

WJH/7/76

12/9/76 - (Date first production)

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet \_\_\_\_\_

Location Map Finned \_\_\_\_\_

Card Indexed

W R for State or Fee Land \_\_\_\_\_

Checked by Chief \_\_\_\_\_

Copy NID to Field Office \_\_\_\_\_

Approval Letter \_\_\_\_\_

Disapproval Letter \_\_\_\_\_

COMPLETION DATA:

Date Well Completed 7/27/77

OW  WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_

Location Inspected \_\_\_\_\_

Bond released \_\_\_\_\_

State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log

Electric Logs (No. )

E \_\_\_\_\_ I \_\_\_\_\_ E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro \_\_\_\_\_

Lat \_\_\_\_\_ Mi-L \_\_\_\_\_ Sonic \_\_\_\_\_ Others \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NAVAJO

7. UNIT AGREEMENT NAME  
McELMO CREEK UNIT

8. FARM OR LEASE NAME

9. WELL NO.  
MCU #M-13

10. FIELD AND POOL, OR WILDCAT  
GREATER ANETH

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

12. COUNTY OR PARISH  
SAN JUAN

13. STATE  
UTAH

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

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

2. NAME OF OPERATOR  
THE SUPERIOR OIL COMPANY

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 897' FNL, 402' FEL, SECTION 6, T41S, R25E, SLB&M  
 At proposed prod. zone SE ANETH

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
4200'

16. NO. OF ACRES IN LEASE  
4200'

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
1600'

19. PROPOSED DEPTH  
5513'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4643' Ungraded Ground Level

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

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	100'	To Surface
12-1/4"	8-5/8"	24#	1488'	To Surface
7-7/8"	5-1/2"	14 & 15.5#	5513'	250 Sacks

1. Drill 17-1/2" hole to 100'. Set 13-3/8" casing at 100' and cement to surface.
2. Drill 12-1/4" hole to 1488'. Set 8-5/8" casing to 1488' and cement to surface.
3. Drill 7-7/8" hole through Desert Creek Zone I approximately 5513'.
4. Log well.
5. Set 5-1/2" casing at 5513' and cement with 250 sacks.
6. Perforate Desert Creek and stimulate based on log evaluation.

This well is a part of 40-acre infill drilling program now being operated by the Navajo Nation Oil, Gas, and Mining Unit.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING  
 DATE: 9-24-76  
 BY: C.D. Lightfoot

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

24. SIGNED David G. Allison TITLE Engineer DATE September 21, 1976

(This space for Federal or State office use)  
 PERMIT NO. 43-034-30320 APPROVAL DATE \_\_\_\_\_

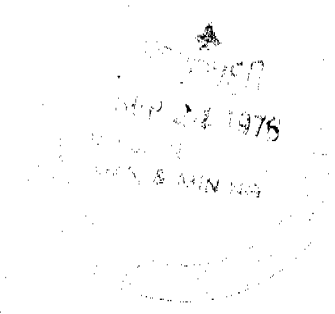
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

# THE SUPERIOR OIL COMPANY

P. O. DRAWER G

CORTEZ, COLORADO 81321

September 21, 1976



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

Re: Surface Use Development Plan  
Proposed Well  
McElmo Creek Unit #M-13  
897' FNL, 402' FEL  
Section 6, T41S, R25E  
San Juan County, Utah

Dear Mr. McGrath:

The "Surface Use Development Plan" for the proposed McElmo Creek Unit #M-13 is as follows:

1. The existing roads and the location of the main highway exit are shown on the attached USGS topographic map.
2. A new 800' X 30' access road is required, as shown on the attached plat. The proposed road will run south to the location and will be of compacted sand and gravel with a maximum grade of 1%. The road will be constructed so as to provide for adequate drainage. No major cuts or fills will be necessary.
3. The location and status of wells in the vicinity are shown on the attached plat.
4. The location of existing tank batteries, flow lines and lateral roads in the vicinity of the proposed well are shown on the attached plat. The 2-1/2" flow line for the proposed well will run 2600' northwest to an existing tank battery.
5. Water for drilling operations will be obtained from water wells located along the San Juan River.
6. Materials necessary for the construction of the access road and drilling pad will be obtained directly from the construction site. No access roads for the purpose of hauling materials will be necessary.
7. Waste materials will be collected in earth pits. The perimeter of these pits will be fenced with small mesh wire. When drilling operations are complete these earth pits will be backfilled and leveled to the contour of the original landscape. Small portable trailer houses for the company and contract drilling personnel may be on the location. A sufficient number of OSHA approved chemical toilets will be provided and maintained.

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

Very truly yours,

THE SUPERIOR OIL COMPANY

  
David G. Allison

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

9-22-'76  
Date

  
Wm. H. Edwards, Area Production Superintendent

SUPPLEMENT TO FORM 9-331C

WELL: MCU #M-13

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

ESTIMATED FORMATION TOPS: (Measured from KB)

Chinle	1378'
DeChelly	2558'
Ismay	5277'
Gothic Shale	5416'

WATER BEARING FORMATIONS: Water is expected to be encountered intermittently from 400' to 1378'.

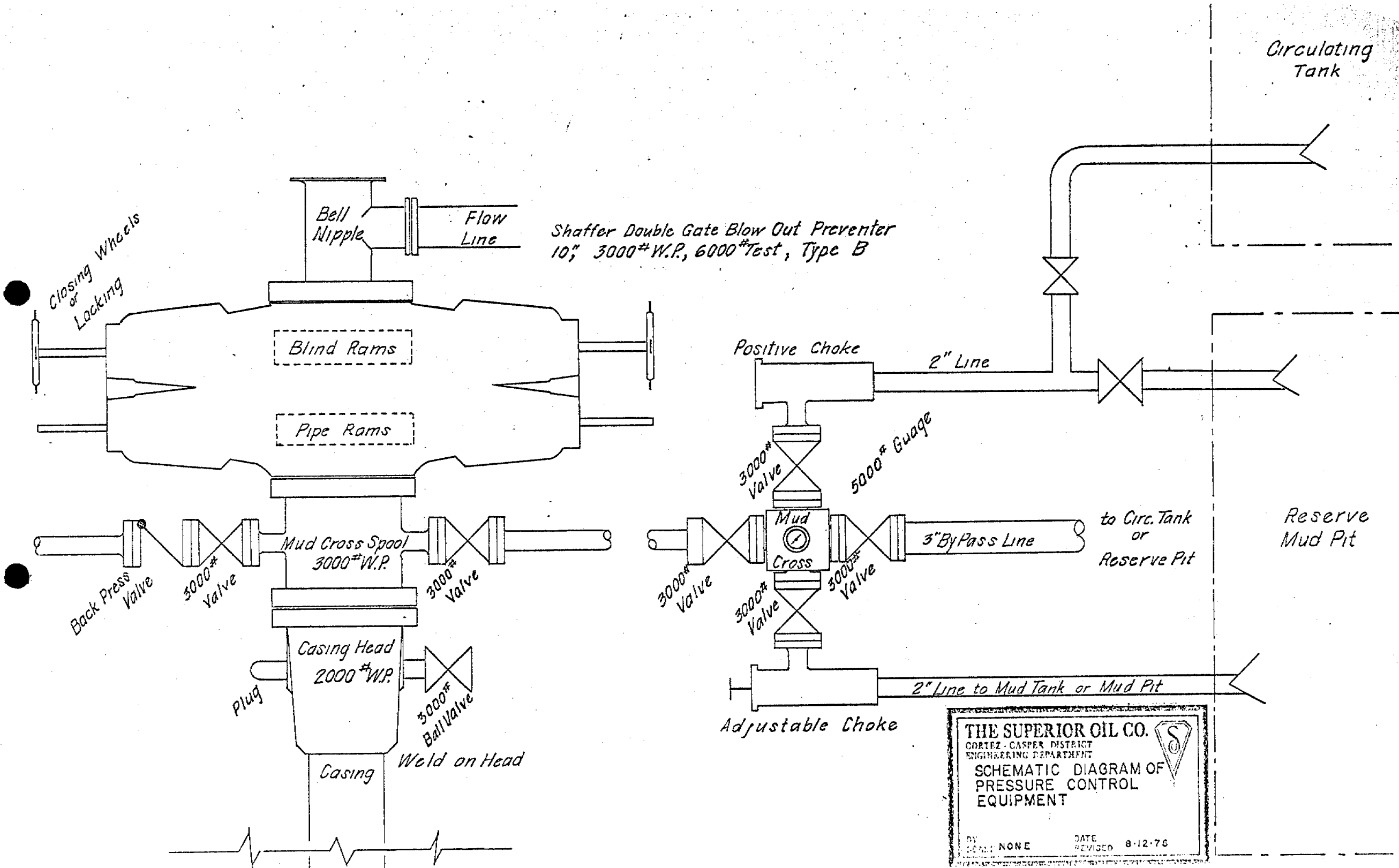
HYDROCARBON BEARING FORMATIONS: Oil and gas are expected to be encountered intermittently from 5380' to 5400'.

MUD PROGRAM: Surface to 2000' - Water.  
2000' to TD - Caustic-Q-Broxin or similar mud system;  
15 cc water loss, weighted as necessary  
with Barite.


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

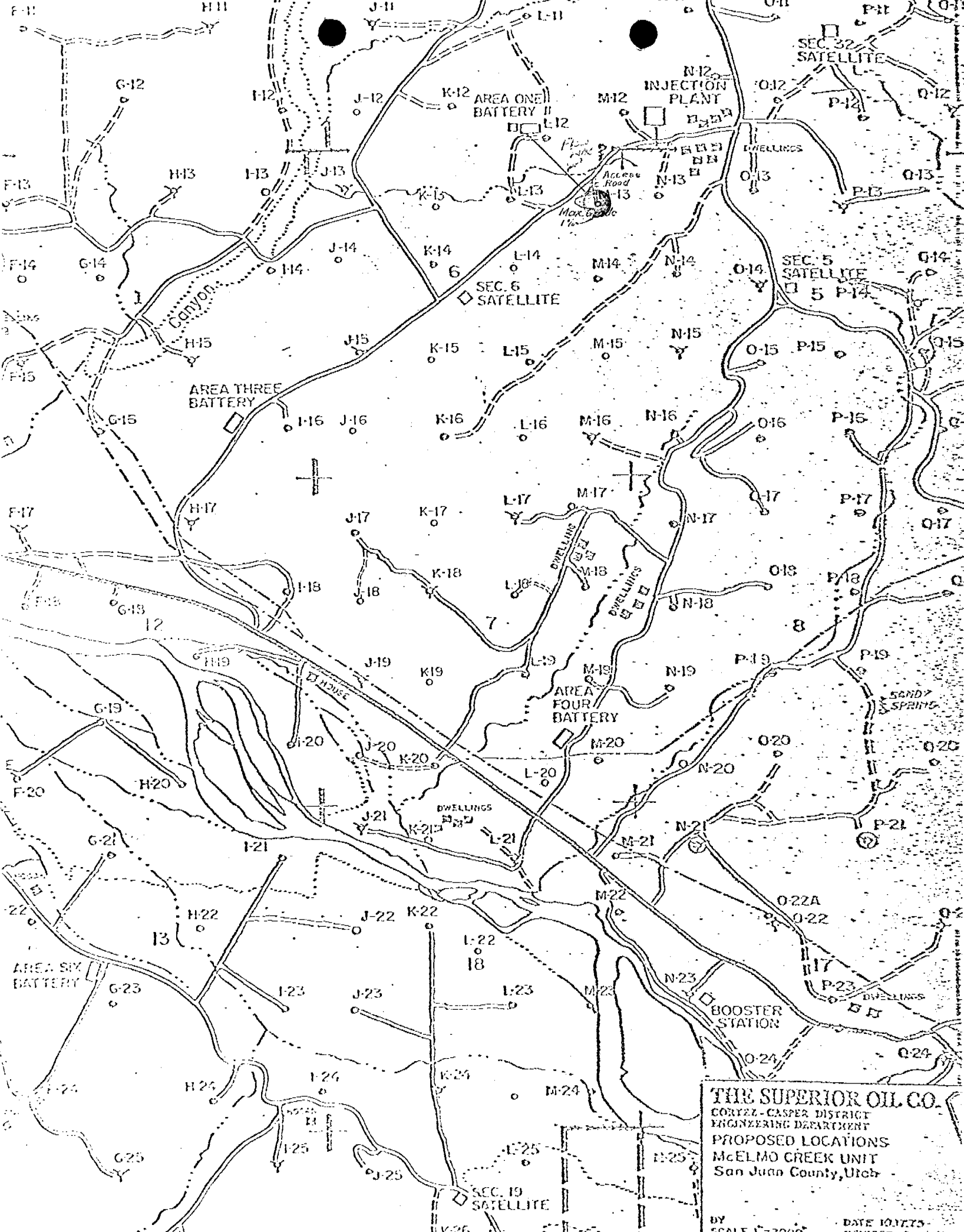
LOGGING PROGRAM: CNL/DENSITY/GR - TD to 5000'

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



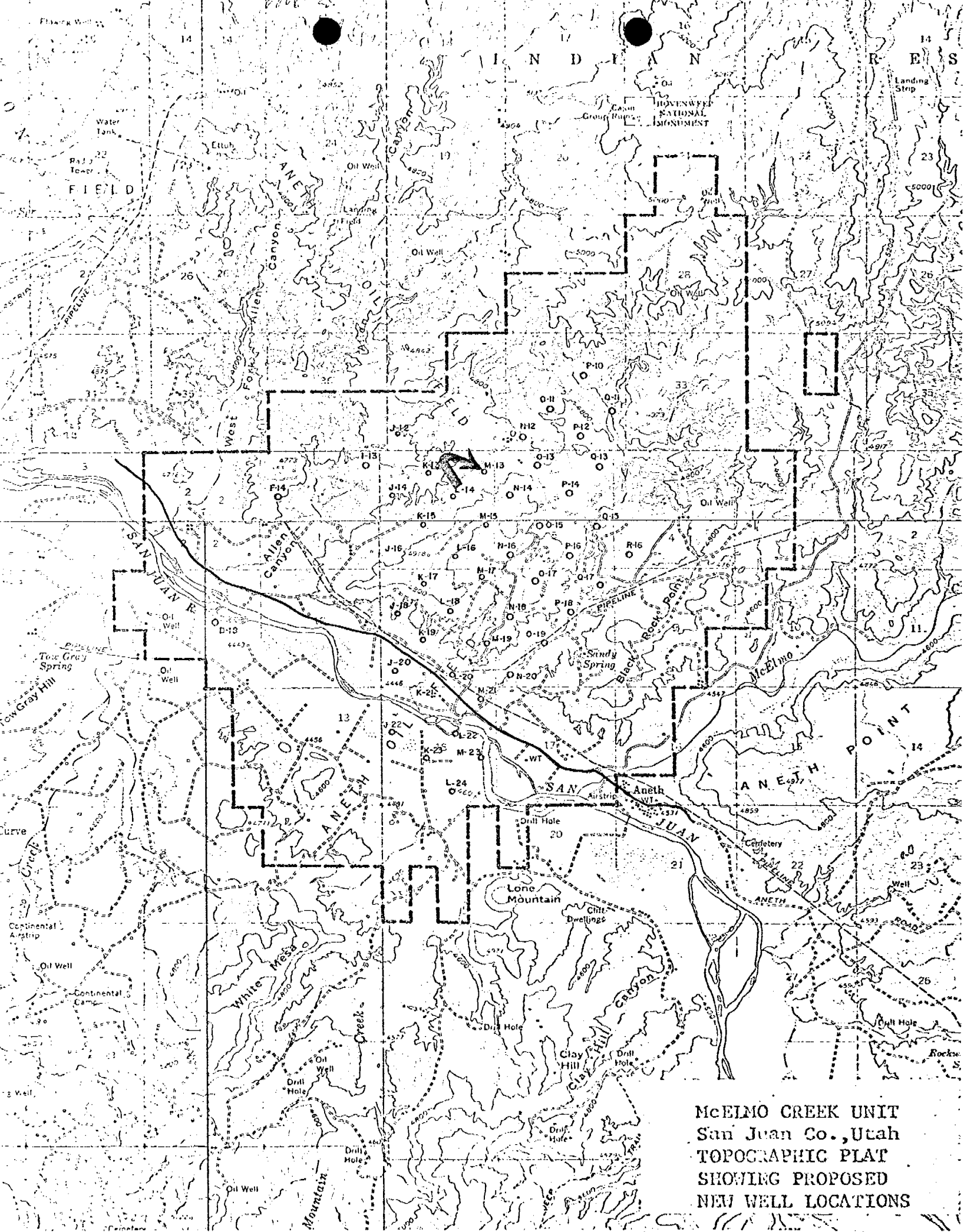
Shaffer Double Gate Blow Out Preventer  
 10" 3000# W.P., 6000# Test, Type B

THE SUPERIOR OIL CO.   
 CORTEZ - CASPER DISTRICT  
 ENGINEERING DEPARTMENT  
 SCHEMATIC DIAGRAM OF  
 PRESSURE CONTROL  
 EQUIPMENT  
 BY: NONE DATE: 8-12-76  
 REVISED: 8-12-76



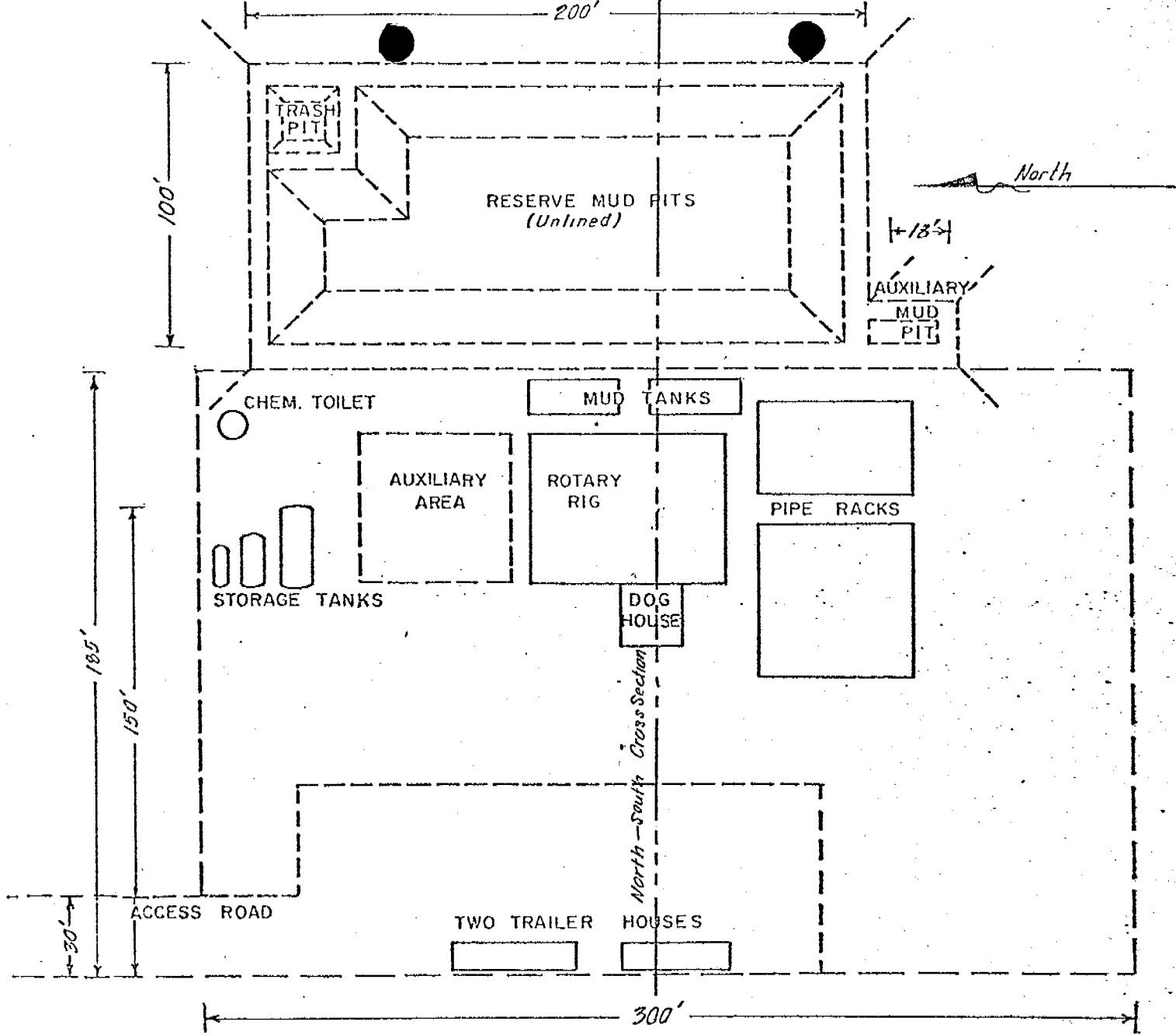
**THE SUPERIOR OIL CO.**  
 CORYEL-CASPER DISTRICT  
 ENGINEERING DEPARTMENT  
 PROPOSED LOCATIONS  
 McELMO CREEK UNIT  
 San Juan County, Utah

