2012				
Comments: <u>work not complete</u>							

RECEIVED
DEC 31 2013

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Sherry Glass

Name (Please Print)

Sherry Glass

Signature

Sr. Regulatory Technician

12/27/2012

Title

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-372
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
--	--

1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: NAVAJO C-6 (MCELMO N-15)
--	---

2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037163630000
---	---

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
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 2213 FSL 0949 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 05 Township: 41.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/5/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Resolute proposes to perform a UIC repair on the McElmo Creek Unit N-15 in the 3rd quarter of 2013, per attachment of procedure and wellbore diagram attached.

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

Date: July 03, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Sherry Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 6/6/2013	

RESOLUTE

NATURAL RESOURCES

McElmo Creek Unit N-15 Injector UIC repair

Greater Aneth Field
2213' FSL & 949' FWL
Sec 5-T41S-R25E
San Juan County, Utah
API 43-037-16363

Job Scope

Job Scope: Set WL plug & PT; Pull tubing & replace if required; Pull & replace packer if required.

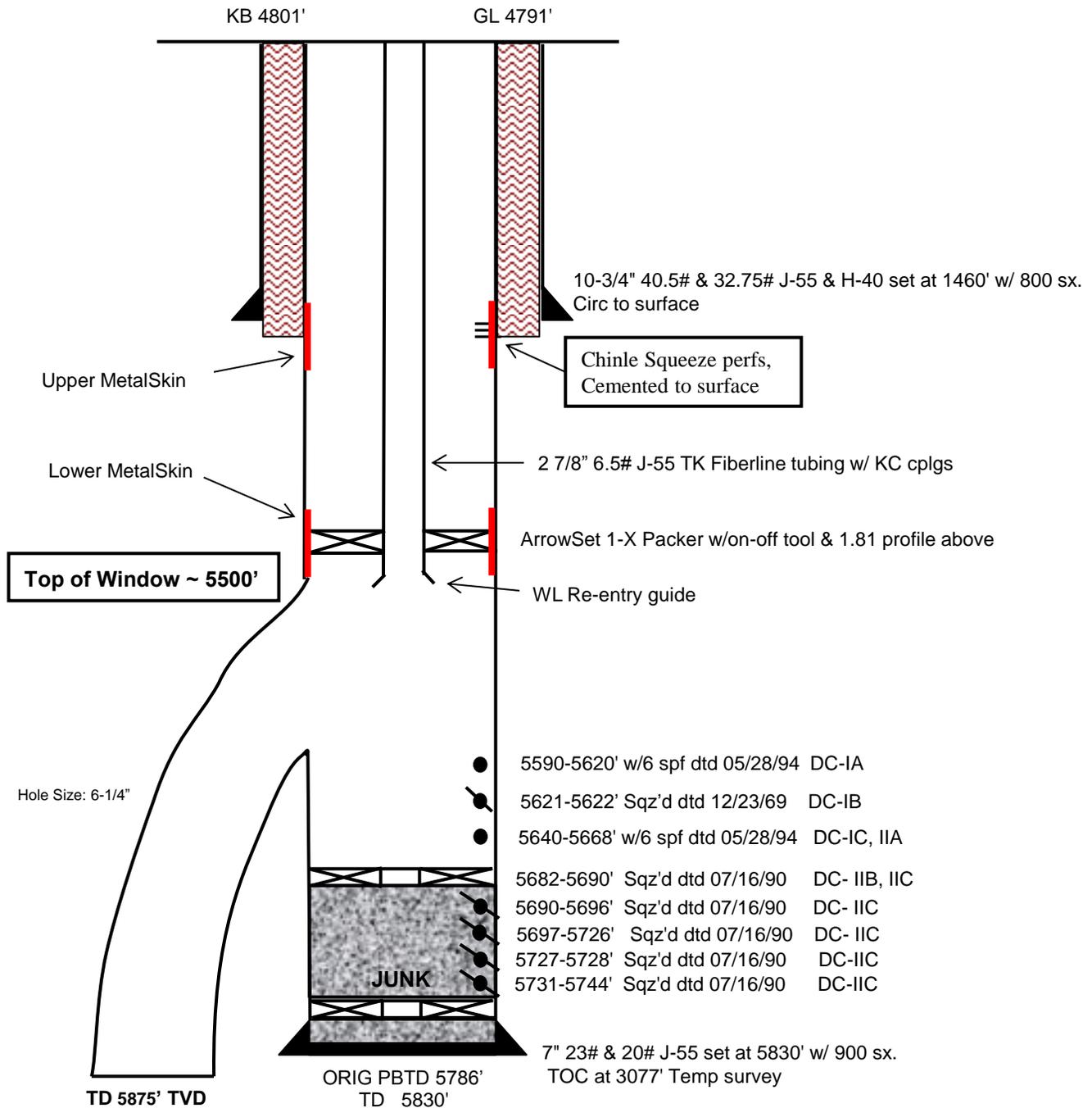
Procedure

1. RU WL & set 1.78 plug at 5386' KB.
2. Bleed down tubing & casing; monitor for buildup. Evaluate results.
3. MIRU WSU, LOTO.
4. RU WL and retrieve 1.78 plug. RDMO WL.
5. Calculate KWF & order same.
6. Ensure well is dead. ND WH, NU BOPE. PT BOP against landing donut.
7. J-off packer, circulate KWF.
8. POOH, standing back 2-7/8" Duoline tbg & on-off tool;
tubing was run 3-6-2013.
9. Examine each tubing connection on trip out, on/off tool, etc.
10. Depending on step 2 results, PU workstring, TIH to recover the Arrowset I-X packer set in MetalSkin at 5374' KB.
11. If required, RIH w/replacement Arrowset 1-X packer with plug in place. Set packer at ~5370' KB in MetalSkin liner (Metalskin inside 7" 26# = 5.49" ID).
12. Jay off packer & circ packer fluid up backside.
13. Perform mock MIT to 1000 psi.
14. POOH & LD workstring.
15. Re-run Duoline or run new 2-7/8" TK Fiberlined tubing w/KC cplgs and on/off tool per step 9 results.
