

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A, or operations suspended 1-9-58

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

* Effective 1-1-73, Humble Oil & Refining was changed to Exxon Co. U.S.A.

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet

Location Map Pinned

Card Indexed

IWR for Title or Fee Land

Checked by Chief

Copy NID to Field Office

Approval Letter

Disapproval Letter

DATE OF DATA

Date of Completion 1/9/58

City State

County Section

Location Indexed

Bond released

State of Fee Land

Diller's Log 5/15/58

Electric Logs (No.) 5

E. J. E.H.

Let. Mic.

LOGS FILED:

GR GR-NI

Others

Radioactivity Temperature

(SUBMIT IN TRIPLICATE)

Indian Agency _____

Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-20-603-263

| | | |
|---|---|--|
| | X | |
| 8 | | |
| | | |

SUNDRY NOTICES AND REPORTS ON WELLS

| | | |
|---|---|--|
| NOTICE OF INTENTION TO DRILL | X | 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)

October 9, 1957, 19

Navajo Tract 114

Well No. 10 is located 660 ft. from N line and 1980 ft. from E line of sec. 8

NWNE Section 8

41S

24E

SLM

(¼ Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

McElmo Creek

San Juan

Utah

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is _____ ft. 4574.6 Ungraded

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)

Rotary drilling equipment will be used to drill to approximately 5600' to test the potentially productive Hermosa and Paredox formations. Surface casing: Approximately 1400' of 10-3/4" OD 32.75# & 40.5# smls casing as required, casing to be cemented to the surface. Oil String: 7" OD 20 # 23# smls casing as required, cemented with required amount of cement. Mud: Conventional & or/gyp or salt base mud as required. Drill Stem Tests: All oil & gas shows will be tested. Logs: Electric logs etc will be run before setting casing or abandonment. Stimulations treatments such as acidizing or hydraulic fracturing may be employed in completion.

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

Company The Carter Oil Company

Address Box 444

Durango, Colorado

COPY (ORIGINAL SIGNED) B. M. BRADLEY

By B M Bradley

Title District Superintendent

CAR-PRO-27-B
LEASE PLAT & PIPE LINE DATA

DIV. NO. _____ BLOCK NAME _____ LEASE NO. _____

LESSOR _____

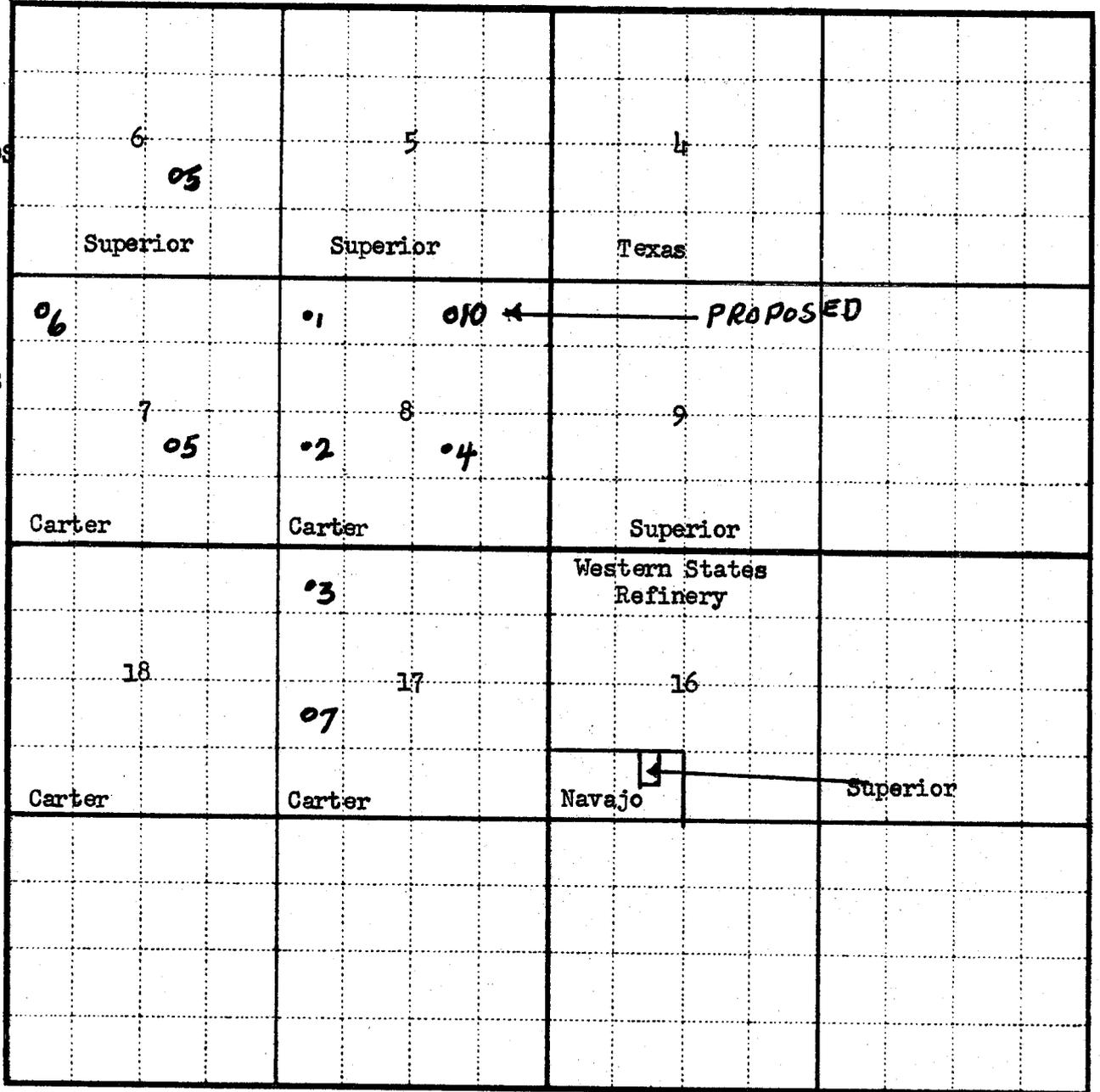
TOTAL ACCUMULATED INTEREST _____

STATE _____ COUNTY _____ SEC. _____ T. _____ R. _____ ACRES _____

DESCRIPTION AND INTEREST: _____

**Proposed Location - Carter - Navajo Tract 114 Well #10
 NWNE Section 8 - 41S - 24E - San Juan County, Utah**

IF USED FOR PIPE LINE DIAGRAM — PLEASE SUPPLY THE FOLLOWING INFORMATION
 Total Length and Size of Pipe Laid _____ Pipe Transferred From _____
 Total Length and Size of Pipe Taken Up _____ Pipe Transferred to _____
 Depth Buried _____ Painted _____ Screw, Welded or Coupled _____ List Fittings (on back of this sheet if necessary)
 Date _____ District _____ Farm or Plant _____
 Signed _____
 (Mail to Engineering Department - Tulsa)



When used as 1/4" Section Scale, 1" = 400'
 When used as Section Scale, 1" = 800'
 When used as 4 Sections Scale, 1" = 1600'
 Place check mark after scale used.

Plat made by _____ Date _____
 1/2" Base Map _____ Date _____
 Plat Book (Pend.) _____ Date _____ (Comp.) _____ Date _____
 Block Map (Pend.) _____ Date _____ (Comp.) _____ Date _____
 Block Map Tr. (Pend.) _____ Date _____ (Comp.) _____ Date _____

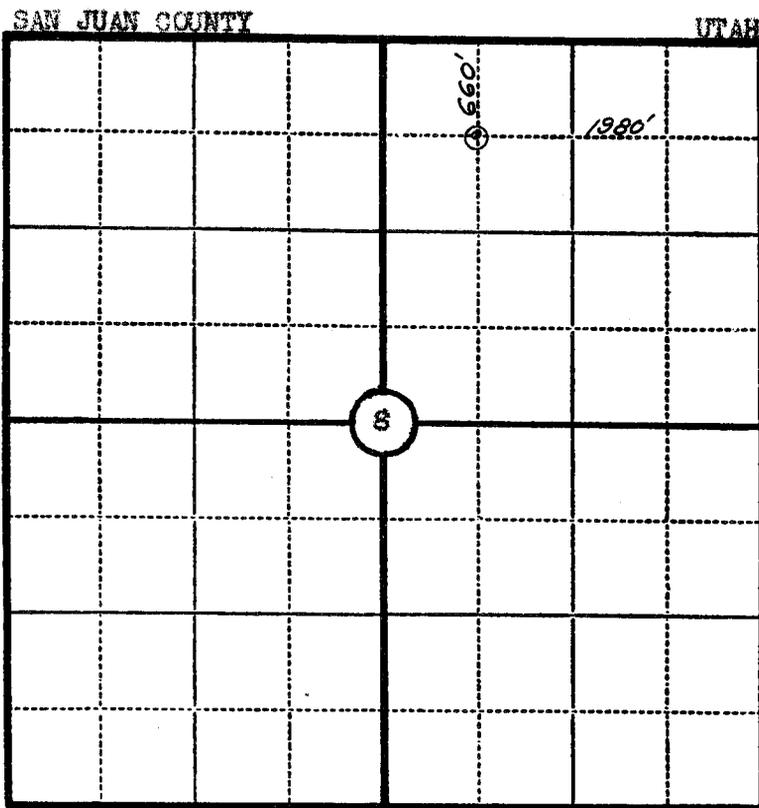
Company THE CARTER OIL COMPANY

Lease Navajo Tract #114 Well No. 10

Sec. 8, T. 41 SOUTH, R. 24 EAST, S. I. M.

Location 660' from the NORTH LINE and 1980' from the EAST LINE

Elevation 4574⁸ Ungraded.



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. Lese

Registered Land Surveyor.

James P. Lese

Utah Reg. No. 1472

Surveyed 25 JUNE, 1957

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

W
α

October 11, 1957

The Carter Oil Company
P. O. Box 444
Durango, Colorado

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo Tract 114-10, which is to be located 660 feet from the north line and 1980 feet from the east line of Section 8, Township 41 South, Range 25 East, S1EM, San Juan County, Utah.

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:cn

cc: Phil McGrath
USGS, Farmington,
New Mexico

DR-USGS

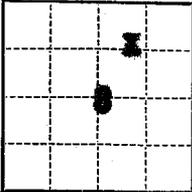
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 11-20-603-263



SUNDRY NOTICES AND REPORTS ON WELLS

Noted
11-6 H

| | | |
|---|--|----------|
| 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 | <u>Report of Setting Casing</u> | <u>X</u> |

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

Well No. 20 is located 660 ft. from N line and 2500 ft. from E line of sec. 8
11-22 Section 8 (1/4 Sec. and Sec. No.) 11-22 (Twp.) 25E (Range) 11-22 (Meridian)
De Elmo Creek (Field) San Juan (County or Subdivision) New (State or Territory)
 November 2, 1957

The elevation of the derrick floor above sea level is _____ ft. 1574.6' Degraded

DETAILS OF WORK

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

10" Casing - Ran 42 jts, 10 3/4" OD 32.75' H-40 casing 130h' less threads, set @ 1301'. Cemented with 930 cc regular as follows: 830 cc with 1/2 Tuff Flag lost Circulation Material per cc + 100 cc with 2% Calcium Chloride. Pump plug to 1286'. Maximum Pressure 800psi. Job complete 9:30 PM 10-25-57. Cement drop behind pipe, fill from top with 150 cc of regular cement, stayed up oil, complete @ 11:30 PM 10-25-57. Total 1000 cc cement used.

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

Company THE CARTER OIL COMPANY

Address Box 144
Durango, Colorado

COPY (ORIGINAL SIGNED) CHAS. C. JOHNSON

By _____

Title Charles C. Johnson
Chief District Clerk

W

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo
Allottee _____
Lease No. 14-20-603-263

| | | |
|--|---|---|
| | | 0 |
| | 8 | |
| | | |

Noted
1-7-58

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 | Report of Drill Stem Test | X |

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

December 19, 1957, 19__

Navajo Tract 111
Well No. 10 is located 660 ft. from [N] line and 1980 ft. from [E] line of sec. 8
NW NE Section 8
(1/4 Sec. and Sec. No.)
McElmo Creek (Field)
41S 25E S1M
(Twp.) (Range) (Meridian)
San Juan Utah
(County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4581 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)

DST #1 - TD 5348' packer at 5300' - Tool open 3 hrs strong initial blow, gas to surface in 6 minutes, blow ~~was~~ decreased gradually, fluid to surface in 2 hrs 45 minutes, well flowed estimate of 10 bbls oil in 15 minutes through 1" choke. Reversed out oil, recovered 270' salt water, 320' oil and gas cut mud. ISIP 2210# in 30 minutes, FSIP 2100# 30 minutes, IFP 300#, FFP 1035#, IHP & FHP 2750#.

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

Company The Carter Oil Company

Address Box 444
Durango, Colorado

By **COPY (ORIGINAL SIGNED) B. M. BRADLEY**
B M Bradley
Title District Superintendent

| | | |
|---|---|--|
| | 0 | |
| 8 | | |
| | | |

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency Navajo
Allottee _____
Lease No. 14-20-603-263

Noted
H 1-7-58

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 | Report of setting 7" casing | X |

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

December 19, 1957, 19__

Navajo Tract 114

Well No. 10 is located 660 ft. from [N] line and 1980 ft. from [E] line of sec. 8

| | | | |
|--|--|-------------------------------------|---------------------------|
| <u>NW NE Section 8</u> | <u>41S</u> | <u>25E</u> | <u>SLM</u> |
| <small>(1/4 Sec. and Sec. No.)</small> | <small>(Twp.)</small> | <small>(Range)</small> | <small>(Meridian)</small> |
| <u>McElmo Creek</u> | <u>San Juan</u> | <u>Utah</u> | |
| <small>(Field)</small> | <small>(County or Subdivision)</small> | <small>(State or Territory)</small> | |

The elevation of the derrick floor above sea level is 4581 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)

TD - 5578' - Ran 5,577' of 7" OD 20 and 23# J-55 smls casing (Threads off) set at 5572' and cemented with 350 sacks Posmix with 2% Gel, pumped plug to 5537', maximum pressure 1200#. Complete 11-28-57, now waiting on spudder to complete.

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

Company The Carter Oil Company

Address Box 444
Durango, Colorado

By **COPY (ORIGINAL SIGNED) B. M. BRADLEY**
B M Bradley
Title District Superintendent

| | |
|----------------------------|---|
| CORE NO. CORE #5 | POOL OR UNIT |
| DEPTH 5520-114' | WELL AND NO. Navajo Tract 114 #10 |
| RECOVERY 21' | LOCATION |
| FORMATION | COUNTY |
| DATE | STATE |



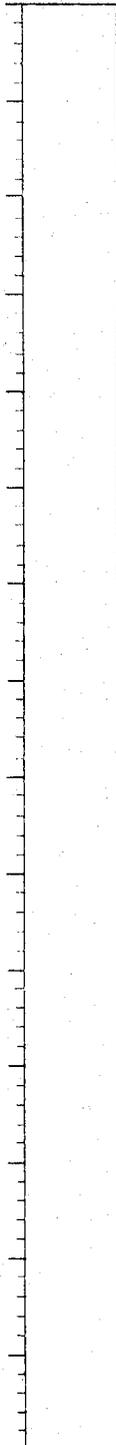
- 5520-21½'** Limestone, skeletal, light gray, stylolitic, abundant small brachiopods, medium crystalline, no show.
- 5521½-22½'** Limestone, light brown, mottled gray, stylolitic, bleeding oil and gas in spots, fair pinpoint porosity.
- 5522½-24'** Limestone, as above, with good pinpoint and occasional small vugular porosity, good show.
- 5524-29½'** Limestone, light gray, finely crystalline to medium crystalline, anhydrite crystals, fossiliferous, spotty oil show in bands of pinpoint porosity, fair gas odor on break.
- 5529½-33'** Limestone, gray, medium crystalline, detrital, occasional small calcite crystals, spotty stain, in small vugs, slight bleeding.
- 5533-35'** Limestone, tan to gray, medium crystalline, fossiliferous, small fractures, stylolitic, no visible porosity, no show.
- 5535-42'** Dolomite, dark gray, medium crystalline, slightly calcareous, trace intercrystalline porosity, appears wet, fair spotty show, occasional large anhydrite crystals in matrix.
- 5542-114'** Shale, black.

| |
|-----------------------|
| CORE HEAD TYPE & SIZE |
| DESCRIBED BY |

8

CAR-PRO-1638
CORE DESCRIPTION

| | |
|----------------------------|---|
| CORE NO. CORE 14 | POOL OR UNIT |
| DEPTH 5462-5520' | WELL AND NO. Navajo Tract 11h #10 |
| RECOVERY 57' | LOCATION |
| FORMATION | COUNTY |
| DATE | STATE |



- 5462-65' Limestone, light gray, finely crystalline, slightly fossiliferous, trace hairline fractures, slight show along fractures & plains.
- 5465-66' Limestone, tan to gray, medium crystalline, good pinpoint and small vugular porosity, oil saturated.
- 5466-68' Limestone, light gray, finely crystalline, matrix, no visible porosity, no show.
- 5468-74 1/2' Limestone, medium crystalline, gray, very fossiliferous, brachiopods and crinoids, good intercrystalline porosity, oil saturated, strong odor.
- 5474 1/2-76' Limestone, gray, finely crystalline, spotty fluorescence.
- 5476-80' Limestone, tan, algal, large vugs 1/2", good saturation.
- 5480-31 1/2' Limestone, as above, with some fractures, horizontal and vertical, saturated.
- 5481 1/2-83' Limestone, dark gray, matrix, finely crystalline, fractures as above, spotty show.
- 5483-87' Limestone, tan to dark gray, finely crystalline, occasional small vugs, good intercrystalline porosity, fossil oil saturated.
- 5487-88 1/2' Limestone, as above, slight intercrystalline porosity, occasional vertical fracture, spotty show, slight gas odor.
- 5488 1/2-5500' Limestone, tan to gray, mottled, some fossils, algal, stylolitic, good small vugular porosity, saturated.
- 5500-06' Limestone, as above, with 1/2" to 3/4" vugs.
- 5506-14' Limestone, tan to gray, medium crystalline, good inter-crystalline and pinpoint porosity, good odor and saturation.
- 5514-19' Dolomite, light brown gray, medium crystalline, earthy, fair intercrystalline porosity, appears wet, slight gas odor.

| |
|-----------------------|
| CORE HEAD TYPE & SIZE |
| DESCRIBED BY |

CAR-PRO-1638
CORE DESCRIPTION

| | |
|-----------|--------------|
| CORE NO. | POOL OR UNIT |
| DEPTH | WELL AND NO. |
| RECOVERY | LOCATION |
| FORMATION | COUNTY |
| DATE | STATE |



- 5106-00' Dolomite, dark gray, finely crystalline, dense, no visible porosity, spotty stain.
- 5106-01' Dolomite, as above, bleaching oil and gas in spots, good inter-crystalline porosity.
- 5111-02' Dolomite, micro-crystalline, tan to gray, calcareous, spotty stain.
- 5122-03' Limestone, tan, gray, micro-crystalline, good inter-crystalline and pinpoint porosity with occasional small vugular porosity.
- 5134-05' Limestone, gray, finely crystalline, dense, no stain.
- 5135-06' Limestone, dark gray, solid, slightly dolomitic, appears wet.
- 5137-07' Dolomite, solid gray, slightly calcareous, dense, no stain.
- 5138-08' Limestone, dark gray, finely crystalline, dolomitic, no porosity, no stain.
- 5143-09' Limestone, tan, gray, micro-crystalline, trace pinpoint porosity, spotty stain.
- 5145-10' Dolomite, tan to gray, micro-crystalline, crystalline, no visible porosity, no stain.
- 5156-11' Limestone, gray, fine to medium crystalline, some fossils, pinpoint porosity and some small vugular porosity, oil saturated, always wet.
- 5157-12' Limestone, as above, no porosity, no stain.
- 5158-13' Dolomite, brown gray, micro-crystalline, appears wet, no stain.
- 5160-14' Limestone, gray, finely crystalline, slightly fossiliferous, no porosity, no stain.
- 5161-15' Dolomite (as at 5158-13').

| |
|-----------------------|
| CORE HEAD TYPE & SIZE |
| DESCRIBED BY |

CAR-PRO-1638
CORE DESCRIPTION

| | |
|--------------------|-----------------------------------|
| CORE NO. Core 2 | POOL OR UNIT |
| DEPTH 30-34' | WELL AND NO. Waco East 11: #10 |
| RECOVERY 50' | LOCATION |
| FORMATION | COUNTY |
| DATE | STATE |



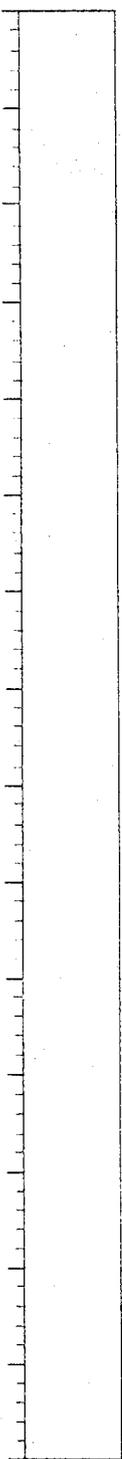
- 5312-69' Limestone, dark grey, calcareous, slightly crystalline, no stain.
- 5312-70' Limestone, matrix, silty, no porosity, no stain.
- 5312-71' Limestone, matrix, micro-grained, tan, fair to good inter-crystalline porosity, good stain and color.
- 5312-72' Limestone as above, no stain.
- 5312-73' Limestone, matrix, fine to coarse grained, tan, good pinpoint porosity, even stain.
- 5312-74' Limestone, oolitic, subfossil, small vugs, good inter-crystalline porosity, good saturation.
- 5312-75' Limestone, detrital, matrix, fine grained, brown, no porosity, no stain. 5372
- 5312-76' Limestone, detrital with matrix, fine grained, brown, good inter-crystalline porosity, fair saturation.
- 5312-77' Limestone, matrix, fine grained, tan, no stain.
- 5312-78' Limestone, matrix, micro-grained to fine grained, good pinpoint porosity, fair stain.
- 5312-79' Limestone, matrix, micro-grained, brown, no visible porosity, no stain.
- 5312-80' Limestone, detrital, with matrix, tan, good pinpoint porosity with occasional small vugular porosity, good stain throughout.
- 5312-81' Limestone, matrix, micro-grained, grey, no visible porosity, no stain.
- 5312-82' Limestone, matrix, micro-grained, tan to grey, fair inter-crystalline and pin-point porosity, oil saturated.

5

| |
|-----------------------|
| CORE HEAD TYPE & SIZE |
| DESCRIBED BY |

CAR-PRO-1638
CORE DESCRIPTION

| | |
|------------------------------|---|
| CORE NO. Core #1 | POOL OR UNIT |
| DEPTH 5290 - 5340' | WELL AND NO. Esposito Tract 111 #10 |
| RECOVERY 50' | LOCATION |
| FORMATION | COUNTY |
| DATE | STATE |



- 5290-97' Dolomite, matrix, dark brown, slightly calcareous, no show.
- 5297-5305' Limestone, matrix, light brown gray, no visible porosity, no show.
- 5305-21' Limestone, skeletal, fossiliferous, algal, gray, good vugular porosity, good stain and odor.
- 5321-26' Limestone, as above, heavily fractured, good stain and odor.
- 5326-33' Dolomite, matrix, brown, (vertical fractures 31-33) slightly uneven stain, slight gas odor.
- 5333-38' Dolomite, matrix, light gray, slightly calcareous, small anhydrite crystals throughout, argillaceous, no porosity, no show.
- 5338-41' Dolomite, matrix, brown gray, small anhydrite crystal as above, appears wet, no show.
- 5341-47 1/2' Shale, black, carbonaceous, calcareous.
- 5347 1/2-48' Dolomite, matrix, dark gray brown, argillaceous, slightly fossiliferous, no visible porosity.

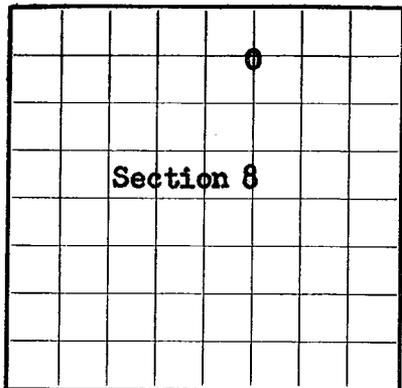
| |
|-----------------------|
| CORE HEAD TYPE & SIZE |
| DESCRIBED BY |

X

120
2

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah



Section 8

To be kept Confidential until _____
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Operating Company The Carter Oil Company Address Box 3082, Durango, Colorado
Lease or Tract: Navajo Tract 111 Field McElmo State Utah
Well No. 10 Sec. 8 T. 41S R. 24E Meridian SLM County San Juan
Location 660 ft. XX of N Line and 1980 ft. XX of E Line of Section 8 Elevation 4581 DF
(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 _____ Dist. Supt. B. Bradley

Date May 2, 1958 Title _____

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

Commenced drilling 10-19-57, 19____ Finished drilling 1-10-58, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5542 to 5518 No. 4, from 5421 to 5398
No. 2, from 5512 to 5474 No. 5, from 5382 to 5358
No. 3, from 5468 to 5452 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 608 to 750 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- | |
| 16" | 53.1 | Spiral Weld | | 40 | None | - | 5542 | 5518 | Production |
| 10-3/4" | 38.75 | 8 | H-40 | 1304 | Baker | - | 5512 | 5474 | |
| 7" | 20 | 8 | J-55 | 3824 | | - | 5468 | 5452 | |
| 7" | 23 | 8 | J-55 | 1750 | Howco | - | 5421 | 5398 | |
| | | | | | | | 5382 | 5358 | |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 16" | 40 | 60 | Halliburton | - | - |
| 10-3/4" | 1321 | 1080 | " | - | - |
| 7" | 5572 | 350 | " | - | - |

PLUGS AND ADAPTERS

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

SHOOTING RECORD

FOLD MARK

FOLD MARK

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|--------------------|
| 16" | 40 | 60 | Halliburton | - | - |
| 10-3/4" | 1321 | 1080 | " | - | - |
| 7" | 5572 | 350 | " | - | - |

PLUGS AND ADAPTERS

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

SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from Surface feet to 5578 feet, and from _____ feet to _____ feet
 Cable tools were used from None feet to _____ feet, and from _____ feet to _____ feet

DATES

May 2, 1958, 19____ Put to producing on test 1-9-58, 19____

The production for the first 24 hours was 492 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. flow on 25/64" choke Gravity, °Bé. 41° API

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Est. GOR 600:1

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

FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|-------|------|------------|--|
| 0 | 608 | 608 | MORRISON: Soft clay and sandstone. |
| 608 | 1275 | 667 | NAVAJO: Sandstone. |
| 1275 | 2410 | 1135 | CHINLE: Siltstone and shale. |
| 2410 | 2454 | 44 | CUTLER: Shale with traces of limestone. |
| 2454 | 2610 | 156 | DECHELLY: Soft sandstone. |
| 2610 | 4000 | 1390 | ORGAN ROCK: Siltstone and sand. |
| 4000 | 4397 | 397 | RICO: Siltstone and shale. |
| 4397 | 5348 | 951 | HERMOSA: Limestone and shale. |
| 5348 | 5568 | 220 | PARADOX: Limestone underlain by black shale and anhydrite. |

[OVER]

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or hauling.