BY \_\_\_\_\_ DATE 10/1975  
 SCALE 1"=2000'

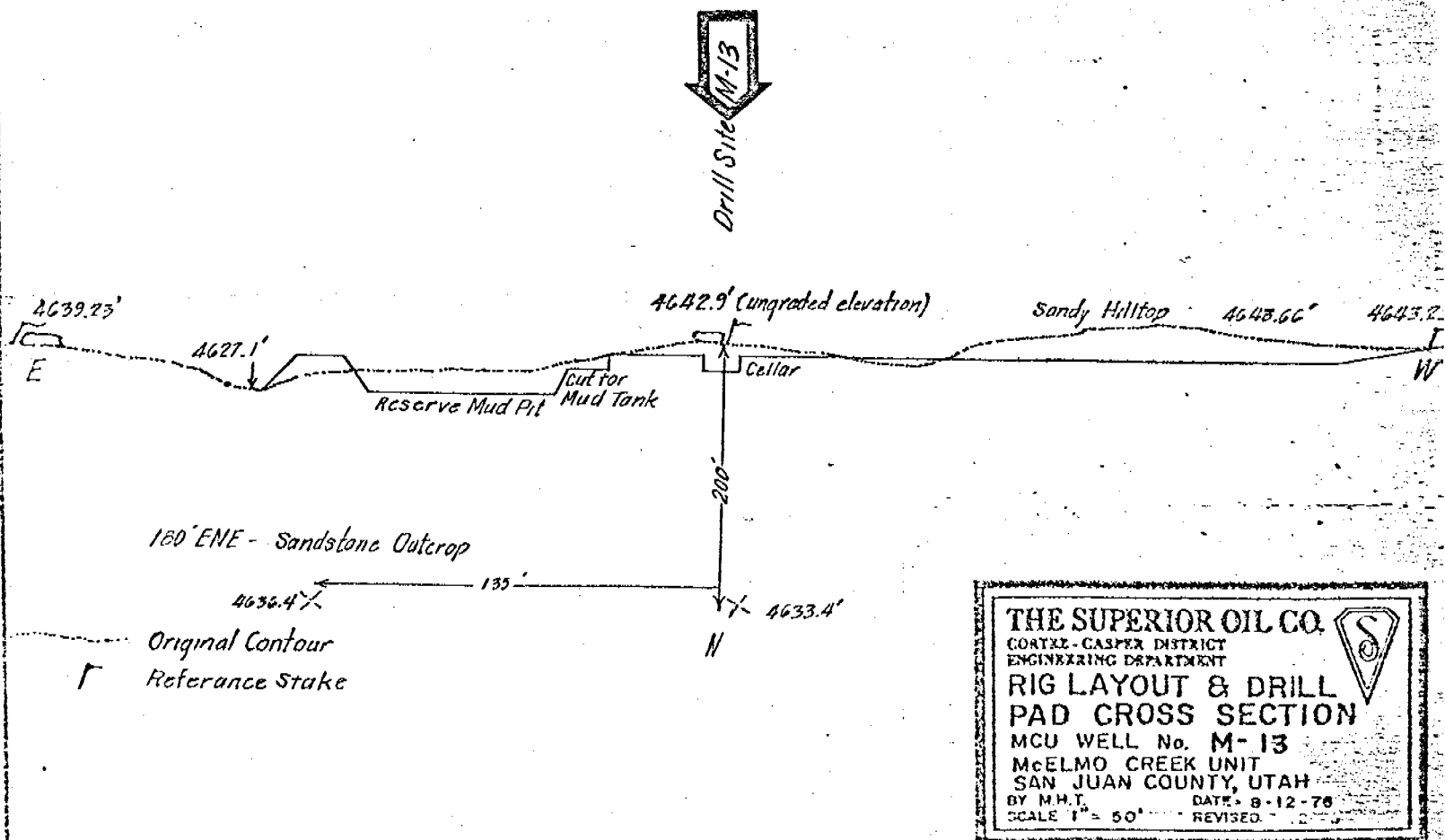


McELMO CREEK UNIT  
 San Juan Co., Utah  
 TOPOGRAPHIC PLAT  
 SHOWING PROPOSED  
 NEW WELL LOCATIONS





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



**THE SUPERIOR OIL CO.**  
 CORTZ - CASPER DISTRICT  
 ENGINEERING DEPARTMENT

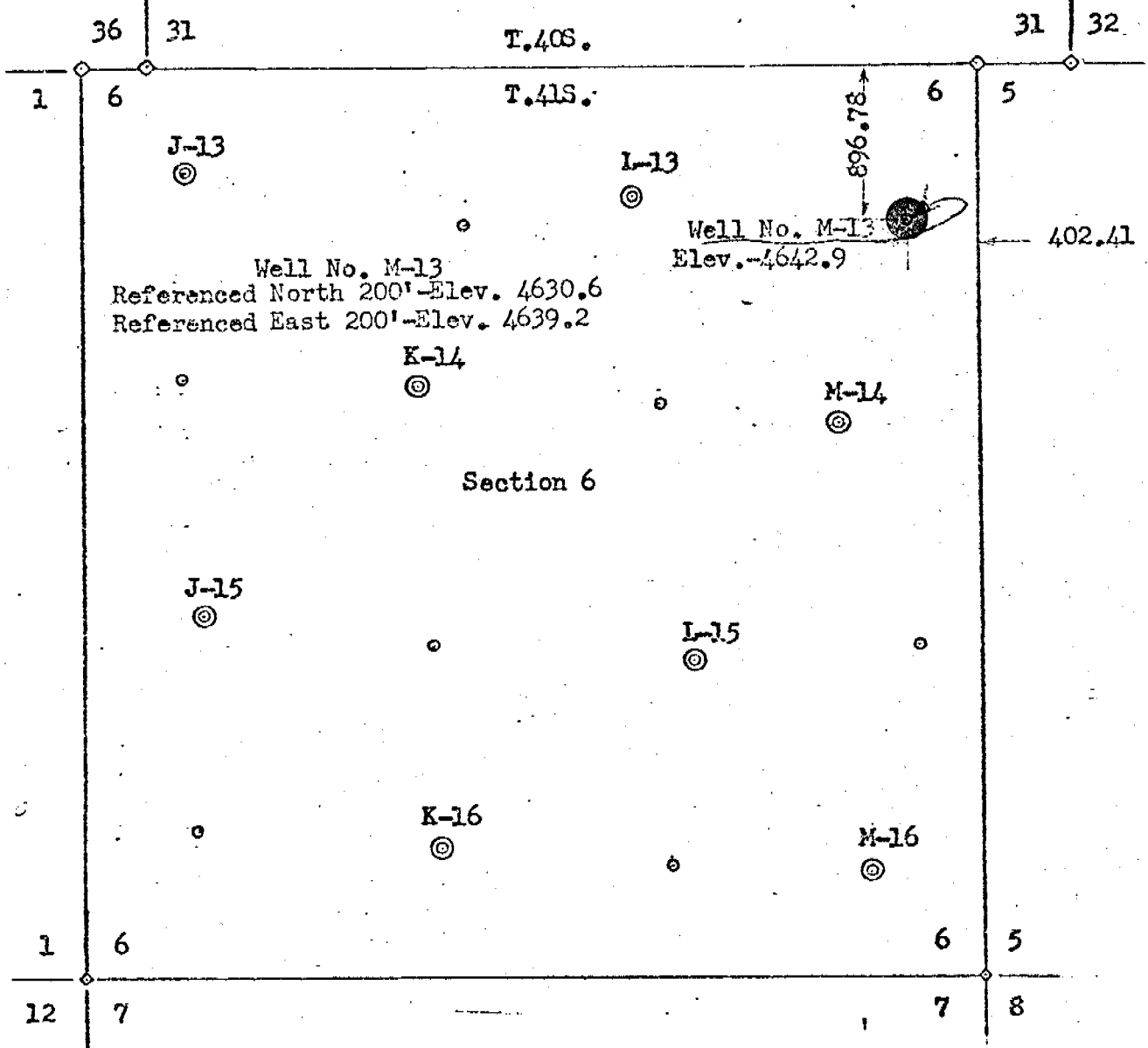
**RIG LAYOUT & DRILL  
 PAD CROSS SECTION**

MCU WELL No. M-13  
 McELMO CREEK UNIT  
 SAN JUAN COUNTY, UTAH

BY M.H.T. DATE: 8-12-78  
 SCALE 1" = 50' REVISED

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

WELL NO. M-13



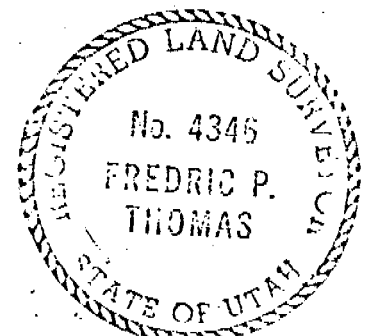
Well No. M-13  
Referenced North 200' - Elev. 4630.6  
Referenced East 200' - Elev. 4639.2

Well No. M-13  
Elev. -4642.9

Section 6

○ - Proposed Wells

⊙ - Existing Wells



THOMAS Engineering Inc.

432 N. Broadway  
Cortez, Colorado  
81305



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

*Fredric P. Thomas*

Fredric P. Thomas  
Reg. L.S. and P.E.  
Colo. Reg. No. 5728

Bearing by  
solar  
observation

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

DIVISION OF OIL, GAS, AND MINING

\*FILE NOTATIONS\*

Date: Sept. 24  
 Operator: Superior Oil Co.  
 Well No: McClus Creek Unit M-13  
 Location: Sec. 6 T. 41S R. 25E County: San Juan

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

Checked By:  
 Administrative Assistant: [Signature]

Remarks:  
 Petroleum Engineer/Mined Land Coordinator: [Signature]

Director: [Signature]  
 Remarks:

Include Within Approval Letter:

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

Approved  
 Letter Written

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

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
**14-20-603-327**

**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.)

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

7. UNIT AGREEMENT NAME  
**McELMO CREEK UNIT**

8. FARM OR LEASE NAME

9. WELL NO.  
**MCU #M-13**

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

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

12. COUNTY OR PARISH | 13. STATE  
**SAN JUAN | UTAH**

1. OIL WELL  GAS WELL  OTHER

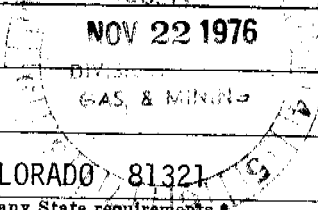
2. NAME OF OPERATOR  
**THE SUPERIOR OIL COMPANY**

3. ADDRESS OF OPERATOR  
**P. O. 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  
**897' FNL, 402' FEL, SECTION 6, T41S, R25E, SLB&M**

14. PERMIT NO.  
**43-037-30320**

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4644' Graded Ground Level**



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

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

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

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

- Spudded 11-5-76.
- Drilled and opened 17-1/2" hole to 108'.
- Ran 13-3/8", 48#, H-40, ST&C casing to 108'. Cemented casing on bottom w/1000 sxs "B" with additives. Displaced cement to 88' - 11-6-76. WIH with 12-1/4" bit. Drilled through cement and on to 1420' into top of Chinle.
- Ran 8-5/8", 24#, K-55, ST&C casing to 1420'. Cemented casing on bottom w/845 sxs Poz-Mix "B" and additives followed w/100 sxs "B" w/2% CaCl with FP 1800#. Had good cement returns to surface. WOC 5 hrs. Spotted cement in annulus thru 1" tube run 189' w/100 sxs "B" 3% CaCl. Installed NU BOP'S and tested to 1600#. OK. WIH 3/7-7/8" bit to TOC at 1355'. Tested casing and pipe rams to 1600#, OK. Drilled thru cement float collar and float shoe, 10:00 P. M. 10-8-76. Drilled on.

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

SIGNED Wm. H. Edwards TITLE Area Production Superintendent DATE November 19, 1976

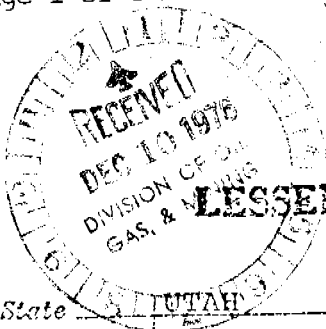
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ALLOTTEE \_\_\_\_\_  
TRIBE Navajo  
LEASE No. 14-20-603-372



**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State UTAH County SAN JUAN Field MC ELMO CREEK

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

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

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

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

## LESSEE'S MONTHLY REPORT OF OPERATIONS

State UTAH County SAN JUAN Field MC ELMO CREEK

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

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

Conroe, TEXAS 77301 Signed \_\_\_\_\_

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

SEC. AND M OF ¼	TWP.	RANGE	WELL No.	Data Produced	BARRELS OF OIL	GRAVITY	Cu. Ft. of Gas (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Cont. Sec. 6										
SW-SE	41S	25E	L-16							12-31-76 Drilling
✓ NE-NE	41S	25E	M-13							TD 5515' 12-31-76 Testing
NE-SE	41S	25E	M-15							TD 5630' 12-31-76 Testing
Sec. 7										
SW-NW	41S	25E	J-18							TD 5460' 12-31-76 Completing
NE-NW	41S	25E	K-17							12-31-76 Drilling
NE-SW	41S	25E	K-19							12-31-76 Drilling
SW-NE	41S	25E	L-18							TD 5510' 12-31-76 Testing
SW-SE	41S	25E	L-20							TD 5365' 12-31-76 Testing
NE-NE	41S	25E	M-17							TD 5555' 12-31-76 Testing
SE-NE	41S	25E	M-19							TD 5435' 12-31-76 Testing
Sec. 8										
SW-NW	41S	25E	N-18							TD 5507' 12-31-76 Testing
NE-NW	41S	25E	O-17							TD 5768' 12-31-76 Testing

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State UTAH County SAN JUAN Field MC ELMO CREEK

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

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

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

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

Note.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M. cu. ft. of gas sold; \_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State UTAH County SAN JUAN Field MC ELMO CREEK

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

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

Conroe, TEXAS 77301 Signed [Signature]

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

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth of shoe down, casing; date and result of test for gasoline content of gas)
<u>Sec. 5</u> SW-NW	41S	25E	N-14							TD 5740' 2-28-77 Testing
NE-NW	41S	25E	O-13							TD 5675' 2-28-77 Testing
NE-SW	41S	25E	O-15							TD 5580' 2-28-77 Testing
NE-NE	41S	25E	O-13							TD 5620' 2-28-77 Testing
NE-SE	41S	25E	O-15							TD 5470' 2-28-77 Testing
<u>Sec. 6</u> SW-NW	41S	25E	J-14							TD 5488' 2-28-77 Testing
NE-NW	41S	25E	K-13							TD 5445' 2-28-77 Testing
NE-SW	41S	25E	K-15							TD 5555' 2-28-77 Testing
NE-NE	41S	25E	M-13							TD 5515' 2-28-77 Testing
NE-SE	41S	25E	M-15							TD 5630' 2-28-77 Testing
<u>Sec. 7</u> SW-NW	41S	25E	J-18							TD 5460' 2-28-77 Testing
SW-NE	41S	25E	L-18							TD 5510' 2-28-77 Test- ing

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

\_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)  
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State UTAH County SAN JUAN Field MC ELMO CREEK

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

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

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

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

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

State Utah County San Juan Field Mc Elro Creek  
The following is a correct report of operations and production (including drilling and producing wells) for the month of April, 1977,  
Agent's address Post Office Box 71 Company The Superior Oil Company  
Conroe, Texas 77031 Signed [Signature]  
Phone 713/539-1771 Agent's title Petroleum Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (in thousands)	GALLONS OF GASOLINE RECEIVED	NUMBER OF TESTS MADE (SEE REMARKS)	REMARKS (If drilling, depth of shut down, cause; date and result of test for gasoline content of gas)
<b>SEC 5</b>										
NE-NW	41S	25E	0-13							TD 5675' 4-30-77 Testing
NE-SW	41S	25E	0-15							TD 5580' 4-30-77 Testing
<b>SEC 6</b>										
SW-NW	41S	25E	J-14							TD 5488' 4-30-77 Testing
NE-SW	41S	25E	K-15							TD 5555' 4-30-77 Testing
NE-NE	41S	25E	M-13							TD 5515' 4-30-77 Testing
<b>SEC 7</b>										
SW-NW	41S	25E	J-18							TD 5460' 4-30-77 Testing
SW-NE	41S	25E	L-18							TD 5510' 4-30-77 Testing
NE-NE	41S	25E	M-17							TD 5555' 4-30-77 Testing
<b>SEC 18</b>										
SW-NW	41S	25E	J-22							TD 5422' 4-30-77 Testing
SW-NE	41S	25E	L-22							TD 5501' 4-30-77 Testing
NE-SE	41S	25E	M-23							TD 5409' 4-30-77 Testing

NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M. cu. ft. of gas sold; \_\_\_\_\_ runs or sales of gasoline during the month. (Write "no" where applicable.)

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

Form 9-329A  
United States No. 42-10714-1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

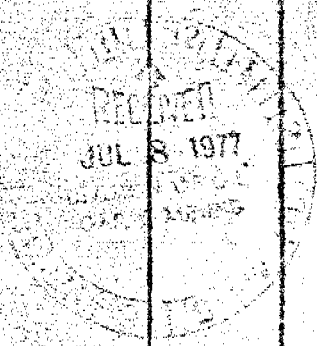
State Utah County San Juan Field Mc Elmo

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

Agent's address Post Office Box 71 Company The Superior Oil Company  
Conroe, Texas 77301 Signed Milton Jemel

Phone 713/539-1771 Agent's title Operations Engineer

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<b>SEC 1</b>										
NE-SE	41S	24E	I-15							TD 5532' 6-30-77 Testing
NE-NW	41S	24E	G-13							TD 5530 6-30-77 Completing
SW-SE	41S	24E	H-16							TD 5517' 6-30-77 Completing
<b>SEC 5</b>										
NE-NW	41S	25E	O-13							TD 5675' 6-30-77 Testing
<b>SEC 6</b>										
NW-NW	41S	25E	J-14							TD 5488' 6-30-77 Testing
NE-SW	41S	25E	K-15							TD 5555' 6-30-77 Testing
NE-NE	41S	25E	M-13							TD 5515' 6-30-77 Testing
<b>SEC 7</b>										
SW-NW	41S	25E	I-18							TD 5460' 6-30-77 Completing
SW-NE	41S	25E	J-18							TD 5510' 6-30-77 Testing
NE-NE	41S	25E	K-17							TD 5409' 6-30-77 Testing



NOTE.—There were \_\_\_\_\_ runs or sales of oil; \_\_\_\_\_ M. cu. of gas sold; \_\_\_\_\_ sum or sales of gasoline during the month. (Write "no" where applicable.)

