

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

Converted to water injection well October, 1962

FILE NOTATIONS

Entered in NID File	<input checked="" type="checkbox"/>	Checked by Chief	_____
Entered On S R Sheet	<input checked="" type="checkbox"/>	Copy NID to Field Office	_____
Location Map Pinned	<input checked="" type="checkbox"/>	Approval Letter	<input checked="" type="checkbox"/>
Card Indexed	_____	Disapproval Letter	_____
TWR for State or Fee Land	_____		

GENERAL DATA:

Date Well Completed: 2/19/58 Location Inspected: _____
 GW W TA _____
 GW _____ Pj _____ CA _____ State of Fee Land: _____

LOGS FILED:

D-1 Log 2/16/58
 Electric Logs (No.) _____
 E-1 E-2 _____ GR _____ G-N W-1 _____
 Lat. _____ Mi-L _____ Sonic _____ Other _____

*Section Gauge
 Temperature
 Radioactivity*

(SUBMIT IN TRIPLICATE)

Indian Agency _____

Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-20-603-263

	0	
7		

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)

December 17, 1957, 19__

Navajo Tract 114
Well No. 9 is located 660 ft. from [N] line and 1980 ft. from [E] line of sec. 7

NW NE Section 7 41S 25E SLM
(4 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. 4817.1 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 5650' to test the potentially productive Hermosa and Paradox formation. Surface casing: Approximately 1400' of 10-3/4" OD 32.75# H-40 smls csg cemented to the surface. Oil String: Required amount of 5 1/2" OD 14 and 15.5# J-55 smls casing cemented with required amount of cement. Drill stem tests - all oil and gas shows will be tested. Mud: Conventional and/or gyp or salt base mud as required. Electric logs etc will be run before setting casing or abandonment. Stimulation 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

LEASE PLAT & PIPE LINE DATA

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

LESSOR _____

TOTAL ACCUMULATED INTEREST _____

STATE UTAH COUNTY SAN JUAN SEC. _____ T. _____ R. _____ ACRES _____

DESCRIPTION AND INTEREST: _____

PROPOSED WELL #9

R-25-E

IF USED FOR PIPE LINE DIAGRAM PLEASE SUPPLY THE FOLLOWING INFORMATION

Total Length and Size of Pipe Laid _____ Pipe Transferred From _____

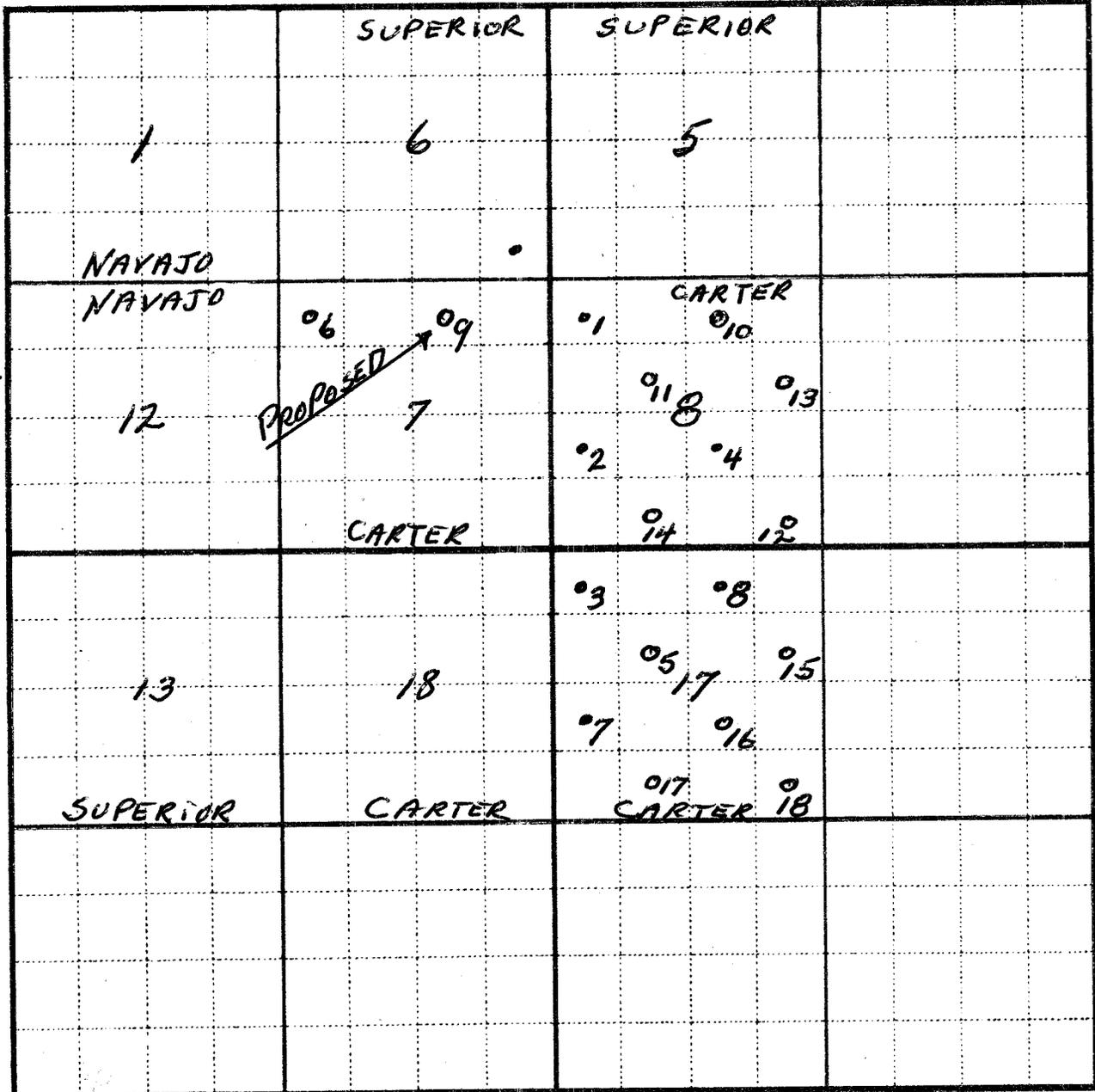
Total Length and Size of Pipe Taken Up _____ Pipe Transferred to _____

Depth Buried _____ Painted _____ Screw, Welded or Coupled _____ List Fittings (on back of this sheet if necessary)

Date _____ District _____ Farm or Plant _____

Signed T H S

(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 _____

December 20, 1957

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

Attention: B. M. Bradley, District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Navajo Tract 114 - 9, which is to be located 560 feet from the north line and 1980 feet from the east line of Section 7, Township 41 South, Range 25 East, SLPM, San Juan County, Utah.

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

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

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

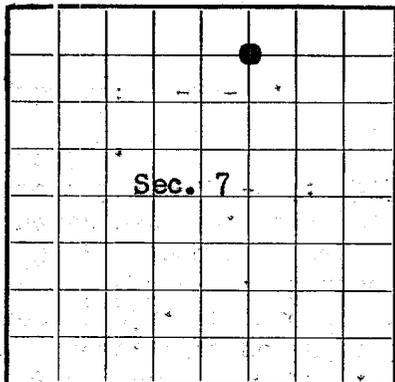
CBF:cn

cc: Phil McGrath
USGS, Farmington,
New Mexico

12

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah



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 P. O. Box 3082, Durango, Colorado
Lease or Tract Navajo Tract 114 Field McElmo Creek State Utah
Well No. 2 Sec. 7 T41S R. 25E Meridian SLM County San Juan
Location 660 ft. S. of N. Line and 1980 ft. Ex of E. Line of Sec. 7 * Elevation 4805
(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 B. M. Bradley
B. M. Bradley Dist. Supt.
Title

Date June 11, 1958

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

Commenced drilling January 3, 19 58 Finished drilling February 2, 19 58

COMPLETED: 2-19-58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5752 to 5743 No. 4, from 5640 to 5633
No. 2, from 5738 to 5728 No. 5, from 5626 to 5607
No. 3, from 5715 to 5674 No. 6, from 5583 to 5558

IMPORTANT WATER SANDS

No. 1, from 820 to 1220 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		Spiral Weld		200	-	(5 1/2")	5752	5743	Production
10-3/4	32.75	8	H-40	493	Baker	(5 1/2")	5738	5728	"
5 1/2	15.5	8	J-55	364	(Howco)	-	5715	5674	"
5 1/2	14	8	J-55	5491		-	5640	5633	"
							5626	5607	"
							5583	5558	"

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
16	200	150	Halliburton	-	-
10-3/4	510	450	Halliburton	-	-
5 1/2	5786	200	Halliburton	-	-

MARK

FOLD

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 5790 feet, and from _____ feet to _____ feet

Cable tools were used from None feet to _____ feet, and from _____ feet to _____ feet

DATES

June 11, _____, 1958 Put to producing on test 2-19-58, 132x

The production for the first 24 hours was 684 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Flow thru 3/8" choke Gravity, °Bé. 40.2° API

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

Rock pressure, lbs. per sq. in. _____ Est. GOR - 600:1

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	820	820	SAN RAFAEL GROUP: Interbedded red sandstones & red shales.
820	1499	679	GLEN GANYON GROUP: Red sandstones.
1499	2618	1119	CHINLE: Interbedded sandstones & silty shales becoming very calcareous near the base with much limestone.
2618	4601	1983	CUTIER: Predominantly red shale with thin streaks sandstone, much anhydrite in lower portion.
4601	5406	805	HERMOSA: Upper 2/3 interbedded gray & brown shales and dense limestone. Lower 1/3 dense light gray limestone locally cherty.
5406	5550	144	"A-2": Limestone, gray, dense, locally cherty, locally fossiliferous.
5550	5753	203	PARADOX: Limestone, fragmental, locally very fossiliferous, becoming dolomitic in bottom 1/4.
5753	5790	37	"C41": Interbedded dolomites, limestones & black shales grading downward into anhydrite & salt.

ELECTRIC LOG TOPS
[OVER]

At the end of complete Driller's Log, add Geologic Tops. State whether from Electric Logs or samples.

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 redrilling, 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 tailing.

Spudded well 1-3-58. Drilled & reamed 20" hole to 200'. Set 200' of 16" Spiral Weld Csg. @ 200' w/150 sx cement. Drilled & reamed 15" hole to 515'. Set 493' of 10-3/4" OD, 32.75#, H-40 csg @ 510' w/450 sx cement. Drilled 9" hole to TD of 5790'. Set 5844' (overall) 5 1/2", 15.5# & 11# J-55 csg @ 5786' w/400 sx Pozmix.
CUT 6 CORES - See attached sheets.
NO DRILL STEM TESTS TAKEN.

COMPLETION: TD 5790'. Final PBTD 5768'. Perforated 5728-38' & 5743-52' w/4 holes/ft. Washed perforations w/300 gal MCA, reversed out. Acidized w/3200 gal 15% acid, max press 3900#, min press 400#, injection rate 2.5 bbls/min, 5 min shut in press 300#, flushed w/ 33 bbls oil. Flowed back load oil. Flowed 2 hrs to test tank, recovered 56 bbls oil on 3/8" choke, tbg press 450#. Unseated packer, killed well.

Set bridge plug @ 5719'. Perforated 5674-5715' w/4 holes/ft. Formation taking fluid. Set packer @ 5637', tail pipe @ 5699', swabbed tbg down to 2000', well started to flow. Recovered acid water from previous job in lower perforations. Acidized perforations w/6200 gal 15% acid, max press 1200#, min press 500#, average injection rate 7.5 bbls/min, flushed w/33 bbls oil. Packer @ 5644' & tail pipe @ 5707'. Shut in press 700#, after 5 min 50#. Swabbed 2 1/2 hrs thru tbg, well started to flow. Flowed to pit to clean up then flowed 2 hrs to test tank, recovered 84 bbls oil, grindout 2 1/2% BS, choke 3/8", tbg press 450#. Killed well, pulled tbg & packer, drilled out bridge plug and drove plug to 5774'.