16. Jay onto packer, space out & land tubing. Perform mock MIT after landing tbg.
17. ND BOP, NU WH.
18. MIRU slickline unit. Test lubricator to 2500#
19. RIH gauge ring, shear plug, and retrieve plug. RDMO slickline unit.
20. RD WSU.
21. Schedule MIT w/NNEPA.
22. Notify the Area Production Supervisor that well is ready to return to injection.
23. RDMOL.

McELMO CREEK UNIT # N-15

INJECTOR

GREATER ANETH FIELD
 2213' FSL & 949' FWL
 SEC 5-T41S-R25E
 SAN JUAN COUNTY, UTAH
 API 43-037-16363
 PRISM 0000327



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603372
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
--	--

1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: NAVAJO C-6 (MCELMO N-15)
--	---

2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037163630000
---	---

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: 2213 FSL 0949 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 05 Township: 41.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/27/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Resolute proposes to attempt UIC repairs to the tubing in the subject well to enhance area production. The proposed procedure and well bore schematic are attached. Work is to commence in late January, 2014.

Accepted by the Utah Division of Oil, Gas and Mining

Date: January 08, 2014

By: *Derek Quist*

NAME (PLEASE PRINT) Sherry Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 12/30/2013	

RESOLUTE NATURAL RESOURCES

**McElmo Creek Unit N-15
2140' FSL, 820' FWL
NWSW section 5-T41S-R25E
43-037-16363**

Injector UIC repair

Job Scope

Job Scope: Set WL plug & PT; Pull tubing & replace if required; Pull & replace packer if required.
Acid planned? N; Change of tubing size? N; Paraffin expected? NA

Work History

7/10/1990: Recompletion - Set CIBP & cmt sqz'd DC-IIB & IIC 5682-5744'; Acidized DC-I perfs; Ran injection packer BHA & 2-7/8" Fluoroline Tubing.

10/26/2012: Sidetrack - Cut window & sidetracked out of 7" csg for new DC-IIC open hole injection completion; ChemFrac'd & Acidized w/6000 gal 28% HCl; performed Chinle isolation perf & cement squeeze, installed MetalSkin liners near top of window for pkr seat & across Chinle sqz perfs; top metalskin set too high, exposing sqz perfs 1624-26'; performed fine cmt sqz #2 w/2.2 bbls to get passing MIT; ran 2-7/8" TK Fiberline tubing w/KC couplings. Rig Release 11-21-12.