Spudded well 10-19-58. Drilled & reamed 20" hole to 50'. Set 40' of 16" spiral weld casing at 40' with 60 sacks cement. Drilled and reamed 15" hole to 1327'. Set 42 jts. 1304', 10-3/4", 32.75#, H-40 casing at 1321', with 1080 sacks cement. Drilled 9" hole to TD of 5578'. Set 5574' of 7", 20# & 23# casing at 5572' with 350 sacks cement. Perforated 5542 to 5518', 5512 to 5474 & 5468 to 5452' with 4 shots per ft. Spotted 800 gallons MCA, recovered same. Pumped in 11,000 gallons regular 15% acid, max press. 2500#, min. press. 1000#. Flushed with 35 bbls. crude. Perforated 5421 to 5398' with 4 shots per ft. Spotted 200 gallons MCA across perforations, recovered same. Pumped in 4000 gallons regular 15% acid, max. press. 3800#, min. press. 2500#. Flushed with 32 bbls. oil. Perforated 5382 to 5358. Spotted 200 gallons MCA. Pumped in 4000 gals regular 15% acid, max. press. 1500#, Press. at end of treatment 500#, shut in press. Zero. Flow tested well on 25/64" choke at a rate of 492 bbls of oil and no water per day. Completed 1-10-58.

Cut 5 Cores (See attached descriptions)

Ran 1 Drill Stem Test: 5300' to 5348'. Tool open 3 hrs. Gas to surface in 12 minutes, Oil to surface in 2-3/4 hrs. IHP 2715#, RHP 2730#, IFP 262#, FFP 980#, ISP 2178#, FSP 2080# (30 minutes shut in pressure.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

| | | |
|---|--|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-263 |
| 2. NAME OF OPERATOR The Superior Oil Company | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo |
| 3. ADDRESS OF OPERATOR P. O. Drawer 'G', Cortez, Colorado 81321 | | 7. UNIT AGREEMENT NAME |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE Section 8, T41S, R25E San Juan County, Utah | | 8. FARM OR LEASE NAME McElmo Creek |
| 14. PERMIT NO. | | 9. WELL NO. #P-17 (Navajo Tract 114-10) |
| 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4582' KB | | 10. FIELD AND POOL, OR WILDCAT McElmo Creek Unit |
| | | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8, T41S, R25E |
| | | 12. COUNTY OR PARISH San Juan |
| | | 13. STATE Utah |

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

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|--|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) <input type="checkbox"/> | |
| (Other) Complete new zone. <input checked="" type="checkbox"/> | | | |

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

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

Notice of intent to perforate the Ismay interval 5315-28' with two jets per foot, isolate the interval with bridge plug and packer and treat with 5,000 gallons 28% acid.

The Ismay only will be produced until its production declines to 200 BOPD after which the Ismay and Desert Creek reservoirs will be produced commingled.

This proposed work should commence in October, 1970.

18. I hereby certify that the foregoing is true and correct
SIGNED J. P. Noser TITLE Production Engineer DATE Oct. 27, 1970
(This space for Federal or State office use)

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

JPN/njh

*See Instructions on Reverse Side
cc: Franques, Broussard, Huribut, State, USGS, File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS MANNER*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

| | | |
|---|--|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-263 |
| 2. NAME OF OPERATOR The Superior Oil Company | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo |
| 3. ADDRESS OF OPERATOR P. O. Dr. 'G', Cortez, Colorado 81321 | | 7. UNIT AGREEMENT NAME McElmo Creek Unit |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FNL & 1980' FWL, Section 8, T41S, R25E | | 8. FARM OR LEASE NAME |
| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4582' KB | 9. WELL NO. MCU #P-17 |
| | | 10. FIELD AND POOL, OR WILDCAT |
| | | 11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA NW NE Sec. 8, T41S, R25E |
| | | 12. COUNTY OR PARISH San Juan |
| | | 13. STATE Utah |

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

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

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

Notice of intent to eliminate the communication between the Ismay and Desert Creek Zone I and recomplete both Zones for production.

Will isolate D.C. Subzone II with bridge plug and squeeze the existing Ismay and D. C. Subzone I perfs with 200 sacks 'C' Cement with 1-1/4% CFR-2. After drill out will then perf the Lower Ismay interval 5339-43', treat with 400 gal 28% acid and squeeze with 100 sacks 'C' Cement with 1-1/4% CFR-2. After drill out will then perf the Ismay 5315-28' and D. C. Subzone I 5358-82' and 5398-5421' with two jets per foot. Will then isolate and treat D. C. Subzone I perfs with 6,000 gal 28% retarded acid in three equal stages separated by diverting agent. Will then isolate and treat the Ismay perfs with 3,000 gal 28% retarded acid. After testing the Ismay and Zone I the well will be placed on commingled Ismay and Desert Creek Zones I and II production. Present commingled production rate 105 BOPD and 770 BWPD.

If approved this WO should commence on December 20, 1971.

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

SIGNED J. P. Noser TITLE Engineer DATE 11/30/71
(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-263

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek Unit

8. FARM OR LEASE NAME

9. WELL NO.

MCU #P-17

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

NW NE Sec. 8, T41S, R25E

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

The Superior Oil Company

3. ADDRESS OF OPERATOR

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

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

At surface

660' FNL and 1980' FWL, Sec. 8, T41S, R25E, S.L.M.

14. PERMIT NO.

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

4582' KB

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

SUBSEQUENT REPORT OF WORKOVER TO ELIMINATE COMMUNICATION BETWEEN ISMAY AND DESERT CREEK AND TREAT FOR INCREASED PRODUCTION.

- 12/18/71 Squeezed Lower Ismay and Zone I perforations 5315-5421' inclusive, with 400 sacks Class 'C' cement. Drilled out.
- 12/23/71 Perforated 5339-43' and block squeezed with 100 sacks Class 'C' cement. Drilled out.
- 12/30/71 Perforated Ismay 5315-28' and Desert Creek Zone I 5358-82 and 5398-5421' with 2 jets per foot.
- 12/31/71 Treated Desert Creek perforations 5358-5421' with 6000 gallons 28% acid in 3 equal stages with diverting agents between stages. Swab tested.
- 1/3/72 Treated Ismay perforations 5315-28' with 3,000 gallons 28% acid. Swab tested.
- 1/8/72 Job completed. Well on pump.

Production prior to workover: 105 BOPD, 770 BWPD

Production subsequent to workover: 96 BOPD, 881 BWPD

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

SIGNED

D. D. Kingman

TITLE District Engineer

DATE March 9, 1972

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

OGC/bh

*See Instructions on Reverse Side

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

EXXON CORPORATION

January 3, 1973

State of Utah
Department of Natural Resources
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Gentlemen:

Effective on January 1, 1973, Humble Oil & Refining Company merged into its parent corporation. On that date all of the rights, assets, and liabilities of Humble will accrue to and be assumed by Exxon Corporation.

After January 1, 1973, all invoices, payments, notices or other communications which were sent previously to Humble should be sent to Exxon Corporation, P. O. Box 1600, Midland, Texas 79701.

We would appreciate your cooperation in helping us make these changes, and we want to assure you that our policies and business relationships with you will remain the same.

Sincerely,



L. H. Byrd

DLC:mej

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL, 1980' FEL Sec. 8
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
14-20-603-263

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME
McELMO CREEK UNIT

8. FARM OR LEASE NAME

9. WELL NO.
#P-17

10. FIELD OR WILDCAT NAME
GREATER ANETH

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 8, T41S, R25E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
DF: 4953' GL: 4944'

15. ELEVATIONS (SHOW DF, KDB, AND WD)

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

| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: |
|------------------------------|-------------------------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | <input type="checkbox"/> |
| (other) Convert to injection | <input type="checkbox"/> | <input type="checkbox"/> |

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

1. MIRU.
2. POH w/ rods, pump, tubing string and tubing anchor.
3. RIH w/ packer and tubing string. Set packer at 5437' and test for communication between Desert Creek Zone I and Desert Creek Zones II and III: (i) if communication is determined, squeeze all zones with 300 sx cement, Desert Creek Zone I (5358-82', 5398-5421') and Ismay (5315-28'); if not communicated set CIBP at 5437'.
4. Treat Desert Creek Zone I and Ismay with 9000 gal 28% HCL; Swab back load fluids.
5. RIH w/ plastic coated packer and 2-3/8" plastic coated tubing.
6. RDMO.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED T. Greg Merriton TITLE Petroleum Engineer DATE 8-15-83

(This space for Federal or State office use)

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

ATTACHMENT I

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

- (a) Attached is Form DOGM-UIC-1.
- (b) (1) See attached Land Plat.
(2) Attached is Form DOGM-UIC-2.
(3) See attached wellbore sketch.
(4)
- i. The intervening thickness is over 4000' between the proposed injection interval and the deepest fresh water sand. Furthermore, all fresh water sands are behind 10-3/4" surface casing. The 10-3/4" - 7" annulus pressure will be monitored to insure no behind pipe communication occurs.
- ii. Maximum Estimated Surface Pressure: 2800 psig.
Maximum Estimated Rate: 2000 BWP.

| <u>FORMATION</u> | <u>DEPTH</u> | <u>LITHOLOGY</u> |
|------------------------|--------------|------------------|
| Chinle | 1293' | Shale |
| 10-3/4" Surface Casing | 1080' | |
| DeChelly | 2495' | Sandstone |
| Organ Rock | 2650' | Shale |
| Hermosa | 4775' | Limestone |
| Upper Ismay | 5231' | Limestone |
| Lower Ismay | 5332' | Limestone |
| Gothic | 5351' | Shale |
| Desert Creek | 5380' | Limestone |
| Chimney Rock | 5502' | Shale |

- (5)
- (i) A throttling valve will be installed on the wellhead to control injection rates and pressures.
- (ii) The source of injection water will be 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 5400' respectively.
- (iii) The analysis of injection water is as follows: (as parts per million).
- | | | |
|---------------|-------------|--------------------------|
| PH: 6.5 | Ca: 13770 | S04: 25 |
| CL: 16700 ppm | Mg: 11421 | H2S: 30 |
| Fe: 3 | HC03: 109.8 | Ba: - |
| CaC03: 18470 | C03: - | Specific Gravity: 1.0553 |

(5) Cont.

(iv) The proposed 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) All fresh water zones are behind surface casing.

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

| | | |
|---------------|------------|-------------------------|
| PH: 6.5 | Ca: 13200 | SO4: 44.79 |
| CL: 62000 ppm | Mg: 1822.5 | H2S: 80 |
| Fe: 3.2 | HCO3: 61 | Ba: - |
| CaCO3: 20700 | CO3: - | Specific Gravity: 1.054 |

(6) If the proposed injection well must be shut-in, the fresh water wells can also be shut in.

(7) N/A.

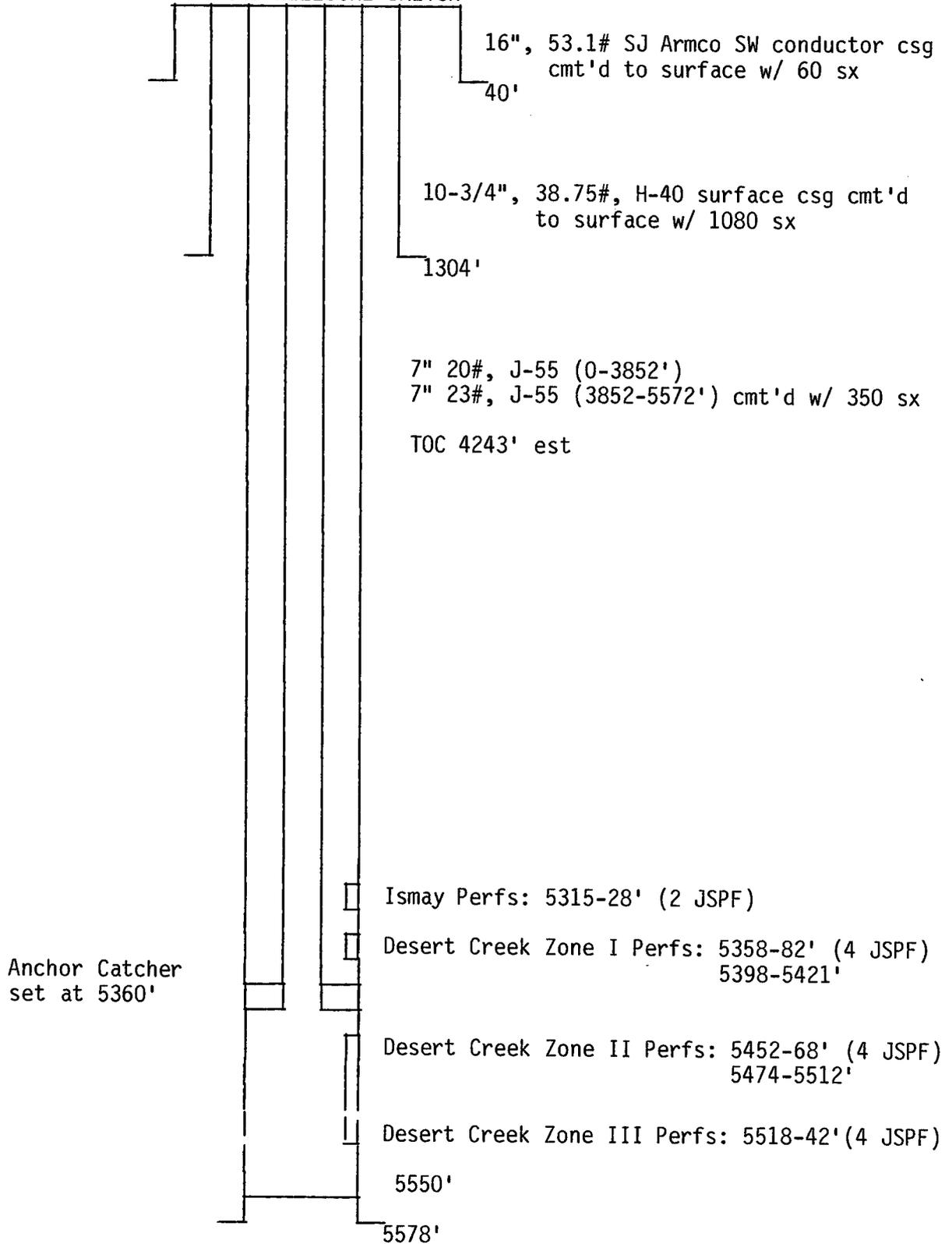
(8) The Division will be notified of the date and time to monitor the mechanical integrity test.

(9) There are no defective wells in this area.

(10) N/A.

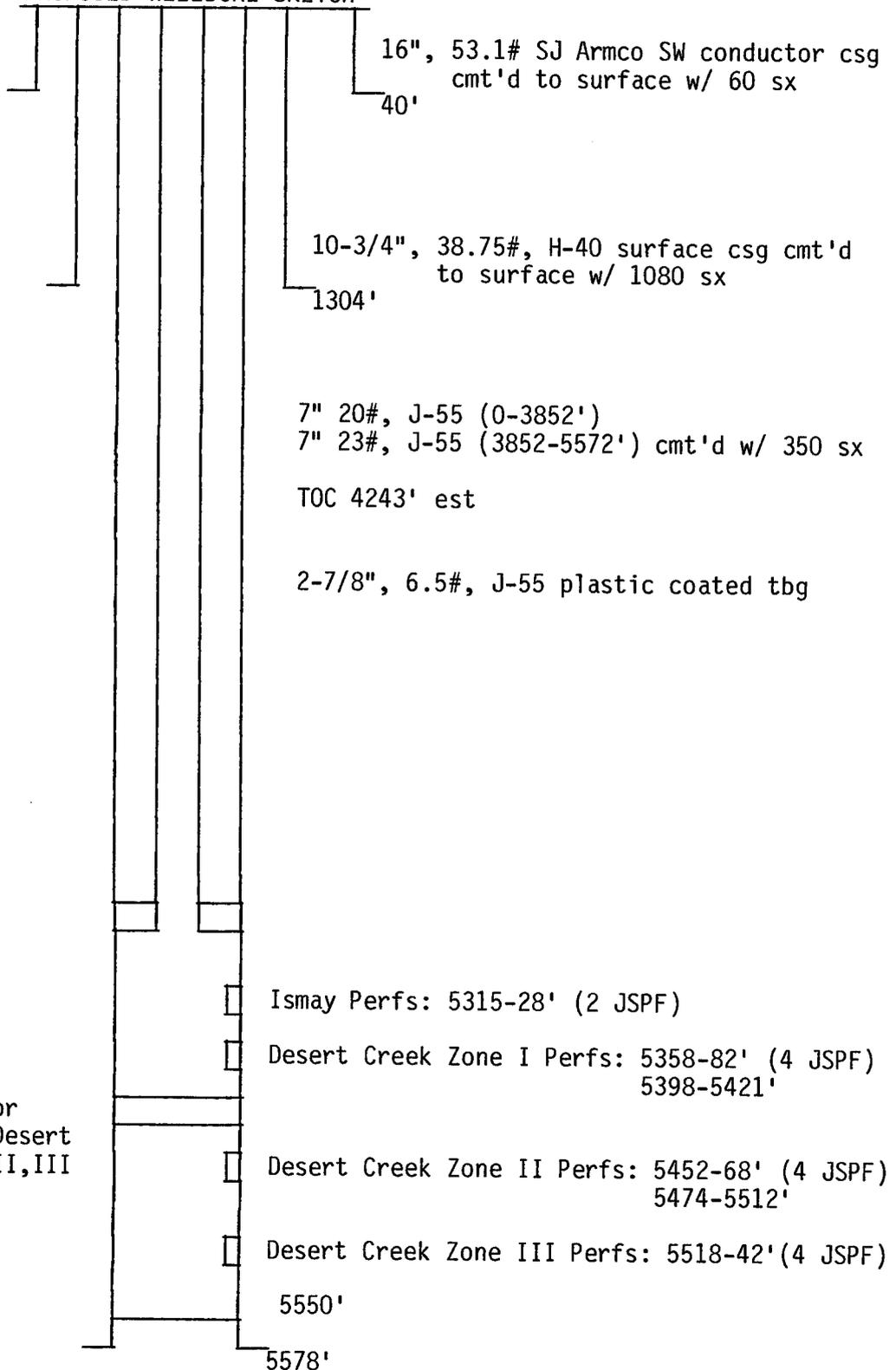
McELMO CREEK UNIT #P-17
GREATER ANETH FIELD
SAN JUAN COUNTY, UTAH

PRESENT WELLBORE SKETCH

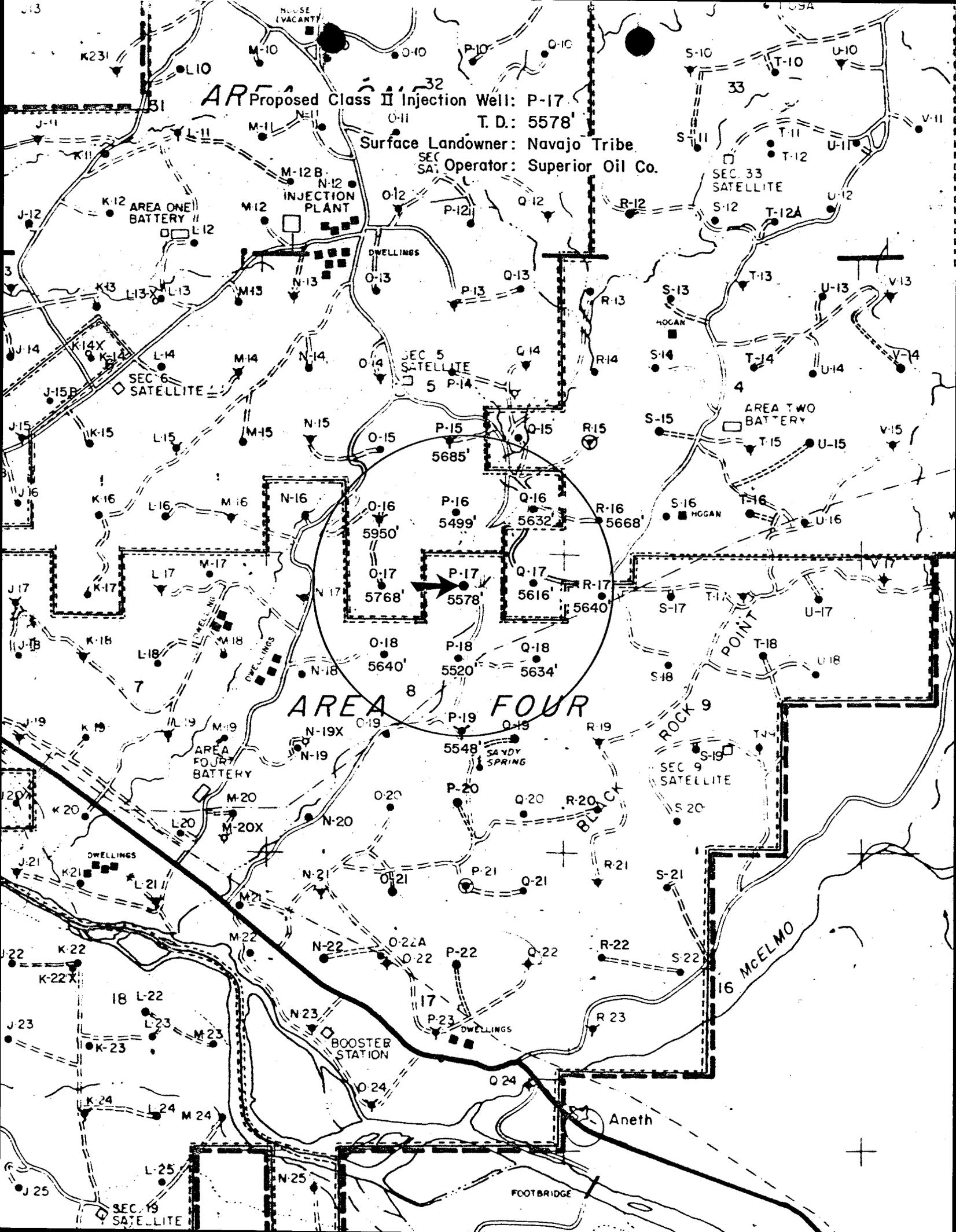


McELMO CREEK UNIT #P-17
GREATER ANETH FIELD
SAN JUAN COUNTY, UTAH

PROPOSED WELLBORE SKETCH



CIBP: 5437' or
squeeze off Desert
Creek Zones II,III



AR Proposed Class II Injection Well: P-17
T.D.: 5578'
Surface Landowner: Navajo Tribe
SEC 5 SATELLITE
Operator: Superior Oil Co.

AREA ONE BATTERY

N-12 INJECTION PLANT

SEC 5 SATELLITE

SEC 33 SATELLITE

AREA TWO BATTERY

AREA FOUR

AREA FOUR BATTERY

POINT ROCK

SEC 9 SATELLITE

MCELMO

BOOSTER STATION

Aneth

SEC 19 SATELLITE

FOOTBRIDGE

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

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

IN THE MATTER OF THE APPLICATION OF
SUPERIOR OIL COMPANY
 ADDRESS P.O. Drawer 'G'
Cortez, Colorado ZIP 81321
 INDIVIDUAL PARTNERSHIP CORPORATION
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE MCU #P-17 WELL
 SEC. 8 TWP. 41S RANGE 25E
San Juan COUNTY, UTAH

CAUSE NO. UIC-027

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

APPLICATION

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

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

| | | | |
|---|---|---|------------------------------------|
| Lease Name <u>McELMO CREEK</u> | Well No. <u>#P-17</u> | Field <u>McELMO CREEK</u> | County <u>SAN JUAN</u> |
| Location of Enhanced Recovery Injection or Disposal Well <u>600</u> <u>FNL</u> , <u>1980</u> <u>FEL</u> <u>8</u> Twp. <u> </u> Rge. <u>25E</u> | | | |
| New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u> </u> | |
| Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>1293</u> | Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | | State What <u>GAS & OIL</u> |
| Location of Injection Source(s) <u>Production wells within McElmo Creek Unit</u> | Geologic Name(s) and Depth of Source(s) <u>Ismay (5300')</u> <u>Desert Creek (5400')</u> | | |
| Geologic Name of Injection Zone <u>Ismay, D. C. Zone I</u> | | Depth of Injection Interval <u>5315' to 5421'</u> | |
| a. Top of the Perforated Interval: <u>5358'</u> | b. Base of Fresh Water: <u>1293'</u> | c. Intervening Thickness (a minus b) <u>4065'</u> | |
| Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | | | |
| Lithology of Intervening Zones <u>See item 4 (ii) on attachment #1</u> | | | |
| Injection Rates and Pressures Maximum <u>2000</u> B/D <u>2800</u> PSI | | | |
| The Names and Addresses of Those to Whom Notice of Application Should be Sent. | | | |

State of Colorado
 County of Montezuma

T. Greg Merrion
 Applicant

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

Suscribed and sworn to before me this 15th day of August, 19 83

SEAL

My commission expires 5/2/86

Attie J. Vignier
 Notary Public in and for State of Colorado
County of Montezuma

(OVER)

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

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

COUNTY
LEASE NO.