Set cast iron bridge plug @ 5660'. Perforated w/csg jet gun @ 5607', 5626', 5633' & 5640'. Ran tbg & packer to 5643'. Spotted 300 gal MCA across perforations, spotted 15% acid across perforations. Set packer @ 5581'. Acidized with 4000 gal 15% acid, max press 3800#, min press 1200#, average injection rate 4.9 bbls/min. Flushed w/33 bbl oil, shut in press zero. Cleaned up well to pit, flowed additional 8-3/4 hrs on test & recovered 133 bbl oil on 3/8" choke, 2/10% BS, tbg press 450#. Pulled tbg & packer, drilled out bridge plug @ 5660' & drove to 5774'.

Set another bridge plug @ 5598'. Perforated with csg jet gun 5558' to 5583'. Ran tbg w/packer, acidized perforations 5558'-5583' with 300 gal MCA, reversed out. Spotted 15% acid, set packer @ 5518'. Pumped 4000 gal 15% acid thru perforations, max press 600#, min press zero, average injection rate 5.8 bbls/min. Flushed with 34 bbls oil. Flowed acid water to pit. Flowed 6 hrs on test, recovered 161 bbl oil on 3/8" choke, tbg press 525#, grindout 2/10% BS. Pulled tbg & packer, drilled out plug @ 5598' and drove to 5768'. Ran tbg, flowed to clean up and flow tested on 3/8" choke for 4 hrs at rate of 648 bbls oil, no water per day. Tbg press 550#, csg press 25#, GOR 600:1, gravity of oil 40.2° API, thru perforations 5752-43'; 5738-28'; 5715-5674'; 5640-33'; 5626-07' & 5583-58' in Paradox formation.

COMPLETED: 2-19-58.

Utah

CORE NO.	POOL OR UNIT
DEPTH	WELL AND NO.
5475-25	Carter 114 #9
RECOVERY	LOCATION
50'	7-41S-25E
FORMATION	COUNTY
DATE	San Juan
January 28, 1958	STATE
	Utah

- | | |
|------|---|
| 5475 | 1. 5475-76 Siltstone, dark tan to black, very argillaceous, very calcareous, small anhydrite inclusion. |
| 5480 | 2. 5476-77 Limestone, matrix, micro-grained, brown, argillaceous, no visible porosity, no show. |
| 5485 | 3. 5477-78 Limestone, matrix, fine grained, brown, fusulinids. |
| 5490 | 4. 5478-79 Limestone, skeletal with matrix, gray tan, fine to medium grained, no visible porosity, no show. |
| 5495 | 5. 5479-80 As above. |
| | 6. 5480-81 As above, 60% fusulinids. |
| | 7. 5481-82 Limestone, skeletal, fusulinids, brown, medium grained. |
| | 8. 5482-83 Limestone, detrital with matrix, fusulinids, brachiopods, foraminifera, no show. |
| | 9. 5483-84 Limestone, skeletal with matrix, medium grained, brown, argillaceous, slightly silty, fusulinids, no show. |
| | 10. 5484-85 Siltstone, dark tan, very calcareous, argillaceous, slightly fossiliferous, trace chert, blue gray, no show. |
| | 11. 5485-86 Limestone, matrix, micro-grained, light tan, fusulinids, dense. |
| | 12. 5486-87 Limestone, skeletal with matrix, crypto-grained, brown, fusulinid very dense, no visible porosity, no show. |
| | 13. 5487-88 Limestone, detrital with matrix, micro-grained, brown, algal, brachiopods, fusulinids, spines. |
| | 14. 5488-89 Limestone, matrix, micro-grained, brown, dense, no show. |
| | 15. 5489-91 Limestone, detrital with matrix, fine grained, brown, slightly oolitic with matrix, fusulinids, appears reworked. |
| | 16. 5491-92 Limestone, skeletal with matrix, fine to medium grained, fusulinids, brachiopods, crinoids, slightly silty, dense, no show. |

CORE HEAD TYPE & SIZE
DESCRIBED BY
W. J. Ayton

DESCRIPTION

WELL NO.	WELL OR UNIT
1 (cont.)	
RECOVERY	WELL AND NO.
	Carter 114 #9
FORMATION	LOCATION
DATE	COUNTY
	STATE

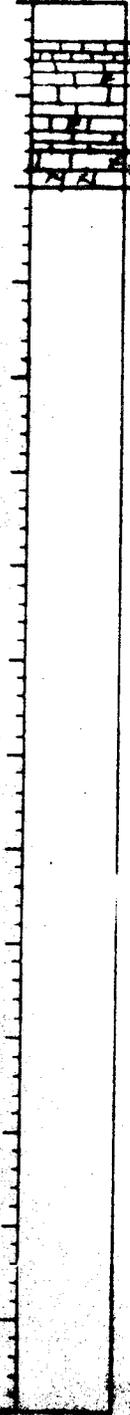
-
- 5490 17. 5492-93 Limestone, detrital with matrix, micro-grained, fusulinids, no show.
 - 5495 18. 5493-94 Limestone, detrital with matrix, fine grained, fusulinids, brachiopods.
 - 5500 19. 5494-97 Limestone, matrix, fine to medium grained, light tan, fusulinids no visible porosity.
 - 5505 20. 5497-98 Limestone, matrix, medium grained, silty, brown, brachiopods, crinoid stems.
 - 5510 21. 5498-99 As above, grading to siltstone, argillaceous.
 - 5515 22. 5499-5500 Limestone, skeletal with matrix, crypto-grained, brachiopods, no visible porosity.
 - 5520 23. 5500-02 Limestone, detrital with matrix, brown, silty, brachiopods, and fusulinids, slight vertical fracture, scattered fair show and trace pinpoint porosity.
 - 24. 5502-03 Limestone, matrix, coarse, light gray, silty, no show.
 - 25. 5503-04 Limestone, as above, with this horizontal shale streak, no show.
 - 26. 5504-08 Limestone, as above, very silty.
 - 27. 5508-09 Limestone, matrix, fine grained, dark gray to tan, very dolomitic, dense, no show.
 - 28. 5509-10 Dolomite, matrix, tan gray, earthy, argillaceous, no show.
 - 29. 5510-11 Limestone, detrital, coarse, tan, brachiopods, fusulinids, small oolites, good pinpoint porosity and spotty stain.
 - 30. 5511-12 Limestone, detrital, fusulinids, light tan in clear matrix, brachiopods, crinoids, fusulinids, algae, streaks pinpoint porosity with slight stain.
 - 31. 5512-17 Limestone, detrital with matrix, light tan to gray, slightly fossiliferous, brachiopods, no visible porosity, no show.

CORE HEAD TYPE & SIZE
DESCRIBED BY
W. J. Ayton

LOG DESCRIPTION

LOG NO.	WELL OR UNIT
31 (cont. page 3)	
RECOVERY	WELL AND NO.
	Navajo 114 #9
FORMATION	LOCATION
DATE	COUNTY
	STATE

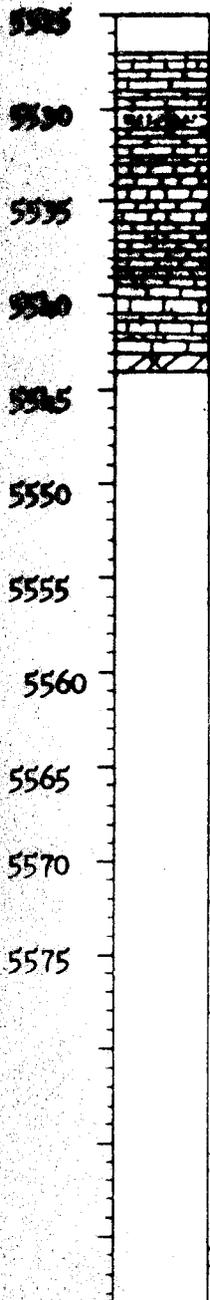
- 5515 32. 5517-18 Limestone, matrix, micro-grained, light tan, brachiopod fragments
- 5520 33. 5518-23 Limestone, detrital, with matrix, light gray, brachiopods, fusulinids, algae, stylolites.
- 5525 34. 5523-25 Limestone, as above, with occasional small anhydrite clusters replacing porosity.



LOG HEAD TYPE & SIZE
LOGGED BY
W. J. Ayton

CAR. 100-1000
CORE DESCRIPTION

DEPTH	WELL OR UNIT
5525-75	Carter 11h #9
LOCATION	7-418-25E
COUNTY	San Juan
STATE	Utah
DATE	January 29, 1958

- 
1. 5525-27 Limestone, detrital with matrix, medium grained, light tan, very calcitic, stylolitic, fusulinids, trace intercrystalline porosity, no show.
 2. 5527-30 Limestone, matrix, fine grained, light tan to gray, scattered fusulinids, no visible porosity, no show.
 3. 5530-31 Siltstone, gray, very calcareous, slightly fossiliferous, foraminifera and fusulinids, no show.
 4. 5531-32 Limestone, matrix, fine grained, medium gray, silty, brachiopods, no visible porosity, no show.
 5. 5532-33 Limestone, detrital with matrix, light tan, medium grained, silty, fusulinids and foraminifera, no show.
 6. 5533-35 Limestone, skeletal with matrix, dark tan, to gray, silty, pyrite, foraminifera, spines, and brachiopods, no visible porosity, no show.
 7. 5535-36 Limestone, skeletal with matrix, fine grained, tan, brachiopods, foraminifera and fusulinids, tight, no show.
 8. 5536-37 Limestone, matrix, micro-grained, light tan, thin calcite veins, dense, no show.
 9. 5537-38 Limestone, detrital with matrix, fine grained, light tan, slightly sandy, tan, chert inclusion.
 10. 5538-39 Limestone, matrix, medium grained, light tan, cherty, occasional brachiopod fragments, no show.
 11. 5539-41 Limestone, matrix, medium gray to brown, dolomitic, argillaceous, dense, slightly silty, no show.
 12. 5541-42 Limestone, as above, with 40% chert.
 13. 5542-43 Limestone, matrix, fine grained, tan, tight, no visible porosity, no show.
 14. 5543-44 Dolomite, matrix, micro-grained, tan to brown, slightly anhydritic, no show.

CORE HEAD TYPE & SIZE
DESCRIBED BY
W. J. Ayton

DESCRIPTION

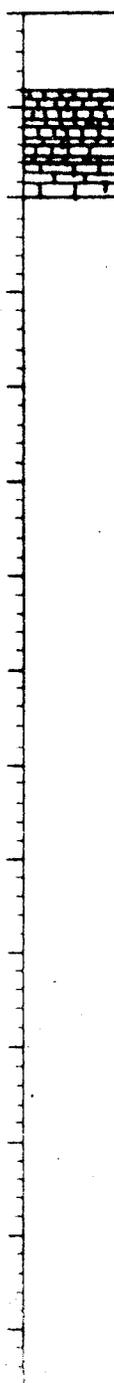
DATE	WELL OR DRIVE
NO. (Cont. page 2)	WELL AND NO.
DATE-75	Carter 114 #9
LOCATION	7-413-25E
COUNTY	San Juan
STATE	Utah
DATE	
January 29, 1958	

-
- 9540 15. 5544-46 Dolomite, matrix, fine grained, earthy, slight odor on break, uneven fluorescence.
 - 9545 16. 5546-47 Dolomite, matrix, medium grained, light gray, slightly calcareous, argillaceous, appears re-worked, trace of intercrystalline porosity, no show.
 - 9550 17. 5547-48 Dolomite, matrix, medium grained, tan to gray, slightly anhydritic poor intercrystalline porosity, no show.
 - 9555 18. 5548-49 Siltstone, very dark gray, very argillaceous, calcareous, well cemented, hard, tight, no show.
 - 9560 19. 5549-54 Shale, black.
 - 9565 20. 5554-55 Limestone, detrital with matrix, micro-grained, dark brown, fusulinids, bryozoa, slight fluorescence in matrix, no visible porosity.
 21. 5555-56 Limestone, matrix, micro-grained, dark brown, dense, no show.
 22. 5556-57 Limestone, skeletal, fine grained, dark brown, foraminifera, fusulinids and algal, no show.
 23. 5557-58 Limestone, matrix, coarse grained, light brown, (oil saturated) good intercrystalline porosity and show.
 24. 5558-61 Limestone, skeletal, fine grained, dark brown, abundant foraminifera, algal, slightly stylolitic, good pinpoint porosity and small vugs - saturated.
 25. 5561-64 Limestone, skeletal, fine grained, light tan, oolitic, slightly fractured, oil show (62-64 heavily fractured).
 26. 5564-66 Limestone, skeletal, medium grained, light tan, foraminifera, fusulinids, oil show.
 27. 5566-68 Limestone, matrix, fine to medium grained, brown, slightly dolomitic, good intercrystalline porosity, slightly dolomitic, good intercrystalline porosity, fractured, oil saturated.
 28. 5568-69 Limestone, skeletal with matrix, fine grained, tan, foraminifera, trace intercrystalline porosity with oil show.