2/4/2013: UIC Workover - Ran audio log - leak indicated at ~5100'. Pkr moving uphole when tbg hgr pins unlocked, reset at 5374'KB - held OK; killed well w/17# mud, pulled 2-7/8 tubing, no hole found but noted 7 bad joints and many loose connections. Latched pkr w/WS & pulled 30K - holding OK; PT annulus 1000 psi/30 min - OK; started to run 2-7/8 TK Fiberline tbg w/KC cplgs, pulled back out & LD due to lining problems; ran 2-7/8 Duoline tbg, LD 42 bad jts, landed tbg, mock MIT 1020/30 min - OK; WSU moved off 3/7/13; WL bailed fill & pulled plug, NNEPA witnessed MIT Passed 3/8/13. Shut in for high casing pressure on 4/09/13.

8/2/2013: PU tbg & installed new TC1A EN landing donut & new SS nipple. Test donut seal to 2500 psi - good test. Passed NNEPA witnessed MIT on 8/6/2013.

10/21/2013: Shut in for high CP.

Recent Injectivity: Avg 1752 BWPD @ 1615 TP (100% choke), in October 2013 prior to SI for Hi CP.

Procedure

Horsley Witten: YES - Chinle previously isolated

- 0.5 Re-test the tubing landing donut seals with WSI.
1. RU WL & set 1.78 plug at 5382' KB.
2. Bleed down tubing & casing; monitor for buildup. Evaluate results.
3. MIRU WSU, LOTO.
4. RU WL and retrieve 1.78 plug. RDMO WL.
5. Calculate KWF & order same.
6. Ensure well is dead. ND WH, NU BOPE. PT BOP against landing donut.
7. J-off packer, circulate KWF.
8. POOH, standing back 2-7/8" Duoline tbg (run 3-6-13) & on-off tool.

9. Examine each tubing connection on trip out, on/off tool, etc.
10. Depending on step 2 results, PU workstring, TIH to recover the Arrowset I-X packer set in MetalSkin at 5374' KB.
11. If required, RIH w/replacement Arrowset 1-X packer with plug in place. Set packer at ~5370' KB in MetalSkin liner (Metalskin inside 7" 26# = 5.49" ID).
12. Jay off packer & circ packer fluid up backside.
13. Perform mock MIT to 1000 psi.
14. POOH & LD workstring.
15. Re-run Duoline or run new 2-7/8" TK Fiberlined tbg w/KC cplgs or new 2-7/8 internally coated string (contact Bill Albert) - and re-dressed on/off tool.
16. Jay onto packer, space out & land tubing. Perform mock MIT after landing tbg.
17. ND BOP, NU WH.
18. MIRU slickline unit. Test lubricator to 2500 psi.
19. RIH gauge ring, shear plug, and retrieve plug. RDMO slickline unit.
20. RD WSU. Schedule witnessed MIT w/NNEPA.
21. RU WL & hang tandem 72 hr BHP tools below 1.78 R profile nipple at 5382' KB.
22. RU WL after 3 days & Pull BHP tools. RD WL.
23. Notify the Area Production Supervisor that well is ready to return to injection.