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

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

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

McElmo Creek Unit

8. FARM OR LEASE NAME

9. WELL NO.

MCU #M-13

10. FIELD AND POOL, OR WILDCAT

Greater Aneth

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

Sec. 6, T41S, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

19. ELEV. CASINGHEAD

4644'

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

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
THE SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR  
P.O. Box 71 Conroe, TX 77301

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 897' FNL, 402' FEL Sec. 6  
At top prod. interval reported below Same  
At total depth Same

14. PERMIT NO. 43-037-30380 DATE ISSUED 9-24-76

RECEIVED  
AUG 12 1977

15. DATE SPUDDED 11-5-76 16. DATE T.D. REACHED 11-25-76 17. DATE COMPL. (Ready to prod.) 7-27-77

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 4656' KB

20. TOTAL DEPTH, MD & TVD 5515' 21. PLUG BACK T.D., MD & TVD 5514'

22. IF MULTIPLE COMPLETIONS, HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY ROTARY TOOLS 0-5515' CABLE TOOLS NONE

24. PRODUCING INTERVAL(S), OF THIS COMPLETION- TOP, BOTTOM, NAME (MD AND TVD)\*  
5398-5406' Ismay Zone  
5434-5508' Desert Creek Zone I

25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Compensated Density Neutron Log

27. WAS WELL CORED NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	108'	17 1/2"	100 sx class B	NONE
8-5/8"	24	1420'	12 1/4"	1045 sx Pozmix & class B	NONE
5 1/2"	14 & 15.5	5515'	7-7/8"	250 sx class B	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5514'	NONE

31. PERFORATION RECORD (Interval, size and number)

5398-5406'	1 Jet/ft.
5434-5460'	2 Jets/ft.
5470-5476'	2 Jets/ft.
5486-5508'	2 Jets/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5434-5508'	17,000 gal. 28% HCl acid
5398-5406'	1,000 gal. 28% HCl acid

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
12-9-76	Pumping 1-3/4" rod pump	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7-31-77	24	N/A	→	48	No Test	323	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
100 psi	0	→	48	No Test	323	41.1

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

35. LIST OF ATTACHMENTS  
LOGS

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

SIGNED D. G. Allison TITLE Operations Engineer DATE August 9, 1977

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

# INSTRUCTIONS

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

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

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

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

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

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

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

### 37. SUMMARY OF POROUS ZONES:

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

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

### 38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ismay	5280'	
Gothic Shale	5424'	
Desert Creek	5432'	

# Mobil Oil Corporation

PO BOX 5444  
DENVER COLORADO 80217

January 14, 1985

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

Attention: Ms. Dianne Nielson, Director

RECEIVED

FEB 0

DIVISION OF OIL  
GAS & MINING

RE: NOTICES TO SUPERIOR OIL COMPANY

Dear Ms. Nielson:

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

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

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

(303) 298-2577

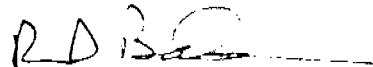
PERMITS ONLY

RDN

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

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

Very truly yours,



R. D. Baker  
Environmental & Regulatory Manager - West

Enclosure

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NAVAJO

7. UNIT AGREEMENT NAME  
MCELMO CREEK

8. FARM OR LEASE NAME  
MCELMO CREEK

9. WELL NO.  
M-13

10. FIELD AND POOL, OR WILDCAT  
GREATER ANETH

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

Sec. 6, T41S, R25E, SLM

12. COUNTY OR PARISH  
SAN JUAN

13. STATE  
UTAH

OIL WELL  GAS WELL  OTHER  CATHODIC PROTECTION

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

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

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

897' FNL, 402 FEL

RECEIVED  
OCT 04 1985

14. PERMIT NO.  
43-037-30320

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
4656' GL DIVISION OF OIL GAS & MINING

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)  Construct Cathodic Protection System

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.)\*

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

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

The construction area has previously been cleared archaeologically by the National Park Service per NTM 76-145, dated September 3, 1976.

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

SIGNED

*C. J. Benally*  
C. J. Benally  
(This space for Federal or State office use)

TITLE Sr. Regulatory Coordinator

DATE 9/27/85

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

# Mobil Oil Corporation

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

May 14, 1986

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

Attn: R. J. Firth  
Associate Director

RECEIVED  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

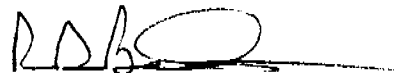
On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

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

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

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

Very truly yours,



CNE/rd  
CNE8661

R. D. Baker  
Environmental Regulatory Manager



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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL  
(Other instructions  
verse side)

080618

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

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-372

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

MCELMO CREEK

8. FARM OR LEASE NAME

9. WELL NO.

M-13

10. FIELD AND POOL, OR WILDCAT

GREATER ANETH

11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA

Sec 6, T41S, R25E

14. PERMIT NO.

43.037.30320

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

DF: 4655'

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

SHUT IN

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.)\*

McElmo Creek Unit M-13 has been shut in as non-commercial. The last test showed that the well was producing 179 BWP/D, 13 BOP/D. The well has experienced a high incidence of tubing leaks, pump changes and rod parts. With falling crude prices the well can not be produced economically. We request approval to leave to well shut in until crude prices increase to a level that permits profitable production of the well.

RECEIVED

AUG 04 1986

DIVISION OF OIL  
GAS & MINING

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

SIGNED

*[Signature]*

TITLE

Sr Staff Op Engr

DATE

7/31/86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

1. Oil Well  Gas Well  Other   
2. Name Of Operator MOBIL OIL CORPORATION

3. Address Of Operator P.O. DRAWER G, CORTEZ, COLORADO 81321

4. Location Of Well  
897' FNL, 402' FBL OF SEC. 6

14. Permit No. 43-037-30320

15. Elevation  
GL: 4643'

5. Lessee Designation And Serial No  
14-20-603-372

6. Indian, Allottee Tribe Name  
NAVAJO Sow-1S-4C

7. Unit Agreement Name  
MCELMO CREEK 121710

8. Farm Or Lease Name

9. Well No.  
M-13

10. Field And Pool, Or Wildcat  
GREATER ANETH

11. Sec., T., R.,  
SEC. 6, T41S, R25E

12. County  
SAN JUAN

13. State  
UTAH

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

Notice Of Intention To :		Subsequent Report Of :	
Test Water Shut-off	Pull Or Alter Casing	Water Shut-off	Repairing Well
Fracture Treat	Multiple Complete	Fracture Treatment	Altering Casing
Shoot Or Acidize	Abandon	Shooting Or Acidizing	Abandonment
Repair Well	Change Plans	(Other)	
(Other) TEMPORARY ABANDON	<input checked="" type="checkbox"/>		

17. Describe Proposed Or Completed Operations

Mobil Oil requests approval to temporary abandon MCU M-13. The subject well will be required for further expansion of the 302 tertiary recovery project.

Approval of this action is required before commencing operations

12-14-87  
John R. Bays

RECEIVED  
DEC 10 1987

DIVISION OF  
OIL, GAS & MINING

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

Signed P. S. HEIDE P.S. Heide Title ENGINEER Date 12/04/87

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions Of Approval If Any:

Form 3160-5  
 (November 1983)  
 (Formerly 9-331)

UNITED STATES  
 DEPARTMENT OF INTERIOR  
 BUREAU OF LAND MANAGEMENT

Submit Original & 6 Copies

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED  
 APR 02 1990

1. Oil Well  Gas Well  Other

2. Name Of Operator  
 MOBIL OIL CORPORATION

3. Address Of Operator  
 P.O. DRAWER G. CORTEZ, CO. 81321

4. Location of Well  
 897' FNL, 402' FEL

14. Permit Number  
 APZ 43-037-30320

15. Elevation  
 GL: 4643'

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

Notice of Intention To:

Test Water Shut-off <input type="checkbox"/>	Pull or Alter Casing <input type="checkbox"/>
Fracture Treat <input type="checkbox"/>	Multiple Complete <input type="checkbox"/>
Shoot or Acidize <input type="checkbox"/>	Abandon <input type="checkbox"/>
Repair Well <input type="checkbox"/>	Change Plans <input type="checkbox"/>
OTHER <u>Long Term Shut In</u> <input checked="" type="checkbox"/>	

Subsequent Report Of:

Water Shut-off <input type="checkbox"/>	Repairing Well <input type="checkbox"/>
Fracture Treatment <input type="checkbox"/>	Altering Casing <input type="checkbox"/>
Shooting or Acidizing <input type="checkbox"/>	Abandonment <input type="checkbox"/>
OTHER <input type="checkbox"/>	

5. Lease Designation & Serial No.  
 Unit 96-004190

6. Indian, Allottee Tribe Name  
 Navajo Tribal

7. Unit Agreement Name  
 McElmo Creek

8. Farm or Lease Name  
 McElmo Creek Unit

9. Well No.  
 M-13

10. Field & Pool, or Wildcat  
 Greater Aneth

11. Sec., T., R.,  
 Sec. 6, T41S, R25E

12. County  
 San Juan

13. State  
 Utah

17. Describe Proposed or Completed Operations

Mobil requests an extension of the shut-in/TA'd status of this well. Mobil is in the final phase of the field-wide CO2 injection distribution system and total upgrade of the water injection system. Evaluation of each well is being implemented to determine extent to down-hole reconditioning for injection and to determine strategies for sequential implementation of CO2 flooding. Reactivating wells to CO2 flooding and/or making final determination on each well is projected to be done within one to two years.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTC	SLS
2-TAS	
3- MICROFILM <input checked="" type="checkbox"/>	
4- FILE	

Mobil Exploration and Producing U. S. Inc. as agent for Mobil Oil Corporation

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

Signed Clyde J. Benally Title Sr. Environmental Engineer Date 3/30/90  
 C. J. Benally  
 Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of Approval If Any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

6. If Indian, Allottee or Tribe Name  
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
MCELMO CREEK

8. Well Name and No.  
M-13

9. API Well No.  
43-037-30320

10. Field and Pool, or Exploratory Area  
GREATER ANETH

11. County or Parish, State  
SAN JUAN, UT

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

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)  
**897' FNL, 402' FEL    Sec. 6, 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 <u>SI/TA EXTENSION</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.)\*  
**MOBIL REQUESTS AN EXTENSION OF THE SHUT-IN/TA'D STATUS OF THIS WELL. MOBIL IS IN THE FINAL PHASE OF THE FIELD-WIDE CO2 INJECTION DISTRIBUTION SYSTEM AND TOTAL UPGRADE OF THE WATER INJECTION SYSTEM. EVALUATION OF EACH WELL IS BEING IMPLEMENTED TO DETERMINE EXTENT TO DOWN-HOLE RECONDITIONING FOR INJECTION. REACTIVATING WELLS TO CO2 FLOODING AND/OR MAKING FINAL DETERMINATION ON EACH WELL IS PROJECTED TO BE DONE WITHIN ONE TO TWO YEARS OR TO PLUG AND ABANDON WELL.**

**RECEIVED**  
**APR 22 1991**  
 DIVISION OF  
 OIL GAS & MINING

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

Signed Shirley Todd **SHIRLEY TODD** Title \_\_\_\_\_ Date 4/19/91

(This space for Federal or State office use)

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
MCELMO CREEK

8. Well Name and No.  
M-13

9. API Well No.  
43-037-30320

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

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)  
897' FNL, 402' FEL SEC. 6, 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 <u>SI/TA EXTENSION</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.)\*

MOBIL REQUESTS AN EXTENSION OF THE SHUT-IN/TA'D STATUS OF THIS WELL. MOBIL IS IN THE FINAL PHASE OF THE FIELD-WIDE CO2 INJECTION DISTRIBUTION SYSTEM AND TOTAL UPGRADE OF THE WATER INJECTION SYSTEM. EVALUATION OF EACH WELL IS BEING IMPLEMENTED TO DETERMINE EXTENT TO DOWN-HOLE RECONDITIONING FOR INJECTION. REACTIVATING WELLS TO CO2 FLOODING AND/OR MAKING FINAL DETERMINATION ON EACH WELL IS PROJECTED TO BE DONE WITHIN ONE TO TWO YEARS OR TO PLUG AND ABANDON WELL.

RECEIVED

APR 06 1992

DIVISION OF  
OIL GAS & MINING

4-13-92  
Matthews

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

Signed Shuley Dodd

Title Env. & Reg. Technician

Date 4-2-92

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

6. If Indian, Allottee or Tribe Name  
**NAVAJO TRIBAL**

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

8. Well Name and No.  
**M-13**

9. API Well No.  
**43-037-30320**

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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

*SUBMIT IN TRIPLICATE*

1. Type of Well SEP 08 1992  
 Oil Well     Gas Well     Other

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)  
**897' FNL, 402' FEL SEC. 6, 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>PERF</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.)\*

8-24-92 MIRU POH W/TBG.  
 8-25-92 PERF W/4SPF 5302-08', 5344-62. SET PKR @ 5237' TEST ANNULUS TO 500 PSI.  
 8-26-92 SPOT 3 BBLS ACID ACROSS PERFS. SPOT ACID TO PKR. TREAT FORMATION W/2500 GALS 15% HCL ACID + ADDITIVES. SWAB  
 8-27-92 SWAB  
 8-29-92 RIH W/2 7/8 TBG. RD.

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

Signed Shirley Todd **SHIRLEY TODD** Title **ENV. & REG. TECHNICIAN** Date **9-2-92**

(This space for Federal or State office use)

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

6. If Indian, Allottee or Tribe Name  
NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation  
MCELMO CREEK

8. Well Name and No.  
M-13

9. API Well No.  
43-037-30320

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

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)  
897' FNL, 402' FEL SEC.6, T41S, R25E

RECEIVED  
FEB 12 1993

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 <u>SI/TA EXTENSION</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.)\*

MOBIL REQUESTS AN EXTENSION OF THE SHUT-IN/TA'D STATUS OF THIS WELL. MOBIL IS IN THE FINAL PHASE OF THE FIELD-WIDE CO2 INJECTION DISTRIBUTION SYSTEM AND TOTAL UPGRADE OF THE WATER INJECTION SYSTEM. EVALUATION OF EACH WELL IS BEING IMPLEMENTED TO DETERMINE EXTENT TO DOWN-HOLE RECONDITIONING FOR INJECTION. REACTIVATING WELLS TO CO2 FLOODING AND/OR MAKING FINAL DETERMINATION ON EACH WELL IS PROJECTED TO BE DONE WITHIN ONE TO TWO YEARS OR TO PLUG AND ABANDON WELL.

THIS APPROVAL EXPIRES APR 01 1993

RECEIVED  
FEB 12 1993

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

Signed Shuley Dodd Title Env. & Reg. Technician **APPROVED**

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_ **APR 20 1993**  
**AREA MANAGER**

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

**OPERATOR**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

6. If Indian, Allottee or Tribe Name

**NAVAJO TRIBAL**

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

8. Well Name and No.  
**M-13**

9. API Well No.  
**43-037-30320**

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

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)

**897' FNL, 402' FEL SEC. 6, T41S, R25E**

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*  
**MOBIL REQUESTS AN EXTENSION OF THE SHUT-IN STATUS OF THIS WELL. THIS WELL IS UNECONOMICAL TO PRODUCE AND IS UNDER ENGINEER EVALUATION.**

**RECEIVED**

APR 19 1993

DIVISION OF  
OIL, GAS & MINING

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

Signed Shirley Todd **SHIRLEY TODD**

Title **ENV. & REG. TECHNICIAN**

Date **4-14-93**

(This space for Federal or State office use)

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

Title \_\_\_\_\_

Date \_\_\_\_\_

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

\*See Instruction on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

Mobil Exploration & Producing U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.

3. Address and Telephone No.

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

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

897' FNL, 402' FEL; SEC. 6, T41S, R25E

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

5. Lease Designation and Serial No.

14-20-0603-372

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

MCELMO CREEK UNIT

8. Well Name and No.

MCELMO CREEK UNM-13

9. API Well No.

43-037-30320

10. Field and Pool, or exploratory Area

GREATER ANETH

11. County or Parish, State

SAN JUAN    UT

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other <u>EXTEND SI STATUS</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.)

MOBIL REQUESTS EXTENSION OF THE SI STATUS OF ABOVE WELL. ENGINEERS ARE RE-EVALUATING FOR FUTURE USE IN UNIT.

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

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

Signed

*Delia Forsythe Todd*

Title ENV. & REG. TECHNICIAN

Date 10/17/94

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

Use "APPLICATION FOR PERMIT - " for such proposals

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

5. Lease Designation and Serial No.

14-20-0603-372

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

MCELMO CREEK UNIT

8. Well Name and No.

MCELMO CREEK UNM-13

9. API Well No.

43-037-30320

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 U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
897' FNL, 402' FEL; SEC. 6, T41S, R25E

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

TYPE OF SUBMISSION

- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

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

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

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

03-30-95 MIRU NU BOP.  
04-04-95 R/U SNUBBING UNIT. DRILL OUT CIBP AT 5514' GIH W/BIT & SCRAPER TO 4590'.  
04-08-95 SET PKR AT 5200'.  
04-10-95 RIH W/TBG. CIRC. HOLE W/FRESH WATER. ND BOP. TEST CSG TO 1000 PSI/30 MIN/OK.  
RDMO.

MAY 11 1995

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

Signed Shirley Robinson

Title ENV. & REG. TECHNICIAN

Date 05-05-95 ✓

(This space for Federal or State office use)

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

Conditions of approval, if any:

Date Tex Credit  
4/10/95 ✓

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

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

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

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

UTAH ACCOUNT NUMBER: N7370

REPORT PERIOD (MONTH/YEAR): 6 / 95

AMENDED REPORT  (Highlight Changes)

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

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

\_\_\_\_\_

\_\_\_\_\_

I, \_\_\_\_\_, certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

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

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

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

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

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

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

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

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

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

# Mobil Oil Corporation

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

May 14, 1986

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

RECEIVED  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

Attn: R. J. Firth  
Associate Director

## SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

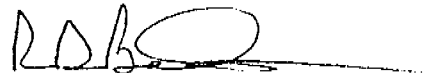
On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

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- LJC	7-PL ✓
2- LWP	8-SJ ✓
3- <del>DB</del> 9- FILE	
4- VLC	✓
5- RJF	✓
6- LWP	✓

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

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

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

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

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

Name: <u>** SEE ATTACHED **</u>	API: <u>037-30320</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
- Yes 7. Well file labels have been updated for each well listed above. 9-28-95
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (8-3-95)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.



**ENTITY REVIEW**

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

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

- N/A / 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. *UTS 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 3 1995.

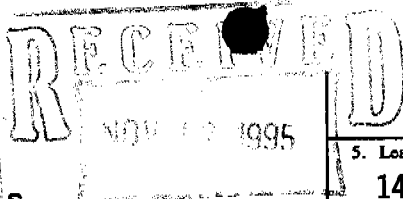
**FILING**

- \_\_\_ 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!

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.

14-20-0603-372

6. If Indian, Allottee or Tribe Name

NAVAJO TRIBAL

7. If Unit or CA, Agreement Designation

MCELMO CREEK UNIT

8. Well Name and No.

M-13

9. API Well No.

43-037-30320

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 U.S. Inc.  
as Agent for Mobil Producing TX & NM Inc.

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SEC. 6, T41S, R25E  
897' FNL, 402' FEL

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

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

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

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

RETURNED TO PRODUCTION ON MAY 19, 1995

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

Signed Shuley Robertson Title ENV. & REG. TECHNICIAN Date 11-10-95

(This space for Federal or State office use)

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

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

**ExxonMobil Production Comp**

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

June 27, 2001

**ExxonMobil**  
*Production*

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

Change of Name – Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Mr. Thompson

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

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

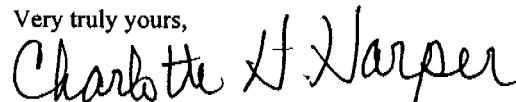
Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

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

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

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

Very truly yours,



Charlotte H. Harper  
Permitting Supervisor

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

**RECEIVED**

JUN 29 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Navajo Area Office

~~XXXXXXXXXXXX~~  
**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,

**GENIA DENETSONE**

Regional Realty Officer

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

<b>MINERAL RESOURCES</b>	
ADM 1	<i>DB/MC</i>
NATV AM MIN COORD	_____
SOLID MIN TEAM	_____
PETRO MENT TEAM	<i>2</i>
O & G INDEPEND TEAM	_____
ALL TEAM LEADERS	_____
LAND RESOURCES	_____
ENVIRONMENT	_____
FILES	_____

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

*PS 7/12/2001*

*SN*

*543*

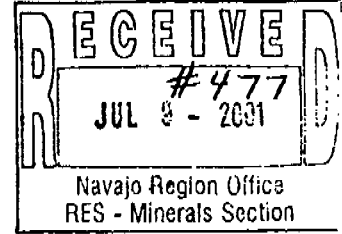
*File*

June 27, 2001

**ExxonMobil**  
*Production*

Certified Mail  
Return Receipt Requested

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



Change of Name –  
Mobil Oil Corporation to  
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

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

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

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

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

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

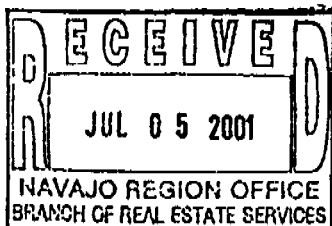
If you have any questions , please contact Alex Correa at (713) 431-1012.