CORE HEAD TYPE & SIZE
DISCOVERED BY
W. J. Ayton

LOG-1026
CORE DESCRIPTION

LOG NO.	WELL OR UNIT
42 (cont. page 3)	
DEPTH	WELL AND NO.
	114 - 9
RECOVERY	LOCATION
FORMATION	COUNTY
STATE	STATE

- 
- 5565 29. 5569-70 Limestone, skeletal, medium grained, dark brown, argillaceous, oolitic, foraminifera, brachiopods, good small vugs, oil saturated.
 - 5570 30. 5570-71 Limestone, ~~matrix~~ skeletal, medium grained, light gray, oolitic, foraminifera, algal, good porosity, oil saturated.
 - 5575 31. 5571-72 Limestone, skeletal as above in matrix, bands of porosity, oil saturated.
 - 32. 5572-73 Limestone, skeletal, with matrix, fine grained, slightly oolitic, foraminifera, bands of porosity, good show.
 - 33. 5573-74 Limestone, matrix, fine to medium grained, dark tan, fusulinids, foraminifera, good porosity, good show.
 - 34. 5574-75 Limestone, matrix, fine grained, light tan, no visible porosity, no show.

CORE HEAD TYPE & SIZE
DESCRIBED BY
W. J. Ayton

CAR-PRO-1028
CORE DESCRIPTION

CORE NO

DEPTH

5575-5625
RECOVERY

50'
FORMATION

DATE

January 30, 1958

PROJECT

LOCALITY

Carter Navajo 114 #9

7-418-25E

SANITARY

STATE

5575

5580

5585

5590



1. 5575-76 Limestone, skeletal, medium grained, tan to white, foraminifera, fusulinids, algal, crinoids, good small vugs, calcite lined, good odor on break saturated.
2. 5576-77 Limestone, skeletal with matrix, fine to medium grained, tan to brown, brachiopod fragments, algal, trace pinpoint porosity with show.
3. 5577-80 Limestone, skeletal with matrix, fine grained, dark tan, abundant micro-fossils, fusulinids, uneven fluorescence, no visible porosity.
4. 5580-81 Limestone, skeletal, micro-grained, tan, to gray, foraminifera, fusulinids, bryozoa, crinoids, algal, brachiopods, stylolitic, no visible porosity.
5. 5581-82 Limestone, skeletal, medium grained, gray, foraminifera, bryozoa, crinoids, vugular saturated.
6. 5582-84 Limestone, skeletal, matrix, medium grained, light tan, occasional small vug, stylolitic, bands of pinpoint porosity.
7. 5584-86 Limestone, matrix, dark tan, fine grained, slightly silty, trace small calcite lined vugs.
8. 5586-87 Limestone, matrix, dark brown, crypto grained, dense, no visible porosity, no show.
9. 5587-88 Limestone, detrital and skeletal with matrix, medium grained, dark brown, foraminifera, brachiopods, no visible porosity, no show.
10. 5588-89 Limestone, skeletal with matrix, dark brown, crypto-crystalline, crinoids, small calcite veins, no visible porosity, no show.
11. 5589-90 Limestone, skeletal and detrital in matrix, medium grained, gray, crinoids, foraminifera, no show.
12. 5590-92 Limestone, matrix, crypto-crystalline, brown, stylolitic, dense, no show.
13. 5592-93 Limestone, skeletal, medium grained, gray brown, crinoids, stylolitic, trace small vugs, no porosity, show.

LOG PRO-1024
CORE DESCRIPTION

LOG NO. #3 (cont. page 2)	POOL OR UNIT
DEPTH	WELL AND NO. Navajo 114 #9
RECOVERY	LOCATION
FORMATION	COUNTY
DATE	STATE

-
- 5590 14. 5593-94 Limestone, matrix, micro-grained, brown, slightly calcatic, dense, no visible porosity.
- 5595 15. 5594-95 Limestone, skeletal with matrix, micro-grained, brown, fusulinids, crinoids, slightly anhydritic, minor fractured planes, no visible porosity
- 5600 16. 5595-96 Limestone, matrix, micro-grained, brown, stylolitic, no visible porosity.
- 5605 17. 5596-97 Limestone, detrital with matrix, dark brown, foraminifera, fusulinids, calcified brachiopods, no visible porosity.
- 5610 18. 5597-98 Limestone, skeletal in matrix, micro-grained, brown, trace pinpoint porosity, stylolitic.
19. 5598-5600 Limestone, skeletal, fine grained, brown, algal, foraminifera, no visible porosity.
20. 5600-01 Limestone, detrital and slightly skeletal, micro-grained, to fine grained, light tan, algal, foraminifera, trace intercrystalline porosity.
21. 5601-02 Limestone, detrital, micro-grained, light tan, algal, foraminifera stylolitic, occasional pinpoint porosity with oil show.
22. 5602-03 Limestone, skeletal, fine grained, light tan, foraminifera, algal, spines, other micro-fossils, dense.
23. 5603-04 Limestone, matrix, fine grained, tan, anhydritic, dense, no visible porosity.
24. 5604-05 Limestone, skeletal, medium grained, tan to cream, abundant fusulinids, no visible porosity.
25. 5605-07 Limestone, skeletal as above with intercrystalline porosity.
26. 5607-09 Dolomite, detrital with matrix, medium grained, brown, fusulinids strong good odor on break, fair intercrystalline porosity,
27. 5609-10 Limestone, matrix, coarse grained, brown, foraminifera, trace intercrystalline porosity with strong good odor on break.

CORE HEAD TYPE & SIZE

RECORDED BY

M. J. Ayton

CAR. PRO. 1838
CORE DESCRIPTION

CORE NO. 21 (cont. page 3)	POOL OR UNIT
DEPTH	WELL AND NO. Navajo 114 #9
RECOVERY	LOCATION
FORMATION	COUNTY
DATE	STATE

- | | | |
|------|-----|--|
| 5610 | 28. | 5610-11 Limestone, detrital in matrix, medium grained, tan, trace intercrystalline porosity, scattered show. |
| 5615 | 29. | 5611-12 As above. |
| 5620 | 30. | 5612-13 Limestone, skeletal, fine grained, brown, foraminifera, coral, good intercrystalline and small vugular porosity, trace chert. |
| 5625 | 31. | 5613-14 Limestone, skeletal, medium grained, brown, oolitic, and slightly pelletoid with matrix. |
| | 32. | 5614-15 Limestone, skeletal with matrix, fine grained to medium grained, brown, foraminifera, fusulinids, no visible porosity, no show. |
| | 33. | 5615-17 Limestone, detrital with matrix, micro-grained to fine grained, cream, fusulinids, algal, slightly fractured, good oil saturation in fair intercrystalline porosity. |
| | 34. | 5617-19 Limestone, skeletal, medium grained, brown, foraminifera and fusulinids and other micro-fossils, excellent small vugular porosity. |
| | 35. | 5619-20 Limestone, skeletal and detrital, micro-grained, light tan, foraminifera and fusulinids, fair intercrystalline porosity, no show. |
| | 36. | 5620-21 Limestone, skeletal, fine grained, tan, foraminifera, fusulinids, spines, excellent small vugular and pinpoint porosity with oil show. |
| | 37. | 5621-22 Limestone, skeletal and detrital, fine grained, tan, excellent pinpoint porosity with show. |
| | 38. | 5622-23 Limestone, skeletal with detrital, fine grained, tan, foraminifera good pinpoint porosity, saturated. |
| | 39. | 5623-25 Limestone, detrital in matrix, fine grained, tan to cream white, fusulinids, good pinpoint porosity. |

CORE HEAD TYPE & SIZE

DESCRIBED BY

W. J. Ayton

CAR-PRO-1030
CORE DESCRIPTION

CORE NO.	WELL OR UNIT
DEPTH	McElmo Creek
5625-5675	WELL AND NO.
RECOVERY	Navajo Tract 114 #9
50'	LOCATION
FORMATION	7-41S-25E
Paradox	COUNTY
DATE	San Juan
January 30, 1958	STATE
	Utah

-
1. 5625-26 Limestone, detrital with matrix, medium crystalline, light tan, foraminifera, stylolitic, no visible porosity.
 2. 5626-27 Limestone, skeletal with matrix, medium crystalline, tan, ostracods, slightly silty, no visible porosity.
 3. 5627-28 As above.
 4. 5628-29 Limestone, skeletal with matrix, fine grained, fusulinids, ostracods, slightly silty, no visible porosity, no show.
 5. 5629-30 Limestone, skeletal with matrix, finely crystalline, foraminifera, fusulinids, brachiopods, spines, no visible porosity.
 6. 5630-32 Limestone, matrix, finely crystalline, with skeletal in matrix, foraminifera, fusulinids, slightly anhydritic, no visible porosity, no show.
 7. 5632-33 Limestone, skeletal in matrix, coarse grained, brown, very stylolitic, fusulinids, no visible porosity.
 8. 5633-34 Limestone, detrital, medium crystalline, light tan to gray, foraminifera, fusulinids, trace intercrystalline porosity.
 9. 5634-35 Dolomite, matrix, coarse grained, brown, slightly calcareous, good intercrystalline porosity, trace pinpoint porosity with show.
 10. 5635-36 Dolomite, as above, with streaks limestone, skeletal in matrix, finely crystalline, reworked brecciated, dolomitized fossils.
 11. 5636-37 Dolomite, matrix, finely crystalline, brown, slightly fractured with oil stain, stylolitic, trace pinpoint porosity.
 12. 5637-38 Limestone, matrix, cryptocrystalline, brown, very stylolitic, crinoids, no visible porosity.
 13. 5638-39 Limestone, as above, slightly anhydritic, brachiopods, dense.
 14. 5639-40 Limestone, detrital in matrix, cryptocrystalline, fusulinids, algal, very dense, no visible porosity, no show.