McELMO CREEK UNIT # N-15

GREATER ANETH FIELD

2140' FSL & 840' FWL

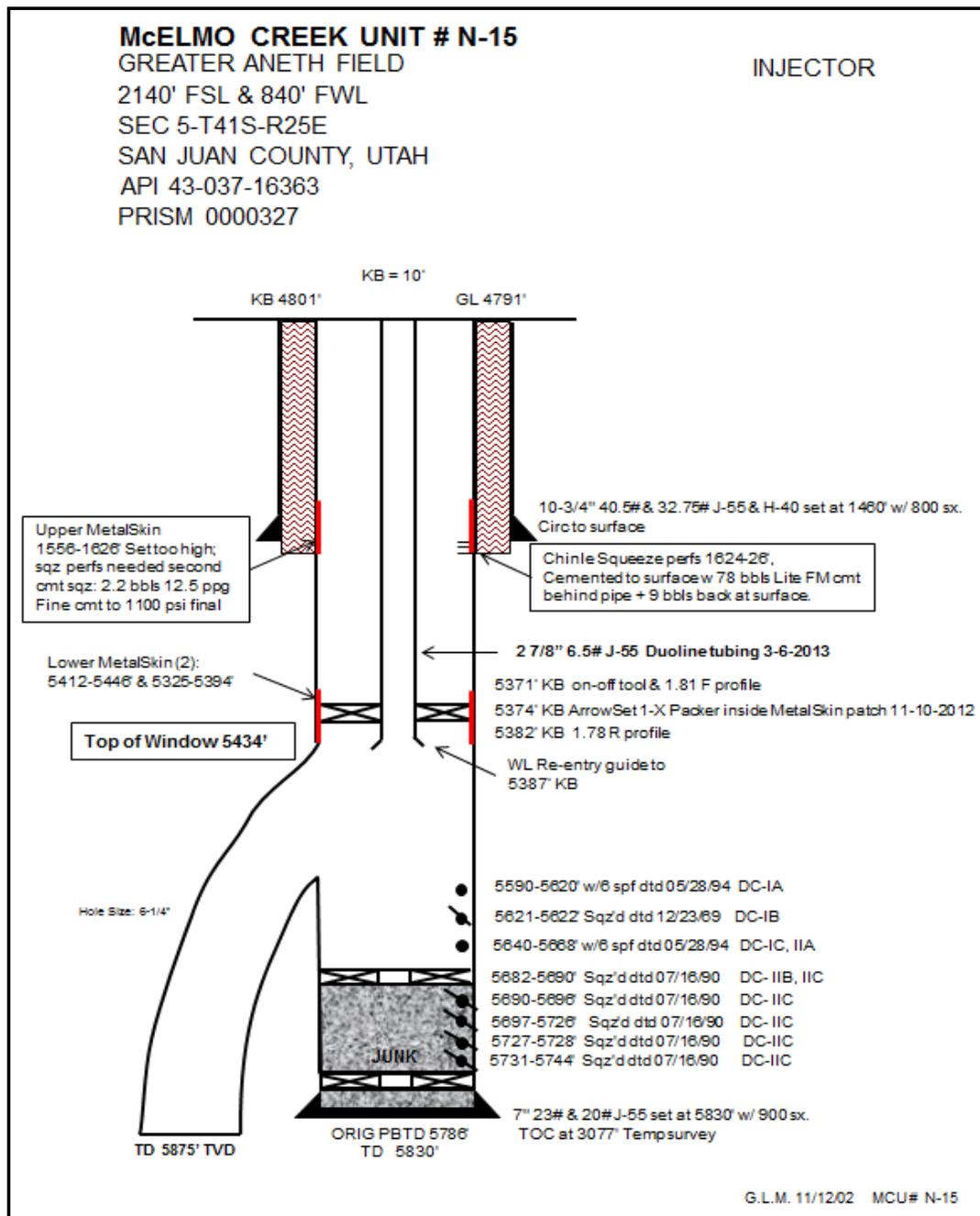
SEC 5-T41S-R25E

SAN JUAN COUNTY, UTAH

API 43-037-16363

PRISM 0000327

INJECTOR



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-372
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7.UNIT or CA AGREEMENT NAME: MCELMO CREEK
--	---

1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: NAVAJO C-6 (MCELMO N-15)
--	---

2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037163630000
---	---

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: 2213 FSL 0949 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 05 Township: 41.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/30/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Tracer Injection Test"/>

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

Resolute Natural Resources respectfully submits this sundry to propose a Tracer Injection Test on the above well. Attached are the procedures, schematic & MSDS sheets

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

Date: April 30, 2014
By: *Derek Quist*

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 4/24/2014	

RESOLUTE

NATURAL RESOURCES

Date: April 22, 2014

To: Erin Joseph

From: Ralph Schulte

CC: Jeff Roedell, Donnie Trimble, Carl Joseph, James Madison, Terry Lee, Lynn Begay, Ivan Benally, Wilson Dee, Jim Styler, Alfred Redhouse

Re: McElmo Creek Unit N-15 Tracer Injection Test

Recommendation

The MCU Production Engineer and Denver Reservoir staff recommend performing vertical injection profiles in N-15, N-19, and P-17. After vertical profiles are complete, chemical tracers (2) will be mixed with 400 bbls fresh water and injected, in each well, to determine flow patterns in the DCIIC Pattern area and immediate area outside the DCIIC pattern.