API NO. _____

640 Acres
N

DIVISION OF OIL, GAS, AND MINING

Room 4241 State Office Building

Salt Lake City, Utah 84114

COUNTY San Juan SEC. 33 TWP. 40S RGE. 25E

COMPANY OPERATING Superior Oil Company

OFFICE ADDRESS P. O. Drawer 'G'

TOWN Cortez, CO STATE ZIP 81321

FARM NAME McElmo Creek WELL NO. #P-17

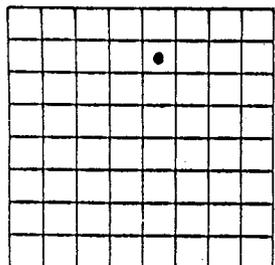
DRILLING STARTED 10/19/57 DRILLING FINISHED 11/28/57

DATE OF FIRST PRODUCTION 1/10/58 COMPLETED 1/10/58

WELL LOCATED SW ¼ NW ¼ NE ¼

1940 FT. FROM SL OF ¼ SEC. & 605 FT. FROM WL OF ¼ SEC.

ELEVATION DERRICK FLOOR 4953 GROUND 4944



Locate Well Correctly
and Outline Lease

TYPE COMPLETION

Single Zone _____

Multiple Zone X

Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

| Name | From | To | Name | From | To |
|--------------|-------|-------|---------------|-------|-------|
| Ismay | 5315' | 5328' | D.C. Zone III | 5518' | 5542' |
| D.C. Zone I | 5358' | 5421' | | | |
| D.C. Zone II | 5452' | 5512' | | | |

CASING & CEMENT

| Casing Set | | | | Csg. Test | Cement | | |
|------------|--------|-------|-------|-----------|--------|--------|-------------|
| Size | Wgt. | Grade | Feet | Psi | Sax | Fillup | Top |
| 16" | 53.1# | | 40' | | 60 | | Surface |
| 10-3/4" | 38.35# | H-40 | 1304' | | 1080 | | Surface |
| 7" | 20# | J-55 | 3852' | | 350 | | 4243' (est) |
| 7" | 23# | J-55 | 1753' | | | | |

TOTAL DEPTH 5578

PACKERS SET

DEPTH _____

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

COMPLETION & TEST DATA BY PRODUCING FORMATION

| FORMATION | 1 | 2 | 3 |
|---|---------------------------------|-----------------------------------|---|
| FORMATION | Ismay | Desert Creek | |
| SPACING & SPACING ORDER NO. | | | |
| CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE) | OIL | OIL | |
| PERFORATED | 5315'-28' | 5358'-82' | |
| INTERVALS | | 5398'-5421' | |
| | | 5452'-68' | |
| | | 5474'-5512', 5518'-42' | |
| ACIDIZED? | Treated with 3000 gal 28% acid. | Treated with 23,000 gal reg acid. | |
| FRACTURE TREATED? | | | |

INITIAL TEST DATA

Both zones tested together

| | | | |
|----------------------------|------------|--|----|
| Date | 1/10/57 | | |
| Oil, bbl./day | 492 | | |
| Oil Gravity | 40.5 API | | |
| Gas, Cu. Ft./day | 295,000 CF | | CF |
| Gas-Oil Ratio Cu. Ft./Bbl. | 600:1 | | |
| Water-Bbl./day | 0 | | |
| Pumping or Flowing | Flowing | | |
| CHOKE SIZE | 25/64" | | |
| FLOW TUBING PRESSURE | | | |

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

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

(303)
Telephone 565-3733

T. Greg Morrison PRODUCTION ENGINEER

Name and title of representative of company

Subscribed and sworn before me this 15th day of August, 19 83

State of Colorado
County of Montezuma
My Commission expires 5/2/86

Letitia S. Veerman

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

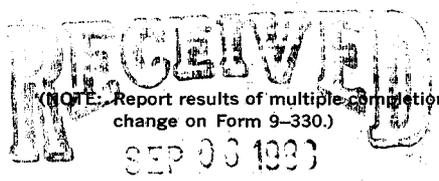
3. ADDRESS OF OPERATOR
P.O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL, 1980' FEL Sec. 8
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

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

| | | | |
|------------------------------|-------------------------------------|-----------------------|--------------------------|
| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: | |
| TEST WATER SHUT-OFF | <input type="checkbox"/> | | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | | <input type="checkbox"/> |
| (other) Convert to injection | <input type="checkbox"/> | | <input type="checkbox"/> |

| |
|--|
| 5. LEASE 14-20-603-263 |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO |
| 7. UNIT AGREEMENT NAME McELMO CREEK UNIT |
| 8. FARM OR LEASE NAME |
| 9. WELL NO. #P-17 |
| 10. FIELD OR WILDCAT NAME GREATER ANETH |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 8, T41S, R25E |
| 12. COUNTY OR PARISH SAN JUAN |
| 13. STATE UTAH |
| 14. API NO. DF: 4953' GL: 4944' |
| 15. ELEVATIONS (SHOW DF, KDB, AND WD) |



(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

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

- MIRU.
- POH w/ rods, pump, tubing string and tubing anchor.
- RIH w/ packer and tubing string. Set packer at 5437' and test for communication between Desert Creek Zone I and Desert Creek Zones II and III: (i) if communication is determined, squeeze all zones with 300 sx cement, Desert Creek Zone I (5358-82', 5398-5421') and Ismay (5315-28'); if not communicated set CIBP at 5437'.
- Treat Desert Creek Zone I and Ismay with 9000 gal 28% HCL. Swab back load fluids.
- RIH w/ plastic coated packer and 2-3/8" plastic coated tubing.
- RDMO.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED T. Greg Merriton TITLE Petroleum Engineer DATE 8-15-83
T. GREG MERRITON

(This space for Federal or State office use)

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



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 16, 1983

Newspaper Agency Corp.
Legal Advertising
143 South Main
Salt Lake City, UT

Re: Cause No's: UIC-027 &
UIC-028

Gentlemen:

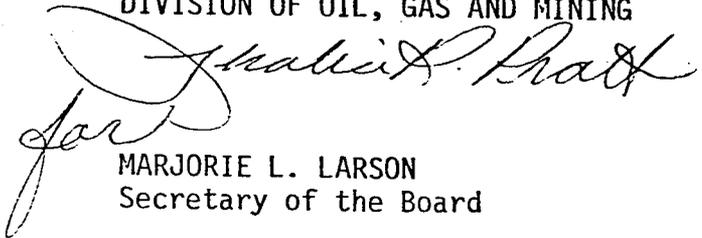
Attached hereto is a Notice of Application for Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 22nd day of September 1983. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,

DIVISION OF OIL, GAS AND MINING



MARJORIE L. LARSON
Secretary of the Board

Attachment

UIC-027

Notice has been sent to the following:

Newspaper Agency Copr.
San Juan Record

²
Superior Oil Company
P.O. Drawer "G"
Cortez, CO 81321

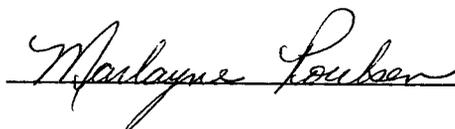
Navajo Indian Tribe
Window Rock, AZ 85615

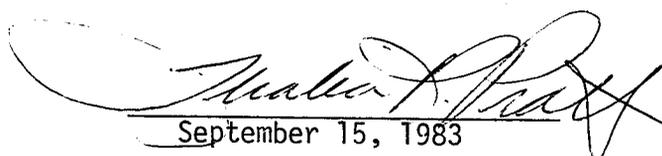
Ut. Dept. of Health
Water Pollution Control
Attn: Jerry Riding
150 W.N. Temple
Salt Lake City, UT

U.S. Environmental Protection Agency
1860 Lincoln St.
Denver, CO 80295

Minerals Management Service
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

AMENDED NOTICE SENT ON FEBRUARY 8, 1984




September 15, 1983

Affidavit of Publication

ADM-35B

STATE OF UTAH,
County of Salt Lake

SS.

..... Cheryl Gierloff

BEFORE THE DIVISION OF OIL, GAS AND MINING
 Room 4241 State Office Building
 Salt Lake City, Utah 84114
 CAUSE NO. UIC-027

IN THE MATTER OF THE APPLICATION OF SUPERIOR OIL COMPANY FOR ADMINISTRATIVE APPROVAL TO INJECT WATER INTO CERTAIN WELLS LOCATED IN SAN JUAN COUNTY, UTAH.

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SAN JUAN COUNTY, UTAH: NOTICE IS HEREBY GIVEN THAT Superior Oil Company, P.O. Drawer "G", Cortez, Colorado 81321, is requesting that the Division authorize the approval to convert the wells mentioned below, to water injection wells as follows:

Township 40 South,
 Range 24 East,
 Sec. 30, Well #F-11 NW/SW
 Township 40 South,
 Range 25 East
 Sec. 31, Well #M-12 SE/SE
 Sec. 32, Well #N-13 NW/SW
 Sec. 33, Well #P-14 NW/SE
 Sec. 33, Well #P-17 NW/NE

Township 41 South,
 Range 24 East
 Sec. 12, Well #I-20 SE/SE

Township 41 South,
 Range 25 East
 Sec. 4, Well #R-13 NW/NW
 Sec. 8, Well #O-18 SE/NW

INJECTION ZONE: Ismay-Deseret Creek 5174-5767
 MAXIMUM INJECTION PRESSURE: 2,800 psi
 MAXIMUM INJECTION RATE: 2,800 barrels of water per day

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to: Division of Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City, Utah.

STATE OF UTAH
 DIVISION OF OIL,
 GAS AND MINING
 MARJORIE L. LARSON
 Secretary of the Board

A-90

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

That the legal notice of which a copy is attached hereto

..... Cause No. UIC-027 - Application of Superior

..... Oil Co.

..... was published in said newspaper on

..... September 22, 1983

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this 28th day of

..... September A.D. 19 83

Joseph L. Marlow
Notary Public

My Commission Expires

..... July 23, 1986

DIVISION OF OIL, GAS & MINING



Affidavit of Publication

ADM-35B

STATE OF UTAH,
County of Salt Lake

SS.

.....Cheryl Gierloff.....

BEFORE THE DIVISION OF OIL, GAS AND MINING
 Room 4241 State Office Building
 Salt Lake City, Utah 84114
 CASE NO. UIC-027

IN THE MATTER OF THE APPLICATION OF SUPERIOR OIL COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT WATER INTO CERTAIN WELLS LOCATED IN SAN JUAN COUNTY, UTAH.

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SAN JUAN COUNTY, UTAH: NOTICE IS HEREBY GIVEN THAT Superior Oil Company, P.O. Drawer "G", Cortez, Colorado 81321, is requesting that the Division authorize the approval to convert the wells mentioned below to water injection wells as follows:

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 Range 24 East
 Sec. 36, Well #F-11 NW SW
 Township 40 South,
 Range 25 East
 Sec. 31, Well #M-12 SE/SE
 Sec. 32, Well #N-T1 NW SW
 Sec. 33, Well #P-11 NW SE
 Sec. 33, Well #P-17 NW NE
 Township 41 South,
 Range 24 East
 Sec. 12, Well #I-20 SE SE
 Township 41 South,
 Range 25 East
 Sec. 4, Well #R-13 NW NW
 Sec. 8, Well #O-18 SE NW

INJECTION ZONE: Ismay-Deseret Creek 5174'-5767'

MAXIMUM INJECTION PRESSURE: 2,800 psi
 MAXIMUM INJECTION RATE: 2,000 barrels of water per day

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections if any, should be mailed to: Division of Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City, Utah.

STATE OF UTAH
 DIVISION OF OIL,
 GAS AND MINING
 MARJORIE L. LARSON
 Secretary of the Board

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That the legal notice of which a copy is attached hereto

.....Cause No. UIC-027 - Application of Superior.....

.....Oil Co.....

.....was published in said newspaper on.....

.....September 22, 1983.....

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this28th..... day of

.....September.....

.....A.D. 1983.....

Joyce L. Marlar
Notary Public

My Commission Expires

.....July 23, 1986.....



AFFIDAVIT OF PUBLICATION

PUBLIC NOTICE

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

IN THE MATTER OF THE
APPLICATION OF SUPERIOR
OIL COMPANY, FOR ADMINIS-
TRATIVE APPROVAL TO IN-
JECT WATER INTO CERTAIN
WELLS LOCATED IN SAN JUAN
COUNTY, UTAH

CAUSE NO. UIC-027

THE STATE OF UTAH TO ALL
PERSONS, OWNERS, PRODUC-
ERS, OPERATORS, PURCHAS-
ERS AND TAKERS OF OIL AND
GAS AND ALL OTHER INTER-
ESTED PERSONS, PARTICU-
LARLY IN SAN JUAN COUNTY,
UTAH:

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P.O. Drawer "G", Cortez, Colo-
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East. Sec. 36, Well # F-11 NW/
SW.

Township 40 South, Range 25
East. Sec. 31, Well # M-12 SE/
SE. Sec. 32, Well # N-11 NW
SW. Sec. 33, Well # P-11 NW
SE. Sec. 33, Well # P-17 NW
NE

Township 41 South, Range 24
East. Sec. 12, Well # I-20 SE
SE.

Township 41 South, Range 25
East. Sec. 4, Well # R-13 NW
NW. Sec. 8, Well # O-18 SE
NW.

INJECTION ZONE: Ismay -
Deseret Creek 5174 feet - 5767
feet.

MAXIMUM INJECTION PRES-
SURE: 2,800 psi

MAXIMUM INJECTION RATE:
2,000 barrels of water per day.

This application will be granted
unless objections are filed with
the Division of Oil, Gas and
Mining within fifteen days after
publication of this Notice. Ob-
jections if any, should be mailed
to: Division of Oil, Gas and
Mining, Room 4241 State Office
Building, Salt Lake City, Utah.

STATE OF UTAH
DIVISION OF OIL, GAS
AND MINING
s/Thalia Pratt
for Marjorie L. Larson
Secretary of the Board

Published in The San Juan Record
September 22, 1983.

I, Joyce Martin, being duly sworn,
depose and say that I am the publisher of the San
Juan Record, a weekly newspaper of general circulation
published at Monticello, Utah, every Thursday; that
notice of Cause No. UIC-027

a copy of which is hereunto attached, was published in
the regular and entire issue of each number of said
newspaper for a period of One issues, the first
publication having been made on _____
and the last publication having been made on September
Twenty-two

Signature

Joyce A. Martin
Publisher

Subscribed and sworn to before me this Twenty-second
day of September, A.D. 1983.

Dorothy Barr
Notary Public
Residing at Monticello, Utah

My commission expires May 17, 1986

AFFIDAVIT OF PUBLICATION

PUBLIC NOTICE

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

IN THE MATTER OF THE
APPLICATION OF SUPERIOR
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TRATIVE APPROVAL TO IN-
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WELLS LOCATED IN SAN JUAN
COUNTY, UTAH

CAUSE NO. UIC-027

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SW.

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SE. Sec. 32, Well # N-11 NW
SW. Sec. 33, Well # P-11 NW
SE. Sec. 33, Well # P-17 NW
NE

Township 41 South, Range 24
East. Sec. 12, Well # I-20 SE
SE.

Township 41 South, Range 25
East. Sec. 4, Well # R-13 NW
NW. Sec. 8, Well # O-18 SE
NW.

INJECTION ZONE: Ismay -
Deseret Creek 5174 feet - 5767
feet.

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SURE: 2,800 psi

MAXIMUM INJECTION RATE:
2,000 barrels of water per day.

This application will be granted
unless objections are filed with
the Division of Oil, Gas and
Mining within fifteen days after
publication of this Notice. Ob-
jections if any, should be mailed
to: Division of Oil, Gas and
Mining, Room 4241 State Office
Building, Salt Lake City, Utah.

STATE OF UTAH
DIVISION OF OIL, GAS
AND MINING
s/Thalia Pratt
for Marjorie L. Larson
Secretary of the Board

Published in The San Juan Record
September 22, 1983.

I, Joyce Martin, duly sworn,

depose and say that I am the publisher of the San
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notice of Cause No. UIC-027

a copy of which is hereunto attached, was published in
the regular and entire issue of each number of said
newspaper for a period of One issues, the first
publication having been made on _____
and the last publication having been made on September
Twenty-two

Signature Joyce A. Martin
Publisher

Subscribed and sworn to before me this Twenty-second
day of September, A.D. 1983.

Sarahy Barr
Notary Public
Residing at Monticello, Utah

My commission expires May 17, 1986

AFFIDAVIT OF PUBLICATION

PUBLIC NOTICE

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

IN THE MATTER OF THE
APPLICATION OF SUPERIOR
OIL COMPANY, FOR ADMINIS-
TRATIVE APPROVAL TO IN-
JECT WATER INTO CERTAIN
WELLS LOCATED IN SAN JUAN
COUNTY, UTAH

AMENDED NOTICE
CAUSE NO. UIC-027

THE STATE OF UTAH TO
ALL PERSONS, OWNERS PRO-
DUCERS, OPERATORS, PUR-
CHASERS AND TAKERS OF OIL
AND GAS AND ALL OTHER
INTERESTED PERSONS, PAR-
TICULARLY IN SAN JUAN
COUNTY, UTAH:

NOTICE IS HEREBY GIVEN
that Superior Oil Company, P.O.
Drawer "G", Cortez, Colorado
81321 is requesting that the
Division authorize the approval
to convert the well mentioned
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24 East

Sec. 36, Well # F-11 NW/SW
Township 40 South, Range

25 East

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Sec. 32, Well # N-11 NW/SW

Sec. 33, Well # P-11 NW/NE

Township 41 South, Range

24 East

Sec. 12, Well # I-20 SE/SE

Township 41 South, Range

25 East

Sec. 4, Well # R-13 NW/NW

Sec. 8, Well # P-17 NW/NE

Sec. 8, Well # O-18 SE/NW

INJECTION ZONE: Ismay -

Deseret Creek 5174' - 5767'

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MAXIMUM INJECTION RATE:

2,000 barrels of water per day

This application will be granted

unless objections are filed with

the Division of Oil, Gas and

Mining within fifteen days after

publication of this Notice. Ob-

jections if any, should be mailed

to: Division of Oil, Gas and

Mining, Room 4241 State Office

Building, Salt Lake City,

Utah 84114.

STATE OF UTAH

DIVISION OF OIL, GAS

AND MINING

s/ Marlayne Poulsen, for

MARJORIE L. LARSON

Administrative Assistant

Published in The San Juan Record

February 15, 1984.

I, Joyce Martin, being duly sworn,

depose and say that I am the publisher of the San
Juan Record, a weekly newspaper of general circulation
published at Monticello, Utah, every ~~Thursday~~ ^{Wednesday}, that
notice of Amended Notice Cause No. UIC-027
Superior Oil Company

a copy of which is hereunto attached, was published in
the regular and entire issue of each number of said
newspaper for a period of 1 issues, the first
publication having been made on February 15, 1984
and the last publication having been made on _____

Signature Joyce A. Martin
Publisher

Subscribed and sworn to before me this 15th
day of February, A.D. 1984.

Dwight K Adams
Notary Public
Residing at Monticello, Utah

My commission expires December 2, 1987

AFFIDAVIT OF PUBLICATION

PUBLIC NOTICE

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

IN THE MATTER OF THE
APPLICATION OF SUPERIOR
OIL COMPANY, FOR ADMINIS-
TRATIVE APPROVAL TO IN-
JECT WATER INTO CERTAIN
WELLS LOCATED IN SAN JUAN
COUNTY, UTAH

AMENDED NOTICE
CAUSE NO. UIC-027

THE STATE OF UTAH TO
ALL PERSONS, OWNERS PRO-
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Township 40 South, Range

25 East

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Sec. 32, Well # N-11 NW/SW

Sec. 33, Well # P-11 NW/NE

Township 41 South, Range

24 East

Sec. 12, Well # I-20 SE/SE

Township 41 South, Range

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jections if any, should be mailed
to: Division of Oil, Gas and
Mining, Room 4241 State Office
Building, Salt Lake City,
Utah 84114.

STATE OF UTAH
DIVISION OF OIL, GAS
AND MINING

s/ Marlayne Poulsen, for
MARJORIE L. LARSON
Administrative Assistant

Published in The San Juan Record
February 15, 1984.

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depose and say that I am the publisher of the San
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Superior Oil Company

a copy of which is hereunto attached, was published in
the regular and entire issue of each number of said
newspaper for a period of 1 issues, the first
publication having been made on February 15, 1984
and the last publication having been made on _____

Signature

Joyce A. Martin
Publisher

Subscribed and sworn to before me this 15th
day of February, A.D. 1984.

Ingrid K Adams
Notary Public
Residing at Monticello, Utah

My commission expires December 2, 1987

Affidavit of Publication

ADM-35B

STATE OF UTAH,
County of Salt Lake

SS.

..... Cheryl Gierloff

AMENDED NOTICE
CAUSE NO. UIC-027
BEFORE THE DIVISION OF OIL, GAS AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

IN THE MATTER OF THE APPLICATION OF SUPERIOR OIL COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT WATER INTO CERTAIN WELLS LOCATED IN SAN JUAN COUNTY, UTAH.

THE STATE OF UTAH TO ALL PERSONS, OWNERS PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SAN JUAN COUNTY, UTAH:

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- Township 40 South, Range 25 East
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- Sec. 33, Well #P-11 NW/NE
- Township 41 South, Range 24 East
- Sec. 12, Well #I-20 SE/SE
- Township 41 South, Range 25 East
- Sec. 4, Well #R-13 NW/NW
- Sec. 8, Well #P-17 NW/NE
- Sec. 8, Well #O-18 SE/NW

AINJECTION ZONE: Ismay-Deseret Creek 5174'-5767'

MAXIMUM INJECTION PRESSURE: 2,800 psi

MAXIMUM INJECTION RATE: 2000 barrels of water per day

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to: Division of Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City, Utah 84114.

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

D-4

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

That the legal notice of which a copy is attached hereto

..... Amended Notice Cause No. UIC-027

..... Application of Superior Oil Co.

..... was published in said newspaper on

..... February 14, 1984

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this 23rd day of

..... February A.D. 19...84...

Joyce L. Marlar
Notary Public

My Commission Expires

..... July 23, 1986

Affidavit of Publication

ADM-358

STATE OF UTAH,
County of Salt Lake

SS.

.....Cheryl Gierloff.....

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

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Legal Advertising Clerk

Subscribed and sworn to before me this23rd..... day of

.....February..... A.D. 19...84...

Joyce L. Marlar
Notary Public

My Commission Expires

.....July 23, 1986.....

AMENDED NOTICE
CAUSE NO. UIC-027
BEFORE THE DIVISION OF OIL, GAS AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

IN THE MATTER OF THE APPLICATION OF SUPERIOR OIL COMPANY, FOR ADMINISTRATIVE APPROVAL TO INJECT WATER INTO CERTAIN WELLS LOCATED IN SAN JUAN COUNTY, UTAH.

THE STATE OF UTAH TO ALL PERSONS, OWNERS PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SAN JUAN COUNTY, UTAH:

NOTICE IS HEREBY GIVEN that Superior Oil Company, P.O. Drawer "G", Cortez, Colorado 81321 is requesting that the Division authorize the approval to convert the well mentioned below, to water injection wells as follows:

- Township 40 South, Range 24 East
Sec. 36, Well #F-11 NW/SW
- Township 40 South, Range 25 East
Sec. 31, Well #M-12 SE/SE
Sec. 32, Well #N-11 NW/SW
Sec. 33, Well #P-11 NW/NE
- Township 41 South, Range 24 East
Sec. 12, Well #I-20 SE/SE
- Township 41 South, Range 25 East
Sec. 4, Well #R-13 NW/NW
Sec. 8, Well #P-17 NW/NE
Sec. 9, Well #O-18 SE/NW

AINJECTION ZONE: Ismay-Deseret Creek 5174'-5767'
MAXIMUM INJECTION PRESSURE: 2,800 psi
MAXIMUM INJECTION RATE: 2000 barrels of water per day

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections, if any, should be mailed to: Division of Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City, Utah 84114.

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

D-4



STATE OF UTAH
 NATURAL RESOURCES
 Oil, Gas & Mining

Scott M. Matheson, Governor
 Temple A. Reynolds, Executive Director
 Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 12, 1983

Superior Oil Company
 P.O. Drawer "G"
 Cortez, CO 81321

Re: Class II Injection Well
 Approval
 Cause No. UIC-027

Gentlemen:

Please be advised that administrative approval has been granted to inject water into the wells mentioned below. This approval is conditional upon adhering to the UIC rules and regulations adopted by the Board of Oil, Gas and Mining and by not exceeding the maximum authorized pressures and rates.

Township 40 South, Range 24 East

Sec. 36, Well # F-11 NW SW

Township 40 South, Range 25 East

Sec. 31, Well # M-12 SE SE

Sec. 32, Well # N-11 NW SW

Sec. 33, Well # P-11 NW SE

Township 41 South, Range 24 East

Sec. 12, Well # I-20 SE SE

Township 41 South, Range 25 East

Sec. 4, Well # R-13 NW NW

Sec. 8, Well # O-18 SE NW

Sec. 8, Well # P-17 NW NE

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

Sincerely,

Dr. G.A. (Jim) Shirazi
 Director

GS/TP/tp

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

| | | |
|----------------------------------|---|-------------------|
| IN THE MATTER OF THE APPLICATION |) | |
| OF SUPERIOR OIL COMPANY, FOR |) | AMENDED NOTICE |
| ADMINISTRATIVE APPROVAL TO |) | CAUSE NO. UIC-027 |
| INJECT WATER INTO CERTAIN WELLS |) | |
| LOCATED IN SAN JUAN COUNTY, |) | |
| UTAH |) | |

THE STATE OF UTAH TO ALL PERSONS, OWNERS PRODUCERS, OPERATORS, PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS, PARTICULARLY IN SAN JUAN COUNTY, UTAH:

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Sec. 33, Well # P-11 NW/NE

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Township 41 South, Range 25 East

Sec. 4, Well # R-13 NW/NW
Sec. 8, Well # P-17 NW/NE
Sec. 8, Well # O-18 SE/NW

INJECTION ZONE: Ismay - Deseret Creek 5174' - 5767'

MAXIMUM INJECTION PRESSURE: 2,800 psi

MAXIMUM INJECTION RATE: 2,000 barrels of water per day

Page 2

Notice of Publication

This application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this Notice. Objections if any, should be mailed to: Division of Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City, Utah 84114.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Marjorie Larson
for

MARJORIE L. LARSON
Administrative Assistant



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

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

RE: AMENDED NOTICE
CAUSE NO. UIC-027

Gentlemen:

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

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 16th day of Feb.. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

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

MARJORIE L. LARSON
Administrative Assistant



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

San Juan Record
Legal Advertizing
Monicello, Utah 84535

RE: AMENDED NOTICE
CAUSE NO. UIC-027

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DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Marjorie Larson".

MARJORIE L. LARSON
Administrative Assistant



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 12, 1983

Superior Oil Company
P.O. Drawer "G"
Cortez, CO 81321

Re: Class II Injection Well
Approval
Cause No. UIC-027

Gentlemen:

Please be advised that administrative approval has been granted to inject water into the wells mentioned below. This approval is conditional upon adhering to the UIC rules and regulations adopted by the Board of Oil, Gas and Mining and by not exceeding the maximum authorized pressures and rates.

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Sec. 4, Well # R-13 NW NW

Sec. 8, Well # O-18 SE NW

Sec. 8, Well # P-17 NW NE

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

Sincerely,

Dr. G.A. (Jim) Shirazi
Director

GS/TP/tp

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

IN THE MATTER OF THE APPLICATION)
OF SUPERIOR OIL COMPANY, FOR)
ADMINISTRATIVE APPROVAL TO)
INJECT WATER INTO CERTAIN WELLS) CAUSE NO. UIC-027
LOCATED IN SAN JUAN COUNTY,)
UTAH.)