CORE HEAD TYPE & SIZE
DESCRIBED BY
W. J. Ayton

CALIF. REG. 1538
CORE DESCRIPTION

CORE NO. A (cont.)	POOL OR UNIT
DEPTH	WELL AND NO. Navajo Tract 114 #9
RECOVERY	LOCATION
FORMATION	COUNTY
STATE	STATE

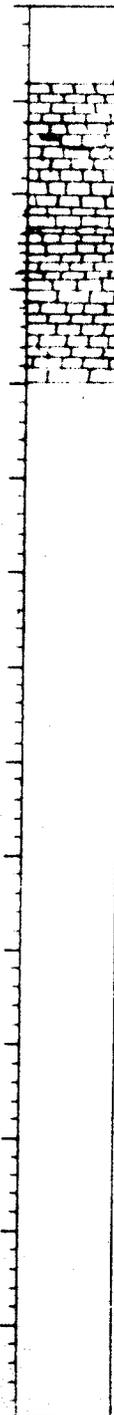
-
- 5640 15. 5640-41 Limestone, matrix, cryptocrystalline, stylolitic, slightly anhydritic.
 - 5645 16. 5641-42 Limestone, detrital and skeletal in matrix, finely crystalline, brachiopods, fusulinids, fair pinpoint porosity.
 - 5650 17. 5642-44 Limestone, skeletal in matrix, medium crystalline, brachiopods, trace pinpoint porosity, stringers of matrix, dolomite.
 - 5655 18. 5644-45 Limestone, matrix, finely crystalline, light gray, streaks of intercrystalline porosity with show.
 - 19. 5645-48 Limestone, detrital in matrix, medium crystalline, good pinpoint porosity with scattered stain.
 - 20. 5648-49 Limestone, skeletal with detrital, finely crystalline, oolites, crinoidal, algae, slightly anhydritic, no show, no visible porosity.
 - 21. 5649-50 Limestone, matrix, in skeletal, medium crystalline, large calcite veins, no visible porosity.
 - 22. 5650-51 Limestone, detrital in matrix, finely crystalline, slightly oolitic, fusulinids, crinoids.
 - 23. 5651-52 Limestone, matrix, cryptocrystalline, light gray, trace skeletal cinoid, fusulinids, very stylolitic, no visible porosity.
 - 24. 5652-53 Limestone, detrital, finely crystalline, light tan, brachiopods, fusulinids, very dense.
 - 25. 5653-55 Limestone, skeletal in matrix, cryptocrystalline, light gray, fusulinids, crinoidal, no visible porosity, no show.
 - 26. 5655-57 Limestone, skeletal, medium crystalline, tan, spines, crinoids, foraminifera, calcareous, trace pinpoint porosity.
 - 27. 5657-58 Limestone, matrix, finely crystalline, light gray, calcitic, no visible porosity, no show.
 - 28. 5658-59 Limestone, detrital in matrix, cryptocrystalline, gray, bryozoa, crinoids.

CORE HEAD TYPE & SIZE
DESCRIBED BY W. J. Ayton

CAR. PRO. 1538
CORE DESCRIPTION

CORE NO. #4 (cont. page 3)	POOL OR UNIT
DEPTH	WELL AND NO. Navajo 114 #9
RECOVERY	LOCATION
FORMATION	COUNTY
DATE	STATE

- | | | |
|------|-----|--|
| 5655 | 29. | 5659-60 Limestone, detrital, cryptocrystalline, light gray, brecciated, dense, no visible porosity, no show. |
| 5660 | 30. | 5660-61 Limestone, skeletal, finely crystalline, cream, fusulinids, brachiopods, excellent small vugs. |
| 5665 | 31. | 5661-63 Limestone, skeletal, finely crystalline, cream, foraminifera, fusulinids, spines, very stylolitic, trace show, good pinpoint porosity. |
| 5670 | 32. | 5663-65 Limestone, skeletal with matrix, cryptocrystalline, light gray, good small vugular and pinpoint porosity. |
| 5675 | 33. | 5665-66 Limestone, skeletal, finely crystalline, tan, spines and brachiopods, fusulinids, no visible porosity. |
| | 34. | 5666-67 Limestone, detrital, medium crystalline, tan, gray, spines, foraminifera, brachiopod fragments, trace pinpoint porosity, scattered show. |
| | 35. | 5667-68 Limestone, as above, with good pinpoint porosity and show. |
| | 36. | 5668-70 Limestone, skeletal, medium crystalline, gray, algal, corraline, fusulinids, large vugs, stylolitic. |
| | 37. | 5670-75 Limestone, skeletal, coarse, light tan, algal, foraminifera, large calcite clusters, good vugular development, oil saturated. |



CORE HEAD TYPE & SIZE
DESCRIBED BY W. J. Ayton

CAR PRO 1438
CORE DESCRIPTION

CORE NO.	POOL OR UNIT
DEPTH #5	McElmo Creek
RECOVERY 5675-5725	WELL AND NO
FORMATION 501	LOCATION Navajo Tract 114 #9
DATE Paradox	COUNTY 7-LLS-25E
	STATE San Juan
January 31, 1958	Utah

- | | | |
|------|--|--|
| 5675 | | 1. 5675-97 Limestone, skeletal, medium crystalline to coarse, cream tan, crinoidal, encrusting algae, foraminiferal, trace oolites, large vugs with bands of limestone, detrital in matrix, light gray, large calcite lined vugs. Oil saturated. |
| 5680 | | 2. 5697-98 Limestone, matrix, with detrital, cryptocrystalline, detrital is crystalline, replacement of brachiopod fragments and foraminifera, small blebs of anhydrite, stylolitic, occasional small vugs. |
| 5685 | | 3. 5698-5701 Limestone, skeletal and slightly detrital, medium crystalline, gray, calcitic, stylolitic, brachiopods, foraminifera, encrusting algae, recrystallized occasional small vugs and pinpoint porosity. |
| 5690 | | 4. 5701-02 Limestone, skeletal in matrix, cryptocrystalline, gray, slightly anhydritic, brachiopods, trace pinpoint porosity. |
| 5695 | | 5. 5702-03 Limestone, skeletal as above, with good pinpoint porosity. |
| 5700 | | 6. 5703-06 Limestone, skeletal and detrital in matrix, skeletal is crypto, detrital is skeletal, gray to light brown, foraminifera, algae, crinoids, slightly anhydritic. |
| 5705 | | 7. 5706-07 Limestone, skeletal with matrix, cryptocrystalline, gray, tight, dense, no visible porosity, occasional oil stain on minor fracture plane with show. |
| 5710 | | 8. 5707-08 Limestone, detrital with matrix, tan cream, algal, brachiopod fragments, small vugs throughout. |
| 5715 | | 9. 5708-10 Limestone, matrix, with detrital, cryptocrystalline, light gray, stylolitic, occasional small vugs with pinpoint porosity, slight bleeding oil and gas. |
| 5720 | | 10. 5710-19 Limestone, as above, with large calcite lined vugs. |
| 5725 | | 11. 5719-20 Limestone, detrital with matrix, slightly skeletal, fine to medium crystalline, gray, fair intercrystalline porosity. |
| | | 12. 5720-23 Limestone, skeletal, coarse, tan gray, brecciated, dolomitic streaks, anhydritic, brachiopods, crinoids, scattered uneven show. |

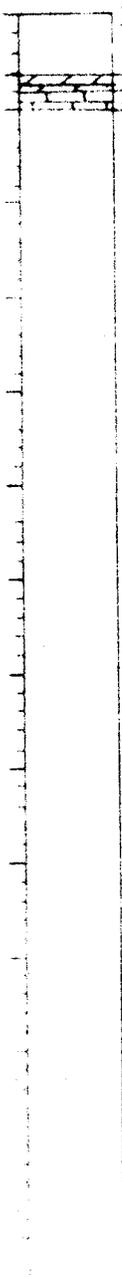
CORE HEAD TYPE & SIZE
DESCRIBED BY W. J. Ayton

CAR. PRO. 1438
CORE DESCRIPTION

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

Navajo Tract 114 #9

5720
5725



- 13. 5723-24 Dolomite, matrix, dark gray brown, finely crystalline, calcareous, very argillaceous, slightly fractured.
- 14. 5724-25 Limestone, skeletal in matrix, cream, foraminifera, slightly dolomitic, no visible porosity.

CORE HEAD TYPE & SIZE

DATE

BY

	WELL OR DRIFT
	McElmo Creek
5725-5755	WELL AND NO.
	Navajo Tract 114 #9
21'	LOCATION
Paradox	7-118-25E
BASE	COUNTY
	San Juan
February 2, 1958	STATE
	Utah

- 
1. 5725-26 Dolomite, matrix, fine to medium grained, brown with black, streaks, argillaceous, fair intercrystalline porosity.
 2. 5726-29 Dolomite, matrix, medium gray brown, slightly calcareous, slightly anhydritic.
 3. 5729-32 Dolomite, matrix, fine grained, brown, slightly argillaceous, fair pinpoint porosity, scattered fluorescence, appear wet, anhydritic.
 4. 5732-33 Limestone, matrix, medium crystalline, gray, dolomite reworked brecciated, no visible porosity.
 5. 5733-36 Limestone, skeletal, medium crystalline, light tan, fusulinids, oolites, crinoidal, trace intercrystalline porosity.
 6. 5736-37 Dolomite, matrix, as above, interbedded with limestone, matrix, tan, ~~xxx~~ coarse, dolomitic, trace intercrystalline porosity.
 7. 5737-38 Dolomite and Limestone, as above, with large anhydritic crystals.
 8. 5738-39 Limestone, skeletal with matrix, medium crystalline, light tan, brecciated, dolomitic, fusulinids.
 9. 5739-41 Dolomite, matrix, medium grained, gray, trace intercrystalline porosity.
 10. 5741-42 Limestone, matrix, medium grained, light gray, very dolomitic, argillaceous, fair intercrystalline porosity.
 11. 5742-43 Dolomite, matrix, coarse grained, very calcareous, anhydritic, dense, no visible porosity, no show.
 12. 5743-44 Dolomite, matrix, fine grained, slightly calcareous, argillaceous, appears wet, no visible porosity.
 13. 5744-46 Dolomite, as above, very anhydritic.

CORE HEAD TYPE & SIZE
DESCRIBED BY
W. J. Ayton

McELMO CREEK UNIT #L-17
 660' FNL, 1980' FEL
 NW NE Sec. 7, T41S, R25E
 San Juan County, UTAH

WATER INJECTION WELL

FIELD: McELMO CREEK

KB: 4806' DF: 4805' GL: 4798' TD: 5790' PBSD: 5730' TLD: 7.00'
 TOC: 5071'

SPUDDED: 1-3-58 COMPLETED: 2-19-58

INJECTION ZONE: DESERT CREEK - Selective Injection into Zones I & II

PERFS: 5560-82', 5607-25', 5634-40', 5683-5717' (1 Jet/ft.)

CASING: 16" 53.1# Spiral Weld w/150 Sx. 190'
 10-3/4" 32.75# H-40 8R ST&C w/450 Sx. 16 Jts. 496'
 5 1/2" 14 & 15.5# J-55 8R ST&C w/200 Sx. 180 Jts. 5786'

TUBING: 2-7/8" 6.5# J-55 8R EUE w/Plasticap 600 Liner to 5500'. Below
 this is 2-3/8" J-55 8R R-2 plain to 5701'.

PACKERS: Lok-Set @ 5658', AR-1 @ 5507'.

PMPG. EQUIP: Injection Equipment

REMARKS: A 1.81" Baker 'D' Ported Nipple is @ 5649', and a 1.78" Baker
 'D' Ported Nipple is @ 5693'.

WELL HEAD: 6" Cameron Type 'F'.

2-58 Perfd 5752-43', 5738-28', 5715-5674', 5640-33', 5626-07', and
 5583-58' w/4 Jets/ft. Acidized w/15% acid.

9-22-62 Converted to water injection.

10/23-30/69 Squeezed all perfs. Perfd 5674-78', acidized, squeezed. Perfd
 5560-82', 5607-25', 5634-40-, treated w/12,000 gals. 28% acid.
 Max. pressure 3200#, ISIP 2450#. Perfd 5683-5717', treated
 w/6,000 gals. 28% acid. Max pressure 4600#, on vac in 3 mins.

4-30-71 Replaced 4 joints of tubing.

7-12-72 Replaced 1 joint of tubing.