Job Scope

Job Scope: Perform vertical profile with wireline unit. Move in 400 bbl upright, fill w/ fresh water and tracer. Inject mix with pump truck.

Procedure

Vertical Tracer Profiles

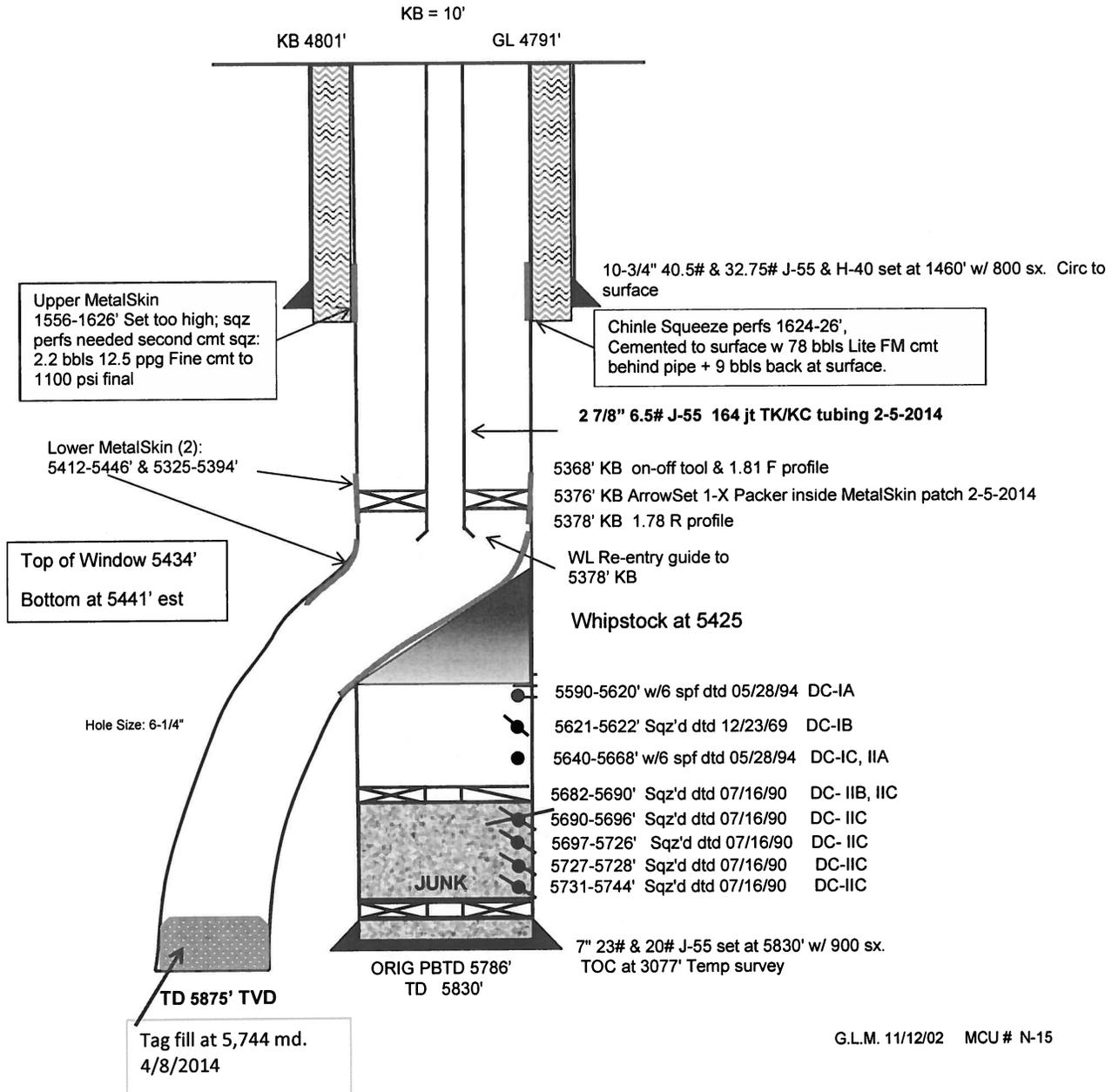
1. Check wellhead valves for operation.
2. MIRU Production Logging Services or other. Maintain/record rate w/ choke wide open.
3. RIH with gamma ray. Run baseline Gamma Ray from current PBTD to 5550. See attached schematic and openhole log. Tie into Gothic Shale Top at 5584. The Gothic Shale top will be the reference datum for the log will corrections to TVD made from it.
4. Perform drag injection profile survey over the 6-1/4" openhole section. Perform packer checks and behind pipe flow checks as deemed necessary.
5. Shut well in for minimum 1 hr. Perform temperature survey.
6. POOH. RD wireline unit.