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS,
PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS,
PARTICULARLY IN SAN JUAN COUNTY, UTAH:

NOTICE IS HEREBY GIVEN THAT Superior Oil Company, P.O. Drawer
"G", Cortez, Colorado 81321, is requesting that the Division authorize
the approval to convert the wells mentioned below, to water injection
wells as follows:

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Township 40 South, Range 25 East

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Sec. 33, Well # P-11 NW SE

Sec. 33, Well # P-17 NW NE

Township 41 South, Range 24 East

Sec. 12, Well # I-20 SE SE

Township 41 South, Range 25 East

Sec. 4, Well # R-13 NW NW

Sec. 8, Well # O-18 SE NW

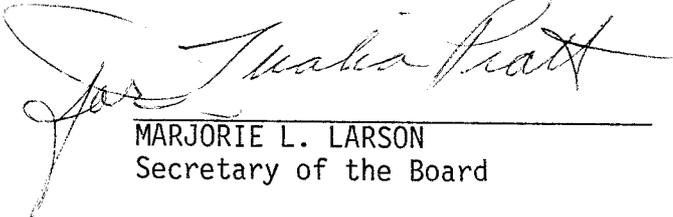
INJECTION ZONE: Ismay - Deseret Creek 5174' - 5767'

MAXIMUM INJECTION PRESSURE: 2,800 psi

MAXIMUM INJECTION RATE: 2,000 barrels of water per day

This application will be granted unless objections are filed with
the Division of Oil, Gas and Mining within fifteen days after publication
of this Notice. Objections if any, should be mailed to: Division of
Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City,
Utah.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJORIE L. LARSON
Secretary of the Board

FORM NO. DOGM-UIC-5
(1981)

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

RECEIVED
JAN 26 1984

RULE I-7 (d & e)

**DIVISION OF
OIL, GAS & MINING**

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

Check Appropriate Classification:

Date of Commencement ~~XXXXXX~~ 12-27-83

Disposal Well

Enhanced Recovery Injection Well

Enhanced Recovery Project

Well Name McELMO CREEK UNIT #P-17

Location: Section 8 Twp. 41S Rng. 25E, County SAN JUAN

Order No. authorizing Injection UIC-027 Date 10-12-83

Zone into Which Fluid Injected ISMAY, DESERT CREEK ZONE I

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

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

Operator SUPERIOR OIL COMPANY

Address P. O. DRAWER "G", CORTEZ, COLORADO 81321

David B. Jensen
Signature David B. Jensen, Engineer

12-28-83
Date

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other WATER INJECTION

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FNL, 1980' FNL, SEC. 8
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

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

| | | |
|---------------------------------------|--------------------------|-------------------------------------|
| REQUEST FOR APPROVAL TO: | | SUBSEQUENT REPORT OF: |
| TEST WATER SHUT-OFF | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | <input type="checkbox"/> |
| (other) <u>Converted to injection</u> | | |

| | |
|--|-------------------|
| 5. LEASE 14-20-603-263 | |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO | |
| 7. UNIT AGREEMENT NAME McELMO CREEK UNIT | |
| 8. FARM OR LEASE NAME | |
| 9. WELL NO. #P-17 | |
| 10. FIELD OR WILDCAT NAME GREATER ANETH | |
| 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 8, T41S, R25E | |
| 12. COUNTY OR PARISH SAN JUAN | 13. STATE UTAH |
| 14. API NO. | |
| 15. ELEVATIONS (SHOW DF, KDB, AND WD) DF: 4953' GL: 4944' | |

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

- 12-9-83: MIRU.
- 12-10-83: POH & LD rods, pump, 3-1/2" tbg, A/C, perfed sub.
- 12-11-83: SDFN.
- 12-12-83: PU & RIH w/ bit, scraper & tbg. Tag PBDT at 5545'. POH. RIH w/ pkr, tbg. Set pkr at 5216'.
- 12-13-83: RU Western. Pump 500 sx Class 'B' cmt + 10% salt + 0.5% CF10. Displaced through perms. On Vacuum.
- 12-14-83: Pump 200 sx Class 'B' cmt + 10% salt + 0.5% CF10 w/ Hi-seal in first 100 sx. Sqz to 3500 psig. Reverse out cmt. PU set pkr. Pressure to 3000 psig. SDFN.
- 12-15-83: POH. RIH w/ bit, scraper & tbg. DO 60', cmt soft. Circulate hole clean. pressure to 1000 psig. SDFN. (continued on reverse side)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED David B. Jensen TITLE ENGINEER DATE 12-28-83
DAVID B. JENSEN

(This space for Federal or State office use)

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

RECEIVED
JAN 30 1984

*See Instructions on Reverse Side

DIVISION OF
OIL, GAS & MINING

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 43-037-30179 | 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 |

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

OPERATOR: MEPNA

FIELD: Greater Aneth LEASE: McElmo Creek

WELL # P-17 SEC. 8 TOWNSHIP 41S RANGE 25E

STATE FED. FEE DEPTH 5578 TYPE WELL INJW MAX. INJ. PRESS. 2800 psi
 PBTD 5550 water tracer Log 10/16/85 2000 BWPD

TEST DATE 9/10/86

| CASING STRING | SIZE | SET AT | CMT | PRESSURE READINGS | REMARKS | FUTURE |
|---------------------|-------------------------------------|--------------|-----|-------------------|---------|--------|
| <u>SURFACE</u> | <u>16"</u> | <u>40'</u> | | <u>0#</u> | | |
| <u>INTERMEDIATE</u> | <u>10³/₄"</u> | <u>1304'</u> | | <u>0#</u> | | |
| <u>PRODUCTION</u> | <u>7"</u> | <u>5578</u> | | | | |

| | | | | | | |
|----------------------|--------------|--|--|--------------|----------------------------------|--|
| <u>TUBING</u> | <u>27/8"</u> | | | <u>1850#</u> | <u>Read from blow-down valve</u> | |
| <u>(CIBP 5437) ?</u> | | | | | | |

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

| | | | | | | |
|---------------|--|--|--|--|--|--|
| <u>TUBING</u> | | | | | | |
|---------------|--|--|--|--|--|--|

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

| | | | | | | |
|---------------|--|--|--|--|--|--|
| <u>TUBING</u> | | | | | | |
|---------------|--|--|--|--|--|--|

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
JUL 23 1990

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: September 30, 1990
Case Designation and Serial No.

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.

14-20-603-263

6. If Indian, Allottee or Tribe Name

Navajo

7. If Unit or CA, Agreement Designation

McElmo Creek Unit

8. Well Name and No.

P-17

9. API Well No.

43-037-15519

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 Well

2. Name of Operator

MOBIL OIL CORPORATION

3. Address and Telephone No. %Mobil Exploration & Producing U.S. Inc.

P.O. Box 633 Midland, Texas 79702

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

660' FNL, 1980' FEL SEC. 41S, 25E, NWNE *Sec. 8*

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 checked="" type="checkbox"/> Conversion to Injection |

Conversion to CO₂

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

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

- 6-01-90 MIRU. Laid down inj. string & pkr.
- 6-05-90 Repair 7" csg.. Test to 5000#/OK
- 6-06-90 Circ. well clean
- 6-07-90 GIH w/7" R. Pkr. on 2 7/8 tbg. Set pkr @ 5223 & test ann.
- 6-08-90 Acdz Ismay & Desert Creek perfs 5315'-5421' w/5300 gals 15% HCL Acid + 1000 gals salt.
- 6-09-90 Swab
- 6-12-90 RIH w/inj. equip.
- 6-13-90 GIH w/Baker inverted pkr. set @ 5249. Test ann. & pkr. 1000#/OK. RD & REL Pool Well Serv.. Conversion made for CO₂ injection.

CORRECTIONS MADE ON #4 & #9

RECEIVED
 JUL 23 1990
 DIVISION OF OIL, GAS & MINING

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

Signed

Shirley Doad

Title

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

Date

7-18-90

(This space for Federal or State office use)

Approved by

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.
14-20-603-263

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 P-17

9. API Well No.
43-037-15519

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)

700' FNL, 2035' FEL; SEC. 8, T41S, R25E

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

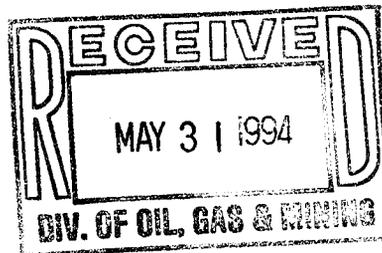
Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other **WORKOVER**
 Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

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

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

SEE ATTACHED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY



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

Signed D. Irwin for Shirley Jodd Title ENV. & REG. TECHNICIAN Date 05/25/94

(This space for Federal or State office use)

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

McElmo Creek Unit P-17
Workover Procedure

1. MI 100+ bbl flat bottom open top tank with gas vent line. 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 injection pump to fresh water transport. Lay flow line from wing valve to a choke manifold having two adjustable chokes. Lay flowline from choke manifold to flat bottom tank. Stake and chain flowline down. PT coiled tubing to 6000 psi using injection water.
2. RIH with 1-1/4" coiled tubing with perforation wash nozzle and CD to PBTD at 5433' using fresh water at maximum circulating rate at maximum circulating pressure of 5000 psi. Spot 5 bols of xylene across perforations and bullhead into formation using fresh water. POH. If unable to CD fill using injection water, attempt to clean out fill using 10 bol of 15 percent HCL acid containing 2 gals/mgals corrosion inhibitor, and 10 lbs/mgals iron sequestering agent, 1 percent mutual solvent, neutralizing any unspent acid that returns to tank. If unsuccessful in cleaning well out, POH, RIH with 1-3/4" dynadrill on 1-1/4" coiled tubing and drill out fill. POH.
3. MIRU wireline unit with lubricator. Turn off all radios/cellular telephones on location and post warning signs for radio/cellular telephone silence at all roads within 100 yards of location. RIH with 1-11/16" magnetically decentralized Enerjet perforating guns loaded with 8.0 gram RDX charges at 6 SPF, 0 degree phasing and perforate 5358'-5421' and 5314'-5340'. POH. RDMO wireline.
4. RU coiled tubing. Pickle coiled tubing with 3 bbls of 15 percent HCL acid, reverse out to pit or tank and neutralize. RIH with 1-1/4" coiled tubing with perforation wash nozzle. Wash perforations shot in previous step without taking returns using 2 bbls/ft of 15 percent HCL acid. NOTE: All acid pumped into well to contain 2 gals/mgals corrosion inhibitor, 10 lbs/mgals iron sequestering agent, and 1 percent mutual solvent. Pump rate should be maximum injection rate at 5000 psi surface injection pressure. Overdisplace acid using fresh water. POH. RDMO coiled tubing unit and all surface equipment.
5. Pump out tank. Place well on water injection at maximum choke setting. Turn well over to production.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.
14-20-603-263

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 P-17

9. API Well No.
43-037-15519

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)

**700' FNL, 2035' FEL; SEC. 8, T41S, R25E
w/6' 1980'**

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

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

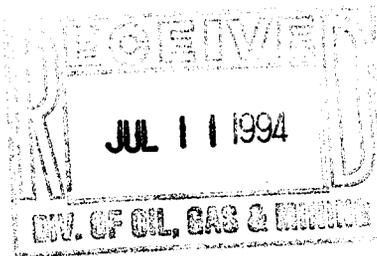
Abandonment Change of Plans
 Recompletion New Construction
 Plugging Back Non-Routine Fracturing
 Casing Repair Water Shut-Off
 Altering Casing Conversion to Injection
 Other **WORKOVER** Dispose Water

(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.)*

06/26/94 MIRU. SPOT 5 BBLs XYLENE ACROSS PERFS. PERF 5358-5421' W/6 JSPF.

06/27/94 PRESS TEST LINES TO 5000 PSI - OK.



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

Signed *D. Harris for Shirley Lee* Title **ENV. & REG. TECHNICIAN**

Date **07/05/94**

(This space for Federal or State office use)

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

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

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

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

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

Other
OPER NM CHG

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

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

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

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

4. Highlights of Conversation: _____

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

Mobil Oil Corporation

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

May 14, 1986

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

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

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

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

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

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

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

TO (new operator) MOBIL EXPLOR & PROD
 (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>037-15519</u> | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |
| Name: _____ | API: _____ | Entity: _____ | Sec _____ | Twp _____ | Rng _____ | Lease Type: _____ |

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (8-3-95)
- LWP 6. Cardex file has been updated for each well listed above. 8-31-95
- Wp 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

- Yes* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/*no*) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) ** No Fee Lease Wells at this time!*

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

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

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

FILMING

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

FILING

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

COMMENTS

950803 LIC F5 / Not necessary!

STATE OF UTAH
INVENTORY OF INJECTION WELLS

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

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

June 27, 2001

ExxonMobil
Production

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

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

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

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

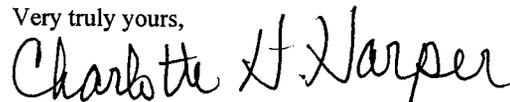
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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

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

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

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

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

RECEIVED

JUN 29 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

XXXXXXXXXXXXXXXXXXXX
Navajo Area Office
NAVAJO REGION

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

AUG 30 2001

IN REPLY REFER TO:

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

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

Dear Ms. Harper:

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

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

Sincerely,

GENNI DENETSONE

Regional Realty Officer

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

| | |
|--------------------|------------|
| MINERAL RESOURCES | |
| ADM 1 | <i>DMC</i> |
| NATV AM MIN COORD | _____ |
| SOLID MIN TEAM | _____ |
| PETRO MGMT 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

AD 7/12/2001

GN

543

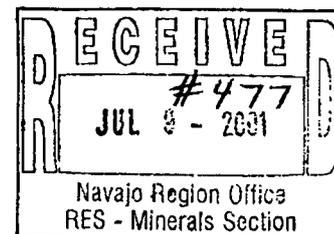
File

June 27, 2001

ExxonMobil
Production

Certified Mail
Return Receipt Requested

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



Change of Name -
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

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

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

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

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

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

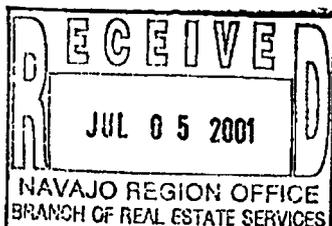
If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper

Charlotte H. Harper
Permitting Supervisor

Attachments



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

NOTE: Check forwarded to Ella Issac

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

Gentlemen:

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

OFFICERS

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

DIRECTORS

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

Sincerely,



Alex Correa

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



Signature

AGENT AND ATTORNEY IN FACT

Title

CERTIFICATION

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

CHANGE OF COMPANY NAME

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

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

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

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

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

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

S. A. Sullivan
Assistant Secretary

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

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

Janice M. Phillips
Notary Public



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

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

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

100 West Loop South, Suite 1900, Houston, Texas 77027-3301
Telephone: (713) 297-4600 • Facsimile: (713) 297-4750

NW Bond

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

BOND NO 8027 31 97

wherein

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

FEDERAL INSURANCE COMPANY AS SURETY,

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

in the amount of **\$150,000.00**

bond date: 11/01/65

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

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

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

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

ExxonMobil Oil Corporation

By:



FEDERAL INSURANCE COMPANY

By:



Mary Pierson, Attorney-in-fact



**Chubb
Surety**

**POWER
OF
ATTORNEY**

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

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

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

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

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

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



Notary Public State of New Jersey
No. 2231647
Commission Expires Oct 29, 2004

Karen A. Price
Notary Public

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

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

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

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

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



Kenneth C. Wendel, 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 09:06 NO.133 03/04

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

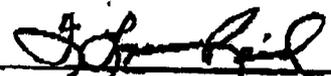
IN WITNESS WHEREOF, this Certificate has been signed this 22nd Day of May, 2001.



F. A. Risch, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

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



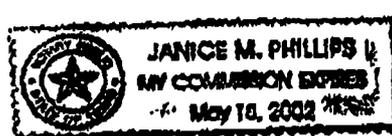
F. L. REID, Secretary

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

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



CSC
CSC

5184334741

06/01 '01 09:01 NO. 411 02/02
06/01 '01 09:00 NO. 133 04/04
F010601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

**STATE OF NEW YORK
DEPARTMENT OF STATE**

100 cc

Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

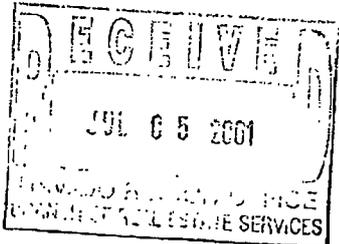
5959 Las Colinas Blvd.
(Mailing address)

TAX \$ _____
BY: *SAC*

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

ny Albany

Cust Ref # 165578 MPJ



010601000195

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

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

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



Special Deputy Secretary of State

OPERATOR CHANGE WORKSHEET

ROUTING

| |
|---------|
| 1. GLH |
| 2. CDW |
| 3. FILE |

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

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

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

CA No. Unit: MCELMO CREEK

WELL(S)

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

7. **Federal and Indian Units:**

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

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

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

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

NOTE: EPA ISSUES UIC PERMITS

DATA ENTRY:

- 1. Changes entered in the **Oil and Gas Database** on: 04/16/2002
- 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/16/2002
- 3. Bond information entered in RBDMS on: N/A
- 4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/21/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/24/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/7/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 5733505-0143
5. If **NO**, the operator was contacted on:
- 6a. (R649-9-2)Waste Management Plan has been received on: requested
- 6b. Inspections of LA PA state/fee well sites complete on: n/a
- 6c. Reports current for Production/Disposition & Sundries on: ok
7. **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
8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
10. **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:

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

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a
2. Indian well(s) covered by Bond Number: PA002769
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- 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:

4. (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 | | Field or Unit Name McElmo Creek Unit |
| Footage : See attached list | County : San Juan | Lease Designation and Number See attached list |
| QQ, Section, Township, Range: | State : UTAH | |

EFFECTIVE DATE OF TRANSFER: 6/1/2006

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

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

Approval Date: 6/12/06

Comments:

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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 |
| PHONE NUMBER: (303) 534-4600 | | 10. FIELD AND POOL, OR WILDCAT: Greater Aneth |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached list | | COUNTY: San Juan |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: | | 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> |

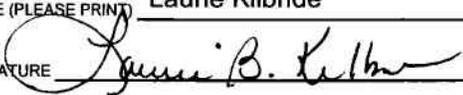
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| 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 | 2105FNL | 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 114-10 (MCELMO P-17) | | | | |
| 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) 1420603263 | | | 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 | | 579 FNL 1837 FEL | | NWNE | 8 | 41.0 S | 25.0 E | S | | |
| Top of Uppermost Producing Zone | | 554 FNL 1794 FEL | | NWNE | 8 | 41.0 S | 25.0 E | S | | |
| At Total Depth | | 537 FNL 1764 FEL | | NWNE | 8 | 41.0 S | 25.0 E | S | | |
| 21. COUNTY SAN JUAN | | | 22. DISTANCE TO NEAREST LEASE LINE (Feet) 542 | | | 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: 5563 TVD: 5551 | | | | |
| 27. ELEVATION - GROUND LEVEL 4572 | | | 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 - 1321 | 32.75 | H-40 ST&C | 0.0 | Class B | 1080 | 0.0 | 0.0 |
| PROD | 9 | 7 | 0 - 5572 | 23.0 | J-55 Casing/Tubing | 0.0 | Class B | 350 | 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 09/14/2012 | | | EMAIL sglass@resoluteenergy.com | | | | |
| API NUMBER ASSIGNED 43037155190000 | | | APPROVAL  Permit Manager | | | | | | | |

Sidetrack for Desert Creek IIC Horizon
McElmo Creek Unit P-17
579' FNL & 1837' FEL
Sec 8, T41S, R25E
San Juan County, Utah
API 43-037-15519
PRISM 0000363

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 5440'.
4. Run casing inspection log from PBD to 2000', and cement bond log from PBD to 1000'. 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 5200' 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. Pressure test casing.
6. Set a whipstock on top of the CIBP, oriented to 60° 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, steering the wellbore so as to be approximately 50 feet away from the existing wellbore at the IIC top (5452' TVD). From there, drill through the IIC to TD w/plain drilling BHA and no mud motor.
9. Drill to a total depth of 5551'TVD, ~3' 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 5551' 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 Lower Ismay & DC-I along with the newly opened DC-IIC.

**ADDITIONAL INFORMATION TO SUPPORT
Sundry – Notice of Intent
Mc Elmo Creek Unit P-17
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):

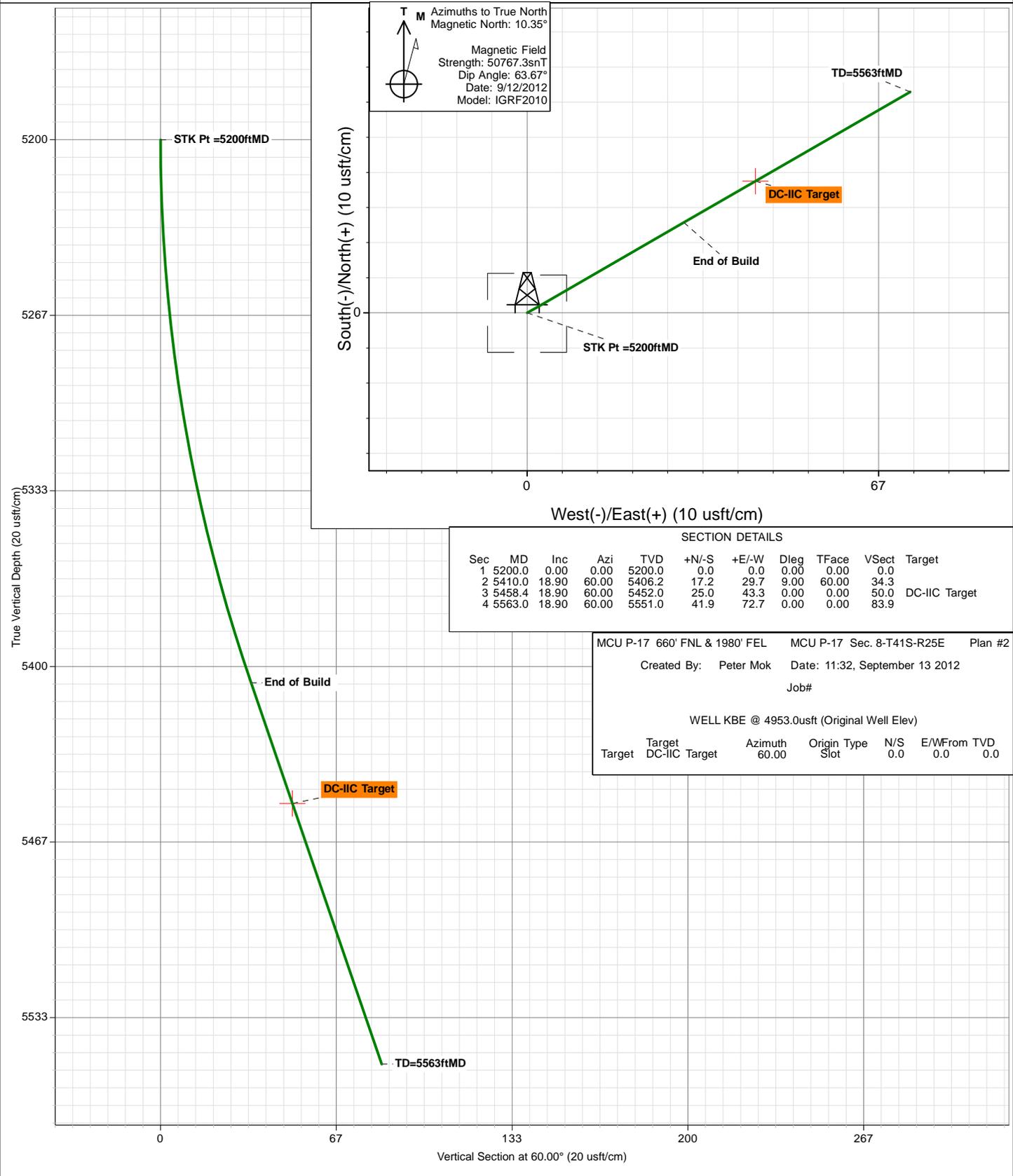
| | |
|---------------------|------|
| Upper Ismay: | 5211 |
| Lower Ismay: | 5283 |
| Gothic Shale: | 5348 |
| Desert Creek IA: | 5358 |
| Desert Creek IB: | 5382 |
| Desert Creek IC: | 5398 |
| Desert Creek IIA: | 5412 |
| Desert Creek IIB: | 5430 |
| Desert Creek IIC: | 5452 |
| Desert Creek III: | 5521 |
| Chimney Rock Shale: | 5548 |

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 Lower Ismay & DC-I 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 P-17 660' FNL & 1980' FEL
 Well: MCU P-17 Sec. 8-T41S-R25E
 Wellbore: STK #1
 Plan #2



T M Azimuths to True North
 Magnetic North: 10.35°
 Magnetic Field
 Strength: 50767.3snT
 Dip Angle: 63.67°
 Date: 9/12/2012
 Model: IGRF2010

| SECTION DETAILS | | | | | | | | | | |
|-----------------|--------|-------|-------|--------|-------|-------|------|-------|--------|---------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | V Sect | Target |
| 1 | 5200.0 | 0.00 | 0.00 | 5200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 5410.0 | 18.90 | 60.00 | 5406.2 | 17.2 | 29.7 | 9.00 | 60.00 | 34.3 | |
| 3 | 5458.4 | 18.90 | 60.00 | 5452.0 | 25.0 | 43.3 | 0.00 | 0.00 | 50.0 | DC-IIC Target |
| 4 | 5563.0 | 18.90 | 60.00 | 5551.0 | 41.9 | 72.7 | 0.00 | 0.00 | 83.9 | |

MCU P-17 660' FNL & 1980' FEL MCU P-17 Sec. 8-T41S-R25E Plan #2
 Created By: Peter Mok Date: 11:32, September 13 2012
 Job#
 WELL KBE @ 4953.0usft (Original Well Elev)
 Target Target Target Azimuth Origin Type N/S E/WFrom TVD
 Target DC-IIC Target 60.00 Slot 0.0 0.0 0.0



Resolute Natural Resources

**McELMO Creek Unit
MCU P-17 660' FNL & 1980' FEL
MCU P-17 Sec. 8-T41S-R25E**

STK #1

Plan: Plan #2

Standard Planning Report

13 September, 2012





| | | | |
|------------------|-------------------------------|-------------------------------------|--|
| Database: | EDMDB | Local Co-ordinate Reference: | Well MCU P-17 Sec. 8-T41S-R25E |
| Company: | Resolute Natural Resources | TVD Reference: | WELL KBE @ 4953.0usft (Original Well Elev) |
| Project: | McELMO Creek Unit | MD Reference: | WELL KBE @ 4953.0usft (Original Well Elev) |
| Site: | MCU P-17 660' FNL & 1980' FEL | North Reference: | True |
| Well: | MCU P-17 Sec. 8-T41S-R25E | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | STK #1 | | |
| Design: | Plan #2 | | |

| | | | |
|--------------------|--------------------------------------|----------------------|----------------|
| 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 P-17 660' FNL & 1980' FEL | | | | |
| Site Position: | | Northing: | 241,776.90 usft | Latitude: | 37° 18' 18.690 N |
| From: | Lat/Long | Easting: | 2,710,621.61 usft | Longitude: | 109° 3' 23.700 W |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 1.50 ° |

| | | | | | | |
|-----------------------------|---------------------------|----------|----------------------------|-------------------|----------------------|------------------|
| Well | MCU P-17 Sec. 8-T41S-R25E | | | | | |
| Well Position | +N-S | 0.0 usft | Northing: | 241,776.90 usft | Latitude: | 37° 18' 18.690 N |
| | +E-W | 0.0 usft | Easting: | 2,710,621.61 usft | Longitude: | 109° 3' 23.700 W |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | | Ground Level: | 4,944.0 usft |

| | | | | | |
|-----------------|--------|--|--|--|--|
| Wellbore | STK #1 | | | | |
|-----------------|--------|--|--|--|--|

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| | IGRF2010 | 9/12/2012 | 10.35 | 63.67 | 50,767 |

| | | | | | |
|---------------|---------|--|--|--|--|
| Design | Plan #2 | | | | |
|---------------|---------|--|--|--|--|

| | | | | | |
|---------------------|---------------|------|----------------------|---------|--|
| Audit Notes: | | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 5,200.0 | |

| Vertical Section: | Depth From (TVD) (usft) | +N-S (usft) | +E-W (usft) | Direction (°) |
|-------------------|-------------------------|-------------|-------------|---------------|
| | 0.0 | 0.0 | 0.0 | 60.00 |

| 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 |
| 5,200.0 | 0.00 | 0.00 | 5,200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,410.0 | 18.90 | 60.00 | 5,406.2 | 17.2 | 29.7 | 9.00 | 9.00 | 28.57 | 60.00 | |
| 5,458.4 | 18.90 | 60.00 | 5,452.0 | 25.0 | 43.3 | 0.00 | 0.00 | 0.00 | 0.00 | DC-IIC Target |
| 5,563.0 | 18.90 | 60.00 | 5,551.0 | 41.9 | 72.7 | 0.00 | 0.00 | 0.00 | 0.00 | |