INITIAL WELL TEST

McELMO CREEK UNIT # L-17

DATE February 1, 1958

OIL BBL/DAY 684

OIL GRAVITY 40.2

GAS CU.FT/DAY 410,000/CF

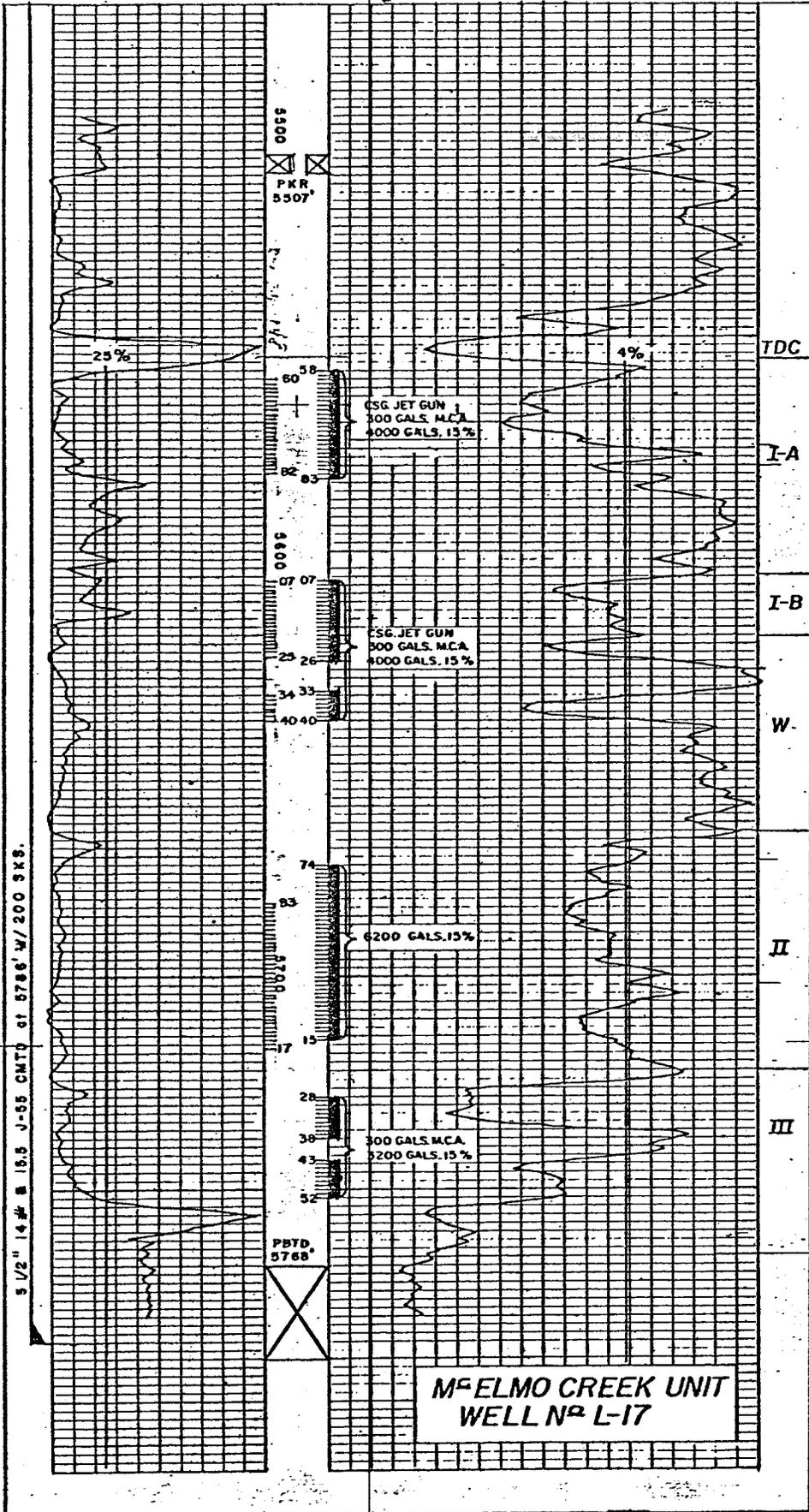
GAS-OIL RATIO CU/FT/BBL 600

WATER BBL/DAY 0

PUMPING/FLOWING F

CHOKE SIZE 24/64

FLOW TUBING PRESSURE 550



10-23-69 Squeezed all perf's 5558-5752' W/500 sks. cmt. drld out 5405'
Perfed 5674-78' Treated W/400 gal 28% acid, squeezed W/43 sks cmt. Drld out to 5730'
Perfed 5560-82', 5607-25', 5634-40' Treated W/12,500 gals 28% acid, W/2-500 gal salt plugs.
Perfed 5683-5717', Treated W/6,500 gals 28% acid W/1-750 gal salt plug. Dual Injector,

**McELMO CREEK UNIT
THE SUPERIOR OIL CO. OPERATOR**

NW NE SEC. 7, T41S, R25E. REV: 1-8-70.
SAN JUAN COUNTY, UTAH.
ELEV. 4806 K.B. T.D. 5790'

Well No. L-17

McElmo Creek Unit

ATTACHMENT I

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

(a) Well Data Sheets.

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

i. The average intervening thickness is 4000' between the existing injection interval and the deepest fresh water sand.

ii. Maximum Surface Pressure: 2800 psig.
Maximum Rate: 4000 BWPD.

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

(5)

(i) A throttling valve is installed on the wellhead to control injection rates and pressures.

(ii) The source of injection water is Superior's production wells within the McElmo Creek Unit. The wells produce from the Ismay and Desert Creek formations with approximate depths of 5300' and 5460' respectively.

(iii) The analysis of injection water is as follows: (as parts per million).

PH: 6.5	Ca: 13770 ppm	SO4: 25 ppm
CL: 16700 ppm	Mg: 11421 ppm	H2S: 30 ppm
Fe: 3 ppm	HC03: 109.8 ppm	Ba: -
CaC03: 18470 ppm	C03: -	Specific Gravity: 1.0553

McElmo Creek Unit

(5) Cont.

(iv) The injection zones are the Ismay and Desert Creek formations. Both zones are carbonate formations consisting of limestone, anhydrite and dolomite. The formations extend throughout the Paradox Basin and are underlain by the Chimney Rock Shale and are overlain by the Hermosa Limestone.

(v) Fresh water zones (Morrison, Bluff, Entrada) range from 0 to 1300' with Entrada being the deepest and somewhat saline.

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

PH: 6.6	Ca: 17410 ppm	SO4: 33 ppm
CL: 34800 ppm	Mg: 11518 ppm	H2S: 10 ppm
Fe: 1.5 ppm	HCO3: 48.8 ppm	Ba: -
CaCO3: 22150 ppm	CO3: -	Specific Gravity: 1.0902

(6) To assure that injection is confined to intervals intended to receive the disposed water, wireline diagnostic surveys are run periodically to determine whether any escapement is taking place. If such information is discovered, the disposal well will be shut-in until proper measure can be taken. Casing pressure readings are made regularly to verify that no tubing or packer leaks have developed. If such leaks develop, the well will be shut-in until proper repairs can be made.

(7) N/A.

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

(9) N/A.

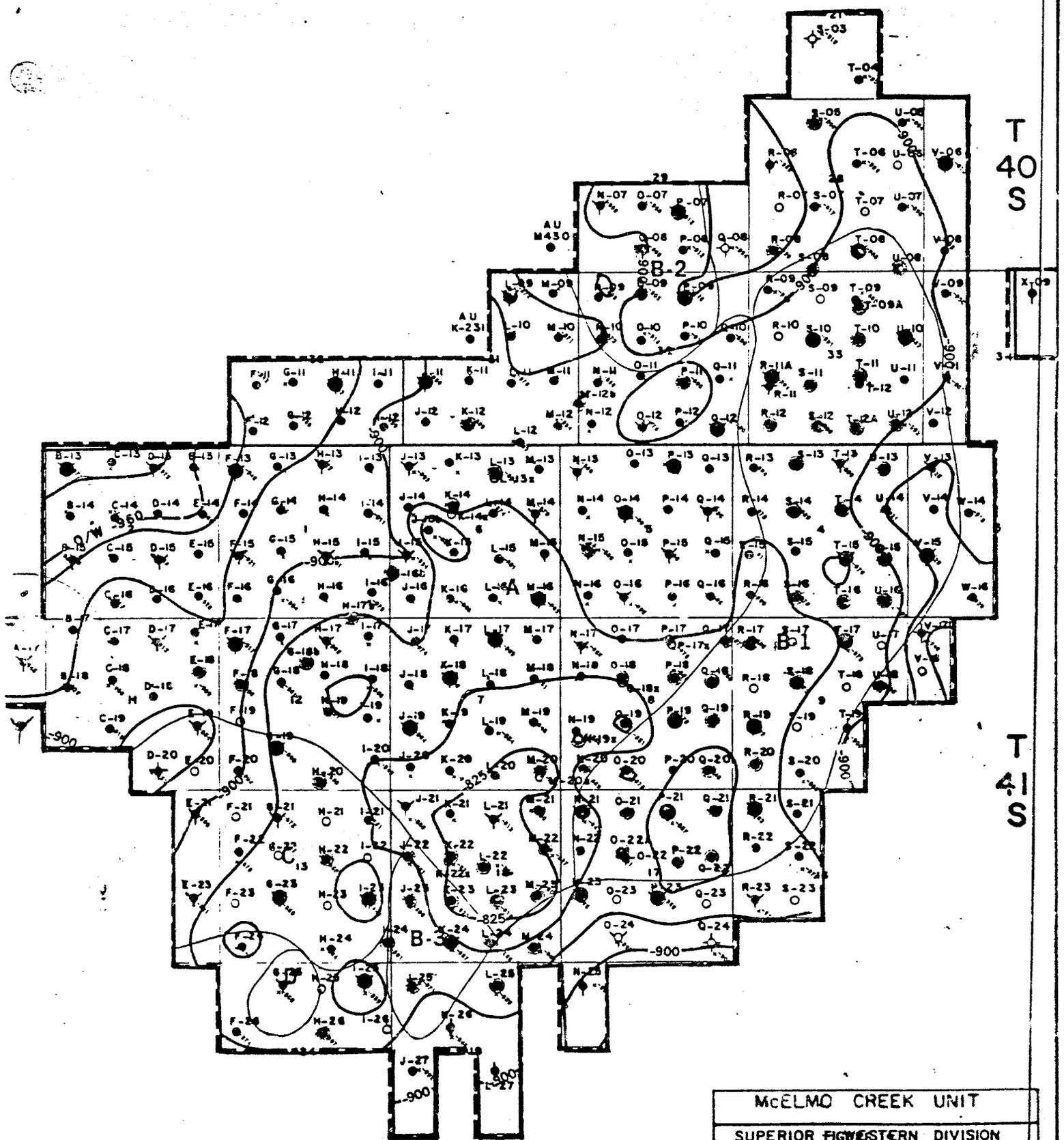
(10) N/A.

R24E

R25E

T 40 S

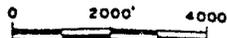
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LEGEND

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

O/W CONTACT -960



McELMO CREEK UNIT

SUPERIOR OIL WESTERN DIVISION

McELMO CREEK UNIT
SAN JUAN COUNTY, UTAH

SUPERIOR OIL WESTERN DIVISION

~~DESTRUCTURED~~
BY TOP OF

DESERT CREEK LIMESTONE, DEL
DATE: 4-14-73 JUNE 2 DRAWING NO.