Tracer Injection

1. MI clean 400 bbl upright tank. Fill with fresh water.
2. MIRU BJ to the wellhead and water tank.
3. Mix 1 gallon of FFI 2600 and 1 gallon of FFI 3300 with 20 bbls water. Roll back into tank using riser. See attached MSDS Sheets.
4. Repeat the process for gallons 2 - 10 of each chemical. (20 gallons total).
5. Roll the water tank for an additional 15 minutes to fully mix chemicals.
6. Inject the mixed tracer down the tubing. Planned rate of 2 -3 BPM at max pressure of 3000 psi.
7. Flush and clean the BJ pump truck with 80 bbls of fresh water out of vac truck (water only, no tracer).
8. RDMO BJ.
9. Start Injection at full choke.

McELMO CREEK UNIT # N-15
 GREATER ANETH FIELD
 2140' FSL & 840' FWL
 SEC 5-T41S-R25E
 SAN JUAN COUNTY, UTAH
 API 43-037-16363

INJECTOR



Spectrum Tracer LLC

Emergency Phone (918) 694-9537

MSDS#2600

Material Safety Data Sheet

FFI 2600

1. Material Identification

FFI 2600- Proprietary

2. HEALTH HAZARD INFORMATION

Irritant/Caustic

Irritating to skin, eyes, and respiratory system

May have harmful effects if inhaled or swallowed.

To the best of our knowledge, the health hazards of this material have not been fully investigated.

May contain up to 2% sodium hydroxide by weight

Wear proper protective equipment while handling

3. EXPOSURE CONTROLS/HANDLING/PERSONAL PROTECTION

Avoid prolonged exposure.

Do not breathe vapor.

Use caution when handling.

Exposure to any chemical should be limited.

Avoid all direct contact with product.

Wear protective safety goggles.

Wear chemical-resistant gloves.

Wear protective clothing and boots.

Wash all clothing before reuse.

Wash hands thoroughly after handling product.

Do not breathe dust or vapor.

Have safety shower and eye wash available.

Do not get in eyes, on skin, on clothing.

Ensure adequate ventilation during use.

Do not use tobacco products while handling FFI

Wash hands thoroughly before eating or drinking

4. FIRST AID

Eyes Contact: Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes while keeping eyes open. COLD water may be used. Seek medical attention.

Skin Contact: After contact with skin, wash with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Wash any contaminated clothing before reusing.

Inhalation: Take victim away from exposure to fresh air. Seek medical attention.

Spectrum Tracer LLC

Emergency Phone (918) 694-9537

MSDS#2600

Ingestion: Do not induce vomiting. Give water to victim to drink. Seek medical attention.

5. FIRE MEASURES

Use carbon dioxide, dry powder, water, or chemical foam to extinguish fire.
FFI may emit toxic fumes at high temperatures or fire conditions.
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin, eyes or respiratory system.

6. STORAGE INFORMATION

Keep container properly labeled and tightly closed.
Store containers in a cool, dry, and well-ventilated area.
Avoid sources of ignition.
Have spill containment and clean up products on hand.
Have eye wash source available.

7. ACCIDENTAL RELEASE MEASURES

Wear safety glasses, gloves, rubber boots, and dust mask while cleaning up spills. Ventilate area before clean up begins or wear respirator.
Use sand, Vermiculite, or diatomaceous earth to absorb spill. Scoop up and place in plastic lined closable container.

8. DISPOSAL INFORMATION

Dissolve in or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local laws.