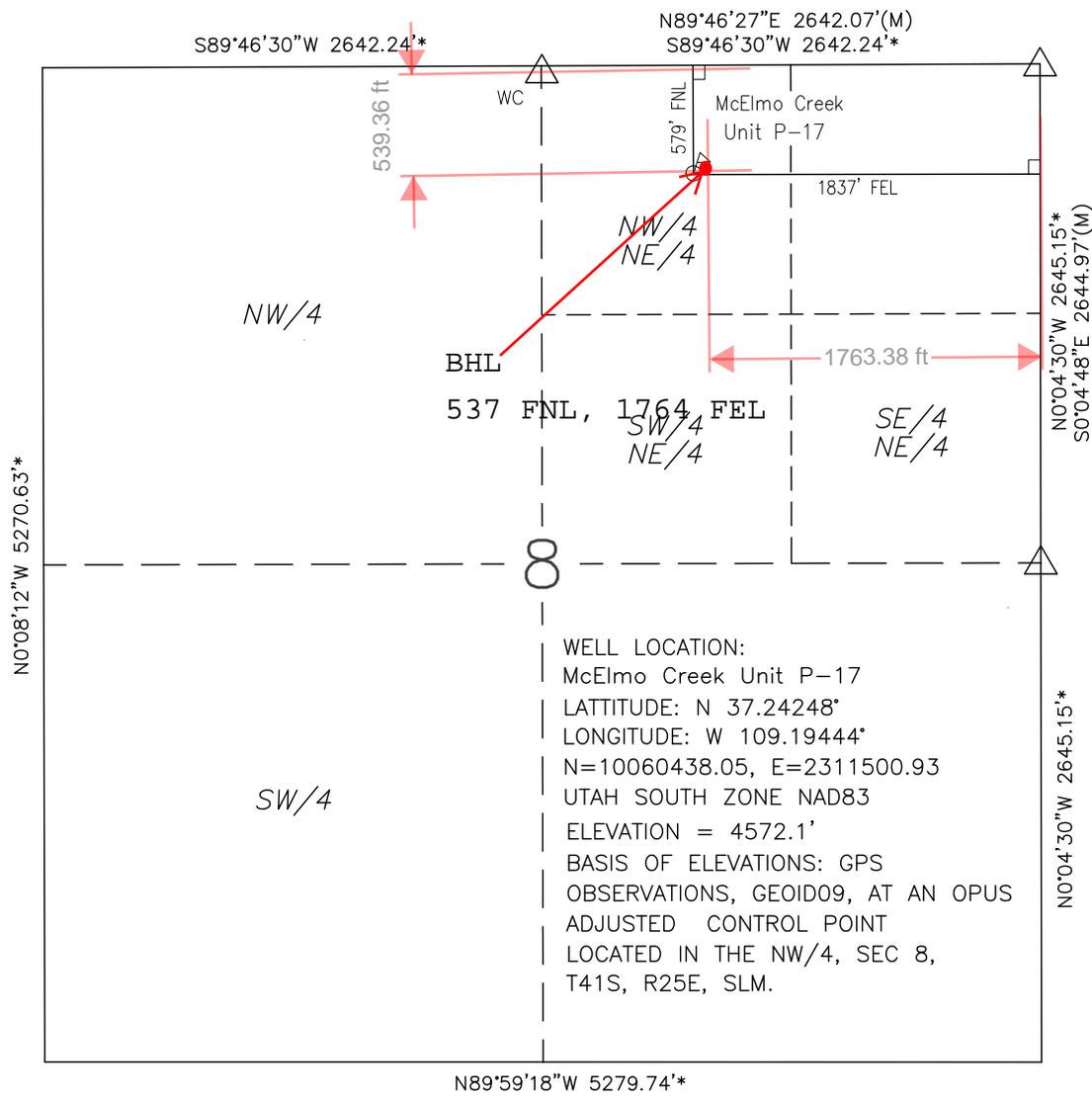
| | | | |
|------------------|-------------------------------|-------------------------------------|--|
| Database: | EDMDB | Local Co-ordinate Reference: | Well MCU P-17 Sec. 8-T41S-R25E |
| Company: | Resolute Natural Resources | TVD Reference: | WELL KBE @ 4953.0usft (Original Well Elev) |
| Project: | McELMO Creek Unit | MD Reference: | WELL KBE @ 4953.0usft (Original Well Elev) |
| Site: | MCU P-17 660' FNL & 1980' FEL | North Reference: | True |
| Well: | MCU P-17 Sec. 8-T41S-R25E | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | STK #1 | | |
| Design: | Plan #2 | | |

| 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 |
| 5,200.0 | 0.00 | 0.00 | 5,200.0 | -247.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | STK Pt =5200ftMD |
| 5,215.2 | 1.37 | 60.00 | 5,215.2 | -262.2 | 0.1 | 0.2 | 0.2 | 0.2 | 9.00 | 9.00 | 0.00 | |
| 5,313.6 | 10.22 | 60.00 | 5,313.0 | -360.0 | 5.1 | 8.8 | 10.1 | 10.1 | 9.00 | 9.00 | 0.00 | |
| 5,410.0 | 18.90 | 60.00 | 5,406.2 | -453.2 | 17.2 | 29.7 | 34.3 | 34.3 | 9.00 | 9.00 | 0.00 | End of Build |
| 5,412.0 | 18.90 | 60.00 | 5,408.1 | -455.1 | 17.5 | 30.3 | 35.0 | 35.0 | 0.00 | 0.00 | 0.00 | |
| 5,458.4 | 18.90 | 60.00 | 5,452.0 | -499.0 | 25.0 | 43.3 | 50.0 | 50.0 | 0.00 | 0.00 | 0.00 | DC-IIC Target |
| 5,510.4 | 18.90 | 60.00 | 5,501.2 | -548.2 | 33.4 | 57.9 | 66.8 | 66.8 | 0.00 | 0.00 | 0.00 | |
| 5,563.0 | 18.90 | 60.00 | 5,551.0 | -598.0 | 41.9 | 72.6 | 83.9 | 83.9 | 0.00 | 0.00 | 0.00 | TD=5563ftMD |

| Design Targets | | | | | | | | | | |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------------|------------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| DC-IIC Target - hit/miss target - Shape - plan hits target center - Point | 0.00 | 0.00 | 5,452.0 | 25.0 | 43.3 | 241,803.02 | 2,710,664.24 | 37° 18' 18.937 N | 109° 3' 23.164 W | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment | |
| | | +N/-S (usft) | +E/-W (usft) | | |
| 5,200.0 | 5,200.0 | 0.0 | 0.0 | STK Pt =5200ftMD | |
| 5,410.0 | 5,406.2 | 17.2 | 29.7 | End of Build | |
| 5,563.0 | 5,551.0 | 41.9 | 72.6 | TD=5563ftMD | |

Well Location - McElmo Creek Unit P-17



BASIS OF BEARINGS
GPS TRUE NORTH

1" = 1000'
GROUND

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

WELL LOCATION:
 McElmo Creek Unit P-17
 LATITUDE: N 37.24248°
 LONGITUDE: W 109.19444°
 N=10060438.05, E=2311500.93
 UTAH SOUTH ZONE NAD83
 ELEVATION = 4572.1'
 BASIS OF ELEVATIONS: GPS
 OBSERVATIONS, GEOID09, AT AN OPUS
 ADJUSTED CONTROL POINT
 LOCATED IN THE NW/4, SEC 8,
 T41S, R25E, SLM.

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

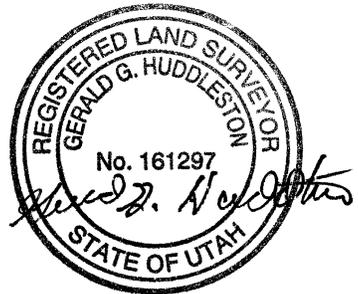


EXHIBIT A

| | | | | | |
|---|----------|-----------|--------------------------------------|----------------|--|
| FOOTAGE | 579' FNL | 1837' FEL | RESOLUTE NATURAL RESOURCES | | |
| SEC 8, T41S, R25E, SLM, SAN JUAN COUNTY, UT | | | | | |
| LAT: N 37.24248° LON: W 109.19444° (NAD83) | | | SURVEYED: 08/27/12 | | |
| ELEVATION: 4572.1' at ground level (NAVD88) | | | DRAWN BY: GEL | DATE: 09/08/12 | |
| NOTE: Re-entry of existing well. | | | REVISION: | | |

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

McELMO CREEK UNIT # P-17

INJECTOR

GREATER ANETH FIELD

579' FNL & 1837' FEL

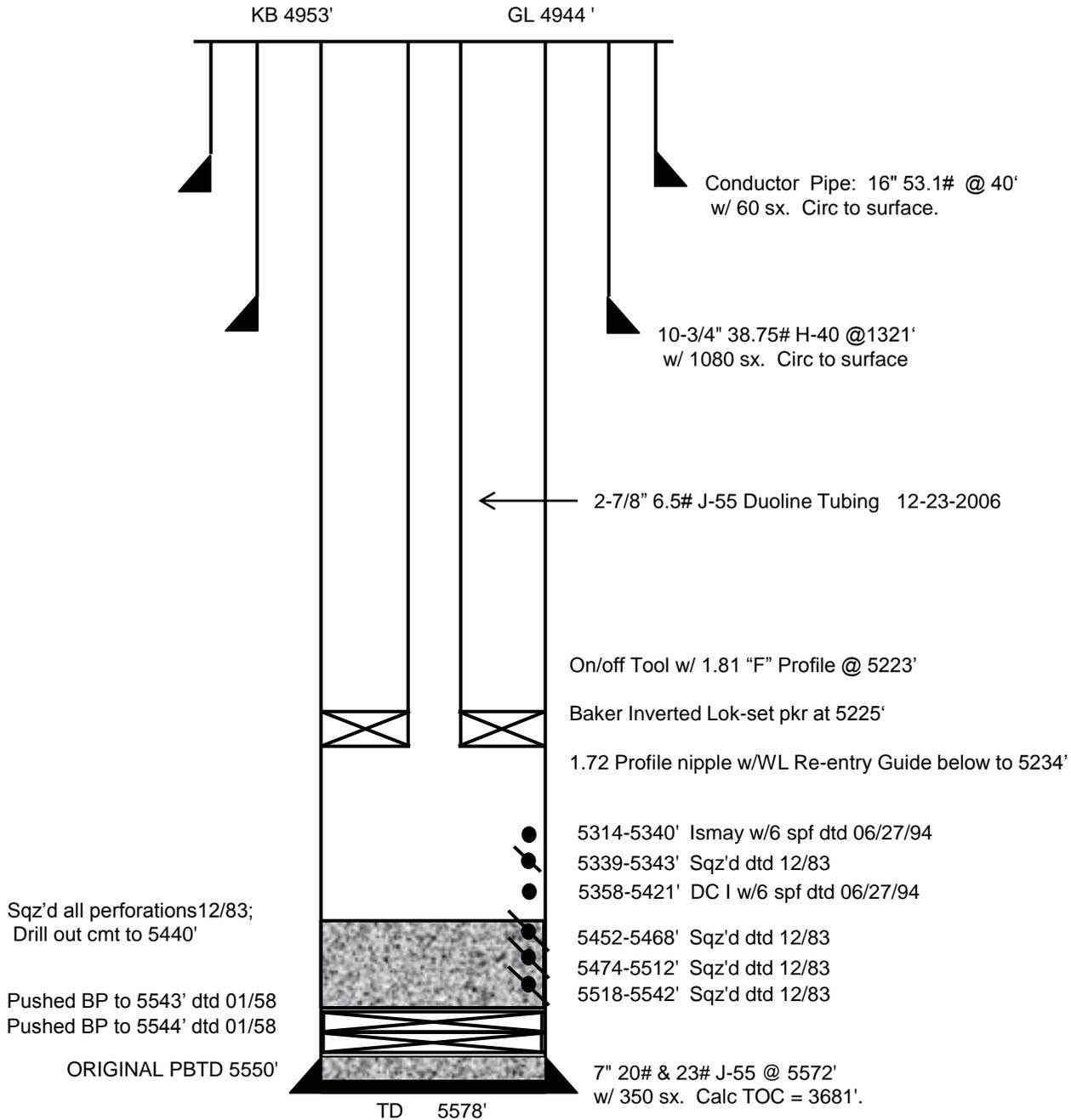
SEC 8-T41S-R25E

SAN JUAN COUNTY, UTAH

API 43-037-15519

PRISM 0000363

Attachment 1: Existing Wellbore



McELMO CREEK UNIT # P-17

GREATER ANETH FIELD

579' FNL & 1837' FEL

SEC 8-T41S-R25E

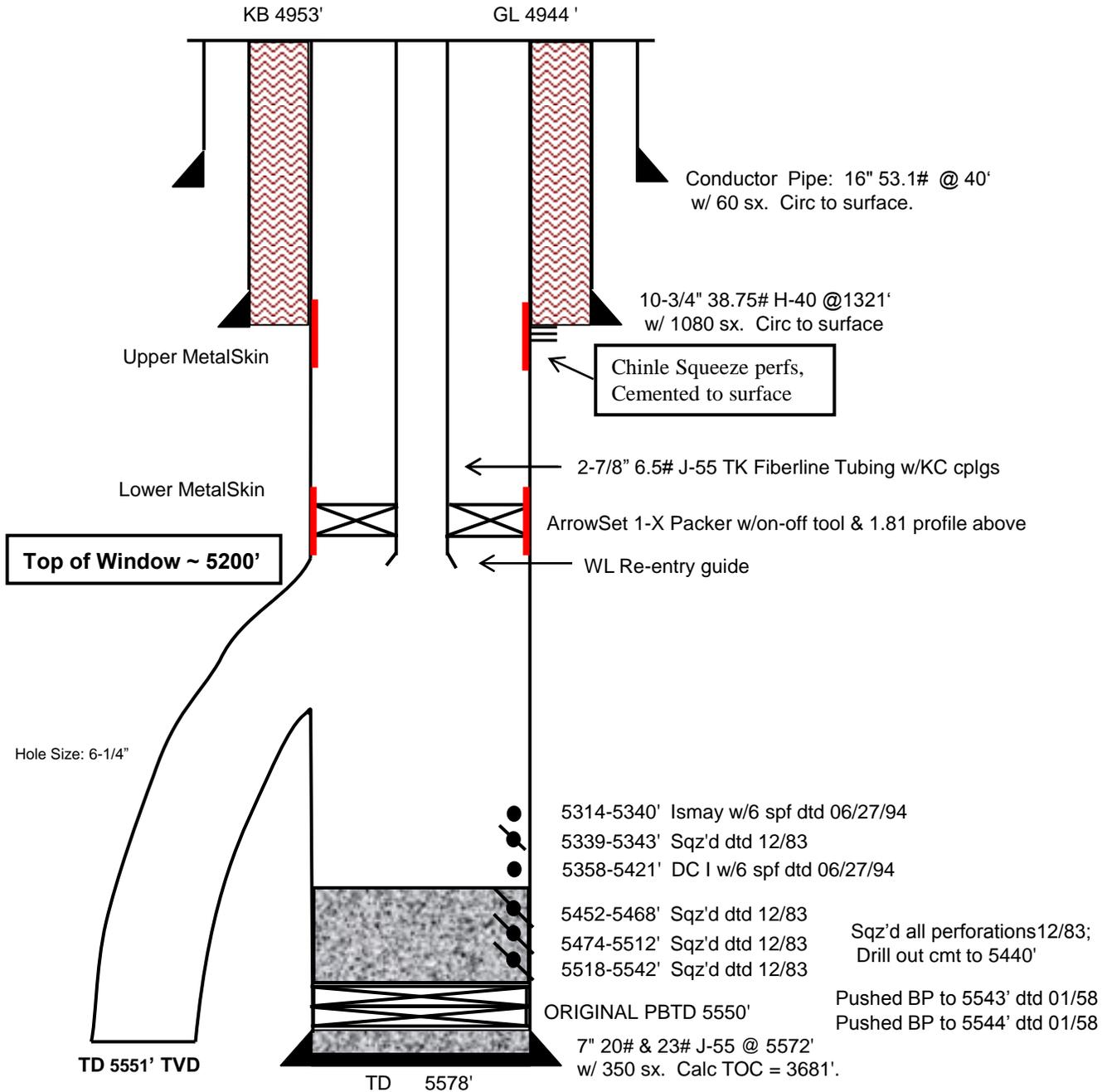
SAN JUAN COUNTY, UTAH

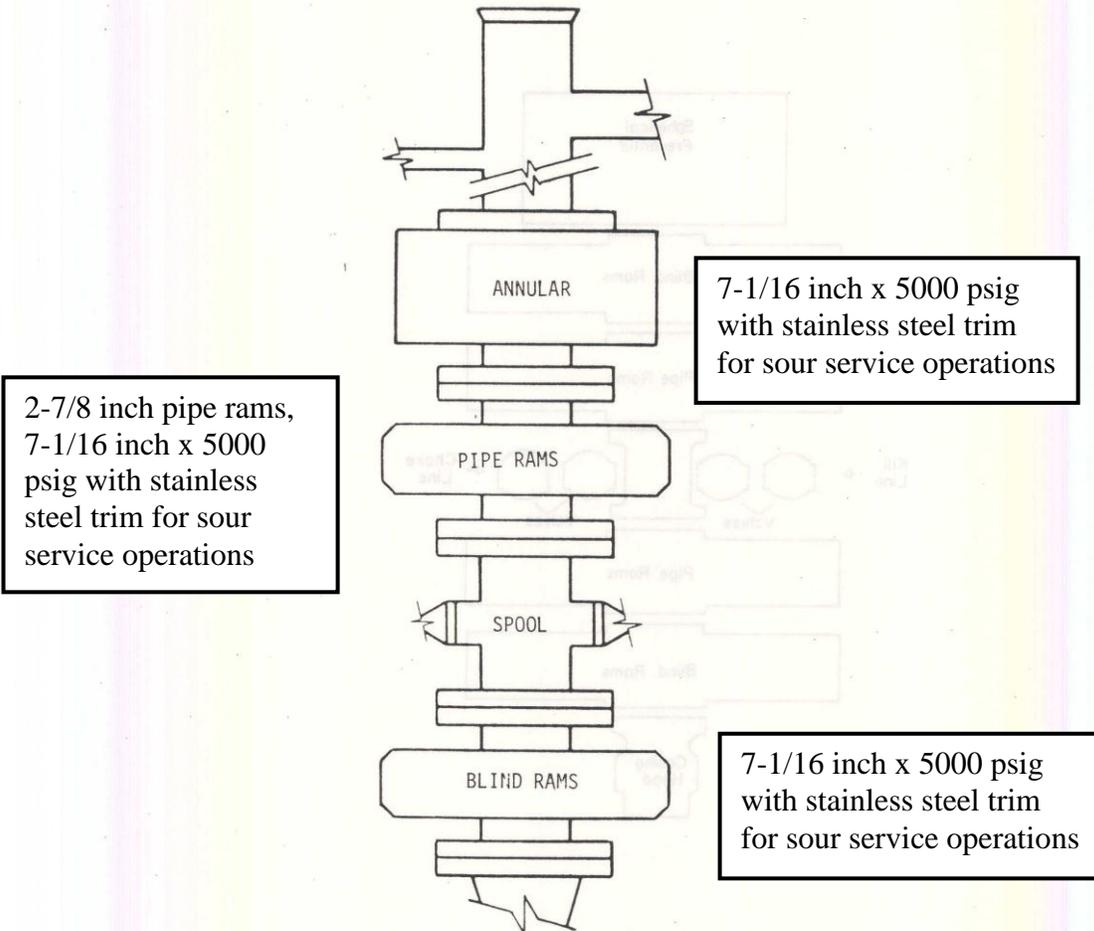
API 43-037-15519

PRISM 0000363

INJECTOR

**Attachment 2:
Proposed Wellbore
Sidetracked to DC-IIC,
Open Hole Completion**

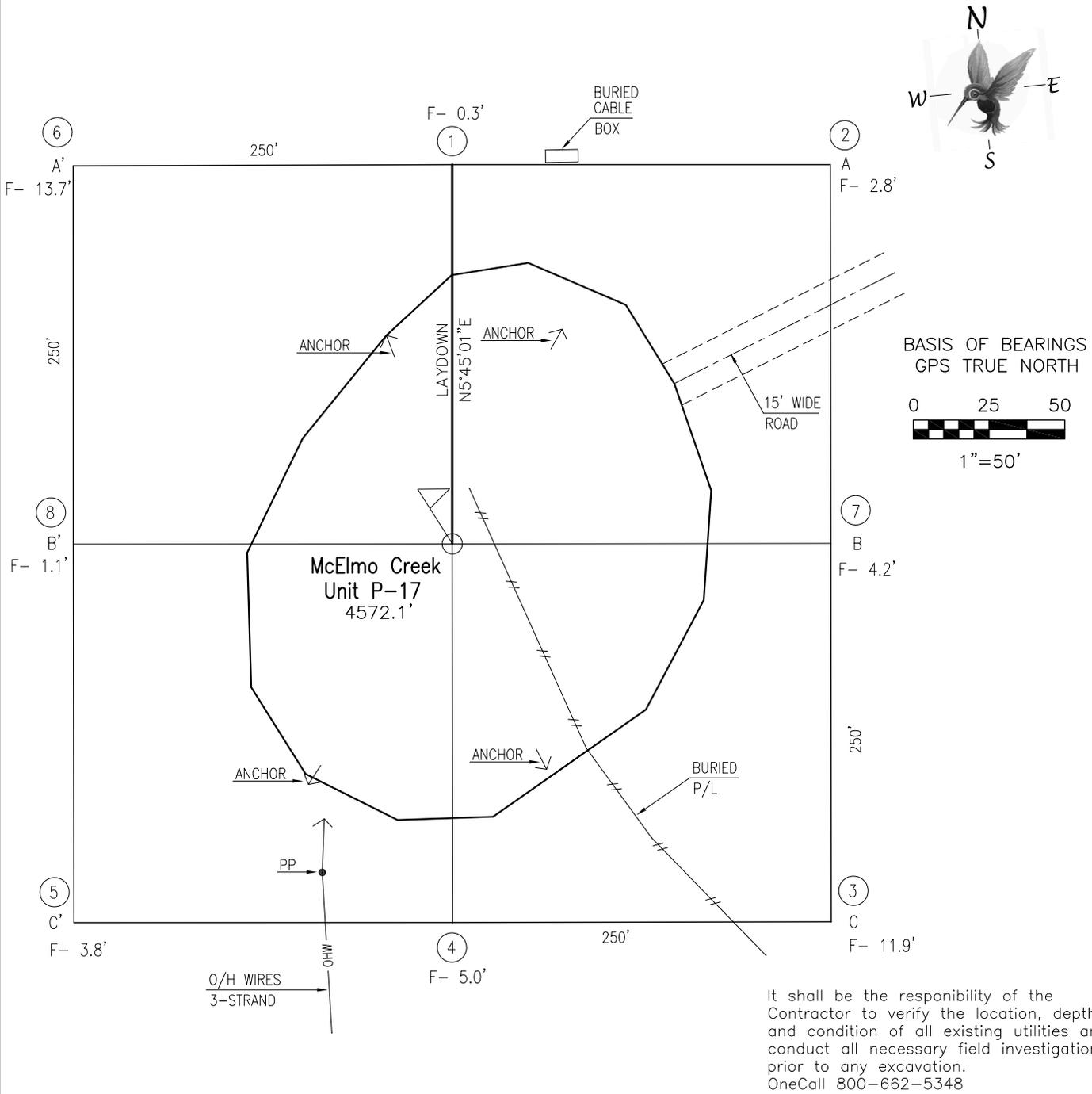




TYPICAL WORKOVER BOP STACK

Figure 30

Well Pad - McElmo Creek Unit P-17



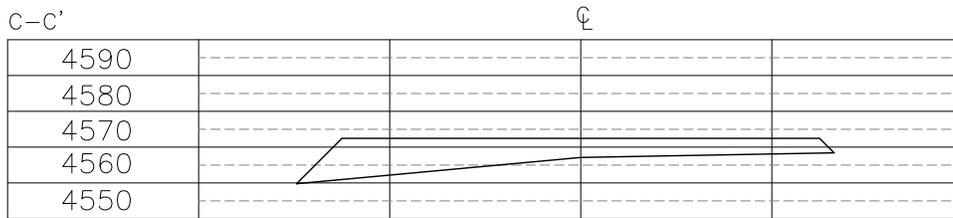
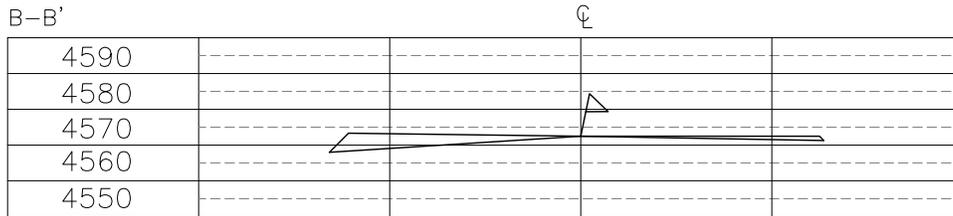
It shall be the responsibility of the Contractor to verify the location, depth and condition of all existing utilities and conduct all necessary field investigations prior to any excavation.
OneCall 800-662-5348

EXHIBIT B

| | | | |
|---|--------------------------------------|----------------|--|
| FOOTAGE 579' FNL 1837' FEL | RESOLUTE NATURAL RESOURCES | | |
| SEC 8, T41S, R25E, SLM, SAN JUAN COUNTY, UT | | | |
| LAT: N 37.24248° LON: W 109.19444° (NAD83) | SURVEYED: 08/27/12 | | |
| ELEVATION: 4572.1' at ground level (NAVD88) | DRAWN BY: GEL | DATE: 09/08/12 | |
| 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 P-17



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

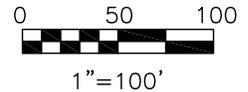
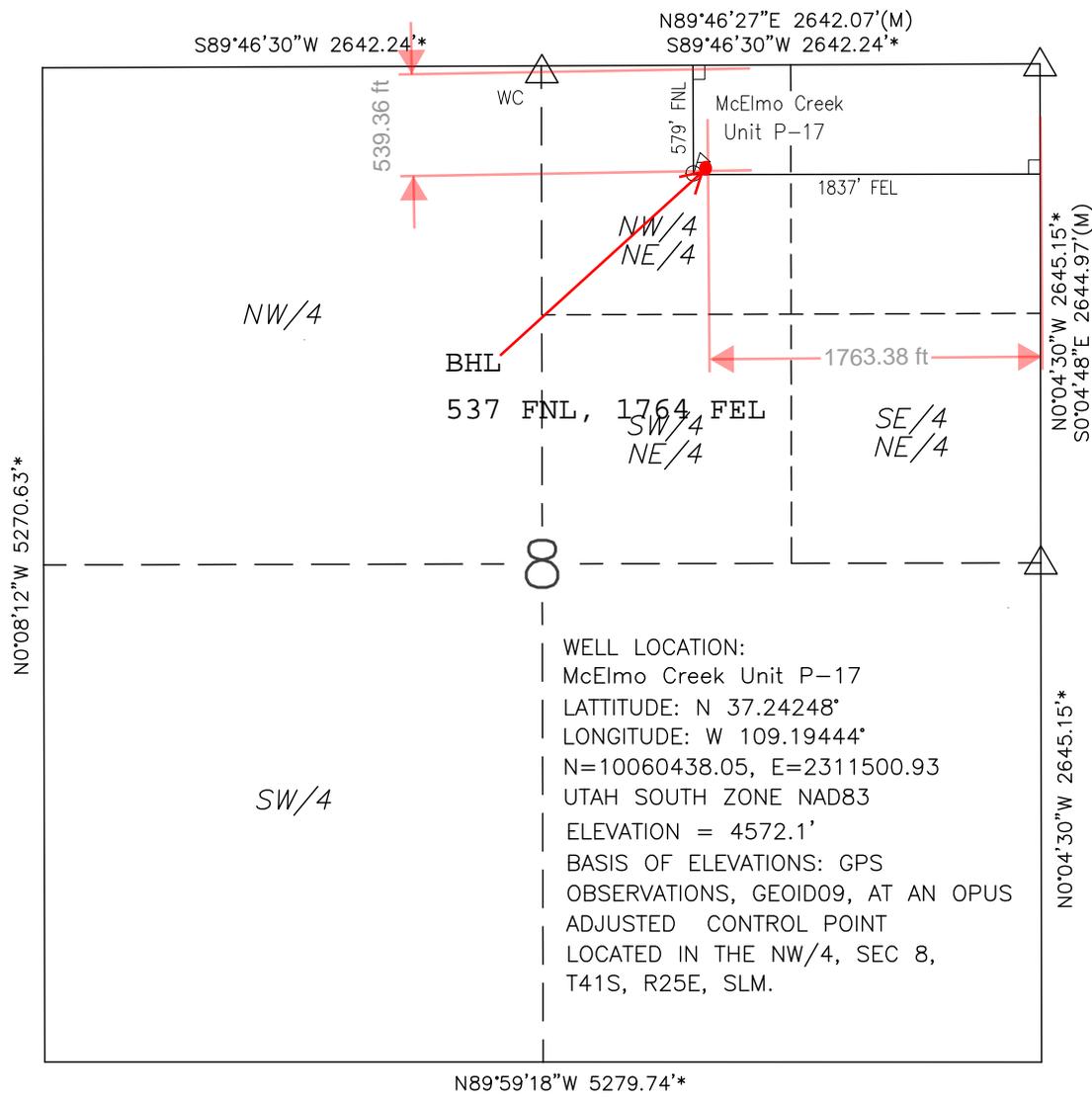


EXHIBIT C

| | | | |
|---|--------------------------------------|----------------|-------|
| FOOTAGE 579' FNL 1837' FEL | RESOLUTE NATURAL RESOURCES | | |
| SEC 8, T41S, R25E, SLM, SAN JUAN COUNTY, UT | | | |
| LAT: N 37.24248° LON: W 109.19444° (NAD83) | SURVEYED: 08/27/12 | | |
| ELEVATION: 4572.1' at ground level (NAVD88) | DRAWN BY: GEL | DATE: 09/08/12 | FILE: |
| NOTE: Re-entry of existing well. | REVISION: | | |

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

Well Location - McElmo Creek Unit P-17



- LEGEND:**
- FND USBLM 3-1/4" BC DATED 2004
 - 90° TIE
 - MEASURED
 - RECORD
 - WELL LOCATION

WELL LOCATION:
 McElmo Creek Unit P-17
 LATITUDE: N 37.24248°
 LONGITUDE: W 109.19444°
 N=10060438.05, E=2311500.93
 UTAH SOUTH ZONE NAD83
 ELEVATION = 4572.1'
 BASIS OF ELEVATIONS: GPS
 OBSERVATIONS, GEOID09, AT AN OPUS
 ADJUSTED CONTROL POINT
 LOCATED IN THE NW/4, SEC 8,
 T41S, R25E, SLM.