BY:	SCALE:
DATE:	C.I.: 25ft.
CHECKED:	DRAWN BY:

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

Operator: Superior Well No. Mc Elroy Creek Unit L17
 County: San Juan T 41S R 25E Sec. 7 API# 43-037-16360
 New Well ___ Conversion ___ Disposal Well ___ Enhanced Recovery Well X

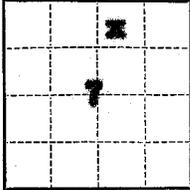
	<u>YES</u>	<u>NO</u>
UIC Forms Completed	<u>✓</u>	___
Plat including Surface Owners, Leaseholders, and wells of available record	<u>✓</u>	___
Schematic Diagram	<u>✓</u>	___
Fracture Information	___	<u>✓</u>
Pressure and Rate Control	<u>✓</u>	___
Adequate Geologic Information	<u>✓</u>	___
Fluid Source	___	<u>Desert Creek - Jerry</u>
Analysis of Injection Fluid	Yes <u>✓</u> No ___ TDS <u>60,000+</u>	
Analysis of Water in Formation to be injected into	Yes <u>✓</u> No ___ TDS <u>70,000+</u>	
Known USDW in area	<u>Navajo - Wingate</u> Depth <u>1300</u>	
Number of wells in area of review	<u>4</u> Prod. <u>5</u> P&A <u>0</u>	
	Water <u>0</u> Inj. <u>4</u>	
Aquifer Exemption	Yes ___ NA <u>✓</u>	
Mechanical Integrity Test	Yes ___ No <u>✓</u>	
	Date ___ Type ___	

Comments: _____

Reviewed by: [Signature]

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-20-603-263

SUNDRY NOTICES AND REPORTS ON WELLS

71-H
4-20

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		Casing Record	X

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

April 10, 1959

Navajo Tract 11h
Well No. 9 is located 660 ft. from N line and 1980 ft. from E line of sec. 7
NW 1/4 Section 7 41S 25E 51M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
McElroy Creek San Juan Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 4805 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)

- Set 16" casing @ 200', cemented with 150 sacks cement.
- Set 10-3/4" casing @ 510', cemented with 150 sacks cement.
- Set 5-1/2" casing @ 5786', cemented with 200 sacks cement.

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 3082

Durango, Colorado

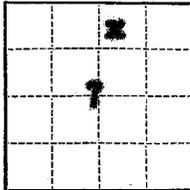
By **COPY (ORIGINAL SIGNED) B. M. BRADLEY**

Title Dist. Supt.

Handwritten mark

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. 11-20-603-263

71-H
4-14

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	<input checked="" type="checkbox"/>
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)

April 10, 19 59

Navajo Tract 114
Well No. 9 is located 660 ft. from N line and 1980 ft. from E line of sec. 7
NW NE Section 7 41S 25E SLM
(1/4 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 4805 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)

Perf. 5728-38' & 5743-52' w/4 shots/ft. Washed perf. w/300 gal. MCA, reversed out, acidized w/3200 gal. 15% reg. acid. Flowed on 2 hr. test for 56 b.o. Killed well, set bridge plug @ 5719', perf. 5674-5715' w/4 shots/ft. Acidized perf. w/6200 gal. 15% reg. acid, swabbed to make flow. Flowed on 2 hr. test for 84 b.o. Killed well, drilled out plug @ 5719', drove to 5774'. Set bridge plug @ 5660', perf. w/csg. jet gun @ 5607', 5626', 5633' & 5640'. Spotted 300 gal. MCA across perf., acidized w/4000 gal. reg. 15% acid, flowed 8-3/4 hrs. for 133 b.o. Killed well, drilled out plug @ 5660', drove to 5774'. Set bridge plug @ 5598', perf. with csg. jet gun 5558-83', spotted 300 gal. MCA across perf., reversed out. Acidized w/4000 gal. reg. 15% acid, flowed 6 hours on test, rec. 166 b.o. Killed well, drilled out plug @ 5598', drove to 5768'. Completed as oil well on 2-19-58, flowed on 1/2 hour test at rate of 648 b.o.p.d.

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 3082

Durango, Colorado

By COPY (ORIGINAL SIGNED) B. M. BRADLEY

Title Dist. Supt.

Copy N.L.C.

PMB
7

		X
	17	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

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		<u>Supp. Report of Conversion to Injection Well.</u>	X

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

114-9

Humble

October 9, 1962

McElmo Creek Unit
Well No. 17 is located 660 ft. from N line and 1980 ft. from E line of sec. 7

NW NE Sec. 47 (1/4 Sec. and Sec. No.) 41S (Twp.) 25E (Range) SLR&M (Meridian)
Greater Aneth (Field) San Juan (County or Subdivision) Utah (State or Territory)

The elevation ~~of the center of the well~~ above sea level is 4306 ft. K.B.

DETAILS OF WORK

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

9-22-62: Ran Baker Model 'N' Production Packer to 5507' on 2 1/2" cement lined tbg.
Filled annulus w/lease crude and pressured casing to 600f.

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

Company The Superior Oil Company

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-263

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek Unit

8. FARM OR LEASE NAME

McElmo Creek Unit

9. WELL NO.

MCU #1-17

10. FIELD AND POOL, OR WILDCAT

McElmo Creek Field

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

NW NE Sec. 17, T41S, R25E

12. COUNTY OR PARISH 13. STATE

San Juan Cty. Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.

OIL WELL GAS WELL OTHER

Water Injection Well

2. NAME OF OPERATOR

The Superior Oil Company

3. ADDRESS OF OPERATOR

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

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

At surface

660' FNL & 1980' FEL, Sec. 17, T41S, R25E

14. PERMIT NO.

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

4806' KB

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Notice of Intention to:

Squeeze all perfs 5558' to 5752' with 500 sacks Class 'C' Cement.

Drill out to 5685'.

Perf 5674-78' with 2 jets/ft, treat with 500 gal 15% acid and squeeze with 100 sacks Class 'C' Cement.

Drill out to 5730'.

Perf 5560-82', 5607-25', 5634-40' with 1 jet/ft and treat with 500 gal 28% acid.

Frac perfs 5560-5640' with 10,000 gal water.

Treat with 12,000 gal 28% acid in three equal stages with 500 gal salt plugs between stages.

Perf 5683-5717' with one jet per ft. Spot and displace 500 gal 28% acid.

Reset packer and treat perfs 5683-5717' with 6000 gal 28% acid in two stages with 750 gal salt plug between stages.

Run 2-1/2" cement lined tubing with Baker Flow Regulators set at 5685' and 5700'.

Set packer at 5657', Baker ported nipple at 5570' and compression packer at 5500'.

Return well to metered injection.

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

SIGNED

D. D. Kingman
D. D. Kingman

TITLE

District Engineer

DATE 9/11/69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OGC/nh

*See Instructions on Reverse Side

cc: State, USGS, Franques, Broussard, File

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN ENCASE*
(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

McElmo Creek Unit

9. WELL NO.

MCU #L-17

10. FIELD AND POOL, OR WILDCAT

McElmo Creek Field

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

NW/4 NE/4
Sec. 37, T41S, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL GAS WELL OTHER Water Injection Well

2. NAME OF OPERATOR

The Superior Oil Company

3. ADDRESS OF OPERATOR

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

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

660' FNL and 1980' FEL, Section 17, T41S, R25E

14. PERMIT NO.

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

4806' KB

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

- 10/23/69 Squeezed all perms 5558-5752' with 500 sacks Class 'C' Cement.
- 10/25/69 Drilled out to 5405'.
- 10/27/69 Perf'd 5674-78' with 2 jets per ft. Treated with 400 gal 28% acid and squeezed with 43 sacks cement.
- 10/28/69 Drilled out to 5730'.
- 10/29/69 Zone I Stimulation
Perf'd intervals 5560-82, 5607-25 and 5634-40' with one jet per ft. Treated perms 5560-5640' with 500 gal 28% acid. Formation broke down at 3200 psi. Frac'd with 10,000 gal water with 5200 psi at 8 BPM. Treated with 12,000 gal 28% acid in 3 equal stages with 500 gal salt plugs between stages and flushed with water. ISIP - 2450 psi. 15 min SIP - 1650 psi.
- 10/30/69 Zone II Stimulation
Perf'd 5683-5717' with one jet per ft. Treated with 500 gal 28% acid. Displaced into formation with water. Treated with 6,000 gal 28% acid in two stages with 750 gal salt plug between. Flushed with water. Max. pressure 4600 psi. 0 psi in three min.
- 11/1/69 Installed down hole flow regulators for selective injection into Desert Creek Zones I and II.

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

SIGNED

D. D. Kingman
D. D. Kingman

TITLE

District Engineer

DATE

12/1/69

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

OGC/nh

*See Instructions on Reverse Side

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

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	TWNSHP	RNG	WELL TYPE	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
MC ELMO CREEK	I-23	SAN JUAN	UT	NE	SE	13-41S-24E	INJ OP	43-037-16352	14-20-603-370		96-004190
	I-25	SAN JUAN	UT	NE	NE	24-41S-24E	INJ OP	43-037-16353	14-20-603-370		96-004190
	J-11	SAN JUAN	UT	NW	SW	31-40S-25E	INJ OP	43-037-16354	14-20-603-372		96-004190
	J-13	SAN JUAN	UT	NW	NW	06-41S-25E	INJ OP	43-037-16355	14-20-603-372		96-004190
	J-15	SAN JUAN	UT	NW	SW	06-41S-25E	INJ OP	43-037-15954	14-20-603-372		96-004190
	J-17	SAN JUAN	UT	NW	NW	07-41S-25E	INJ OP	43-037-05595	14-20-603-263		96-004190
	J-19	SAN JUAN	UT	NW	SW	07-41S-25E	INJ OP	43-037-05550	14-20-603-263		96-004190
	J-21	SAN JUAN	UT	NW	NW	18-41S-25E	INJ OP	43-037-06547	14-20-603-263		96-004190
	K-14	SAN JUAN	UT	SE	NW	06-41S-25E	INJ OP	43-037-15956	14-20-603-372		96-004190
	K-18	SAN JUAN	UT	SE	NW	07-41S-25E	INJ OP	43-037-05583	14-20-603-263		96-004190
	K-20	SAN JUAN	UT	SE	SW	07-41S-25E	INJ OP	43-037-15503	14-20-603-263		96-004190
	K-22	SAN JUAN	UT	SE	NW	18-41S-25E	INJ OP	43-037-15504	14-20-603-263		96-004190
	K-22X	SAN JUAN	UT	SE	NW	18-41S-25E	INJ OP	43-037-30400	14-20-603-263		96-004190
	K-24	SAN JUAN	UT	SE	SW	18-41S-25E	INJ OP	43-037-05406	14-20-603-263		96-004190
	L-09	SAN JUAN	UT	NW	NE	31-40S-25E	INJ OP	43-037-16359	14-20-603-372		96-004190
	L-11	SAN JUAN	UT	NW	SE	31-40S-25E	INJ OP	43-037-15958	14-20-603-372		96-004190
	L-13	SAN JUAN	UT	NW	NE	06-41S-25E	INJ OP	43-037-15959	14-20-603-372		96-004190
	L-15	SAN JUAN	UT	NW	SE	06-41S-25E	INJ OP	43-037-15960	14-20-603-372		96-004190
	L-17	SAN JUAN	UT	NW	NE	07-41S-25E	INJ OP	43-037-05613	14-20-603-263		96-004190
	L-19	SAN JUAN	UT	NW	SE	07-41S-25E	INJ OP	43-037-05539	14-20-603-263		96-004190
	L-21	SAN JUAN	UT	NW	NE	18-41S-25E	INJ OP	43-037-05471	14-20-603-263		96-004190
	L-23	SAN JUAN	UT	NE	SE	18-41S-25E	INJ OP	43-037-15507	14-20-603-263		96-004190
	L-25	SAN JUAN	UT	NW	NE	19-41S-25E	INJ OP	43-037-15508	14-20-603-264		96-004190
	M-12	SAN JUAN	UT	SE	SE	31-40S-25E	INJ OP	43-037-15962	14-20-603-372		96-004190
	M-14	SAN JUAN	UT	SE	NE	06-41S-25E	INJ OP	43-037-15963	14-20-603-372		96-004190
	M-16	SAN JUAN	UT	SE	SE	06-41S-25E	INJ OP	43-037-15361	14-20-603-372		96-004190
	M-18	SAN JUAN	UT	SE	NE	07-41S-25E	INJ OP	43-037-15510	14-20-603-263		96-004190
	M-20	SAN JUAN	UT	SE	SE	07-41S-25E	INJ OP	43-037-15511	14-20-603-263		96-004190
	N-07	SAN JUAN	UT	NE	SW	29-40S-25E	INJ OP	43-037-05819	I-149-IND-8839-A		96-004190
	N-09	SAN JUAN	UT	NW	NW	32-40S-25E	INJ OP	43-037-15964	14-20-603-372		96-004190