Very truly yours,

*Charlotte H. Harper*

Charlotte H. Harper  
Permitting Supervisor

Attachments



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

*NOTE: Check forwarded to Ella Issac*

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

Gentlemen:

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

OFFICERS

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

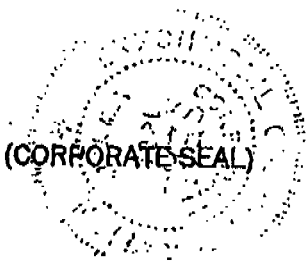
DIRECTORS

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

Sincerely,

Alex Correa

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



Signature

AGENT AND ATTORNEY IN FACT

Title

**CERTIFICATION**

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

**CHANGE OF COMPANY NAME**

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

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

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

ExxonMobil Oil Corporation",

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

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

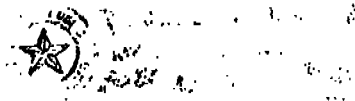
WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

S. A. Milligan  
Assistant Secretary

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

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

Janice M. Phillips  
Notary Public



# LISTING OF LEASES OF MOBIL OIL CORPORATION

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

6/1/01



# CHUBB GROUP OF INSURANCE COMPANIES

One Chubb Plaza, Suite 1400, Houston, Texas 77027-3301  
Tel: (713) 297-4600 • Fax: (713) 297-4750

*NW Bond*

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

**BOND NO 8027 31 97**

wherein

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

**FEDERAL INSURANCE COMPANY AS SURETY,**

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

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

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

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

**TO : ExxonMobil Oil Corporation**

All other terms and conditions of this Bond are unchanged.

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

ExxonMobil Oil Corporation

By:



FEDERAL INSURANCE COMPANY

By:

*Mary Pierson*  
Mary Pierson, Attorney-in-fact



**POWER OF ATTORNEY**

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

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

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

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

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

*Kenneth C. Wendel*  
Kenneth C. Wendel, Assistant Secretary

*Frank E. Robertson*  
Frank E. Robertson, Vice President

STATE OF NEW JERSEY } ss.  
County of Somerset

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



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

*Karen A. Price*  
Notary Public

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

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

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

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

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



*Kenneth C. Wendel*  
Kenneth C. Wendel, Assistant Secretary

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

CSC

5184334741

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

CSC

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

F010601000187

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION  
OF  
MOBIL OIL CORPORATION

CSC 45

(Under Section 805 of the Business Corporation Law)

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

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

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

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

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

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

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

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



CSC  
CSC

5184334741

06/01 '01 08:47 NO.410 04/05  
06/01 '01 09:00 NO.133 03/04


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

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

  
\_\_\_\_\_  
F. A. Risch, President 

STATE OF TEXAS        )  
                              )  
COUNTY OF DALLAS    )

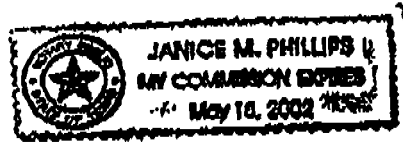
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

  
\_\_\_\_\_  
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.157 04/04  
**F010601000187**

**CSC 45**

**CERTIFICATE OF AMENDMENT**

**OF**

**MOBIL OIL CORPORATION**

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

*SAC*

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

Filed by: EXXONMOBIL CORPORATION  
(Name)

FILED JUN 01 2001

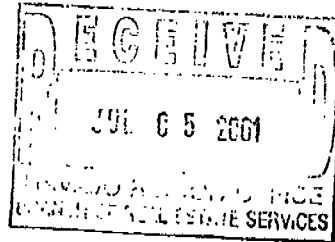
5959 Las Colinas Blvd.  
(Mailing address)

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

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

*ny Albany*

*Cost Ref # 165578 MPJ*



**010601000195**

State of New York )  
Department of State } ss:

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

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



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

*Special Deputy Secretary of State*

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW✓
3. FILE

Change of Operator (Well Sold)

Designation of Agent

**X Operator Name Change**

Merger

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

**CA No. Unit: MCELMO CREEK**

**WELL(S)**

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

7. **Federal and Indian Units:**

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

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

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

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

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 04/23/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 04/23/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

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

**FEDERAL WELL(S) BOND VERIFICATION:**

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

**INDIAN WELL(S) BOND VERIFICATION:**

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

**FEE WELL(S) BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

<b>ROUTING</b>
1. DJJ
2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See attached list</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Navajo Tribe</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		7. UNIT or CA AGREEMENT NAME: <b>McElmo Creek Unit</b>
2. NAME OF OPERATOR: <b>Resolute Natural Resources Company</b> <i>N2700</i>		8. WELL NAME and NUMBER: <b>See attached list</b>
3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>	PHONE NUMBER: <b>(303) 534-4600</b>	9. API NUMBER: <b>Attached</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See attached list</b>		10. FIELD AND POOL, OR WILDCAT: <b>Greater Aneth</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		COUNTY: <b>San Juan</b>
		STATE: <b>UTAH</b>

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

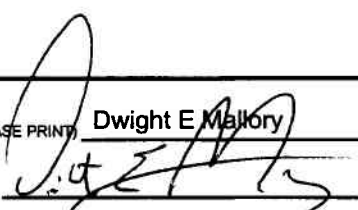
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input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

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

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

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

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

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

(This space for State use only)

**APPROVED** 6/22/06

*Earlene Russell*

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

(5/2000)

**RECEIVED**

**APR 24 2006**

DIV. OF OIL, GAS & MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
**Ship Rock**

7. UNIT or CA AGREEMENT NAME:  
**UTU68930A**

8. WELL NAME and NUMBER:  
**McElmo Creek**

9. API NUMBER:  
**attached**

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**ExxonMobil Oil Corporation** *N1855*

3. ADDRESS OF OPERATOR: **P.O. Box 4358** CITY **Houston** STATE **TX** ZIP **77210-4358** PHONE NUMBER: **(281) 654-1936**

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 producers and water source wells included in the transfer.

NAME (PLEASE PRINT) Laurie Kilbride TITLE Permitting Supervisor

SIGNATURE *Laurie B. Kilbride* DATE 4/19/2006

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

**RECEIVED**  
**APR 21 2006**

DIV. OF OIL, GAS & MINING

# McElmo Creek Unit - Producer Well List

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
MCU	H-12	430373036000S1	Producing	14-200-6036145	36	40S	24E	SWSE	0643FSL	2123FEL
MCU	I-11	430373035800S1	Producing	14-200-6036145	36	40S	24E	NESE	1975FSL	0318FEL
MCU	F-12	430373038000S1	Producing	14-200-6036146	36	40S	24E	SWSW	0585FSL	0628FWL
MCU	G-11	430373037600S1	Producing	14-200-6036146	36	40S	24E	NESW	1957FSL	1995FWL
MCU	D-16	430373038700S1	Producing	14-200-6036147	2	41S	24E	SWSE	0622FSL	1773FSL
MCU	E-15	430373038900S1	Producing	14-200-6036147	2	41S	24E	NESE	1877FSL	0575FEL
MCU	C-15	430373038400S1	Producing	14-200-6036508	2	41S	24E	NESW	1765FSL	3206FEL
MCU	C-13	430373037900S1	TA	14-200-6036509	2	41S	24E	NENW	0881FNL	3076FEL
MCU	D-14	430373038600S1	Producing	14-200-6036510	2	41S	24E	SWNE	1884FNL	1856FEL
MCU	E-13	430373038800S1	SI	14-200-6036510	2	41S	24E	NENE	0789FNL	0296FEL
MCU	U-08	430373045400S1	Producing	14-20-6032048A	28	40S	25E	SESE	0100FSL	0650FEL
MCU	R-10	430373112100S1	SI	14-20-6032057	33	40S	25E	SWNW	2326FNL	0632FWL
MCU	R-12	430373065100S1	Producing	14-20-6032057	33	40S	25E	SWSW	0692FSL	0339FWL
MCU	R-14	430373020200S1	Producing	14-20-6032057	4	41S	25E	SWNW	2030FNL	0560FWL
MCU	R-16	430373027200S1	Producing	14-20-6032057	4	41S	25E	SWSW	0656FSL	0505FWL
MCU	S-11	430373045200S1	Producing	14-20-6032057	33	40S	25E	NESW	1928FSL	1731FWL
MCU	S-13	430373045300S1	Producing	14-20-6032057	4	41S	25E	NENW	0761FNL	1837FWL
MCU	S-15	430373063200S1	Producing	14-20-6032057	4	41S	25E	NESW	1854FSL	1622FWL
MCU	T-10	430373046000S1	Producing	14-20-6032057	33	40S	25E	SWNE	1931FNL	1793FEL
MCU	T-12	430373007400S1	Producing	14-20-6032057	33	40S	25E	NWSE	1940FSL	1960FEL
MCU	T-12A	430373040100S1	Producing	14-20-6032057	33	40S	25E	SWSE	0590FSL	2007FEL
MCU	T-14	430373045900S1	Producing	14-20-6032057	4	41S	25E	SWNE	1922FNL	1903FEL
MCU	T-16	430373065400S1	Producing	14-20-6032057	4	41S	25E	SWSE	0630FSL	2030FEL
MCU	U-09	430373112200S1	Producing	14-20-6032057	33	40S	25E	NENE	1019FNL	0526FEL
MCU	U-13	430373045600S1	Producing	14-20-6032057	4	41S	25E	NENE	0700FNL	0700FEL
MCU	U-15	430373063300S1	Producing	14-20-6032057	4	41S	25E	NESE	1798FSL	0706FEL
MCU	V-14	430373065300S1	SI	14-20-6032057	3	41S	25E	SWNW	2091FNL	0322FWL
MCU	J-18	430373031800S1	Producing	14-20-603263	7	41S	25E	SWNW	1823FNL	0663FWL
MCU	J-20	430373030600S1	Producing	14-20-603263	7	41S	25E	SWSW	0819FSL	0577FWL
MCU	J-22	430373034100S1	Producing	14-20-603263	18	41S	25E	SWNW	1977FNL	0515FWL
MCU	J-23	430371550000S1	Producing	14-20-603263	18	41S	25E	NWSW	1980FSL	0575FWL
MCU	J-24	430373120500S1	Producing	14-20-603263	18	41S	25E	SWSW	0675FSL	0575FWL
MCU	K-17	430373032800S1	Producing	14-20-603263	7	41S	25E	NENW	0763FNL	1898FWL
MCU	K-19	430373032700S1	Producing	14-20-603263	7	41S	25E	NESW	1999FSL	1807FWL
MCU	K-21	430373030200S1	Producing	14-20-603263	18	41S	25E	NENW	0738FNL	1735FWL
MCU	K-23	430373033600S1	Producing	14-20-603263	18	41S	25E	NESW	1833FSL	1823FWL
MCU	L-18	430373031900S1	Producing	14-20-603263	7	41S	25E	SWNE	1950FNL	1959FEL
MCU	L-20	430373031300S1	Producing	14-20-603263	7	41S	25E	SWSE	0312FSL	1560FEL
MCU	L-22	430373034700S1	Producing	14-20-603263	18	41S	25E	NWSE	2844FSL	2140FEL
MCU	L-24	430373033900S1	SI	14-20-603263	18	41S	25E	SWSE	1980FNL	1980FEL
MCU	M-17	430373031400S1	Producing	14-20-603263	7	41S	25E	NENE	0454FNL	1031FEL
MCU	M-19	430373030700S1	Producing	14-20-603263	7	41S	25E	NESE	2012FSL	0772FEL
MCU	M-21	430373030300S1	Producing	14-20-603263	18	41S	25E	NENE	0919FNL	0463FEL
MCU	M-22	430371551200S1	Producing	14-20-603263	18	41S	25E	SENE	1720FNL	0500FEL
MCU	M-23	430373033800S1	Producing	14-20-603263	18	41S	25E	NESE	1890FSL	4214FWL
MCU	M-24	430371551300S1	Producing	14-20-603263	18	41S	25E	SESE	0500FSL	0820FEL
MCU	N-18	430373028600S1	Producing	14-20-603263	8	41S	25E	SWNW	1779FNL	0573FWL
MCU	N-20	430373026900S1	Producing	14-20-603263	8	41S	25E	SWSW	0620FSL	0634FWL
MCU	N-22	430373066100S1	SI	14-20-603263	17	41S	25E	SWNW	1763FNL	0730FWL
MCU	O-17	430373028900S1	Producing	14-20-603263	8	41S	25E	NENW	0627FNL	1855FWL
MCU	O-19	430373027000S1	Producing	14-20-603263	8	41S	25E	NESW	1932FSL	2020FWL
MCU	O-20	430371551800S1	Producing	14-20-603263	8	41S	25E	SESW	0660FSL	1980FWL
MCU	O-21	430373066200S1	Producing	14-20-603263	17	41S	25E	NENW	0796FNL	1868FWL
MCU	O-22A	430371597000S1	Producing	14-20-603263	17	41S	25E	SESW	1840FNL	1928FWL
MCU	O-23	430373112300S1	Producing	14-20-603263	17	41S	25E	NESW	2276FSL	1966FWL

# McElmo Creek Unit - Producer Well List

Lease	Number	API #	Status	Lease #	Location					
					Sec	T	R	QTR/QTR	NSFoot	EWFoot
MCU	P-18	430373026700S1	Producing	14-20-603263	8	41S	25E	SWNE	1816FNL	1855FEL
MCU	P-22	430373050600S1	Producing	14-20-603263	17	41S	25E	SWNE	2035FNL	2135FEL
MCU	Q-17	430373027100S1	SI	14-20-603263	8	41S	25E	NENE	0714FNL	0286FEL
MCU	Q-18	430371552100S1	SI	14-20-603263	8	41S	25E	SENE	1980FNL	0660FEL
MCU	Q-19	430373065200S1	SI	14-20-603263	8	41S	25E	NESE	1957FSL	0899FEL
MCU	Q-20	430371552200S1	SI	14-20-603263	8	41S	25E	SESE	0650FSL	0740FEL
MCU	Q-21	430373046300S1	Producing	14-20-603263	17	41S	25E	NENE	0730FNL	0780FEL
MCU	Q-23	430373112400S1	SI	14-20-603263	17	41S	25E	NESE	2501FSL	0581FEL
MCU	J-25	430371550100S1	SI	14-20-603264	19	41S	25E	NWNW	0750FNL	0695FWL
MCU	K-25	430373118600S1	Producing	14-20-603264	19	41S	25E	NENW	0440FNL	1780FWL
MCU	R-18	430373077800S1	Producing	14-20-603359	9	41S	25E	SWNW	1808FNL	0513FWL
MCU	S-17	430373077900S1	Producing	14-20-603359	9	41S	25E	NENW	700FNL	1899FWL
MCU	S-18	430371597800S1	Producing	14-20-603359	9	41S	25E	SENE	1943FNL	1910FWL
MCU	S-19	430373078000S1	Producing	14-20-603359	9	41S	25E	NESW	3391FNL	2340FWL
MCU	S-22	430371598000S1	Producing	14-20-603359	16	41S	25E	SENE	1980FNL	1980FWL
MCU	T-18	430373078100S1	Producing	14-20-603359	9	41S	25E	SWNE	1774FNL	3499FWL
MCU	U-17	430373078200S1	Producing	14-20-603359	9	41S	25E	NENE	0625FNL	4399FWL
MCU	U-18	430371598200S1	Producing	14-20-603359	9	41S	25E	SENE	2048FNL	0805FEL
MCU	F-22	430371594700S1	Producing	14-20-603370	13	41S	24E	SWNW	1800FNL	0664FWL
MCU	G-22	430373120400S1	TA	14-20-603370	13	41S	24E	SENE	1910FNL	2051FWL
MCU	G-24	430373100800S1	Producing	14-20-603370	13	41S	24E	SESW	0458FSL	2540FWL
MCU	H-21	430373119200S1	Producing	14-20-603370	13	41S	24E	NWNE	0715FNL	2161FEL
MCU	H-22	430371595000S1	Producing	14-20-603370	13	41S	24E	SWNE	1980FNL	1980FEL
MCU	H-23	430373119300S1	Producing	14-20-603370	13	41S	24E	NWSE	2178FSL	1777FEL
MCU	H-24	430371595100S1	TA	14-20-603370	13	41S	24E	SWSE	1820FSL	0500FEL
MCU	H-26	430371595200S1	Producing	14-20-603370	24	41S	24E	SWNE	2053FNL	2077FEL
MCU	I-21	430371595300S1	SI	14-20-603370	13	41S	24E	NENE	0810FNL	0660FEL
MCU	I-22	430373118700S1	Producing	14-20-603370	13	41S	24E	SENE	1975FNL	0700FEL
MCU	I-24	430373018000S1	Producing	14-20-603370	13	41S	24E	SESE	0660FSL	0250FEL
MCU	I-16B	430373041700S1	Producing	14-20-603372	6	41S	25E	NWSW	1442FSL	0040FWL
MCU	J-12	430373034200S1	Producing	14-20-603372	31	40S	25E	SWSW	0631FSL	0495FWL
MCU	J-14	430373032100S1	Producing	14-20-603372	6	41S	25E	SWNW	1822FNL	0543FWL
MCU	J-15B	430373041400S1	Producing	14-20-603372	6	41S	25E	NWSW	2679FNL	1299FWL
MCU	J-16A	430373101100S1	Producing	14-20-603372	6	41S	25E	SWSW	0601FSL	0524FWL
MCU	K-11	430373035900S1	Producing	14-20-603372	31	40S	25E	NESW	1803FSL	1887FWL
MCU	K-13	430373033700S1	Producing	14-20-603372	6	41S	25E	NENW	0935FNL	2132FWL
MCU	K-15	430373032600S1	Producing	14-20-603372	6	41S	25E	NESW	1920FSL	1950FWL
MCU	L-12	430373004000S1	Producing	14-20-603372	31	40S	25E	SWSE	0100FSL	1700FEL
MCU	L-14	430373032300S1	SI	14-20-603372	6	41S	25E	SWNE	1955FNL	1821FEL
MCU	L-16	430373032400S1	SI	14-20-603372	6	41S	25E	SESW	0642FSL	1788FEL
MCU	M-11	430373035400S1	Producing	14-20-603372	31	40S	25E	NESE	2028FSL	0535FEL
MCU	M-12B	430373041600S1	Producing	14-20-603372	31	40S	25E	SESE	1230FSL	0057FEL
MCU	M-13	430373032000S1	Producing	14-20-603372	6	41S	25E	NENE	0897FNL	0402FEL
MCU	M-15	430373031500S1	Producing	14-20-603372	6	41S	25E	NESE	1927FSL	0377FEL
MCU	N-10	430373030400S1	Producing	14-20-603372	32	40S	25E	SWNW	3280FSL	0360FWL
MCU	N-12	430373029100S1	SI	14-20-603372	32	40S	25E	SWSW	1266FSL	1038FWL
MCU	N-14	430373028100S1	SI	14-20-603372	5	41S	25E	SWNW	2053FNL	0767FWL
MCU	N-16	430373027700S1	SI	14-20-603372	5	41S	25E	SWSW	0665FSL	0788FWL
MCU	O-09	430373035600S1	Producing	14-20-603372	32	40S	25E	NENW	0604FNL	1980FWL
MCU	O-11	430373028200S1	Producing	14-20-603372	32	40S	25E	NESW	2094FSL	1884FWL
MCU	O-13	430373028000S1	Producing	14-20-603372	5	41S	25E	NENW	0562FNL	2200FWL
MCU	O-15	430373027500S1	SI	14-20-603372	5	41S	25E	NESW	2017FSL	2054FWL
MCU	P-10	430373028401S1	Producing	14-20-603372	32	40S	25E	SWNE	3328FSL	1890FEL
MCU	P-14	430373027600S1	TA	14-20-603372	5	41S	25E	SWNE	1947FNL	1852FEL
MCU	P-16	430373028700S1	Producing	14-20-603372	5	41S	25E	SWSE	0680FSL	1865FEL
MCU	Q-09	430373101300S1	Producing	14-20-603372	32	40S	25E	NENE	0753FNL	0574FEL
MCU	Q-11	430373028300S1	Producing	14-20-603372	32	40S	25E	NESE	2027FSL	0868FEL
MCU	Q-13	430373028800S1	Producing	14-20-603372	5	41S	25E	NENE	0699FNL	0760FEL
MCU	Q-15	430373029000S1	Producing	14-20-603372	5	41S	25E	NESE	2027FSL	0591FEL

# McElmo Creek Unit - Producer Well List

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

## Water Source Wells (Feb 2006)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
1420603372

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
MCELMO CREEK UNIT

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
MCU M-13

2. Name of Operator  
RESOLUTE NATURAL RESOURCES COM: dmallory@rnrc.net  
Contact: DWIGHT E MALLORY

9. API Well No.  
43-037-30320

3a. Address  
1675 BROADWAY, SUITE 1950  
DENVER, CO 80202

3b. Phone No. (include area code)  
Ph: 303-573-4886 Ext: 1165  
Fx: 303-623-3628

10. Field and Pool, or Exploratory  
ANETH, DESERT CREEK

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 6 T41S R25E NENE 897FNL 402FWL

11. County or Parish, and State  
SAN JUAN COUNTY, UT

**12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Resolute intends to shut off existing Ismay and Desert Creek (Zone I) production & complete the Desert Creek Zone 2C via 4 3/4" open hole deepening. Work will be performed under the existing bond on file (B001263) and will not result in any additional surface disturbance.