9. PHYSICAL AND CHEMICAL PROPERTIES

Liquid- clear, opaque, yellow or pink in color
Caustic- contains up to 2% sodium hydroxide
Flammability- 1
M.W.-n/a
F.P.-n/a
INCOMPATIBILITIES: strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: may evolve carbon monoxide, carbon dioxide, hydrogen fluoride, sulfides, chloride or bromide containing compounds.

10. TOXICITY INFORMATION

To the best of our knowledge, the toxicological properties of this product have not been fully determined.

11. TRANSPORT INFORMATION

Classed non-hazardous for shipping

Spectrum Tracer LLC

Emergency Phone (918) 694-9537

MSDS#3300

Material Safety Data Sheet

FFI 3300

1. Material Identification

FFI 3300- Proprietary

2. HEALTH HAZARD INFORMATION

Irritant/Caustic

Irritating to skin, eyes, and respiratory system

May have harmful effects if inhaled or swallowed.

To the best of our knowledge, the health hazards of this material have not been fully investigated.

May contain up to 2% sodium hydroxide by weight

Wear proper protective equipment while handling

3. EXPOSURE CONTROLS/HANDLING/PERSONAL PROTECTION

Avoid prolonged exposure.

Do not breathe vapor.

Use caution when handling.

Exposure to any chemical should be limited.

Avoid all direct contact with product.

Wear protective safety goggles.

Wear chemical-resistant gloves.

Wear protective clothing and boots.

Wash all clothing before reuse.

Wash hands thoroughly after handling product.

Do not breathe dust or vapor.

Have safety shower and eye wash available.

Do not get in eyes, on skin, on clothing.

Ensure adequate ventilation during use.

Do not use tobacco products while handling FFI

Wash handles thoroughly before eating or drinking

4. FIRST AID

Eyes Contact: Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes while keeping eyes open. COLD water may be used. Seek medical attention.

Skin Contact: After contact with skin, wash with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Wash any contaminated clothing before reusing.

Inhalation: Take victim away from exposure to fresh air. Seek medical attention.

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Ingestion: Do not induce vomiting. Give water to victim to drink. Seek medical attention.

5. FIRE MEASURES

Use carbon dioxide, dry powder, water, or chemical foam to extinguish fire.

FFI may emit toxic fumes at high temperatures or fire conditions.

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin, eyes or respiratory system.

6. STORAGE INFORMATION

Keep container properly labeled and tightly closed.

Store containers in a cool, dry, and well-ventilated area.

Avoid sources of ignition.

Have spill containment and clean up products on hand.

Have eye wash source available.

7. ACCIDENTAL RELEASE MEASURES

Wear safety glasses, gloves, rubber boots, and dust mask while cleaning up spills. Ventilate area before clean up begins or wear respirator.

Use sand, Vermiculite, or diatomaceous earth to absorb spill. Scoop up and place in plastic lined closable container.

8. DISPOSAL INFORMATION

Dissolve in or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local laws.

9. PHYSICAL AND CHEMICAL PROPERTIES

Liquid- clear, opaque, yellow or pink in color

Caustic- contains up to 2% sodium hydroxide

Flammability- 1

M.W.-n/a

F.P.-n/a

INCOMPATIBILITIES: strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: may evolve carbon monoxide, carbon dioxide, hydrogen fluoride, sulfides, chloride or bromide containing compounds.

10. TOXICITY INFORMATION

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STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603372
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
		8. WELL NAME and NUMBER: NAVAJO C-6 (MCELMO N-15)
1. TYPE OF WELL Water Injection Well	9. API NUMBER: 43037163630000	
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. FIELD and POOL or WILDCAT: GREATER ANETH	
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202	PHONE NUMBER: 303 534-4600 Ext	COUNTY: SAN JUAN
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2213 FSL 0949 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 05 Township: 41.0S Range: 25.0E Meridian: S	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/1/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input 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 checked="" type="checkbox"/> OTHER	
OTHER: <input type="text" value="Tracer Injection Test"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>Resolute Natural Resources respectfully submits this sundry as notice that the Tracer Injection Test was completed on 5/1/2014 according to previously submitted procedures.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>June 17, 2014</p>		
NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 6/2/2014	