Converted 1962 ✓

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

OPERATOR: M E P N A

FIELD: Greater Aneth LEASE: Melmo Creek

WELL # L-17 (Navajo Tr. 114-9) SEC. 7 TOWNSHIP 41S RANGE 25E

STATE FED. FEE DEPTH 5790 TYPE WELL INSW MAX. INJ. PRESS. 2800 psi
PBTD 5730 Water Inflow Log 10/10/85 4000 BHPD

TEST DATE 9/9/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>16"</u>	<u>190'</u>	<u>150 SX</u>	<u>0#</u>		
<u>INTERMEDIATE</u>	<u>10 3/4"</u>	<u>496'</u>	<u>450 SX</u>	<u>0#</u>		
<u>PRODUCTION</u>	<u>5 1/2"</u>	<u>5786'</u>	<u>200 SX</u>			
<u>TUBING</u>	<u>2 7/8</u>			<u>1750#</u>		

*Log Set at 5658
AR-1 at 5507*

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.
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.
L-17

9. API Well No.
43-037-16360

10. Field and Pool, or Exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN, UTAH

SUBMIT IN TRIPLICATE JUL 23 1990

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

DIVISION OF
OIL, GAS & MINING

2. Name of Operator
MOBIL OIL CORPORATION

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

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

660' FN L & 1980' FEL, SEC. 27, T41S, R25E

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

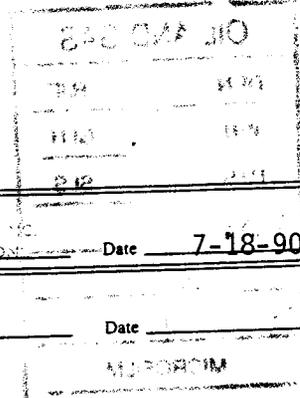
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/>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

CONVERSION TO CO₂

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

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

- 5-30-90 MIRU POOL. REL PKR..
- 5-31-90 POOH W?TBG. RIH W/BIT & SCRAPPER.
- 6-01-90 ACDZ W/5100 GALS 15% HCL W/2 DIVERTER PLUGS.
- 6-02-90 SET INVERTED PKR @ 5518-5511.
- 6-05-90 POOH W/2 7/8" WORK STRING
- 6-06-90 RIH W?176 JTS TBG.
- 6-07-90 TEST PKR & ANN 500#. RD & REL. POOL UNIT. CONVERSION MADE FOR CO₂



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

Signed Shuley Dora (915)688-2585

Title 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 _____

APPROVED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and wulfully 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 TRIBEAL

7. If Unit or CA, Agreement Designation

MCEIMO CREEK UNIT

8. Well Name and No.

L-17

9. API Well No.

43-037-16360

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.

P.O. BOX 633, MIDLAND, TX 79702

(915)688-2585

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

660' FNL, 1980' FEL SEC.7, T41S, R25E

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

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

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

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

SEE ATTACHMENT

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

FFR 2 2 1994

DATE: 2-24-94
BY: [Signature]

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

Signed Shirley Todd SHIRLEY TODD

Title ENR. & REG. TECH.

Date 2-16-94

(This space for Federal or State office use)

Approved by Federal Approval of this
Conditions of approval, if action is Necessary

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

McElmo Creek Unit L-17
Workover Procedure

1. Dig, line and fence a 100+ bbl earth pitor 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 airpacs, 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 water injection line. Lay flow line from wing valve to a choke manifold having two adjustable chokes. Lay flowline from choke manifold to earth pit or flat bottom tank. Stake and chain flowline down. PT coiled tubing to 6000 psi using injection water.
2. RIH with 1-1/4" coiled tubing with perforation wash nozzle and CO to PBD at 5665' using injection water at maximum circulating rate at maximum circulating pressure of 5000 psi. Spot 5 bbls of xylene across perforations. POH. If unable to CO fill using injection water, attempt to clean out fill using 10 bbl of 15 percent HCL acid containing 2 gals/mgals corrosion inhibitor, and 10 lbs/mgals iron sequestering agent, neutralizing any unspent acid that returns to pit or 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 Schlumberger Enerjet perforating guns loaded at 6 SPF, 0 degree phasing and perforate 5606'-5640', 5560'-5582', and 5540'-5550'. 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 and displace xylene with fresh water. 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, and 10 lbs/mgals iron sequestering agent. Pump rate should be maximum injection rate at 5000 psi surface injection pressure. Overdisplace acid using fresh water. POH. RDMO coiled tubing unit and all surface equipment.
5. Pump out tank or pit and backfill as necessary. Turn well over to production leaving well shut in.

FOR _____

JOB OR AUTH. NO. _____

LOCATION _____

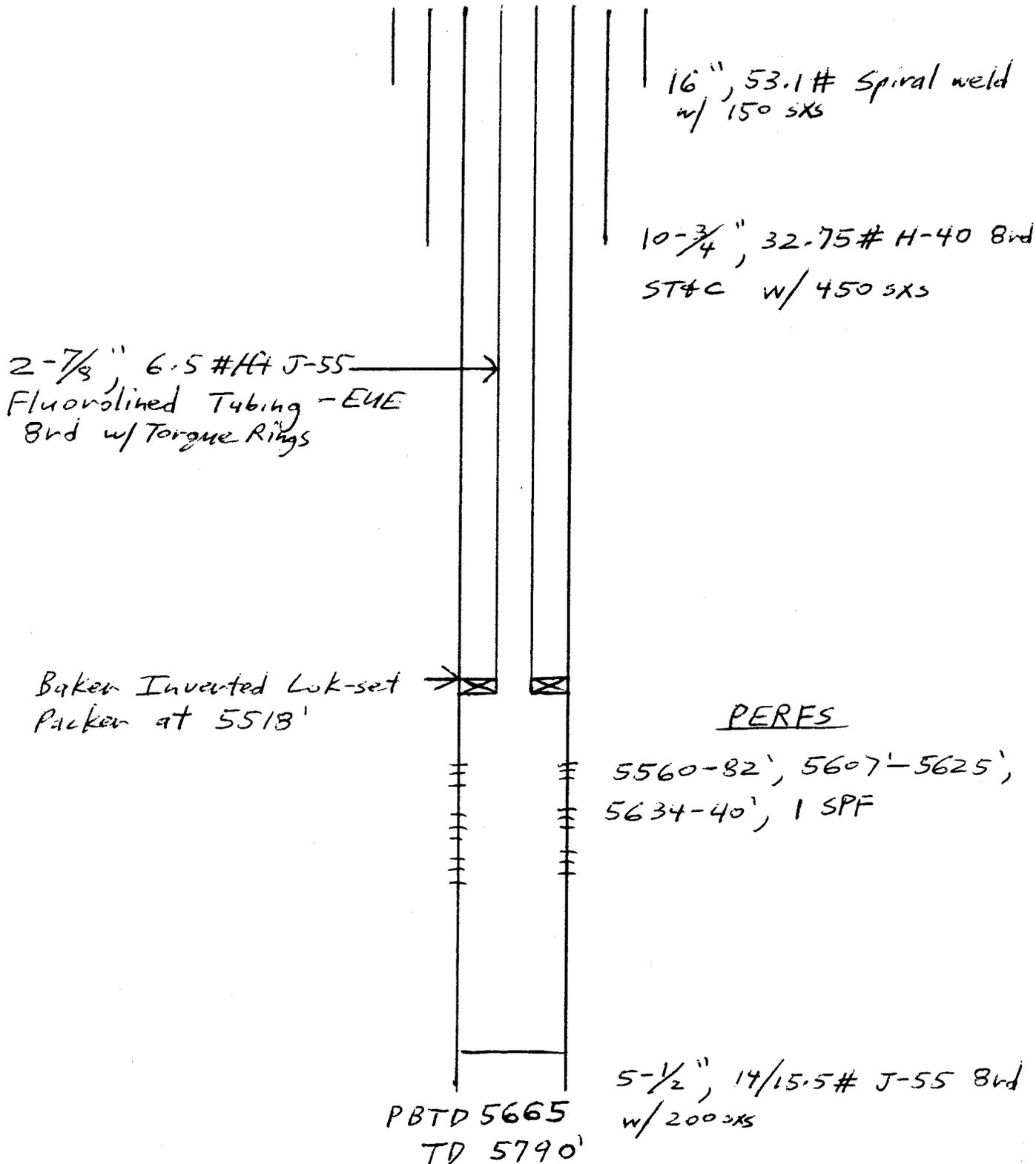
PAGE _____

SUBJECT McElmo Creek Unit L-17

DATE 15/FEB/94

BY S.S. MURPHY

EXISTING



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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 L-17

9. API Well No.
43-037-16360

10. Field and Pool, or exploratory Area
GREATER ANETH

11. County or Parish, State
SAN JUAN UT

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

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

3. Address and Telephone No.

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

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

660' FNL, 1980' FEL, SEC 7, T41S, R25E

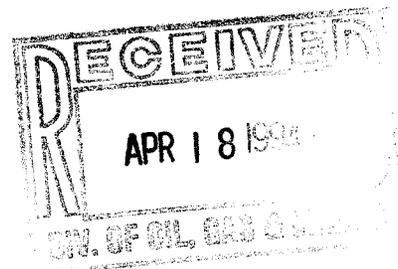
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

03/30/94 MIRU. PERF 5.5" CSG W/6 JSPF @ 5606-40, 5560-82, 5540-50. RDMO.



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

Signed [Signature] Title ENV. & REG. TECHNICIAN Date 04/13/94

(This space for Federal or State office use)

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

Conditions of approval, if any:

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

Use "APPLICATION FOR PERMIT -" for such proposals

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

6. If Indian, Allottee or Tribe Name
NAVAJO TRIBAL

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

8. Well Name and No.

MCELMO CREEK UN L-17

2. Name of Operator

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

9. API Well No.

43-037-16360

3. Address and Telephone No.

P. O. 633, MIDLAND, TX 79702

(915) 688-2585

10. Field and Pool, or exploratory Area
GREATER ANETH

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

660' FNL, 1980' FEL, SEC 7, T41S, R25E

11. County or Parish, State

SAN JUAN

UT

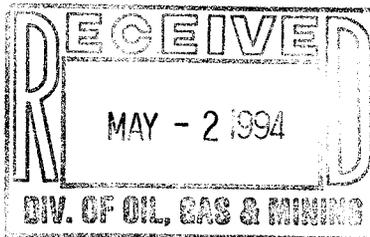
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

4/22/94 MIRU. TAG PBTD. SPOT XYLENE AND WAIT 1 HR, ACIDIZE PERFS W/132 BBLS 15% HCL ACID. TURNED TO PRODUCTION. RDMO.



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

Signed

Shirley Dodd

Title

ENV. & REG. TECHNICIAN

Date

04/26/94

(This space for Federal or State office use)

Approved by

Title

Date

for credit
8/8/94

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.

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

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

Routing	
1- <u>VLC</u>	7- <u>PL</u>
2- <u>LWP</u>	8- <u>SJ</u>
3- <u>DT</u>	9- <u>FILE</u>
4- <u>VLC</u>	
5- <u>RJF</u>	
6- <u>LWP</u>	

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>037-16360</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

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

ENTITY REVIEW

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

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

- N/A/ Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ____ 2. A copy of this form has been placed in the new and former operators' bond files.
- ____ 3. The former operator has requested a release of liability from their bond (yes/no) ____ . 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 UIC F5/Not necessary!