A deepening procedure, BOP diagram and current and proposed wellbore diagrams are attached.

COPY SENT TO OPERATOR

**Federal Approval of this  
Action is Necessary**

Date: 8.25.2010

Initials: KS

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

Electronic Submission #90888 verified by the BLM Well Information System  
For RESOLUTE NATURAL RESOURCES COM, sent to the Farmington

Name (Printed/Typed) Dwight Mallory

Title EHS Coordinator

Signature [Signature]

Date 08/04/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By [Signature]

Title BRADLEY G. HILL  
ENVIRONMENTAL MANAGER

Date 08-23-10

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED**

**RECEIVED**  
**AUG 11 2010**  
DIV. OF OIL, GAS & MINING

*Recompletion/Deepen*  
**McElmo Creek Unit M-13**  
897' FNL & 402' FEL  
Sec 6, T41S, R25E  
San Juan County, Utah  
API 43-037-30320  
PRISM 0018799

Recompletion Procedure (Sundry – Notice of Intent)

1. MIRU.
2. Pull & LD production equipment.
3. Clean out to 5514' (PBTD).
4. Perform a Calcium Carbonate plug squeeze of Ismay perforations 5302' – 5308', 5344' – 5362' & 5398' – 5406'; Desert Creek - Zone I perforations 5434' – 5460', 5470' – 5476' & 5486' – 5508'.
5. Pressure test production casing to 1500 psig by setting a Retrievable Bridge Plug at 5275'
6. Drill 4-3/4" open hole (vertical) from 5515 ft to 5660 ft (MD/TVD). Well will TD base of Chimney Rock Shale (top of Akah Formation)
7. Install appropriate artificial lift.
8. RDMOL.
9. RWTP.

*Job Scope – Shut off existing Desert Creek (Zone I) production & complete Desert Creek (Zone 2C) via an open hole.*



**ADDITIONAL INFORMATION TO SUPPORT  
Sundry – Notice of Intent  
Mc Elmo Creek Unit M-13  
Deepening to Desert Creek – IIC Horizon**

1. Formation Tops

**Existing Formation Tops (MD):**

Upper Ismay:	5283
Lower Ismay:	5360
Gothic Shale:	5424
Desert Creek:	5435

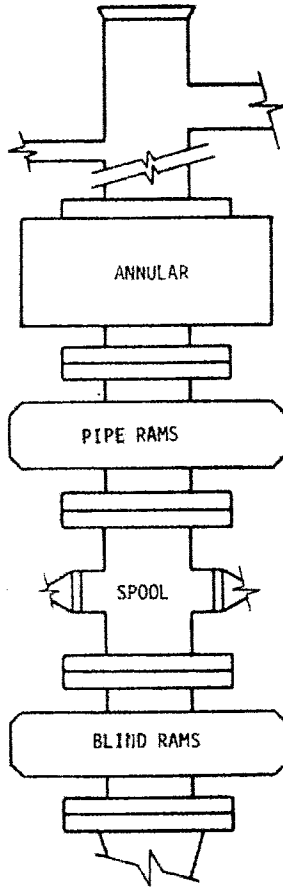
**Projected Formation Tops (MD):**

Desert Creek IIB	5525
Desert Creek IIC:	5545
Desert Creek III:	5613
Chimney Rock Shale:	5635
Total Depth:	5660 (in Chimney Rock)

2. Deeping will be a Open Hole of 4-3/4 inch Diameter from 5515 feet to 5660 feet.
3. Wellbore Diagrams –
  - a) Existing Wellbore Diagram - Attachment No. 1
  - b) Proposed Wellbore Diagram – Attachment No. 2
4. BOP Diagram and Equipment Description – Attachment No. 3
5. Drilling Mud Specifications
  - a) Proposed to drill out and do deepening operations with N2 foamed fresh water fluid, in an underbalanced situation
    - if conditions warranty due to unforeseen wellbore conditions
  - b) CaCl<sub>2</sub> brine water will be used, if this will not control formation pressure during the drilling operations

c) Drilling mud with a salt polymer will be used if required for control of formation pressure during the drilling operations

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



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

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

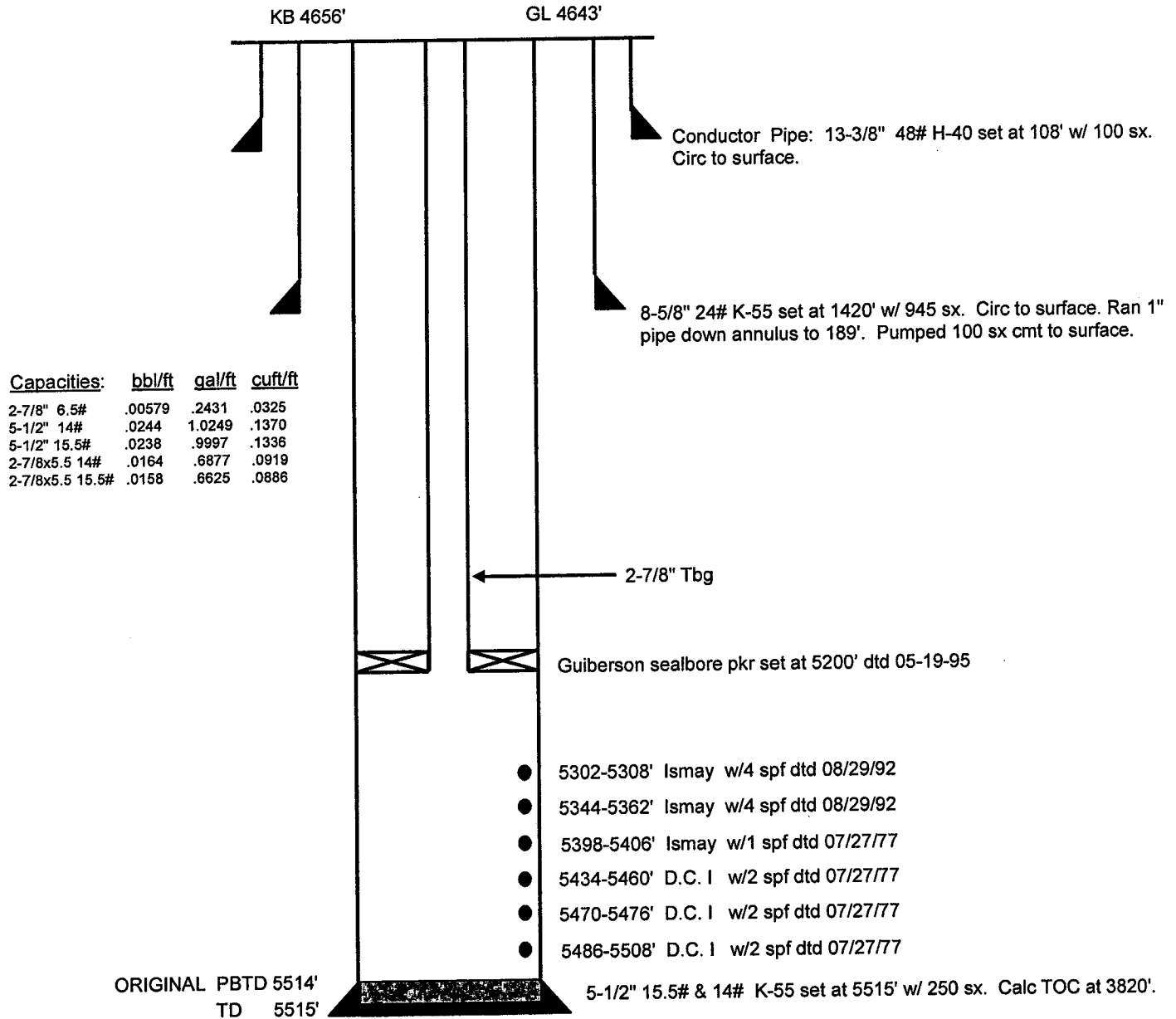
TYPICAL WORKOVER BOP STACK

Figure 30

# Attachment No. 1

**McELMO CREEK UNIT # M-13**  
**GREATER ANETH FIELD**  
**897' FNL & 402' FEL**  
**SEC 6-T41S-R25E**  
**SAN JUAN COUNTY, UTAH**  
**API 43-037-30320**  
**PRISM 0018799**

**PRODUCER**

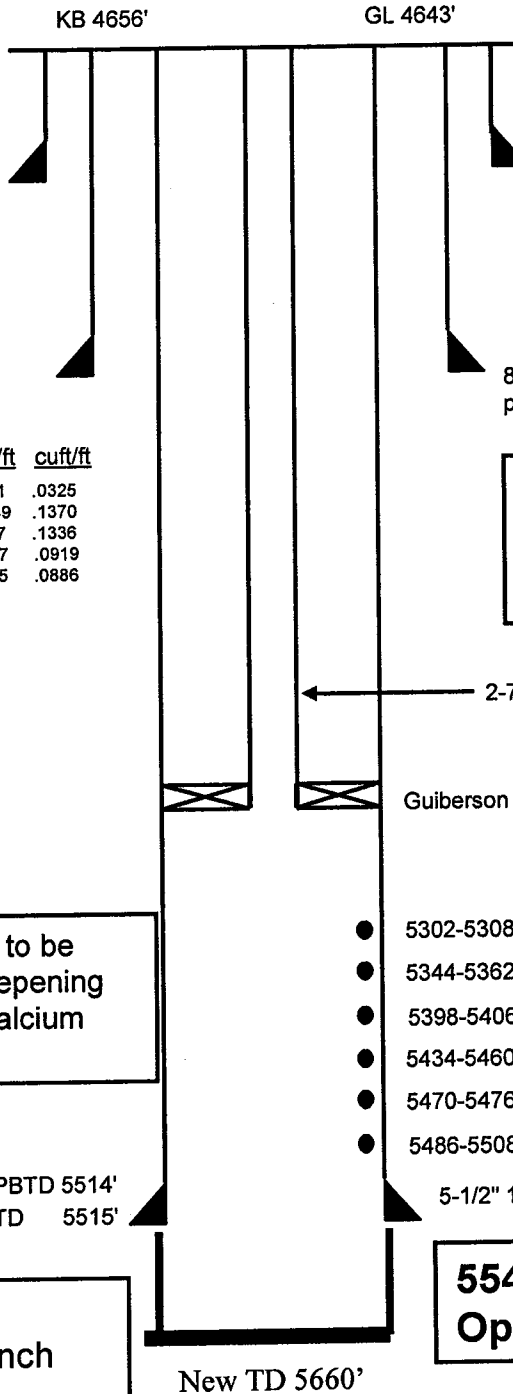


# Attachment No. 2

**McELMO CREEK UNIT # M-13**  
**GREATER ANETH FIELD**  
 897' FNL & 402' FEL  
 SEC 6-T41S-R25E  
 SAN JUAN COUNTY, UTAH  
 API 43-037-30320  
 PRISM 0018799

PRODUCER

## Proposed Wellbore Deepening to DC-IIC Productive Horizon



Conductor Pipe: 13-3/8" 48# H-40 set at 108' w/ 100 sx. Circ to surface.

8-5/8" 24# K-55 set at 1420' w/ 945 sx. Circ to surface. Ran 1" pipe down annulus to 189'. Pumped 100 sx cmt to surface.

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

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

2-7/8" Tbg

Guiberson sealbore pkr set at 5200' dtd 05-19-95

Existing Perforations to be squeezed prior to deepening of wellbore using a calcium carbonate plug

- 5302-5308' Ismay w/4 spf dtd 08/29/92
- 5344-5362' Ismay w/4 spf dtd 08/29/92
- 5398-5406' Ismay w/1 spf dtd 07/27/77
- 5434-5460' D.C. I w/2 spf dtd 07/27/77
- 5470-5476' D.C. I w/2 spf dtd 07/27/77
- 5486-5508' D.C. I w/2 spf dtd 07/27/77

ORIGINAL PBTD 5514'  
 TD 5515'

5-1/2" 15.5# & 14# K-55 set at 5515' w/ 250 sx. Calc TOC at 3820'.

Deepening of wellbore— 4-3/4 inch open hole

New TD 5660'

**5545' – 5613' DC-IIC Open Hole Completion**



GARY R. HERBERT  
Governor

GREG BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 1, 2011

Resolute Natural Resources  
1675 Broadway Ste. 1950  
Denver, CO 80202

Re: APD Rescinded – McElmo Creek M-13 (DEEPEN), Sec. 6, T. 41S,  
R. 25E, San Juan County, Utah API No. 43-037-30320


Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on August 23, 2010. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective December 1, 2011.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Monticello

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-372
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO
		7. UNIT or CA AGREEMENT NAME: MCELMO CREEK
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: MCELMO CR M-13	
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOURCES	9. API NUMBER: 43037303200000	
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: <i>914' FNL 411' FEL</i> 0897-FNL-0402-FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 06 Township: 41.0S Range: 25.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/6/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Resolute proposes to deepen the subject well to complete in the Desert Creek IIC via open hole and produce with the existing productive intervals. Attachments include the proposed procedure, current wellbore and proposed wellbore diagrams, the as-built plat, location cross section and topographic map, and the water source wells for the recompletion.

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

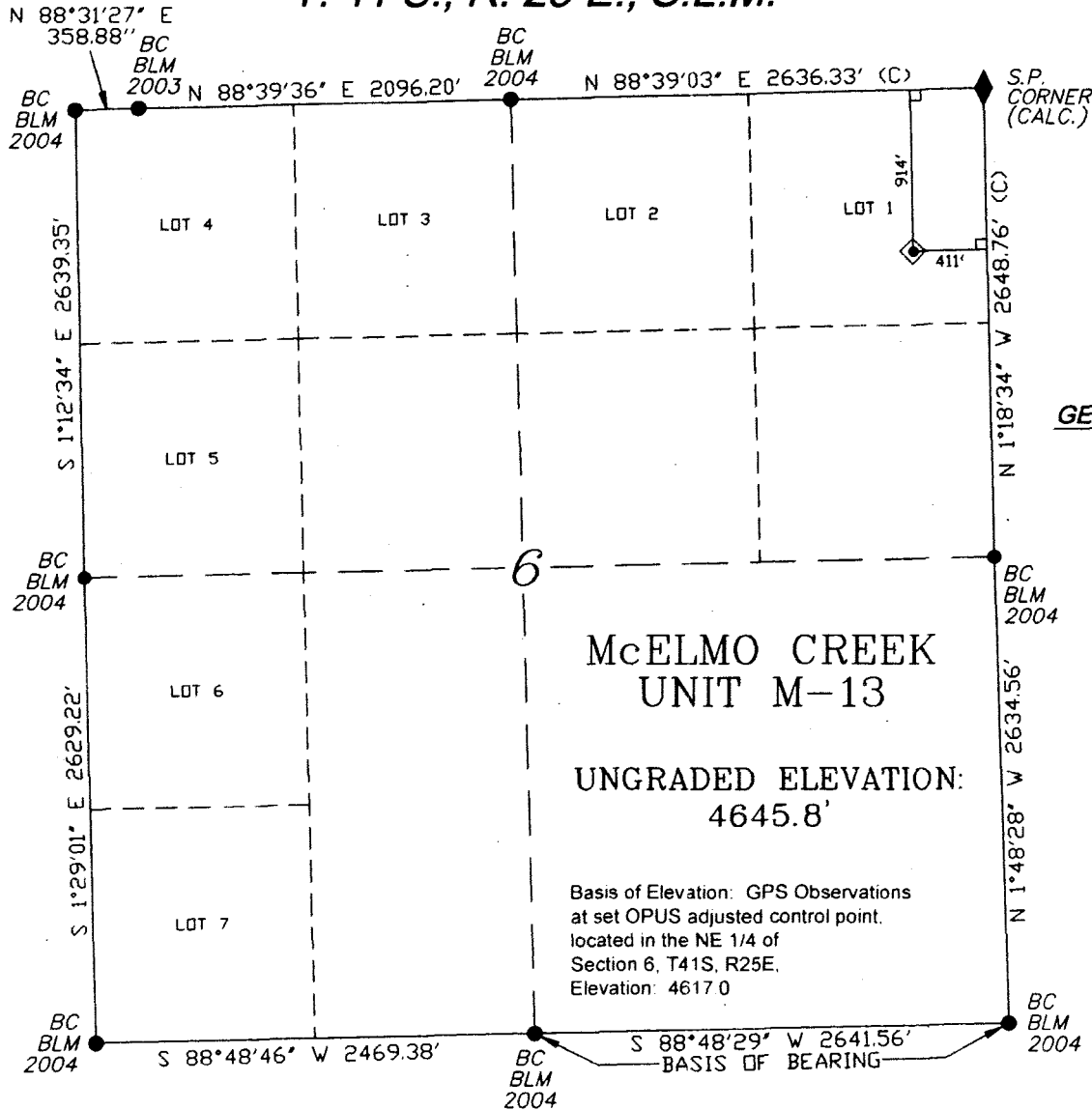
Date: 08-21-13  
 By:

*658 940 X*  
*412 478 24*  
*37. 256 043*  
*- 109. 207728*

**Federal Approval of this Action is Necessary**

NAME (PLEASE PRINT) Sherry Glass	PHONE NUMBER 303 573-4886	TITLE Sr Regulatory Technician
SIGNATURE N/A	DATE 8/20/2013	

**T. 41 S., R. 25 E., S.L.M.**



SCALE: 1" = 1000'

**GEO. SURFACE VALUES**

LATITUDE (NAD 83)  
NORTH 37.2560361°  
LONGITUDE (NAD 83)  
WEST 109.2077468°

LATITUDE (NAD 27)  
NORTH 37.2560391°  
LONGITUDE (NAD 27)  
WEST 109.2070776°

NORTHING  
Y = 222777.23  
EASTING  
X = 2667301.03

DATUM  
UTAH SP SOUTH (1927)

**McELMO CREEK  
UNIT M-13**

UNGRADED ELEVATION:  
4645.8'

Basis of Elevation: GPS Observations  
at set OPUS adjusted control point.  
located in the NE 1/4 of  
Section 6, T41S, R25E.  
Elevation: 4617.0



**SURVEYOR'S STATEMENT:**

I, John A. Vukonich, of Farmington, New Mexico, hereby state: This plat was made from notes taken during an actual survey under my direct supervision on May 14, 2013, and it correctly shows the location of McELMO CREEK UNIT M-13.