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

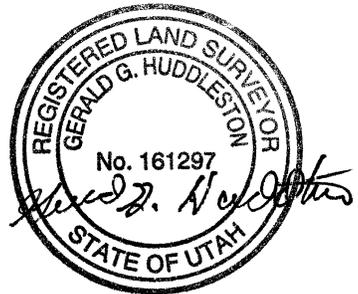
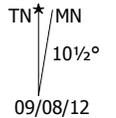
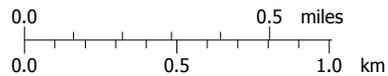
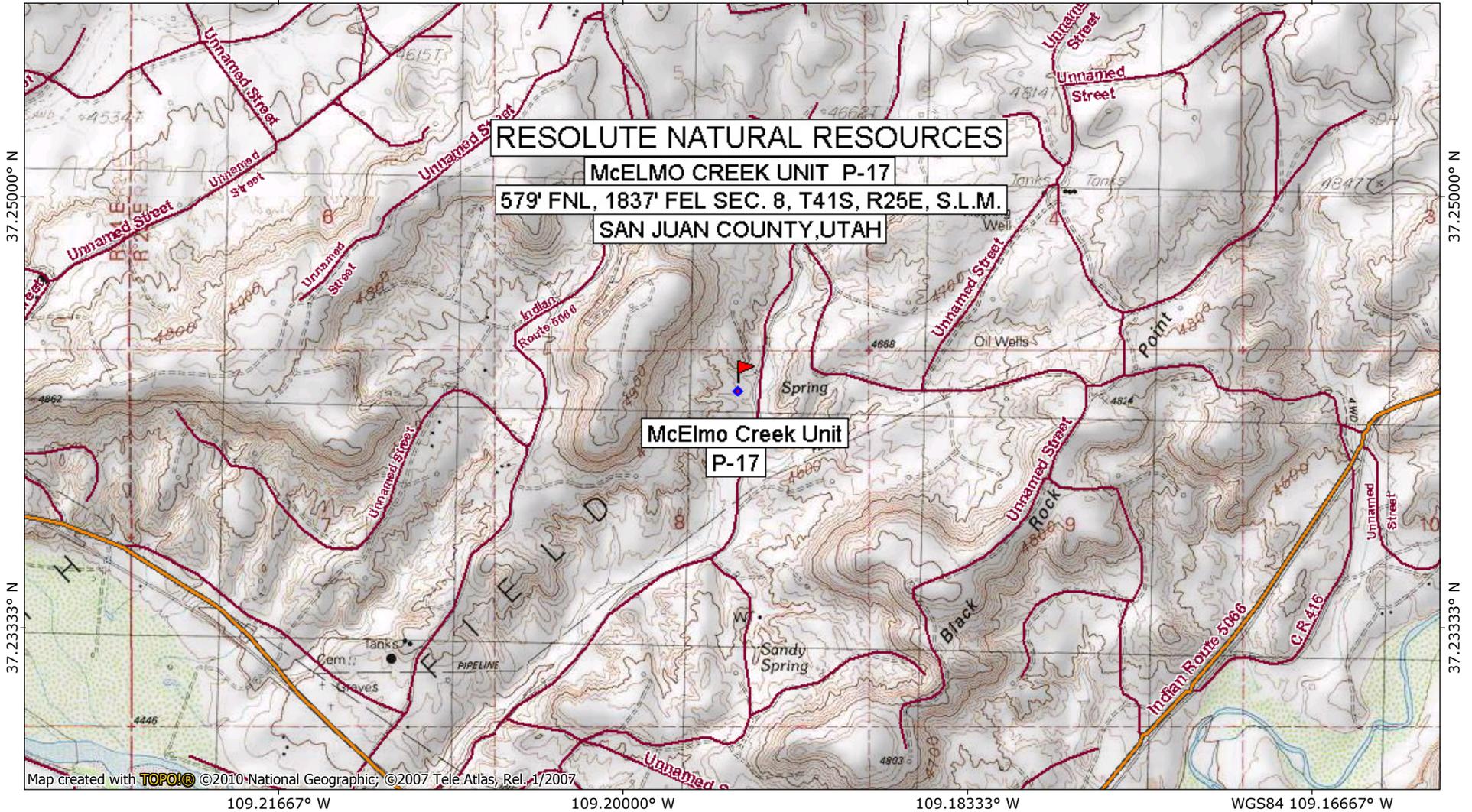


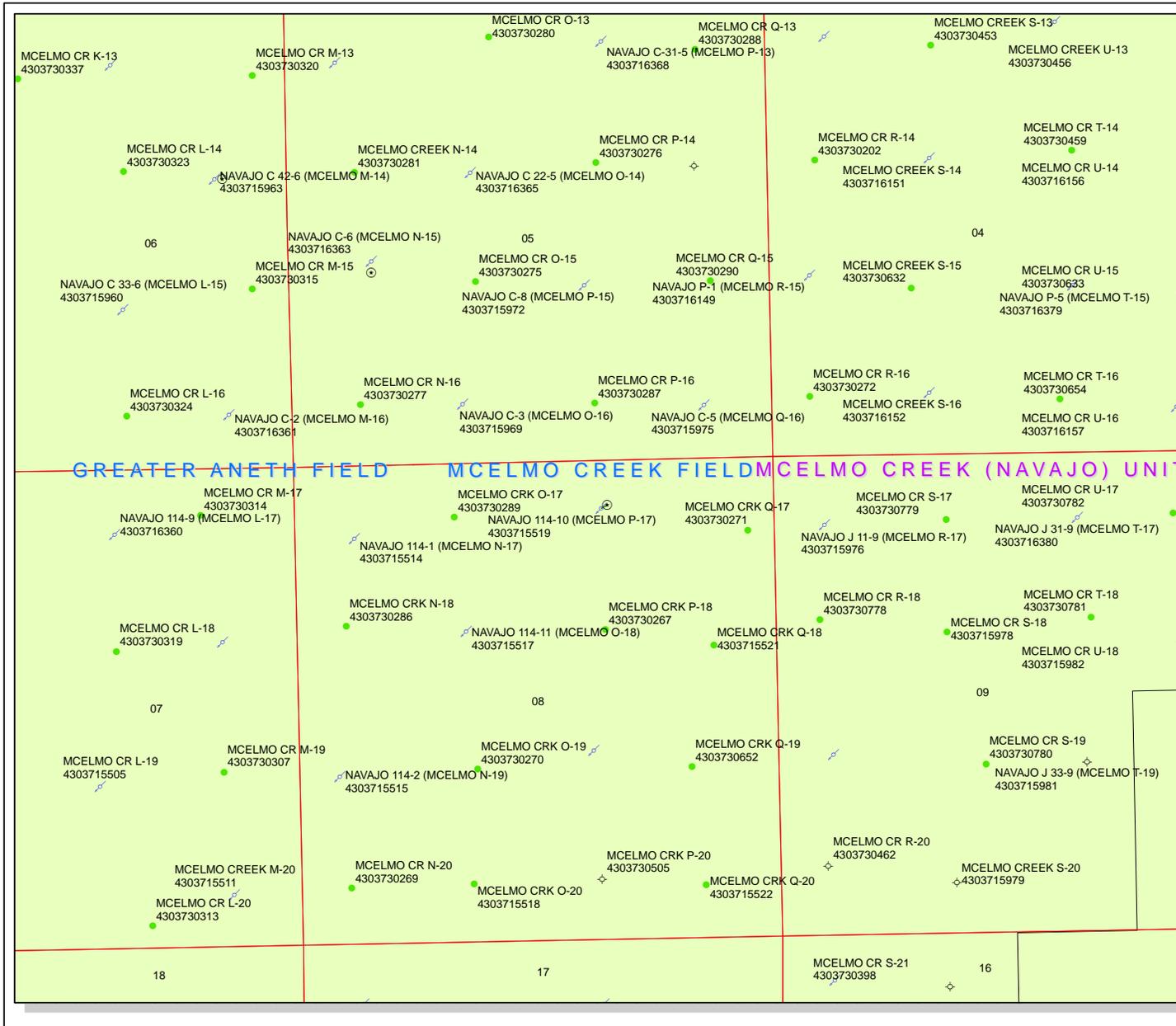
EXHIBIT A

| | | | | | |
|---|---------------------------|-----------|--------------------------------------|----------------|--|
| FOOTAGE | 579' FNL | 1837' FEL | RESOLUTE NATURAL RESOURCES | | |
| SEC 8, T41S, R25E, SLM, SAN JUAN COUNTY, UT | | | | | |
| LAT: N 37.24248° | LON: W 109.19444° (NAD83) | | SURVEYED: 08/27/12 | | |
| ELEVATION: 4572.1' at ground level (NAVD88) | | | DRAWN BY: GEL | DATE: 09/08/12 | |
| NOTE: Re-entry of existing well. | | | REVISION: | | |

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

37.24227° N, 109.19470° W WGS84
109.21667° W 109.20000° W 109.18333° W WGS84 109.16667° W

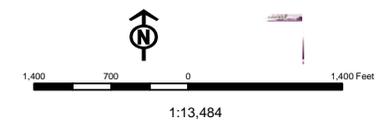




API Number: 4303715519
Well Name: NAVAJO 114-10 (MCELMO P-17)
Township T41.0S Range R25.0E Section 08
Meridian: SLBM
Operator: RESOLUTE NATURAL RESOURCES

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 | PGW - 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/Br |
| STORAGE | |
| TERMINATED | |



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/14/2012

API NO. ASSIGNED: 43037155190000

WELL NAME: NAVAJO 114-10 (MCELMO P-17)

OPERATOR: RESOLUTE NATURAL RESOURCES (N2700)

PHONE NUMBER: 303 573-4886

CONTACT: Sherry Glass

PROPOSED LOCATION: NWN 08 410S 250E

Permit Tech Review:

SURFACE: 0579 FNL 1837 FEL

Engineering Review:

BOTTOM: 0537 FNL 1764 FEL

Geology Review:

COUNTY: SAN JUAN

LATITUDE: 37.24262

LONGITUDE: -109.19466

UTM SURF EASTINGS: 660127.00

NORTHINGS: 4123315.00

FIELD NAME: GREATER ANETH

LEASE TYPE: 2 - Indian

LEASE NUMBER: 1420603263

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:701027 FR P0098:831227 COMM WIW:860424 FR N0920:950803 FR MEPNA:020417 FR N7370 6/01:OP
FR N1855:

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



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: NAVAJO 114-10 (MCELMO P-17)
API Well Number: 43037155190000
Lease Number: 1420603263
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, illegible stamp or background.

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: 1420603263 |
| 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 114-10 (MCELMO P-17) |
| 1. TYPE OF WELL Water Injection Well | 9. API NUMBER: 43037155190000 | |
| 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: 0579 FNL 1837 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 08 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 the MCU P-17 on 11-15-12. A completion report will be submitted when the well is put back to production. Daily drilling report is attached. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY November 29, 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 P17

| | | | | | | | |
|-----------------------------------|------------------------------|----------------------------------|--------------------------------|---|-----------------------|------------------------|-----------------------------|
| API Number 43037155190000 | Section 8 | Township 41S | Range 25E | Field Name McElmo Creek | County San Juan | State/Province Utah | Wellbore Config Vertical |
| Ground Elevation (ft) 4,571.00 | Casing Flange Elevation (ft) | KB-Ground Distance (ft) 11.00 | KB-Casing Flange Distance (ft) | Well Spud Date/Time 10/19/1957 00:00 | Rig Release Date/Time | | |

| | | | |
|-------------------------------------|----------------------------------|------------------------|-------------------------------|
| Job Category Completion/Workover | Primary Job Type Recompletion | Secondary Job Type | Working Interest (%) 71.25 |
| Start Date 9/17/2012 | End Date | AFE Number 10012764 | |

Objective
Job scope: Retrieve existing tubing and packer, sidetrack out of the existing 7" casing at ~5200' and drill to a projected depth of 5551' TVD (~3' 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 Four Corners Well Service | Rig Number 5 | Rig Type | Rig Start Date 11/5/2012 | Rig Release Date |
|---|-----------------|----------|-----------------------------|------------------|

| Report Number | Start Date | End Date | Summary |
|---------------|------------|-----------|---|
| 1 | 8/30/2012 | | Bleed down water side of injection well, empty frac tank @ P15 |
| 2 | 9/11/2012 | | Dismantle Skid fr/P17, Set aside vlvs |
| 3 | 9/12/2012 | | Breakup Concrete on loc. |
| 4 | 9/14/2012 | | Hauling in fill & mixing with blade. Loc was sandy inside anchors. Extended loc to accomodate 24 hr rig. Will haul approx. 12 more loads 9-25-12 |
| 5 | 9/17/2012 | | Break out cmt pad & Haul off broken up cmt. |
| 6 | 9/18/2012 | | Break off concrete, haul off. |
| 7 | 9/20/2012 | 9/20/2012 | Re-test 4 anchors to 25K, test okay, installed 4 anchor tags |
| 8 | 9/24/2012 | | Haul dirt & compact loc. |
| 9 | 9/25/2012 | | Load & haul dirt to loc. |
| 10 | 11/5/2012 | 11/6/2012 | On the MCU P-17, capital expence, injector, Four Corner well service Rig #5, had spotted in rig ramp, spot rig on ramp, started to move in equipment, on the MCU C-15, operation were stopped, didnot have all approvals for work, Call Wilson, will reroute to MCU P-17, went an check MCU P-17, location ready, anchors tested, start moving equipment to location, spotted in rig ramp, rig, mud system, generator, one flow back tnk, 3 pipe trailers, rig pump, gas buster, will cont to move in rest of equipment in am. 01800 crew change, hjsa w/crew, talk about rigging up equipment, pinch points an caught between, were dicussed, ru generator, lights, trailers, maintance rig an equipment. |
| 11 | 11/6/2012 | 11/7/2012 | On the MCU P-17, injector, capital expence, Four Corners Well Service Rig #5, 0600, crew change, hjsa w/crew, talk about job task, rigging up equipment, pinch points, taglines were dicussed. waiting on hydraulic hose to raise derrick, waiting on flow back tank c/o, dawn trucking delievering equipment, rig up as brought in, fix hydraulic hose an replace liners in rig pump. scope up derrick, tie down to deadman, haul out rig pump, spot in tbg trailer, haul in one load prod. water. spot in rig pit, ru to choke manifold, crew change 01800, hjsa w/crew, talk about job task, flow back well, co2, h2s, wind direction were dicussed, sitp 2150#, sicp 65#, open tbg to rig pit, flow back for one hour, pressure down to 500#,co2, si tbg for one hour, pressure up to 1050#, miru slick line, rih with 1.80" gauge ring, tag up 5212', pooh gauge ring, make up an rih w/ 1.81" plug, tag an set plug @5212', ru rig pump, pressure up to 1500#, shear off of plug, pooh with setting tool, blow down pressure, no flow from tbg, rd slick line, move out, rdwh, ru bop stack,ru floor ,ladders,gaurds,tongs, ru 6" line from HRC valve to choke manifold, ru 6" line from bop to gas buster, pu one joint 2 7/8" eue tbg, screw into hanger, close pipe rams pressure test pipe rams an hydril to 1000#, on high side, 250# on low,good test, bd, set in hydraulic cat walk, pipe racks. |
| 12 | 11/7/2012 | 11/8/2012 | On the MCU P-17, injector, capital expence, Four Corners Well Service Rig #5, 0600 crew change. hjsa w/crew, talk about job task, pooh with 2 7/8" duroline tbg, lay down., talk about pinch points, h2s, spotter. J off of on / off tool, pooh an lay down landing joint, tbg hanger, one joint 2 7/8" duroline tbg, stainless steel nipple, 3-2 7/8" duroline tbg. subs, 159 joints 2 7/8" duroline tbg. lay down on pipe racks, move to tbg trailer sent to Aneth pipe yard. move over 77 joints 2 7/8" AOH DP. to pipe racks, tally, pu an rih on/off tool, 4'- 2 7/8" perf tbg sub, x/o, 77 joints of 2 7/8" AOH dp, on/off tool to 2500', 01800, crew change, hjsa w/crew, talk about job task, pu, rih 2 7/8" DP, pinch points, hand placement, h2s were decussed, move over 74 more joints 2 7/8" AOH DP, tally pu an rih 74 joints, on/off tool to 4764', move over 19 more joints, tally rih with 14 joints to 5206', ru swivel, change out stripping rubber, ru flow back line to flow back tank. pu joint #166, rih tag up @5225', latch on/off tool. 13# mud delivered to location, ru rig pump, displace annular volume of well with 13# mud, 198 bbls, start working dp an swivel to release baker inverted lok set, release packer, shut well in, one hour, monitor pressure,0#, open well, rd swivel. crew change 0600. |



Daily Well Report

Well Name: Mcelmo Cr P17

| | | | | | | | |
|-----------------------------------|------------------------------|-----------------|----------------------------------|--------------------------------|---|------------------------|-----------------------------|
| API Number 43037155190000 | Section 8 | Township 41S | Range 25E | Field Name McElmo Creek | County San Juan | State/Province Utah | Wellbore Config Vertical |
| Ground Elevation (ft) 4,571.00 | Casing Flange Elevation (ft) | | KB-Ground Distance (ft) 11.00 | KB-Casing Flange Distance (ft) | Well Spud Date/Time 10/19/1957 00:00 | Rig Release Date/Time | |

| Report Number | Start Date | End Date | Summary |
|---------------|------------|------------|---|
| 13 | 11/8/2012 | 11/9/2012 | On the MCU P-17, injector, capital expences, Four Corner Well Service Rig #5, 0600, crew change , hjsa w/crew, talk about job task, pooh w/drill pipe an packer, pinch points, 100% tie off were discussed, pooh w/ 166 joints of 2 7/8" AOH drill pipe, x/o, on/off tool, baker inverted lok set packer, lay down packer, stand back drill pipe, load hole every 20 stands of drill pipe. lunch, rih w/ 6 1/4" bit, bit sub, 5 joints 2 7/8" AOH drill pipe, 7" csg scraper, 166 joints 2 7/8" AOH drill pipe, scraper to 5300', bit to 5440', ru rig pump, cir well clean, spot in flow back tank, shut down rig pump, pooh with 15 stands of drill pipe, 01800 crew change, hjsa w/crew, talk about job task pooh with drill pipe, keep well full every 20 stands, pinch points were dicussed, pooh with 63 stands of drill pipe, 7" scraper, 5 joints 2 7/8" drill pipe AOH, bit sub, bit, miru wireline, ru lubricator, ru shives, pu an rih with RADII Sector Cement Bond Logging tool, run cbl from 5300' to 1000', toc 4100', good cement @5200', pooh logging tool, pu , rih with MTT/40 arm Caliper Casing Inspection logging tool , run log from 5300' to surface, good csg @5200', pooh with tool pu an rih CIBP for 7" csg, set at 5210', 14 ' below collar, pooh with setting tool, rd wireline, shut blind rams, ru rig pump to csg, pressure csg up to 600#, test csg an CIBP for 30 mins, okay , bd. rih with 13 stands of 2 7/8" AOH dp, pooh an lay down 26 joints on pipe racks, move over one joint 3.5" dp, 20 joints 2 7/8" hwy swiral dp, tally. pu 3.5 dp, made up mills, whipstock , ubho sub , x/o, rih 0600 crew change |
| 14 | 11/9/2012 | 11/10/2012 | On the MCU P-17, injector, capital expences, Four Corners Well Service Rig 5, 0600 crew change, hjsa w/crew, talk about job task,rih with whip stock, pinch points , hand placement were decussed, rih with 20 joints 2 7/8" spril heavy wt dp an 144 joints 2 7/8" AOH dp, to 5200' , pu an ru swivel, pu joint 165 with gyro, miru wireline, rih with gyro, test on way in, set tool in ubho sub, set whipstock at 59.26 degrees, pooh with gyro, rd wireline. displace mud 250 bbls, with 250 bbls of prod. water, while displacing fluids , had some fluids spitting out of braiden head, Call Wilson, said to monitor during job an report , haul 200 bbls prod water to pit,01800, crew change, hjsa w/ crew, talk about job task start milling out window, watch press on pump, hearing protection an weather conditions were decussed, whip stock to 5207', est cir start milling window, mill from 5206' to 5209', 0600 crew change, |
| 15 | 11/10/2012 | 11/11/2012 | Daily report on MCU P #17 capital injector. Four Corners Well Service rig #5, Crew change, JSA & job topic-Milling window, TOO H w/mills. Pinch points, proper tong operations using back up to prevent slip cuts. Muddy location- slips & trips. Continue to mill on rat hole & dress window f/5209' to 5211' (6' rat hole). LD single jnt w/swivel. Repair leaking high pressure nipple on swivel & RD. LD 2nd single jnt & TOO H 71 stds DP & 10 stds HWDP to surface & LD mills. Starter mill 1/4" out of gauge, window mill in gauge. Move & tally moter & monels to racks. MU 6 1/4" STX-30 DX, bit, S/N 5204611 on 1.83 deg 5" motor. RD power tongs, RU manuel tongs. PU 1st 4 3/4" monel, UBHO sub & MU. Insert MWD tool. & MU 2nd monel & scribe. Crew change @ 1800 hrs. JSA & job topic-TIH w/directional BHA, proper torque's, cold weather, teamwork & ck motor & MWD on TIH. TIH 10 std HWDP & 1 std DP to 768'. Test motor-good. Continue to 3292' & test MWD-good, continue to 5185'. RU power swivel, RU WL, RU 2nd rig pump & load gyro tool into jnt #143. RIH w/WL & seat gyro. Tag 5205' (bottom of window) Est circulation 4.7 bbls/min. Problem w/#2 pump-drain plug on suction manifold washed out. Est circulation pump #1 w/3.8 bbl/min. Thaw control f/brake on power swivel. Work thru window & tag @ 5211'. Slide drill to 5214'. Swivel control froze again, put heat pad on it & thaw. Slide drill f/5214' to 5217'. ROH w/WL & gyro. Make Connection #144, RIH w/WL gyro. Slide drill f/5217' to 5220'. Having trouble keeping tool face in right direction. Crew change @ 0600 hrs. |
| 16 | 11/11/2012 | 11/12/2012 | Daily report on MCU P #17 capital injector well. Four Corners Well Service rig #5. Crew change, JSA & job topic-drilling OH out f/window. Monitor pumps & pit levels and housekeeping. Continue trying to drill outside window at 5220' attempting to maintain 60 deg tool face. Tagging up on something hard and knocking tool face around from 20 to 120 deg. Pull up thru window-no drag. Work back in to 5217' & tag up again. Increase WOB and get by. Slide drill to 5248'. Good returns of fine clay & trace of shale. ROH w/WL & gyro tool LD & RD Blue Jet WL. Release Gyrodate &Blue Jet. MU jnt #145 establish circulation 3.8 bbl/min @ 1700 psi, WOB 20 TO 25K. Drill to 5262'. Had fluid loss of 60 bbls in 3 hr period, increase ROP of 7 ft/hr.Crew change at 1800 hrs, JSA & job topic-drilling, making connections, watch pumps & pit levels. Pinch points, possible gas kicks on location. PU off bottom & shut down #1 pump at 1830 hrs-liner caps loose, swabs leaking by. Make repairs. Start small pump #2 and circulate will repairing #1 pump. Establish circulation again-same & continue to slide & rotate drill f/5262' to 5343'. Had noticeable ROP increase. Had gas kick at 5343'. Shut well in. SICP @ 600#, line up on choke manifold & tried to circulate kick out f/0300 hrs to 0600 hrs w/8.4 ppg fluid w/no luck. Well continued to flow. Crew change at 0600 hrs. |