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

June 27, 2001

ExxonMobil
Production

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

Change of Name – Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Mr. Thompson

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

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

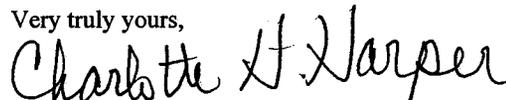
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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

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

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

Very truly yours,



Charlotte H. Harper
Permitting Supervisor

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

RECEIVED

JUL 27 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,

GENNA DENETSONE

Regional Realty Officer

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

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

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

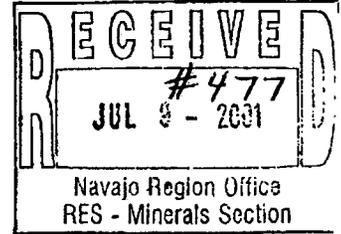
File
593
JN
7/12/2001

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.

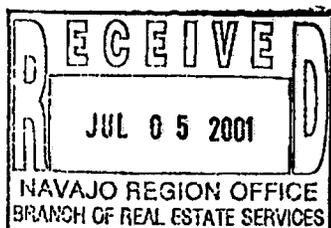
If you have any questions , please contact Alex Correa at (713) 431-1012.

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 Issa

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

Gentlemen:

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

OFFICERS

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

DIRECTORS

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

Sincerely,

Alex Correa

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



Signature

AGENT AND ATTORNEY IN FACT

Title

CERTIFICATION

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

CHANGE OF COMPANY NAME

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

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

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

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

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

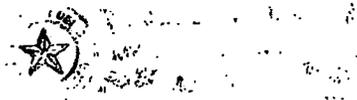
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Miller
Assistant Secretary

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

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

Janice M. Phillips
Notary Public



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

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

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

1000 West Loop South, Suite 1900, Houston, Texas 77027-3337
Telephone: (713) 297-4600 • Facsimile: (713) 297-4750

New Bond

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

BOND NO 8027 31 97

wherein

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

FEDERAL INSURANCE COMPANY AS SURETY,

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

in the amount of \$150,000.00

bond date: 11/01/65

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

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

TO : ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

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

ExxonMobil Oil Corporation

By:



FEDERAL INSURANCE COMPANY

By:

Mary Pierson
Mary Pierson, Attorney-in-fact



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 } ss.
County of Somerset

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



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

Notary Public

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

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

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

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

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



Kenneth C. Wendel, Assistant Secretary

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

CSC

5184334741

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

CSC

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

F010601000187

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

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

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

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

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

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

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

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

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

CSC
CSC

5184334741

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

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

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



F. A. Risch, President 

STATE OF TEXAS)
COUNTY OF DALLAS)

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



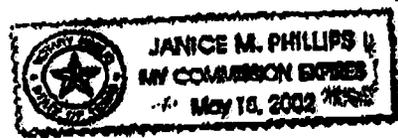
F. L. REID, Secretary

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

[SEAL]



NOTARY PUBLIC, STATE OF TEXAS



CSC
CSC

5184334741

06/01 '01 09:01 NO.411 02/02
06/01 '01 09:06 NO.137 04/04
F010601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

SAC

100 cc
STATE OF NEW YORK
DEPARTMENT OF STATE

Filed by: EXXONMOBIL CORPORATION
(Name)

FILED JUN 01 2001

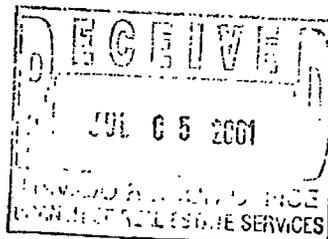
6959 Las Colinas Blvd.
(Mailing address)

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

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

7. **Federal and Indian Units:**

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

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

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

9. **Underground Injection Control ("UIC")**

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

NOTE: EPA ISSUES UIC PERMITS

DATA ENTRY:

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

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

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

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

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

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

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

TRANSFER OF AUTHORITY TO INJECT

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

EFFECTIVE DATE OF TRANSFER: 6/1/2006

CURRENT OPERATOR

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

NEW OPERATOR

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

(This space for State use only)

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

Approval Date: 6/12/06

Comments:

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

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

FORM 9

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

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

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

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

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

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

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

(This space for State use only)

APPROVED 6122106

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

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

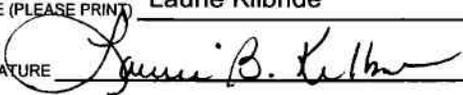
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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

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

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

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

(This space for State use only)

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

RECEIVED
APR 21 2006

DIV. OF OIL, GAS & MINING

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

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

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

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

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

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-263
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 114-9 (MCELMO L-17)
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES		9. API NUMBER: 43037163600000
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: 0660 FNL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 07 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"/> SUBSEQUENT REPORT Date of Work Completion: 3/4/2011 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: UIC Repair, Return to It	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Resolute Natural Resources Company performed UIC repair and stimulated the DCIIC Horizon, then returned this well to injection as follows: 2/21/2011: RU well service unit. 2/22/2011: Pulled tubing & packer, cleaned out wellbore w/ FW. PBSD @ 5735'. Pumped 10# brine. 2/24-28/2011: Shoot holes, 6 SPF, 5694'-5720'. Pumped 1233 bbls, flowed to rig pit & recovered. Pmpd 30 bbls 10# brine down tbg, 50 bbls 10# brine down csg. Pumped 125 bbls 10# brine fluid. 3/2/2011: Ran 171 jts TK fiber-lined tbg (EOT @ 5462.49'), 5.5" pkr @ 5471.64'. PT csg @ 1050# for 30 min - good test. 3/4/2011: MIT performed w/Pace pressure truck. Pump pressure to 1050#, SD and chart record 30 min. - no leaks, passed MIT. Witnessed by NNEPA Rep. Jean Bia. Unhook from csg and MOL. Returned to injection.		
NAME (PLEASE PRINT) Shera Gantenbein	PHONE NUMBER 303 534-4600	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 8/10/2011

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-263
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO 7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
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1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: NAVAJO 114-9 (MCELMO L-17)
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2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037163600000
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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: 0660 FNL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 07 Township: 41.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/12/2014 <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: Derek Quist

NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 6/10/2014	

RESOLUTE

NATURAL RESOURCES

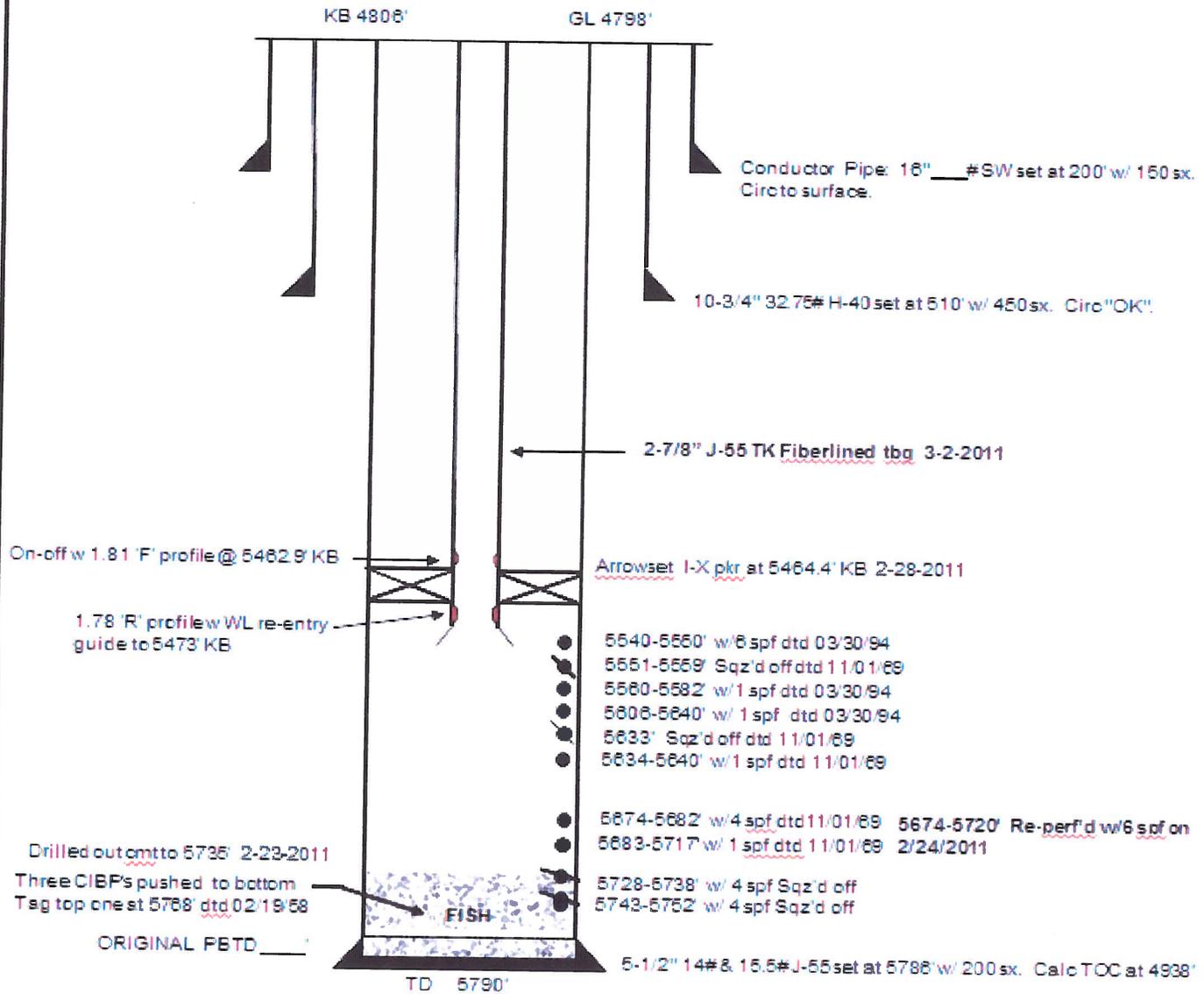
MCU L-17 Coil Tubing Clean Out & Acidize

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 @ 5471.6' KB' (1.72 no-go).
5. RIH with CTU, establish circulation; clean out fill to PBTD at 5735' KB;
Take solids samples for analysis. After reaching PBTD, 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 at btm perf 5720' & begin solvent at .5 bpm, moving CT up & down thru perfs (top perf 5540') twice 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 40 fpm required at 0.5 bpm.
8. Pump the acid while again making two trips up and down through the perfs w/the coil.
9. PU to ~5500' and overdisplace acid past btm perf at 5720' 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 # L-17
GREATER ANETH FIELD
660' FNL & 1980' FEL
SEC 7-T41S-R25E
SAN JUAN COUNTY, UTAH
API 43-037-16360
PRISM 0000296

INJECTOR



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-263
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 114-9 (MCELMO L-17)
1. TYPE OF WELL Water Injection Well	9. API NUMBER: 43037163600000	
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. FIELD and POOL or WILDCAT: GREATER ANETH	
3. ADDRESS OF OPERATOR: 1700 Lincoln Street, Suite 2800 , Denver, CO, 80203 4535	PHONE NUMBER: 303 534-4600 Ext	COUNTY: SAN JUAN
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1980 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 07 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: 6/18/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" 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"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER: <input style="width: 100px; height: 15px;" 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 acidizing and clean out of above well was completed on 6/18/2014 according to previously submitted procedures		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 01, 2014		
NAME (PLEASE PRINT) Erin Joseph	PHONE NUMBER 303 573-4886	TITLE Sr. Regulatory Analyst
SIGNATURE N/A	DATE 7/1/2014	