**NOTES**

- ◆ PROPOSED WELL LOCATION
- FOUND MONUMENT
- ◆ (CALC.) SINGLE PROPORTION SECTION CORNER
- L DENOTES 90° TIE
- (C) CALCULATED

UTAH PLS No. 7219139-2201  
johnv@ufsnm.com

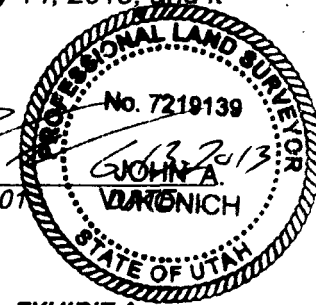


EXHIBIT A



**PLAT OF PROPOSED WELL LOCATION  
FOR  
RESOLUTE NATURAL RESOURCES COMPANY**

P.O. BOX 3651  
FARMINGTON, N.M.  
(505) 334-0408

SCALE: 1" = 1000'

JOB No. 10504

DATE: 05/22/13

**914' F/NL & 411' F/EL, SECTION 6,  
T. 41 S, R. 25 E, SALT LAKE MERIDIAN  
SAN JUAN COUNTY, UTAH**



*Recompletion/Deepening*  
**McElmo Creek Unit M-13**  
914' FNL & 411' FEL  
Sec 6, T41S, R25E  
San Juan County, Utah  
API 43-037-30320

Recompletion Procedure (Sundry – Notice of Intent)

1. MIRU.
2. Pull & LD production equipment.
3. Clean out to 5514' (PBD).
4. RU electric line. Log casing inspection log from 5250' back to surface. Run cement bond log from 5,250' to 1000', to evaluate cement for future P&A ops and to confirm top of the Chinle formation.  
NOTE: Horsley-Witten corrective action is not required on this well.
5. Pressure test production casing by setting RBP at ~5300'.
6. Retrieve RBP at ~5300'.
7. Drill out csg shoe & drill 4-3/4" open hole (vertical) from 5514' to 5637' MD/TVD. Well will TD in Chimney Rock Shale.
8. Stimulate the open hole section.
9. Install production tubing with ESP assembly
10. RDMOL.
11. Return well to production.

*Job Scope – Deepen and complete Desert Creek IIC via open hole and produce with existing productive intervals.*

**ADDITIONAL INFORMATION TO SUPPORT  
Sundry – Notice of Intent  
Mc Elmo Creek Unit M-13  
Deepening to Desert Creek – IIC Horizon**

1. Formation Tops

**Existing Formation Tops (MD):**

Upper Ismay:	5283
Lower Ismay:	5360
Gothic Shale:	5424
Desert Creek 1A:	5435
Desert Creek 1B:	5457
Desert Creek 1C:	5470
Desert Creek IIA:	5494
Desert Creek IIB:	5513

**Projected Formation Tops (MD):**

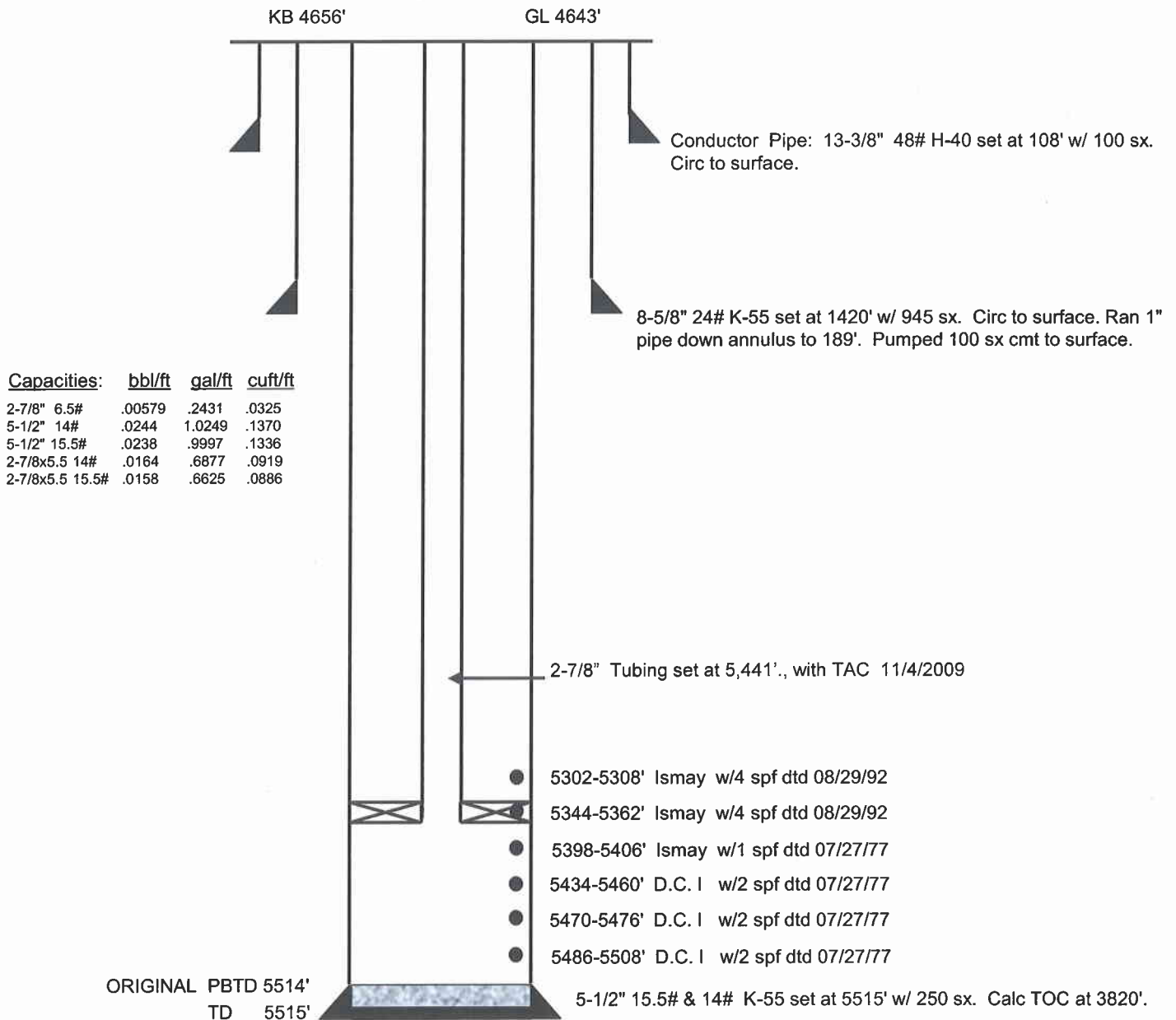
Desert Creek IIC:	5534
Desert Creek III:	5602
Chimney Rock Shale:	5623
Total Depth:	5637 (in Chimney Rock)

2. Deepening will be via open hole of 4-3/4 inch Diameter from 5515 feet to 5637 feet.
3. Wellbore Diagrams –
  - a) Existing Wellbore Diagram – Attachment No. 1
  - b) Proposed Wellbore Diagram – Attachment No. 2
4. BOP Diagram and Equipment Description – Attachment No. 3
5. Drilling Mud Specifications
  - a) Proposed to drill out / deepen with N2 foamed fresh water fluid, in an underbalanced situation, or if conditions warrant,
  - b) CaCl<sub>2</sub> brine water will be used, and if this will not control formation pressure during the drilling operations,

- c) Drilling mud with a salt polymer will be used if required for control of formation pressure during the drilling operations

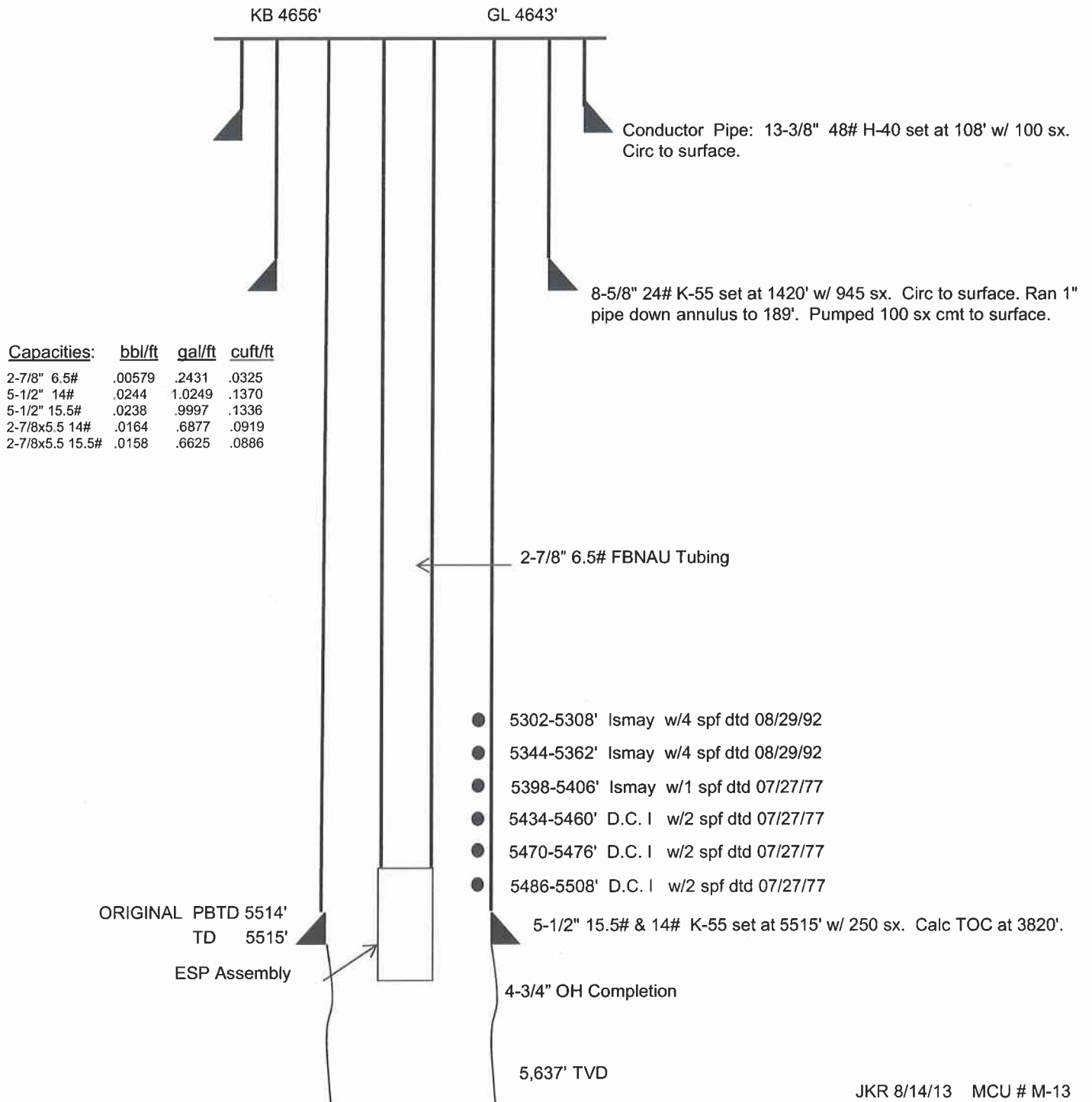
**McELMO CREEK UNIT # M-13**  
**GREATER ANETH FIELD**  
**914' FNL & 411' FEL**  
**SEC 6-T41S-R25E**  
**SAN JUAN COUNTY, UTAH**  
**API 43-037-30320**

**PRODUCER**

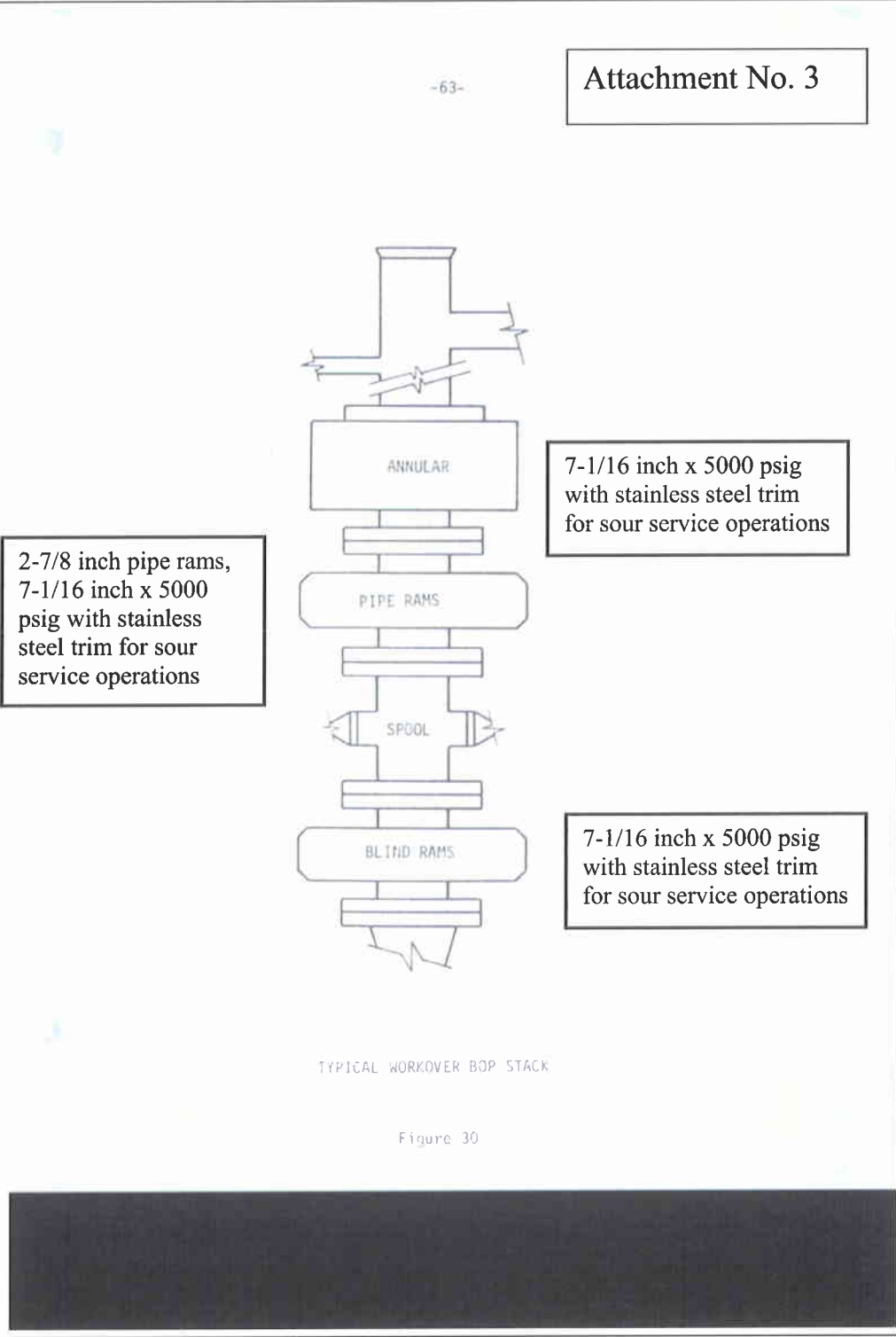


**McELMO CREEK UNIT # M-13**  
**GREATER ANETH FIELD**  
**914' FNL & 411' FEL**  
**SEC 6-T41S-R25E**  
**SAN JUAN COUNTY, UTAH**  
**API 43-037-30320**

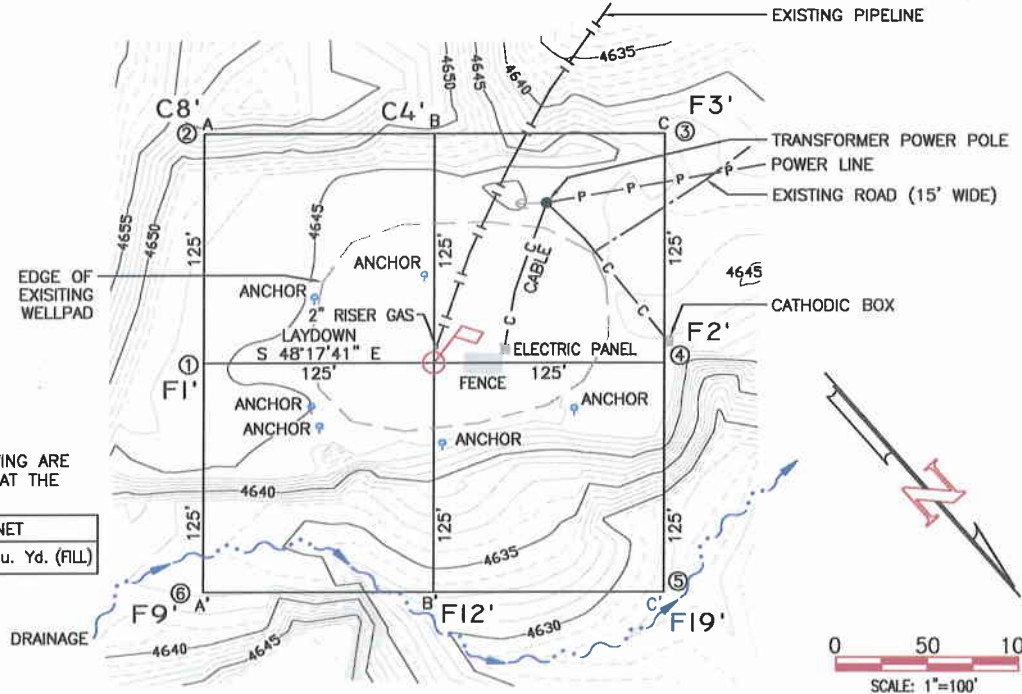
**PRODUCER**



Attachment No. 3

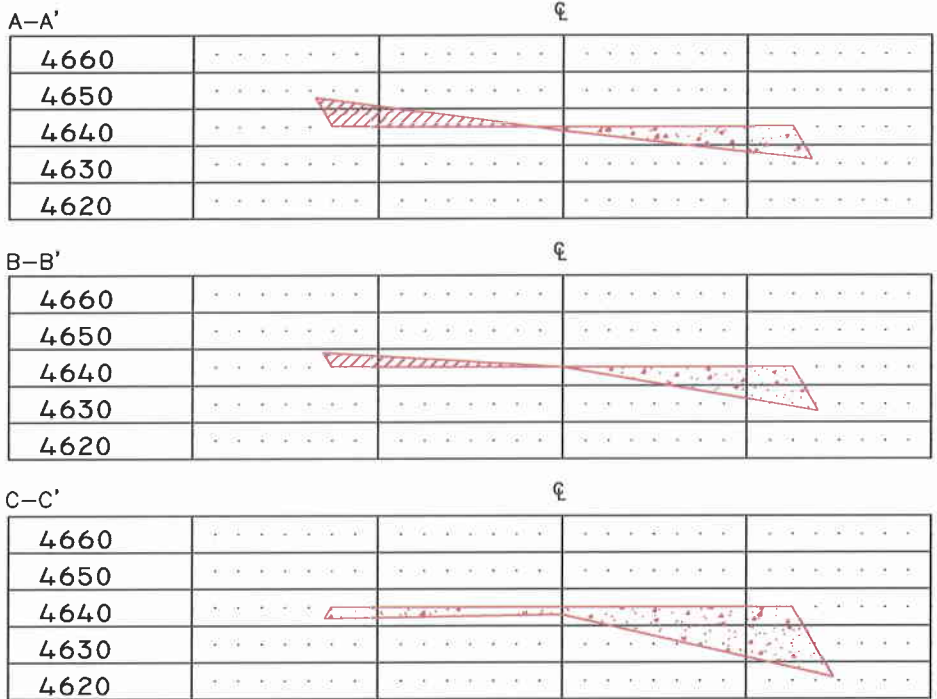


**BEFORE DIGGING  
CALL FOR UTILITY  
LINE LOCATION!**



**NOTE:**  
THE EARTH QUANTITIES ON THIS DRAWING ARE ESTIMATED AND THE USE OF THIS IS AT THE RESPONSIBILITY OF THE USER.

CUT	FILL	NET
1076 Cu. Yd.	12520 Cu. Yd.	11444 Cu. Yd. (FILL)



**CROSS SECTIONS**  
HORIZONTAL: 1"=100'  
VERTICAL: 1"=50'

EXHIBIT 1A

**RESOLUTE**  
NATURAL RESOURCES

LEASE: McELMO CREEK UNIT M-13

FOOTAGES: 914' FNL, 411' FEL

SEC. 6 TWN. 41 S RNG. 25 E S.L.M.