Daily Well Report

Well Name: Mcelmo Cr P17

| | | | | | | | |
|-----------------------------------|------------------------------|----------------------------------|--------------------------------|---|-----------------------|------------------------|-----------------------------|
| API Number 43037155190000 | Section 8 | Township 41S | Range 25E | Field Name McElmo Creek | County San Juan | State/Province Utah | Wellbore Config Vertical |
| Ground Elevation (ft) 4,571.00 | Casing Flange Elevation (ft) | KB-Ground Distance (ft) 11.00 | KB-Casing Flange Distance (ft) | Well Spud Date/Time 10/19/1957 00:00 | Rig Release Date/Time | | |

| Report Number | Start Date | End Date | Summary |
|---------------|------------|------------|---|
| 17 | 11/12/2012 | 11/13/2012 | Daily report on MCU P #17 capital injector. Four Corners Well Service rig #5. Crew change JSA & job topic-well flowing, LD single jnts to get back into CSG, SI & monitor f/new KWF. Pinch points, high pressures and possible gas on location-gas monitors and observe wind direction. LD 1 single w/swivel. RD power swivel & LD 4 more singles to 5185' and Shut well in. Monitor pressure to establish new KWF. Transfer 8.4 ppg fluid from CL system to FB tanks. Called Terence at plant to inform. Call out for vac trucks to haul fluids. SICIP @ 500#. Order 400 bbls 10# brine and haul into CL system. Wait for delivery. Displace wellbore w/200 bbls 10# brine and continue to circulate gas out during break to eat. Well killed. PU 5 single jnts & tag fill @ 5330' (13' of fill). Establish circulation and started cleaning out. Well kicked again line up on choke manifold & circulate gas out. Returning 9.8 ppg gas cut fluid. Crew change @ 1800 hrs, JSA & job topic-drilling, making connections, watch pit levels f/gains & losses. Possible gas on location. Pinch points, observe gas detectors & wind directions. Establish circulation 3.8 bbls/min @ 1500#. Rotate & clean out f/5330' to 5343'. Make connection and start slide f/5343' to 5358', rotate f/5358' to 5375' and rotate f/5375' to 5440' TVD, Crew change @ 0600 hrs |
| 18 | 11/13/2012 | 11/14/2012 | Daily report on MCU P #17 capital injector. Four Corner Well Service rig #5. Crew change JSA & job topic-TOOH to LD directional BHA, pinch points, caught in between, derrick man 100% tied off and fill wellbore every 20 stds. Circulate well and prep for TOOH. LD single jnt w/swivel. RD power swivel. LD 8 more single jnts to 5185' into CSG. TOOH 71 stds 2 7/8" AOH DP & 10 stds spiral HWDP. Break out & LD directional BHA, load out on Double S hot shot truck. Release Mesa West Directional. Well had light surging flow. Break to eat while waiting f/40 bbls 12.8 ppg mud delivery for top kill. MU 6 1/4" STX-30DX bit, bit sub, xo and start TIH w/10 std HWDP to 617'. Flow up DP, RU & pump 3 bbls mud to kill. Continue TIH w/71 stds DP to 5096' killing DP as needed. PU 11 single jnts off racks. RU power swivel & MU jnt #154. Establish circulation 3.0 bbls/min to CL system, no circulation them kicked hard across shakers. Shut well in & line up on choke manifold w/900 psi. Open to FB tanks to bleed off pressure to 200 psi. Line up f/choke to gas buster & CL pits. Choke back & circulate remaining gas out of wellbore. Tag up at 5435' (5' of fill). Clean out fill & start drilling at 5440'. WOB-10 TO 15k, 60 RPM w/CP of 1500 psi. Drill f/5440' to 5520' MD. Good returns f/DCIIC formation. Fluid loss of 20 bbls in 7.5 hrs (2.7 bbl/hr). Avg ROP of 10.7 ft/hr. Crew change at 0600 hrs. |
| 19 | 11/14/2012 | 11/15/2012 | Daily report on MCU P #17 capital injector. Four Corners Well Service rig #5. Crew change @ 0600 hrs. JSA & job topic-Drilling 45' to TD, circulate clean & TOOH, LD HWDP. Pinch points & hand placement, monitor pit levels f/gains or loses. Caught in between & derrick man 100 % tied off. Continue to drill f/5520' to 5530'. Shut down pump, clean out trash f/under suction valves. Establish circulation and drill f/5530' to 5565' MD, 5551' TVD. Circulate well until clean returns. LD 1 single w/swivel. RD swivel & LD 14 more single jnts back into CSG. TOOH 71 stds 2 7/8" AOH DP. LD 20 single jnts spiral HWDP. SI well & line up to FB tanks-no flow. RU Blue Jet WL. JSA w/crews, 10 men present-turn phones off, stay clear of WL operations, secure entrance, emergency contact numbers. RIH w/Chemfrac gun to 5363'. Interval to be shot are; 5465'-71', 15' spacer. 5486'-92', 19' spacer and 5511'-17'. Gun fired, ROH w/WL. RD & release Blue Jet. Crew change @ 1800 hrs. JSA & job topic-service & check equipment, Gather xo's to run treating PKR. Wait f/Weatherford tool hand to arrive. Toolhand on location @ 1930 hrs. JSA w/8 men present, review job-BHA make up, Depth's, emergency numbers and stop job authority. Strap tools, MU treating PKR w/1.78" F profile nipple & swivel on 12 jnts 2 7/8" tail pipe w/perforate sub & bull plug. Well started flowing, pump 12.8 ppg plug down TBG. TIH 71 stds and PU 6 singles. Set PKR @ 5146' & test-good. EOT @ 5534'. Wait on Baker Hughes acid crew, eta of 0600. Crew change @ 0600 hrs |
| 20 | 11/15/2012 | 11/16/2012 | On the MCU P-17, capital expenses, injector, Four Corners Well Service Rig #5, 0600 , crew change, hjsa w/crew, talk about job task, ru pump line to tiw valve, pinch points an tag line were discussed, Baker Hughes on location 0630, spot in pump truck an two acid transports, one water truck, ru hard line to tiw valve on drill string, went over job procedure with treater, spot in shower trailer, hjsa w/ crews, 14 on location, talk about job, max psi 3700#, rate 2 to 3 bbls/min, emergency responses,phone numbers, lat. an long., conditions around floor an well head. Started job, press test line to 4700 #, no leaks , good test, blow down, change out turbine meter on pump truck, started job, open by-pass , pump 5 bbls fresh water, spotted 33 bbls 28% HCl , out end of dp to 5283', in open hole, 1.9 bpm/ 318#, shut down let soak for one hour, close by pass, cont with acid job , well on vacuum, pump 114 bls 28% hcl, total 147 bls, 2.0 bpm/300# avg. flush with 60 bbls fresh water 2.0 bpm/340#, shut well in. rd baker hughes, move out. shut in for 2 hrs, well on vacuum, rd flow tee, release packer, rd tiw, pooh an lay down 22 joints, 2 7/8" AOH dp, stand back 73 stands lay down 7"treating packer an swivel. 01800, crew change, hjsa w/crew, talk about job task, rih with injection packer, pinch points, an hand placement were discussed, pu an rih with 7" arrowset 1-X injection packer, 1.81" plug in profile nipple, on 163 joints 2 7/8" AOH dp., set packer @5152', set 25 on it an pull 30 over to set it., J off on/off tool, ru tiw an flow tee, est cir w/rig pump , cir well clean, shut down pump, shut in pipe rams, press up to 1100# on csg an packer (mock mit) held for thirty mins., good test no leak off, blow down pressure, rd kelly, flow tee, tiw, pooh with 91 joints of 2 7/8" AOH dp., lay down .0600 crew change |

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 _____

5. LEASE DESIGNATION AND SERIAL NUMBER:
1420603263

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT or CA AGREEMENT NAME
McElmo Creek

8. WELL NAME and NI IMR:
NAVAJO 114-10 (MCELMO P-17)

2. NAME OF OPERATOR:
Resolute Natural Resources

9. API NUMBER:
4303715519

3. ADDRESS OF OPERATOR:
1675 Broadway, Ste 195 (CITY Denver STATE CO ZIP 80202

10 FIELD AND POOL, OR WLD CAT
Greater Aneth

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 579 FNL, 1837 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 554 FNL, 1794 FEL
AT TOTAL DEPTH: 537 FNL, 1764 FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NWNE 8 41S 25E S

12. COUNTY San Juan 13. STATE UTAH

14. DATE SPUDED: 11/6/2012 15. DATE T.D. REACHED: 11/14/2012 16. DATE COMPLETED: 11/19/2012
ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
4572 GL

18. TOTAL DEPTH: MD 5,551 TVD 5,551 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 |
|-----------|------------|----------------|----------|-------------|----------------------|----------------------------|---------------------|---------------|---------------|
| 15 | 10.75 H-40 | 32.75 | 0 | 1,203 | | B 500 | | 0 CIR | |
| 9 | 7.0 J-55 | 23 | 0 | 5,779 | | B 300 | | 4486 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 | | 5,152 | | | | | | |

26. PRODUCING INTERVALS

| FORMATION NAME | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) |
|----------------------|----------|-------------|-----------|--------------|
| (A) Desert Creek IIC | 5,465 | 5,517 | | |
| (B) | | | | |
| (C) | | | | |
| (D) | | | | |

27. PERFORATION RECORD

| INTERVAL (Top/Bot - MD) | SIZE | NO. HOLES | PERFORATION STATUS |
|-------------------------|------|-----------|--|
| 5,500 5,508 | | | Open <input type="checkbox"/> Squeezed <input checked="" type="checkbox"/> |
| 5,542 5,621 | | | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| 5,540 5,608 | | | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| 5,604 5,698 | | | Open <input type="checkbox"/> Squeezed <input checked="" type="checkbox"/> |

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

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------------|---|
| 5465 to TD open hole | 5 bbls FW head, 147 bbls 28% HCl acid, 60 bbls FW flush |

RECEIVED
JAN 22 2013

DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:
 ELECTRICAL/MECHANICAL LOGS
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
 GEOLOGIC REPORT
 CORE ANALYSIS
 DST REPORT
 OTHER: _____
 DIRECTIONAL SURVEY

30. WELL STATUS:
injecting

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 | 5,211 | | | Chimney Rock Shale | 5,548 |
| Lower Ismay | 5,283 | | | | |
| Gothic Shale | 5,348 | | | | |
| Desert Creek IA | 5,358 | | | | |
| Desert Creek IB | 5,382 | | | | |
| Desert Creek IC | 5,398 | | | | |
| Desert Creek IIA | 5,412 | | | | |
| Desert Creek IIB | 5,430 | | | | |
| Desert Creek IIC | 5,452 | | | | |
| Desert Creek III | 5,521 | | | | |

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, SITP 1020 psi, SICP 150 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 1/16/2012

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

RESOLUTE

NATURAL RESOURCES

Daily Well Report

Well Name: Mcelmo Cr P17

| | | | | | | | |
|-----------------------------------|------------------------------|----------------------------------|--------------------------------|---|-----------------------|------------------------|-----------------------------|
| API Number 43037155190000 | Section 8 | Township 41S | Range 25E | Field Name McElmo Creek | County San Juan | State/Province Utah | Wellbore Config Vertical |
| Ground Elevation (ft) 4,571.00 | Casing Flange Elevation (ft) | KB-Ground Distance (ft) 11.00 | KB-Casing Flange Distance (ft) | Well Spud Date/Time 10/19/1957 00:00 | 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 Service | 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 Wilson Services & NNEPA to loc. JSA. Tailgate safety mtg. (CO2, welder on loc, High Press.). MIRU Wilson Services Press Truck. SIFP 1,020 psig. SICP 150 psig. BD csg to 0 psig. Attempt to blow down CO2. Got blown down to 865 psig. MIRU Wilson Services tst truck. Press csg up to 1,170 psig. Chart for 30 minutes. Ending csg psig 1,170 psig. Tbg 870 psig. Passed MIT witnessed by LeRoy Lee from NNEPA. RDMO Wilson Services. Recompletion Well |

RESOLUTE

NATURAL RESOURCES

Daily Activity and Cost Summary

Well Name: **McElmo Cr P17**

| | | | | | | | |
|-----------------------------------|------------------------------|----------------------------------|--------------|--------------------------------|---|------------------------|-----------------------------|
| API Number 43037155190000 | Section 8 | Township 41S | Range 25E | Field Name McElmo Creek | County San Juan | State/Province Utah | Wellbore Config Vertical |
| Ground Elevation (ft) 4,571.00 | Casing Flange Elevation (ft) | KB-Ground Distance (ft) 11.00 | | KB-Casing Flange Distance (ft) | Well Spud Date/Time 10/19/1957 00:00 | Rig Release Date/Time | |

| | | | |
|-------------------------------------|----------------------------------|--------------------|-------------------------------|
| Job Category Completion/Workover | Primary Job Type Recompletion | Secondary Job Type | Working Interest (%) 71.25 |
| Start Date 9/17/2012 | End Date 11/18/2012 | AFE Number | Total AFF Amount |

Objective
Job scope: Retrieve existing tubing and packer, sidetrack out of the existing 7" casing at ~5200' and drill to a projected depth of 5551' TVD (~3' 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 Four Corners Well Service | Rig Number 5 | Rig Start Date 11/5/2012 | Rig Release Date 11/18/2012 |
|---|-----------------|-----------------------------|--------------------------------|

| Report Number | Start Date | End Date | Day Total | Cum To Date | Summary |
|---------------|------------|-----------|-----------|-------------|--|
| 1 | 8/30/2012 | | | | Bleed down water side of injection well, empty frac tank @ P15 |
| 2 | 9/11/2012 | | | | Dismantle Skid fr/P17, Set aside vlvs |
| 3 | 9/12/2012 | | | | Breakup Concrete on loc. |
| 4 | 9/14/2012 | | | | Hauling in fill & mixing with blade. Loc was sandy inside anchors. Extended loc to accomodate 24 hr rig. Will haul approx. 12 more loads 9-25-12 |
| 5 | 9/17/2012 | | | | Break out cmt pad & Haul off broken up cmt. |
| 6 | 9/18/2012 | | | | Break off concrete, haul off. |
| 7 | 9/20/2012 | 9/20/2012 | | | Re-test 4 anchors to 25K, test okay, installed 4 anchor tags |
| 8 | 9/24/2012 | | | | Haul dirt & compact loc. |
| 9 | 9/25/2012 | | | | Load & haul dirt to loc. |
| 10 | 11/5/2012 | 11/6/2012 | | | On the MCU P-17, capital expence, injector, Four Corner well service Rig #5, had spotted in rig ramp, spot rig on ramp, started to move in equipment, on the MCU C-15, operation were stopped, didnot have all approvals for work, Call Wilson, will reroute to MCU P-17, went an check MCU P-17, location ready, anchors tested, start moving equipment to location, spotted in rig ramp, rig, mud system, generator, one flow back tnk, 3 pipe trailers, rig pump, gas buster, will cont to move in rest of equipment in am, 01800 crew change, hjsa w/crew, talk about rigging up equipment, pinch points an caught between, were dicussed, ru generator, lights, trailers, maintance rig an equipment. |
| 11 | 11/6/2012 | 11/7/2012 | | | On the MCU P-17, injector, capital expence, Four Corners Well Service Rig #5, 0600, crew change, hjsa w/crew, talk about job task, rigging up equipment, pinch points, taglines were dicussed. waiting on hydraulic hose to raise derrick, waiting on flow back tank c/o, dawn trucking delievering equipment,rig up as brought in, fix hydraulic hose an replace liners in rig pump. scope up derrick, tie down to deadman, haul out rig pump, spot in tbg trailer, haul in one load prod. water. spot in rig pit, ru to choke manifold, crew change 01800, hjsa w/crew, talk about job task, flow back well, co2, h2s, wind direction were dicussed, sitp 2150#, sicp 65#, open tbg to rig pit, flow back for one hour, pressure down to 500#.co2, si tbg for one hour, pressure up to 1050#, miru slick line, rih with 1.80" gauge ring, tag up 5212', pooh gauge ring, make up an rih w/ 1.81" plug, tag an set plug @5212', ru rig pump, pressure up to 1500#, shear off of plug, pooh with setting tool, blow down pressure, no flow from tbg, rd slick line, move out, rdwh, ru bop stack,ru floor, ladders, gaurds, tongs, ru 6" line from HRC valve to choke manifold, ru 6" line from bop to gas buster, pu one joint 2 7/8" eue tbg, screw into hanger, close pipe rams pressure test pipe rams an hydriil to 1000#, on high side, 250# on low, good test, bd, set in hydraulic cat walk, pipe racks. |

RESOLUTE

NATURAL RESOURCES

Daily Activity and Cost Summary

Well Name: Mcelmo Cr P17

| | | | | | | | |
|-----------------------------------|------------------------------|----------------------------------|--------------------------------|---|-----------------------|------------------------|-----------------------------|
| API Number 43037155190000 | Section 8 | Township 41S | Range 25E | Field Name McElmo Creek | County San Juan | State/Province Utah | Wellbore Config Vertical |
| Ground Elevation (ft) 4,571.00 | Casing Flange Elevation (ft) | KB-Ground Distance (ft) 11.00 | KB-Casing Flange Distance (ft) | Well Spud Date/Time 10/19/1957 00:00 | Rig Release Date/Time | | |

| Report Number | Start Date | End Date | Day Total | Cum To Date | Summary |
|---------------|------------|------------|-----------|-------------|---|
| 12 | 11/7/2012 | 11/8/2012 | | | On the MCU P-17, injector, capital expence , Four Corners Well Service Rig #5, 0600 crew change. hjsa w/crew, talk about job task , pooh with 2 7/8" duroline tbg, lay down., talk about pinch points, h2s, spotter. J off of on / off tool, pooh an lay down landing joint, tbg hanger, one joint 2 7/8" duroline tbg, stainless steel nipple, 3- 2 7/8" duroline tbg. subs, 159 joints 2 7/8" duroline tbg. lay down on pipe racks, move to tbg trailer sent to Aneth pipe yard. move over 77 joints 2 7/8" AOH DP. to pipe racks, tally , pu an rih on/off tool, 4'- 2 7/8" perf tbg sub, x/o, 77 joints of 2 7/8" AOH dp, on/off tool to 2500', 01800, crew change, hjsa w/crew, talk about job task, pu,rih 2 7/8" DP, pinch points, hand placement , h2s were decussded, move over 74 more joints 2 7/8" AOH DP, tally pu an rih 74 joints, on/off tool to 4764', move over 19 more joints, tally rih with 14 joints to 5206', ru swivel, change out stripping rubber, ru flow back line to flow back tank. pu joint #166, rih tag up @5225', latch on/off tool. 13# mud delivered to location, ru rig pump , displace annular volume of well with 13# mud, 198 bbls , start working dp an swivel to release baker inverted lok set, release packer, shut well in , one hour, monitor pressure,0#, open well , rd swivel. crew change 0600. |
| 13 | 11/8/2012 | 11/9/2012 | | | On the MCU P-17, injector, capital expences, Four Corner Well Service Rig #5, 0600, crew change , hjsa w/crew, talk about job task, pooh w/drill pipe an packer, pinch points, 100% tie off were discussed, pooh w/ 166 joints of 2 7/8" AOH drill pipe, x/o, on/off tool, baker inverted lok set packer, lay down packer, stand back drill pipe, load hole every 20 stands of drill pipe. lunch, rih w/ 6 1/4" bit, bit sub, 5 joints 2 7/8" AOH drill pipe, 7" csg scraper, 166 joints 2 7/8" AOH drill pipe, scraper to 5300', bit to 5440', ru rig pump, cir well clean, spot in flow back tank, shut down rig pump, pooh with 15 stands of drill pipe, 01800 crew change, hjsa w/crew, talk about job task pooh with drill pipe, keep well full every 20 stands, pinch points were dicussed, pooh with 63 stands of drill pipe, 7" scraper, 5 joints 2 7/8" drill pipe AOH, bit sub, bit, miru wireline, ru lubricator, ru shives, pu an rih with RADII Sector Cement Bond Logging tool, run cbl from 5300' to 1000', toc 4100', good cement @5200', pooh logging tool, pu , rih with MTT/40 arm Caliper Casing Inspection logging tool , run log from 5300' to surface, good csg @5200', pooh with tool pu an rih CIBP for 7" csg, set at 5210', 14 ' below collar, pooh with setting tool, rd wireline, shut blind rams, ru rig pump to csg, pressure csg up to 600#, test csg an CIBP for 30 mins, okay , bd. rih with 13 stands of 2 7/8" AOH dp, pooh an lay down 26 joints on pipe racks, move over one joint 3.5" dp, 20 joints 2 7/8" hwy swiral dp, tally. pu 3.5 dp, made up mills, whipstock , ubho sub , x/o, rih 0600 crew change |
| 14 | 11/9/2012 | 11/10/2012 | | | On the MCU P-17, injector, capital expences, Four Corners Well Service Rig 5, 0600 crew change, hjsa w/crew, talk about job task,rih with whip stock, pinch points , hand placement were decussed, rih with 20 joints 2 7/8" spril heavy wt dp an 144 joints 2 7/8" AOH dp, to 5200' , pu an ru swivel, pu joint 165 with gyro, miru wireline, rih with gyro, test on way in, set tool in ubho sub, set whipstock at 59.26 degrees, pooh with gyro, rd wireline. displace mud 250 bbls, with 250 bbls of prod. water, while displacenge fluids , had some fluids spitting out of braiden head, Call Wilson, said to monitor during job an report , haul 200 bbls prod water to pit,01800, crew change, hjsa w/ crew, talk about job task start milling out window, watch press on pump, hearing protection an weather conditions were decussed, whip stock to 5207', est cir start milling window, mill from 5206' to 5209', 0600 crew change, |

RESOLUTE

NATURAL RESOURCES

Daily Activity and Cost Summary

Well Name: Mcelmo Cr P17

| | | | | | | | |
|-----------------------------------|------------------------------|----------------------------------|--------------------------------|---|-----------------------|------------------------|-----------------------------|
| API Number 43037155190000 | Section 8 | Township 41S | Range 25E | Field Name McElmo Creek | County San Juan | State/Province Utah | Wellbore Config Vertical |
| Ground Elevation (ft) 4,571.00 | Casing Flange Elevation (ft) | KB-Ground Distance (ft) 11.00 | KB-Casing Flange Distance (ft) | Well Spud Date/Time 10/19/1957 00:00 | Rig Release Date/Time | | |

| Report Number | Start Date | End Date | Day Total | Cum To Date | Summary |
|---------------|------------|------------|-----------|-------------|---|
| 15 | 11/10/2012 | 11/11/2012 | | | Daily report on MCU P #17 capital injector. Four Corners Well Service rig #5, Crew change, JSA & job topic-Milling window, TOO H w/mills. Pinch points, proper tong operations using back up to prevent slip cuts. Muddy location- slips & trips. Continue to mill on rat hole & dress window f/5209' to 5211' (6' rat hole). LD single jnt w/swivel. Repair leaking high pressure nipple on swivel & RD. LD 2nd single jnt & TOO H 71 stds DP & 10 stds HWDP to surface & LD mills. Starter mill 1/4" out of gauge, window mill in gauge. Move & tally moter & monels to racks. MU 6 1/4" STX-30 DX, bit, S/N 5204611 on 1.83 deg 5" motor. RD power tongs, RU manuel tongs. PU 1st 4 3/4" monel, UBHO sub & MU. Insert MWD tool, & MU 2nd monel & scribe. Crew change @ 1800 hrs. JSA & job topic-TIH w/directional BHA, proper torque's, cold weather, teamwork & ck motor & MWD on TIH. TIH 10 std HWDP & 1 std DP to 768'. Test motor-good. Continue to 3292' & test MWD-good, continue to 5185'. RU power swivel, RU WL, RU 2nd rig pump & load gyro tool into jnt #143. RIH w/WL & seat gyro. Tag 5205' (bottom of window) Est circulation 4.7 bbls/min. Problem w/#2 pump-drain plug on suction manifold washed out. Est circulation pump #1 w/3.8 bbl/min. Thaw control f/brake on power swivel. Work thru window & tag @ 5211'. Slide drill to 5214'. Swivel control froze again, put heat pad on it & thaw. Slide drill f/5214' to 5217'. ROH w/WL & gyro. Make Connection #144, RIH w/WL gyro. Slide drill f/5217' to 5220'. Having trouble keeping tool face in right direction. Crew change @ 0600 hrs. |
| 16 | 11/11/2012 | 11/12/2012 | | | Daily report on MCU P #17 capital injector well. Four Corners Well Service rig #5. Crew change, JSA & job topic-drilling OH out f/window. Monitor pumps & pit levels and housekeeping. Continue trying to drill outside window at 5220' attempting to maintain 60 deg tool face. Tagging up on something hard and knocking tool face around from 20 to 120 deg. Pull up thru window-no drag. Work back in to 5217' & tag up again. Increase WOB and get by. Slide drill to 5248'. Good returns of fine clay & trace of shale. ROH w/WL & gyro tool LD & RD Blue Jet WL. Release Gyrodate & Blue Jet. MU jnt #145 establish circulation 3.8 bbl/min @ 1700 psi, WOB 20 TO 25K. Drill to 5262'. Had fluid loss of 60 bbls in 3 hr period, increase ROP of 7 ft/hr. Crew change at 1800 hrs, JSA & job topic-drilling, making connections, watch pumps & pit levels. Pinch points, possible gas kicks on location. PU off bottom & shut down #1 pump at 1830 hrs-liner caps loose, swabs leaking by. Make repairs. Start small pump #2 and circulate will repairing #1 pump. Establish circulation again-same & continue to slide & rotate drill f/5262' to 5343'. Had noticeable ROP increase. Had gas kick at 5343'. Shut well in. SICP @ 600#, line up on choke manifold & tried to circulate kick out f/0300 hrs to 0600 hrs w/8.4 ppg fluid w/no luck. Well continued to flow. Crew change at 0600 hrs. |
| 17 | 11/12/2012 | 11/13/2012 | | | Daily report on MCU P #17 capital injector. Four Corners Well Service rig #5. Crew change JSA & job topic-well flowing, LD single jnts to get back into CSG, SI & monitor f/new KWF. Pinch points, high pressures and possible gas on location-gas monitors and observe wind direction. LD 1 single w/swivel. RD power swivel & LD 4 more singles to 5185' and Shut well in. Monitor pressure to establish new KWF. Transfer 8.4 ppg fluid from CL system to FB tanks. Called Terence at plant to inform. Call out for vac trucks to haul fluids. SICP @ 500#. Order 400 bbls 10# brine and haul into CL system. Wait for delivery. Displace wellbore w/200 bbls 10# brine and continue to circulate gas out during break to eat. Well killed. PU 5 single jnts & tag fill @ 5330' (13' of fill). Establish circulation and started cleaning out. Well killed again line up on choke manifold & circulate gas out. Returning 9.8 ppg gas cut fluid. Crew change @ 1800 hrs, JSA & job topic-drilling, making connections, watch pit levels f/gains & losses. Possible gas on location. Pinch points, observe gas detectors & wind directions. Establish circulation 3.8 bbls/min @ 1500#. Rotate & clean out f/5330' to 5343'. Make connection and start slide f/5343' to 5358', rotate f/5358' to 5375' and rotate f/5375' to 5440' TVD, Crew change @ 0600 hrs |

RESOLUTE

NATURAL RESOURCES

Daily Activity and Cost Summary

Well Name: **Mcelmo Cr P17**

| | | | | | | | |
|-----------------------------------|------------------------------|----------------------------------|--------------------------------|---|-----------------------|------------------------|-----------------------------|
| API Number 43037155190000 | Section 8 | Township 41S | Range 25E | Field Name McElmo Creek | County San Juan | State/Province Utah | Wellbore Config Vertical |
| Ground Elevation (ft) 4,571.00 | Casing Flange Elevation (ft) | KB-Ground Distance (ft) 11.00 | KB-Casing Flange Distance (ft) | Well Spud Date/Time 10/19/1957 00:00 | Rig Release Date/Time | | |

| Report Number | Start Date | End Date | Day Total | Cum To Date | Summary |
|---------------|------------|------------|-----------|-------------|---|
| 18 | 11/13/2012 | 11/14/2012 | | | Daily report on MCU P #17 capital injector. Four Corner Well Service rig #5. Crew change JSA & job topic-TOOH to LD directional BHA, pinch points, caught in between, derrick man 100% tied off and fill wellbore every 20 stds. Circulate well and prep for TOOH. LD single jnt w/swivel. RD power swivel. LD 8 more single jnts to 5185' into CSG. TOOH 71 stds 2 7/8" AOH DP & 10 stds spiral HWDP. Break out & LD directional BHA, load out on Double S hot shot truck. Release Mesa West Directional. Well had light surging flow. Break to eat while waiting f/40 bbls 12.8 ppg mud delivery for top kill. MU 6 1/4" STX-30DX bit, bit sub, xo and start TIH w/10 std HWDP to 617'. Flow up DP, RU & pump 3 bbls mud to kill. Continue TIH w/71 stds DP to 5096' killing DP as needed. PU 11 single jnts off racks. RU power swivel & MU jnt #154. Establish circulation 3.0 bbls/min to CL system, no circulation then kicked hard across shakers. Shut well in & line up on choke manifold w/900 psi. Open to FB tanks to bleed off pressure to 200 psi. Line up f/choke to gas buster & CL pits. Choke back & circulate remaining gas out of wellbore. Tag up at 5435' (5' of fill). Clean out fill & start drilling at 5440'. WOB-10 TO 15k, 60 RPM w/CP of 1500 psi. Drill f/5440' to 5520' MD. Good returns f/DCLIC formation. Fluid loss of 20 bbls in 7.5 hrs (2.7 bbl/hr). Avg ROP of 10.7 ft/hr. Crew change at 0600 hrs. |
| 19 | 11/14/2012 | 11/15/2012 | | | Daily report on MCU P #17 capital injector. Four Corners Well Service rig #5. Crew change @ 0600 hrs. JSA & job topic-Drilling 45' to TD, circulate clean & TOOH, LD HWDP. Pinch points & hand placement, monitor pit levels f/gains or loses. Caught in between & derrick man 100 % tied off. Continue to drill f/5520' to 5530'. Shut down pump, clean out trash f/under suction valves. Establish circulation and drill f/5530' to 5565' MD, 5551' TVD. Circulate well until clean returns. LD 1 single w/swivel. RD swivel & LD 14 more single jnts back into CSG. TOOH 71 stds 2 7/8" AOH DP. LD 20 single jnts spiral HWDP. SI well & line up to FB tanks-no flow. RU Blue Jet WL. JSA w/crews, 10 men present-turn phones off, stay clear of WL operations, secure entrance, emergency contact numbers. RIH w/Chemfrac gun to 5363'. Interval to be shot are; 5465'-71', 15' spacer. 5486'-92', 19' spacer and 5511'-17'. Gun fired, ROH w/WL. RD & release Blue Jet. Crew change @ 1800 hrs. JSA & job topic-service & check equipment, Gather xo's to run treating PKR. Wait f/Weatherford tool hand to arrive. Toolhand on location @ 1930 hrs. JSA w/8 men present, review job-BHA make up, Depth's, emergency numbers and stop job authority. Strap tools, MU treating PKR w/1.78" F profile nipple & swivel on 12 jnts 2 7/8" tail pipe w/perforate sub & bull plug. Well started flowing, pump 12.8 ppg plug down TBG. TIH 71 stds and PU 6 singles. Set PKR @ 5146' & test-good. EOT @ 5534'. Wait on Baker Hughes acid crew, eta of 0600. Crew change @ 0600 hrs |
| 20 | 11/15/2012 | 11/16/2012 | | | On the MCU P-17, capital expenses, injector, Four Corners Well Service Rig #5, 0600 , crew change, hjsa w/crew, talk about job task, ru pump line to tiw valve, pinch points an tag line were discussed, Baker Hughes on location 0630, spot in pump truck an two acid transports, one water truck, ru hard line to tiw valve on drill string, went over job procedure with treater, spot in shower trailer, hjsa w/ crews, 14 on location, talk about job, max psi 3700#, rate 2 to 3 bbls/min, emergency responses,phone numbers, lat. an long., conditions around floor an well head. Started job, press test line to 4700 #, no leaks , good test, blow down, change out turbine meter on pump truck, started job, open by-pass , pump 5 bbls fresh water, spotted 33 bbls 28% HCl , out end of dp to 5283', in open hole, 1.9 bpm/ 318#, shut down let soak for one hour, close by pass, cont with acid job , well on vacuum, pump 114 bls 28% hci, total 147 bls, 2.0 bpm/300# avg. flush with 60 bbls fresh water 2.0 bpm/340#, shut well in. rd baker hughes, move out. shut in for 2 hrs, well on vacuum, rd flow tee, release packer, rd tiw, pooh an lay down 22 joints, 2 7/8" AOH dp, stand back 73 stands lay down 7"treating packer an swivel. 01800, crew change, hjsa w/crew, talk about job task, rih with injection packer, pinch points, an hand placement were discussed, pu an rih with 7" arrowset 1-X injection packer, 1.81" plug in profile nipple, on 163 joints 2 7/8" AOH dp., set packer @5152', set 25 on it an pull 30 over to set it., J off on/off tool, ru tiw an flow tee, est cir w/rig pump , cir well clean, shut down pump, shut in pipe rams, press up to 1100# on csg an packer (mock mit) held for thirty mins., good test no leak off, blow down pressure, rd kelly, flow tee, tiw, pooh with 91 joints of 2 7/8" AOH dp., lay down .0600 crew change |

RESOLUTE

NATURAL RESOURCES

Daily Activity and Cost Summary

Well Name: Mcelmo Cr P17

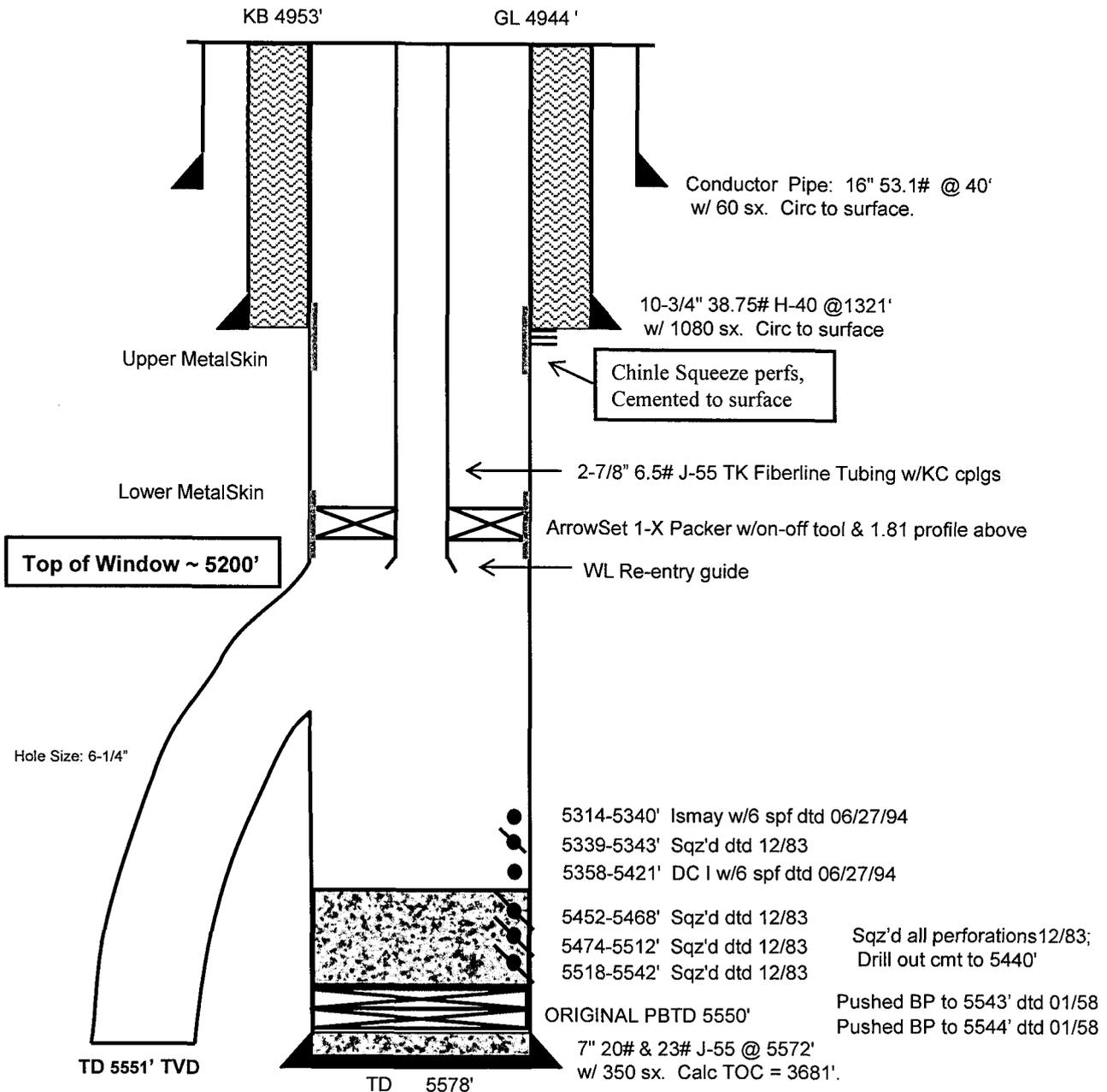
| | | | | | | | |
|-----------------------------------|------------------------------|----------------------------------|--------------------------------|---|-----------------------|------------------------|-----------------------------|
| API Number 43037155190000 | Section 8 | Township 41S | Range 25E | Field Name McElmo Creek | County San Juan | State/Province Utah | Wellbore Config Vertical |
| Ground Elevation (ft) 4,571.00 | Casing Flange Elevation (ft) | KB-Ground Distance (ft) 11.00 | KB-Casing Flange Distance (ft) | Well Spud Date/Time 10/19/1957 00:00 | Rig Release Date/Time | | |

| Report Number | Start Date | End Date | Day Total | Cum To Date | Summary |
|---------------|------------|------------|-----------|-------------|--|
| 21 | 11/16/2012 | 11/17/2012 | | | <p>On the MCU P-17, capital expenses, injector, Four Corner Well Service Rig #5, 0600 , crew change, hjsa w/crew, talk about job task, pooh an lay down 2 7/8" AOH dp.pinch points, handplacement,an use of a spotter were discussed. cont. to pooh an lay down 72 joints 2 7/8" AOH dp., an on/off tool. move dp to tbg trailer, move in water trucks, load out flow back water, spot in trailer of 2 7/8" TK tbg. w/kc couplings, move 94 joints to pipe racks, tally, rih with on off tool, nickel coated seat nipple, on 100 joints of 2 7/8" TK tbg, . 01800 , crew change, hjsa w/crew, talk about job task, rih w/tbg, pinch points , hand placement were dicussed, cont. to rih w/ 2 7/8" TK tbg, 62 more joints, tag an latch on/off tool, space out , release off of on/off tool, ru kelly to tbg, displace annular with 200 bbls of packer fluid. pu subs, hanger , latch an set , set lock downs, prod. string consist of wireline re-entry guide,R profile nipple,x/o,7" arrow set 1X injection packer,on/off tool,x/o,nickle coated nipple,159 joints 2 7/8" TK /kc couplings,3- 2 7/8" TK tbg subs,(10',8',3'),one joint 2 7/8" TK,stainless seat nipple, tbg hanger, packer set w/23000# compression, tbg. hanger 13000#, ru kelly to csg , run mock mit,pressure to 1100#, held for thirty mins, good solid test, bled off, rd bop stack, ruwh, test seal to 1500#, held, bled off, miru slick line, rih with spear, to 5065', ru kelly to tbg, presssure up to 1000#,cont in with spear tag up an rupture disc@5132', tbg went on vacuum, pooh w/spear, rih w/ retrieving tool , latch an pooh with 1.81" plug, shut well in, rd slick line, move out, cont to rig down equipment.</p> |
| 22 | 11/17/2012 | 11/18/2012 | | | <p>On the MCU P-17, capital expenses, injector, Four Corners Well Service Rig #5, 0600, crew change, hjsa w/ crew, talk about job task, rigging down derrick, moving to next location, talk about pinch points an communication., rd derrick, move rig off ramp, miru super sucker, clean ou t mud pits, gas buster, Dawn trucking on location 01000, to move equipment, hjsa w/ drivers, load assignment , route, an speed were dicussed, load up equipment start moving out. crew to clean location on monday.</p> |

McELMO CREEK UNIT # P-17
 GREATER ANETH FIELD
 579' FNL & 1837' FEL
 SEC 8-T41S-R25E
 SAN JUAN COUNTY, UTAH
 API 43-037-15519
 PRISM 0000363

INJECTOR

**Attachment 2:
 Current Wellbore
 Sidetracked to DC-IIC,
 Open Hole Completion**



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

FORM 6

C

ENTITY ACTION FORM

Operator: Resolute Natural Resources
Address: 1675 Broadway, Ste 1950
city Denver
state CO zip 80202

Operator Account Number: N 2700

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 | | | 10/27/2012 | | | | |
| Comments: deepened existing wellbore to recomplete in DC-IIC formation <i>Duplicate</i> | | | | | | | |

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: <i>Work not completed</i> | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|------------------------------|-------------------|-----------|-----|----------------------------------|-----|----------|
| 4303715519 | NAVATO 114 -10 (MCELMO P-17) | | NWNE | 8 | 41S | 25E | San Juan |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | Entity Assignment Effective Date | | |
| E | 99990 | 5980 | 11/6/2012 | | 19-Nov-2012 | | |
| Comments: <i>DSCR</i> <i>processed 31-Jan-2013</i> RECEIVED DEC 31 2012 | | | | | | | |

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 |
|---|---|--|
| SUNDRY NOTICES AND REPORTS ON WELLS | | 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603263 |
| 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 114-10 (MCELMO P-17) | |
| 2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES | 9. API NUMBER: 43037155190000 | |
| 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: 0579 FNL 1837 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWN E Section: 08 Township: 41.0S Range: 25.0E Meridian: S | COUNTY: SAN JUAN | |
| | STATE: UTAH | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 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"/> 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. Resolute Natural Resources submits this sundry as a proposal of a Tracer Injection Test. Attached are the procedures, Schematic and MSDS sheets. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 28, 2014 | | |
| 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 P-17 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

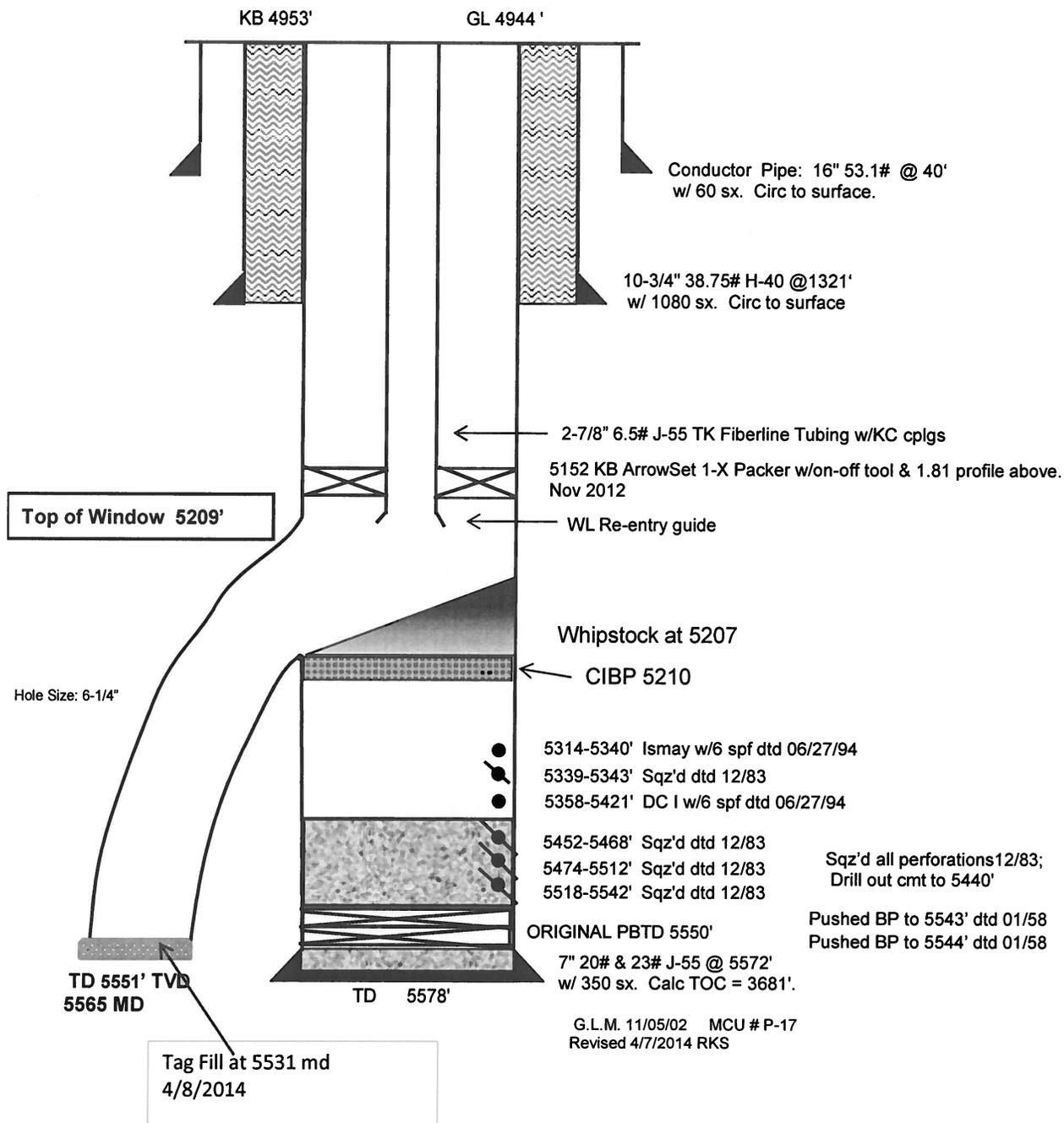
1. Check wellhead valves for operation.
2. MIRU Production Logging Services or other. Maintain/record rate w/ choke wide open.
3. RIH with gamma ray. Run baseline Gamma Ray from current PBTB to 5250. See attached schematic and openhole log. Tie into Gothic Shale Top at 5344. The Gothic Shale top will 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 1400 and 1 gallon of FFI 3000 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 # P-17
GREATER ANETH FIELD
660' FNL & 1980' FEL
SEC 8-T41S-R25E
SAN JUAN COUNTY, UTAH
API 43-037-15519

INJECTOR



Spectrum Tracer LLC

Emergency Phone (918) 694-9537

MSDS#1400

Material Safety Data Sheet

FFI 1400

1. Material Identification

FFI 1400- 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.

Spectrum Tracer LLC

Emergency Phone (918) 694-9537

MSDS#1400

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#3000

Material Safety Data Sheet

FFI 3000

1. Material Identification

FFI 3000- 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#3000

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

| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
|--|---|--|
| | | 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603263 |
| 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 114-10 (MCELMO P-17) |
| 1. TYPE OF WELL Water Injection Well | 9. API NUMBER: 43037155190000 | |
| 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: 0579 FNL 1837 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 08 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: 5/2/2014 <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"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <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 as notice that the Tracer Injection Test on the above well was completed on 5/2/2014 according to previously submitted procedures. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 03, 2014 | | |
| NAME (PLEASE PRINT) Erin Joseph | PHONE NUMBER 303 573-4886 | TITLE Sr. Regulatory Analyst |
| SIGNATURE N/A | DATE 6/2/2014 | |

| | |
|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603263 |
| 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 114-10 (MCELMO P-17) |
| 2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES | 9. API NUMBER: 43037155190000 |
| 3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950 , Denver, CO, 80202 | PHONE NUMBER: 303 534-4600 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0579 FNL 1837 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 08 Township: 41.0S Range: 25.0E Meridian: S | 9. FIELD and POOL or WILDCAT: GREATER ANETH COUNTY: SAN JUAN STATE: UTAH |

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

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

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

Resolute Natural Resources respectfully submits this sundry as notice of acidizing and clean out of the above wellbore attached are the procedures and schematic

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

Date: _____

By: DeK Qwert

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

RESOLUTE

NATURAL RESOURCES

MCU P-17 Coil Tubing Clean Out & Acidize

Procedure

1. LOTO Injection Lines at wellhead, on main isolation valves, and CP Panel.
2. MI spot CTU, pump unit, rig pit, install hard line and choke manifold.
3. RU CTU with 1.25 inch coil, 1.25 Vortec washtool.
4. Test lubricator and BOP's to 4500 psig.
Minimum ID @ 1.78 'R 'profile @ ~5150.9' KB' (1.72 no-go).
5. RIH with CTU, establish circulation; clean out fill to TD at 5565' KB;
Take solids samples for analysis. After reaching PBD, circ well bore clean.
6. Load coil with 7 drums xylene or alternate solvent; Prepare to acidize behind the solvent with 4500 gal inhibited 20% HCl.
7. Spot coil near btm ~5560' & begin solvent at .5 bpm, moving CT up to 5211' (top of Ismay), then back down to 5560' while pumping solvent, then shut down for 30 min soak when acid is at the tip of the coil, & coil at btm perf. Coil speed of 38.1 fpm required at 0.5 bpm.
8. Pump the acid while making two trips up and down 5560'-5211' w/the coil.
9. PU to ~5200' and overdisplace acid past PBD at 5565' by 25 bbls fresh water.
10. POOH with coil tubing.
11. RD CTU and stimulation equipment. Release equipment.
12. Backflow lateral line for cleanup.
13. Advise Pierce Benally (435) 619-7234 the well is ready to return to injection.

McELMO CREEK UNIT # P-17

GREATER ANETH FIELD

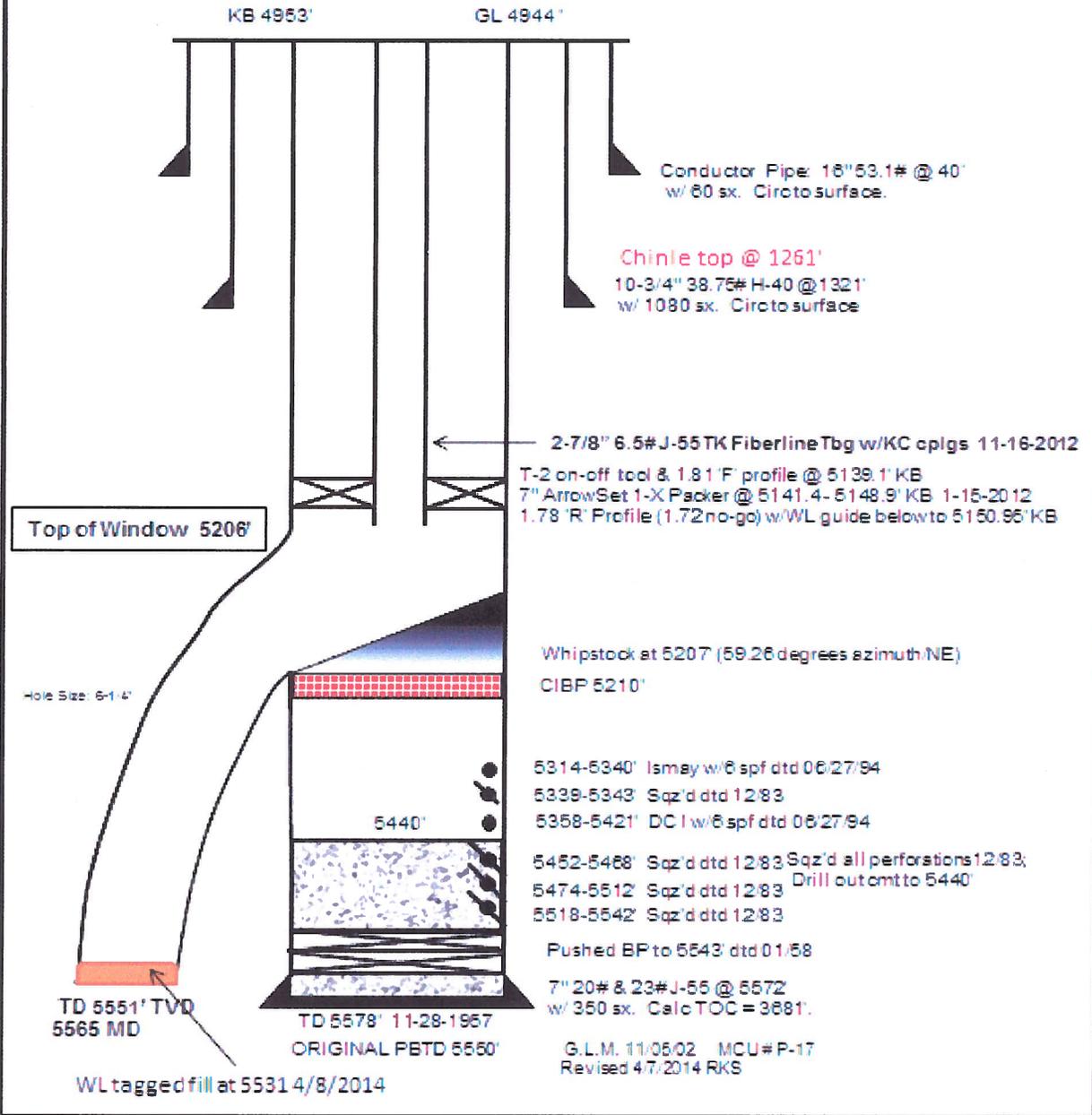
660' FNL & 1980' FEL

SEC 8-T41S-R25E

SAN JUAN COUNTY, UTAH

API 43-037-15519

INJECTOR



| | | |
|--|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| | | 5. LEASE DESIGNATION AND SERIAL NUMBER: 1420603263 |
| 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 |
| 1. TYPE OF WELL Water Injection Well | | 8. WELL NAME and NUMBER: NAVAJO 114-10 (MCELMO P-17) |
| 2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES | | 9. API NUMBER: 43037155190000 |
| 3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535 | PHONE NUMBER: 303 534-4600 Ext | 9. FIELD and POOL or WILDCAT: GREATER ANETH |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0579 FNL 1837 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 08 Township: 41.0S Range: 25.0E Meridian: S | | COUNTY: SAN JUAN |
| | | STATE: UTAH |

11.

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input checked="" type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/24/2014 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text"/> |

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

Resolute Natural Resources is submitting this sundry as notice that the clean out and acidizing of the above well was completed on 6/24/2014 according to previously submitted procedures.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**
August 06, 2014

| | | |
|---|-------------------------------------|--|
| NAME (PLEASE PRINT) Erin Joseph | PHONE NUMBER 303 573-4886 | TITLE Sr. Regulatory Analyst |
| SIGNATURE N/A | DATE 7/10/2014 | |