LATITUDE: N 37.2560361° LONGITUDE: W 109.2077468°

ELEVATION: 4645

SURVEYED: 05/14/13

REV. DATE: 06/10/13

APP. BY J.A.V.

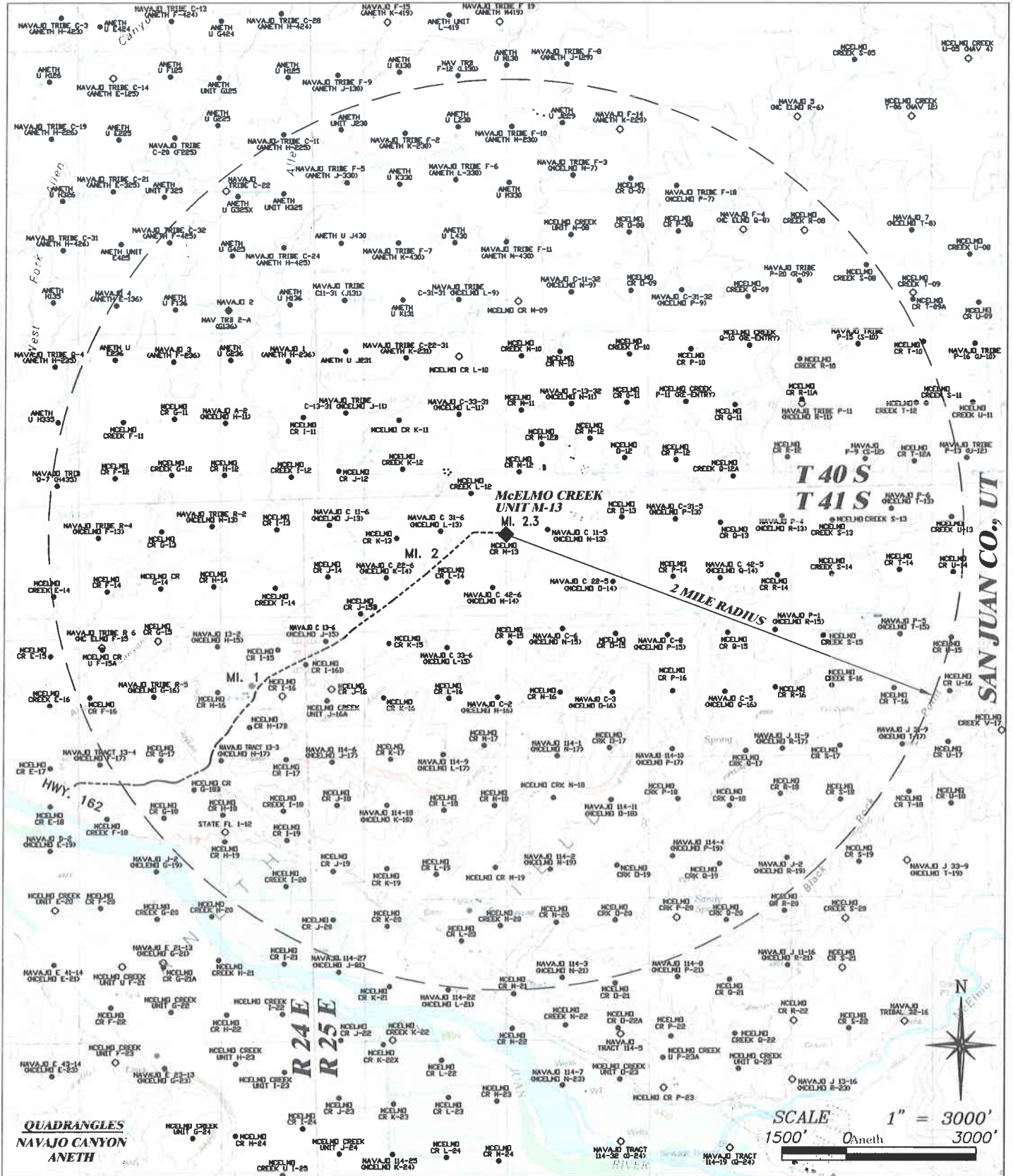
DRAWN BY: H.S.

DATE DRAWN: 05/22/13

FILE NAME: 10504C01



P.O. BOX 3651  
FARMINGTON, NM 87499  
OFFICE: (505) 334-0408



QUADRANGLES  
NAVAJO CANYON  
ANETH



**PROPOSED WELL LOCATION FOR  
RESOLUTE NATURAL RESOURCES  
McELMO CREEK UNIT M-13**

P.O. BOX 3651  
FARMINGTON, N.M.  
(505) 334-0408

SCALE: 1" = 3000'  
JOB No. 10504  
DATE: 05/22/13

EXISTING ROAD   
ACCESS/EGRESS

EXHIBIT  
2A



Sundry Number: 41573 API Well Number: 43037303200000

MCU well and Neighboring Wells

Well No.	DWP No.	WUP # 1906	WUP # 1997	Sec-Twp-Rtg	GPS Coordinates	East (1986)	North (1985)	Acq #	Completed	Comments
M-E (mg)										
13-PTT	PIF	95-626	97-223	17-41S-25E		659230	4121180			Abandoned
2	12-0715	95-630	97-201	17-41S-25E	37° 13 220' N	109° 12 247' N	659410	4120650	29716 A3777	5/16/01
3	12-0716	95-631	97-202	17-41S-25E	37° 13 190' N	109° 12 187' N	659560	4120440	29718 A3777	10/3/01
4	12-0717	95-632	97-203	17-41S-25E	37° 13 160' N	109° 12 147' N	659610	4120230	29716 A3777	10/13/01
5	12-0718	95-633	97-204	17-41S-25E	37° 13 132' N	109° 12 096' N	659630	4120020	29716 A3777	10/19/01
6	12-0719	95-634	97-205	17-41S-25E	37° 13 098' N	109° 12 053' N	659650	4119800	31023 A 3777	4/26/02
7	12-0720	95-612	97-206	17-41S-25E	37° 13 065' N	109° 12 012' N	659725	4119525	31023 A 3777	4/30/02
8	12-0721	95-613	97-207	17-41S-25E	37° 13 033' N	109° 12 969' N	659800	4119295	31023 A 3777	5/4/02
9	12-0722	95-614	97-208	17-41S-25E	37° 13 010' N	109° 11 927' N	659860	4119030	31023 A 3777	5/8/02
10	12-0723	95-615	97-209	17-41S-25E	37° 12 990' N	109° 11 894' N	659980	4118720	31023 A 3777	5/12/02
11	12-0724	95-616	97-210	17-41S-25E	37° 12 960' N	109° 11 859' N	660060	4118410	29718 31023	11/29/02
12	12-0725	95-617	97-211	17-41S-25E	37° 12 928' N	109° 11 768' N	660125	4118070	29718 A 3777	1/25/02
13	12-0726	95-618	97-212	18-41S-25E	37° 12 432' N	109° 12 415' N	659145	4117010	29718 31023	12/9/02
14	12-0727	95-619	97-213	16-41S-25E	37° 13 436' N	109° 12 478' N	659045	4116100	A-31023	12/12/02
15	12-0728	95-620	97-214	17-41S-25E	37° 13 404' N	109° 12 365' N	659230	4115950	A-31023	12/26/02
16	12-0729	95-621	97-215	17-41S-25E	37° 13 361' N	109° 12 341' N	659205	4115870	A-31023	1/6/03
17	12-0730	95-622	97-216	17-41S-25E	37° 13 312' N	109° 12 329' N	659295	4115765	A-31023	1/12/03
18	12-0731	95-623	97-217	17-41S-25E	37° 13 227' N	109° 12 204' N	659640	4115070	29718 A3777	4/5/03
19	12-0732	95-624	97-218	17-41S-25E	37° 13 002' N	109° 12 907' N	659625	4115030	29716 A3777	4/10/03
20	12-0733	95-625	97-219	17-41S-25E	37° 13 062' N	109° 12 994' N	659760	4115335	29716 A3777	4/17/03
21	12-0734	95-626	97-220	17-41S-25E	37° 13 012' N	109° 12 905' N	659835	4115215	29718	4/19/03
22	12-0735	95-627	97-221	17-41S-25E	37° 13 030' N	109° 12 018' N	659750	4115078	A3777 29718	4/22/03
0-24	12-0736	95-628	97-222	17-41S-25E	37° 13 475' N	109° 12 504' N	659815	4115000		3/14/04
										former oil well, MCU D-24, 13-3/8" surf, 5-5/8" prod. depth, 1200' deep, out of service since 1976, north P&A

Sundry Number: 41573 API Well Number: 43037303200000

Additional Potential Well Yields

Well No.	DWP No.	WUP # 1966	WUP # 1967	Sec-Twp-Rg	GPS Coordinates	East (1966)	North (1966)	Appl #	Completed	Comments
Rutherford										
1	05-0614	95-496	97-224	5-41S-24E	37° 15.333 N 109° 17.603 W	950740	4124380	32-773	11/21/01	
2	05-0615	95-497	97-225	5-41S-24E	37° 15.330 N 109° 17.565 W	950660	4124360	32-773	11/21/01	
3	05-0616	95-498	97-226	5-41S-24E	37° 15.327 N 109° 17.528 W	950580	4124340	32-773	12/21/01	
4	05-0617	95-499	97-227	5-41S-24E	37° 15.324 N 109° 17.490 W	950500	4124320	32-773	12/21/02	
5	05-0618	95-500	97-228	5-41S-24E	37° 15.321 N 109° 17.453 W	950420	4124300	32-773	12/21/02	
6	05-0619	95-501	97-229	5-41S-24E	37° 15.318 N 109° 17.415 W	950340	4124280	32-773	12/21/02	
7	05-0620	95-502	97-230	5-41S-24E	37° 15.315 N 109° 17.378 W	950260	4124260	32-773	12/21/02	
8	05-0621	95-503	97-231	5-41S-24E	37° 15.312 N 109° 17.340 W	950180	4124240	32-773	12/21/02	
9	05-0622	95-504	97-232	5-41S-24E	37° 15.309 N 109° 17.303 W	950100	4124220	32-773	12/21/02	
10	05-0623	95-504	97-233	5-41S-24E	37° 15.306 N 109° 17.265 W	950020	4124200	32-773	12/21/02	
11	05-0624	95-505	97-234	5-41S-24E	37° 15.303 N 109° 17.228 W	949940	4124180	32-773	12/21/02	
12	05-0625	95-506	97-235	5-41S-24E	37° 15.300 N 109° 17.190 W	949860	4124160	32-773	12/21/02	
13	05-0625	95-506	97-235	5-41S-24E	37° 15.300 N 109° 17.153 W	949780	4124140	32-773	12/21/02	
14	05-0626	95-507	97-236	5-41S-24E	37° 15.297 N 109° 17.115 W	949700	4124120	32-773	12/21/02	
15	05-0627	95-508	97-237	5-41S-24E	37° 15.294 N 109° 17.078 W	949620	4124100	32-773	12/21/02	
16	05-0628	95-509	97-238	5-41S-24E	37° 15.291 N 109° 17.040 W	949540	4124080	32-773	12/21/02	
17	05-0629	95-510	97-239	5-41S-24E	37° 15.288 N 109° 17.003 W	949460	4124060	32-773	12/21/02	
18-33	05-0642	95-511	97-240	14-41S-24E	37° 15.285 N 109° 17.965 W	949380	4119050			Water well abandoned 20/01/2005. C/L & Capped
Summary										
		35		operated wells						
		2		not prod	95-528		95-517			
		2		aband	95-529		95-511			
		1		NTU	95-527					
		40		Total Wells as listed in RCMA-55-06						
				WUP 05-406 to 95-528 & 95-202						
Additional Unlisted Wells at Rutherford										
				Sec-Twp-Rg	GPS Coordinates			Appl #	Completed	Comments
				5-41E-24E	37° 15.217 N 109° 16.769 W			32-773	4/22/04	In service
				5-41S-24E	37° 15.220 N 109° 16.888 W			32-773	4/14/04	In Service
				5-41S-24E	37° 15.219 N 109° 16.832 W			32-773		Operable, but has power problems.
				5-41S-24E	37° 15.228 N 109° 17.014 W			32-773	4/25/04	Operable, but has power problems.
		4		Additional unlisted wells						

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/20/2013

API NO. ASSIGNED: 43-037-30320

WELL NAME: MCELMO CR M-13  
 OPERATOR: RESOLUTE NATURAL ( N2700 )  
 CONTACT: SHERRY GLASS

PHONE NUMBER: 303-573-4886

PROPOSED LOCATION:  
 NENE 06 410S 250E  
 SURFACE: 0914 FNL 0411 FEL  
 BOTTOM: 0914 FNL 0411 FEL  
 COUNTY: SAN JUAN  
 LATITUDE: 37.25604 LONGITUDE: -109.20728  
 UTM SURF EASTINGS: 658940 NORTHINGS: 4124782  
 FIELD NAME: GREATER ANETH ( 365 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 2 - Indian  
 LEASE NUMBER: 14-20-603-372  
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: DSCR  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

Plat

Bond: Fed[] Ind[2] Sta[] Fee[]  
 (No. B001263 )

Potash (Y/N)

Oil Shale 190-5 (B) or 190-3 or 190-13

Water Permit  
 (No. 09-0614 )

RDCC Review (Y/N)  
 (Date: )

Fee Surf Agreement (Y/N)

Intent to Commingle (Y/N)

LOCATION AND SITING:

     R649-2-3.

Unit: MCELMO CREEK

     R649-3-2. General  
 Siting: 460 From Qtr/Qtr & 920' Between Wells

     R649-3-3. Exception

Drilling Unit  
 Board Cause No: 152-09  
 Eff Date: 8-27-2003  
 Siting: Susanna's General Siting

     R649-3-11. Directional Drill

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

STIPULATIONS: 1- Lease approved  
 \_\_\_\_\_  
 \_\_\_\_\_

API Number: 4303730320

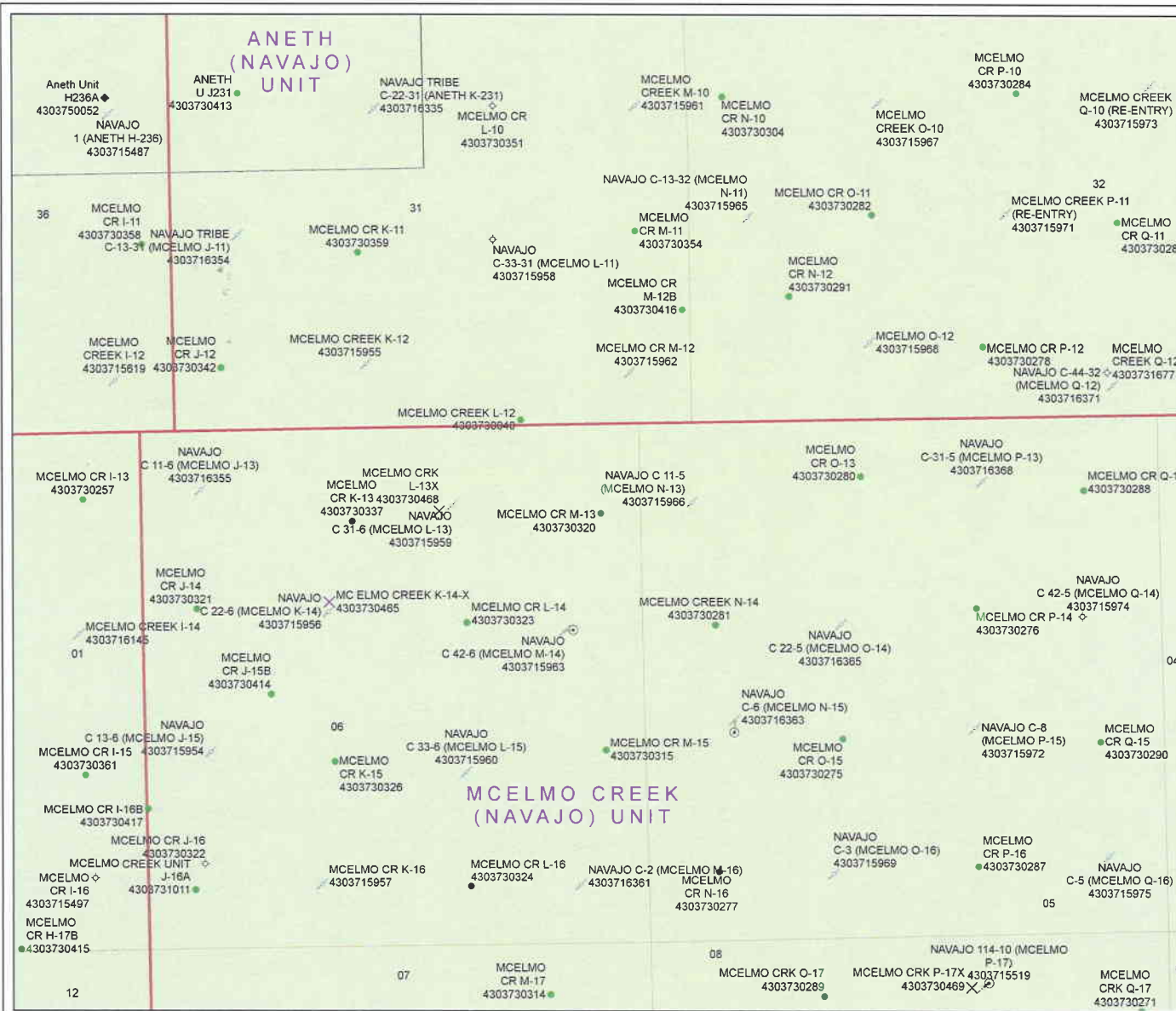
Well Name: MCELMO CR M-13

Township T41.0S Range R25.0E Section 06

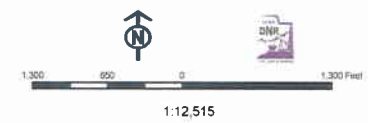
Meridian: SLBM

Operator: RESOLUTE NATURAL RESOURCES

Map Prepared:  
Map Produced by Diana Mason



Units	STATUS
[Symbol]	ACTIVE
[Symbol]	EXPIRATORY
[Symbol]	CRUI STORAGE
[Symbol]	NP PP OIL
[Symbol]	NP SECONDARY
[Symbol]	PP OIL
[Symbol]	PP GAS
[Symbol]	PP GEOTHERM
[Symbol]	PP OIL
[Symbol]	SECONDARY
[Symbol]	TERMINATED





GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 21, 2013

Resolute Natural Resources  
1675 Broadway, Ste 1950  
Denver, CO 80202

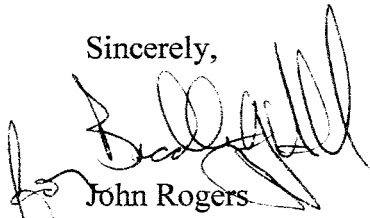
Subject: McElmo CR M-13 Well, 914' FNL, 411' FEL, NE NE, Sec. 6, T. 41 South, R. 25 East, San Juan County, Utah

Ladies and Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-30320.

Sincerely,



John Rogers  
Associate Director

JR/BHG/js  
Enclosures

cc: San Juan County Assessor  
Bureau of Land Management, Monticello Office

**Operator:** Resolute Natural Resources  
**Well Name & Number** McElmo CR M-13  
**API Number:** 43-037-30320  
**Lease:** 14-20-603-372

**Location:** NE NE    **Sec.** 6    **T.** 41 South    **R.** 25 East

### Conditions of Approval

#### 1. General

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

#### 2. Notification Requirements

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

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please let a voicemail message if not available)

OR

Submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office  
(801) 733-0983 after office hours

#### 3. Reporting Requirements

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

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

- #### 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 11, 2014

Resolute Natural Resources  
1675 Broadway Ste 1950  
Denver, CO 80202

43 037 30320  
McElmo CR M-13  
6 AIS 25E

Re: APDs Rescinded for Resolute Natural Resources, San Juan County


Ladies and Gentlemen:

Enclosed find the list of APDs that is being rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Monticello

43-037-15966 NAVAJO C 11-5 (MCELMO N-13) DEEPENING

43-037-16149 NAVAJO P-1 (MCELMO R-15) DEEPENING

43-037-15968 MCELMO O-12 DEEPENING

→ 43-037-30320 MCELMO CR M-13 DEEPENING

43-037-16148 NAVAJO P-4 (MCELMO R-13) DEEPENING



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-372	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAV	
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> MCELMO CREEK	
<b>2. NAME OF OPERATOR:</b>		<b>8. WELL NAME and NUMBER:</b> MCELMO CR M-13	
<b>3. ADDRESS OF OPERATOR:</b> ...		<b>9. API NUMBER:</b> 43037303200000	
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 914 FNL 411 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 6 Township: 41S Range: 25E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH	
		<b>COUNTY:</b> SAN JUAN	
		<b>STATE:</b> UTAH	
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/6/2018</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input checked="" 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 type="text"/>
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>			
<p>Elk Operating Services, LLC respectfully submits this Notice of Intent to deepen the MCU M-13 well in order to gain access to additional pay within the Desert Creek formation, specifically the Desert Creek II-C, which was not accessed when the well was originally drilled. Well History: Well was spud on 11/5/1976 as a 40-Acre Infill Well Current Status: Producing from Desert Creek I Job Scope: Deepen and complete Desert Creek II-C via open hole and produce well. Recompletion Procedure (Sundry - Notice of Intent) 1. MIRU. 2. Pull &amp; LD production equipment. 3. Clean out to 5,514' (PBSD). 4. Drill 4-3/4" open hole (vertical) from 5,514' to 5,673' MD/TVD into the Chimney Rock Shale. 5. Install production tubing and pump assembly 6. RDMO. 7. Return well to production. Attachments include the original well/location plat, the proposed procedures as well as the existing and proposed wellbore diagrams.</p>			
<b>NAME (PLEASE PRINT)</b> Sherri Robbins		<b>PHONE NUMBER</b> 303-861-6255	<b>TITLE</b> EHS Coordinator
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/6/2018	

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

**Date:** March 07, 2018

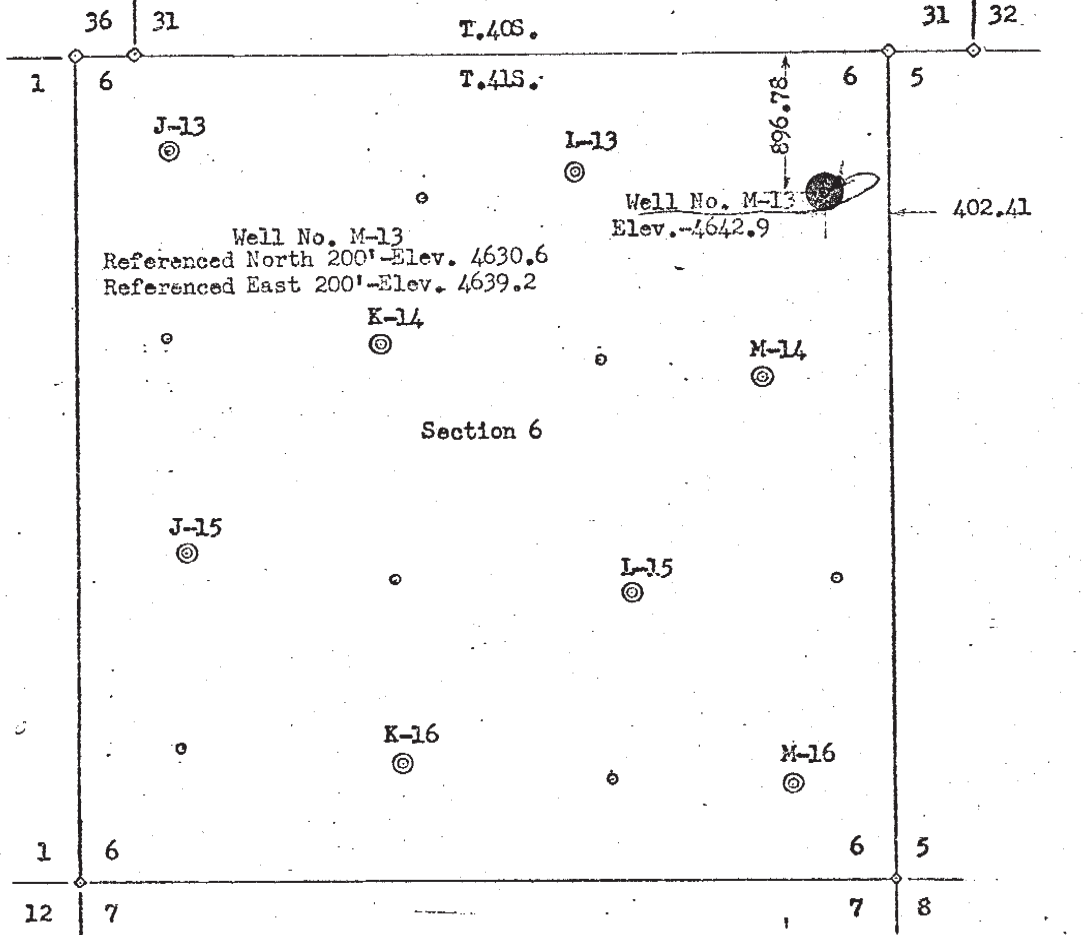
**By:** *Sherri Robbins*

REGISTERED PROFESSIONAL LAND SURVEYING

Superior Oil Company  
August 1976

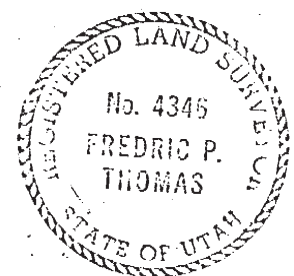
Section 6, T.41S., R.25E., S.L.P.M.

WELL NO. M-13



R.24E.  
R.25E.

- - Proposed Wells
- ⊙ - Existing Wells



THOMAS Engineering Inc.

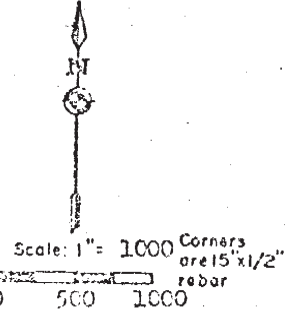
432 N. Broadway  
Cortez, Colorado  
81305

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

*Fredric P. Thomas*

Fredric P. Thomas  
Reg. L.S. and P.E.  
Colo. Reg. No. 5725

Bearing by  
solar  
observation





*Producer Deepening*

**McElmo Creek Unit M-13**

API 43-037-30320

Surface Location: 897' FNL & 402' FEL Sec 6, T41S, R25E San Juan County, Utah

Ground Elevation: 4,643'

Total Depth: 5,515'

PBTD: 5,514'

Open Perfs: 5302-5308' Ismay w/4 spf dtd 08/29/92  
5344-5362' Ismay w/4 spf dtd 08/29/92  
5398-5406' Ismay w/1 spf dtd 07/27/77  
5434-5460' D.C. I w/2 spf dtd 07/27/77  
5470-5476' D.C. I w/2 spf dtd 07/27/77  
5486-5508' D.C. I w/2 spf dtd 07/27/77

Well History: Well was spud on 11/5/1976 as a 40-Acre Infill Well

Current Status: Producing from Desert Creek I

Job Scope: Deepen and complete Desert Creek II-C via open hole and produce well.

**Recompletion Procedure  
(Sundry – Notice of Intent)**

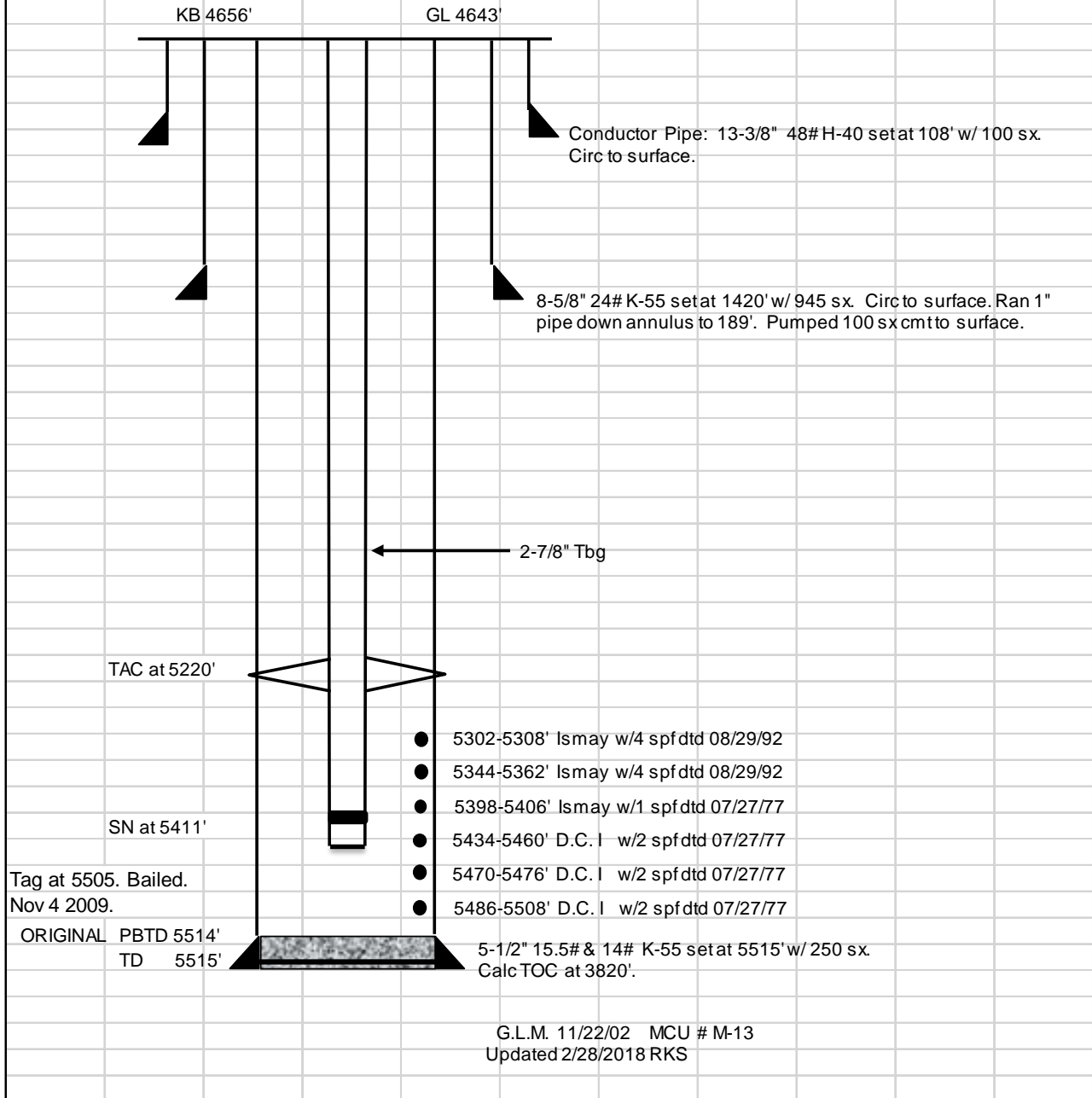
1. MIRU.
2. Pull & LD production equipment.
3. Clean out to 5,514' (PBTD).
4. Drill 4-3/4" open hole (vertical) from 5,514' to 5,673' MD/TVD into the Chimney Rock Shale.
5. Install production tubing and pump assembly
6. RDMO.
7. Return well to production.



**McELMO CREEK UNIT # M-13**  
 GREATER ANETH FIELD  
 897' FNL & 402' FEL  
 SEC 6-T41S-R25E  
 SAN JUAN COUNTY, UTAH  
 API 43-037-30320

PRODUCER

Attachment 1:  
 Current Wellbore

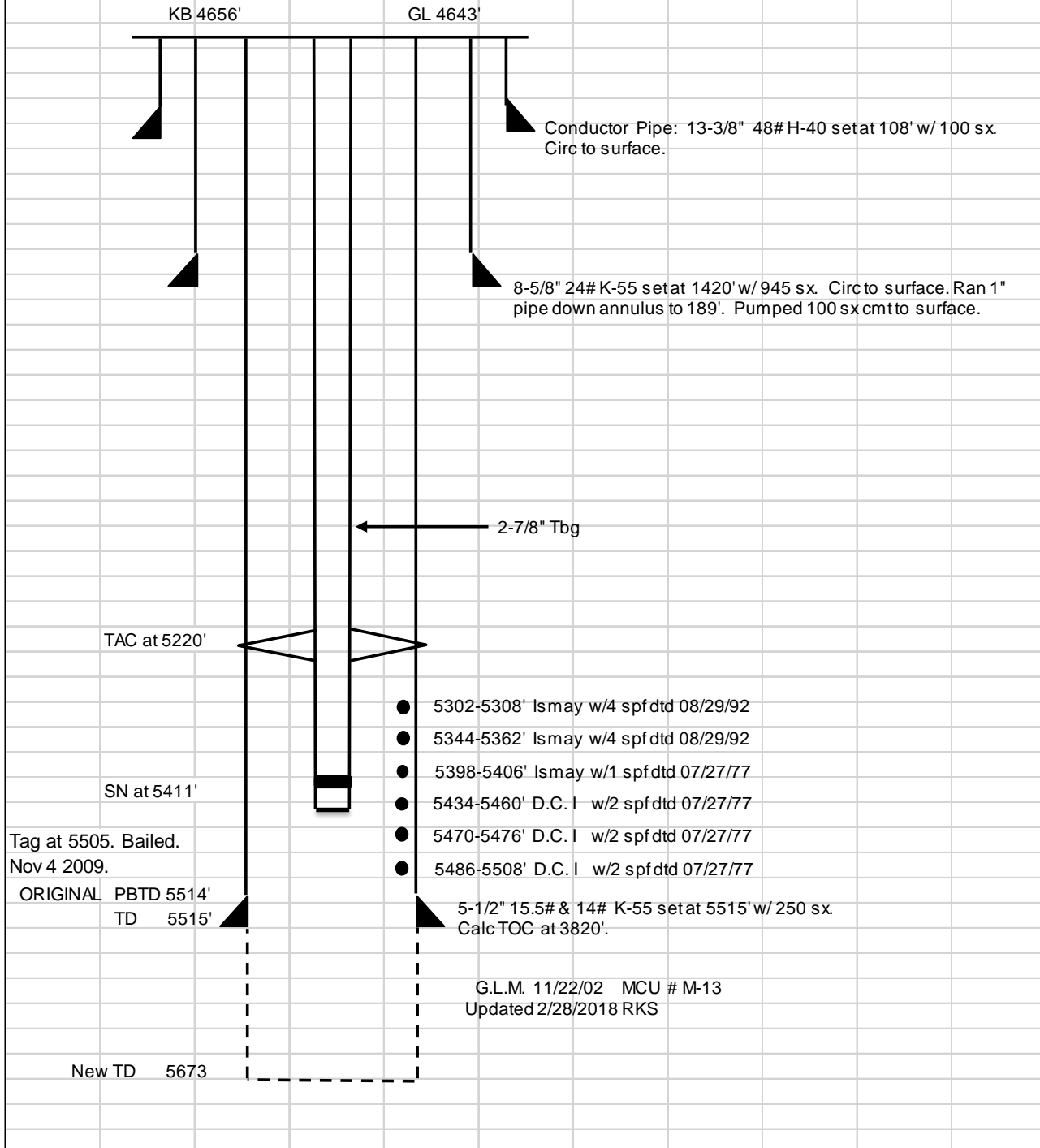




**McELMO CREEK UNIT # M-13**  
**GREATER ANETH FIELD**  
 897' FNL & 402' FEL  
 SEC 6-T41S-R25E  
 SAN JUAN COUNTY, UTAH  
 API 43-037-30320

PRODUCER

Attachment 2:  
 Proposed Wellbore



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-603-372
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> NAV
		<b>7. UNIT or CA AGREEMENT NAME:</b> MCELMO CREEK
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> MCELMO CR M-13	
<b>2. NAME OF OPERATOR:</b> Elk Operating Services, LLC	<b>9. API NUMBER:</b> 43037303200000	
<b>3. ADDRESS OF OPERATOR:</b> 1700 Lincoln, Suite 2950, Denver, CO, 80203	<b>PHONE NUMBER:</b> 303-861-6255	<b>9. FIELD and POOL or WILDCAT:</b> GREATER ANETH
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 914 FNL 411 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 6 Township: 41S Range: 25E Meridian: S	<b>COUNTY:</b> SAN JUAN	
		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/31/2018	<input checked="" type="checkbox"/> DEEPEN	<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"/>
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> 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"/>
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<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"/>
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Elk Operating Services, LLC respectfully submits this Subsequent Sundry as notice that the well deepening for MCU M-13 well was completed on 07/31/2018: 1. Move In Rig Up. 2. Pull & Lay Down production equipment. 3. Clean out to 5517' (PBDT). 4. Drill 4-3/4" open hole (vertical) from 5517' to 5662' MD/TVD into the Chimney Rock Shale. 5. Install production tubing and pump assembly 6. Rig Down Move Out. 7. Return well to production. Attachments include: Current Well Bore Diagram Sonic Logs, Density Logs and Resistivity Logs.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b> September 18, 2018
<b>NAME (PLEASE PRINT)</b> Amy Lopez	<b>PHONE NUMBER</b> 303-861-6255	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/21/2018



**Weatherford**

**COMPENSATED SONIC**

COMPANY	ELK PETROLEUM		
WELL	MCELMO CREEK UNIT #M-13		
FIELD	GREATER ANETH		
PROVINCE/COUNTY	SAN JUAN		
COUNTRY/STATE	U.S.A./UTAH		
LOCATION	897' FNL & 402' FEL		
PERMIT NUMBER	SLB&M SVY		
SEC 6	TWP 41S	RGE 25E	Other Services
Latitude			DUAL NEUTRON
Longitude			ARRAY INDUCTION
ADP Number	43-037-30320		PHOTO-DENSITY
Permanent Datum GL, Elevation	4644 feet		
Log Measured From KB, 12.00 feet above Permanent Datum			Elevations: KB 4656.00
Drilling Measured From KB			DF 4644.00
Date	15-JUL-2018		GL
Run Number	ONE		
Service Order	7263-218772049		
Depth Driller	5662.00	feet	
Depth Logger	5647.00	feet	
First Reading	5629.00	feet	
Last Reading	5518.00	feet	
Casing Driller	5513.00	feet	
Casing Logger	5518.00	feet	
Bit Size	4.750	inches	
Hole Fluid Type	WATER		
Density / Viscosity	---	---	---
FO / Fluid Loss	---	---	---
Sample Source	WATER SUPPLY		
Rm @ Measured Temp	3.47 @ 57.1	ohm-m	
Rmf @ Measured Temp	2.60 @ 57.1	ohm-m	
Rmc @ Measured Temp	5.20 @ 57.1	ohm-m	
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	1.52 @134.0	ohm-m	
Time Since Circulation	---		
Max Recorded Temp	134.00	deg F	
Equipment / Base	13370	ODESSA	
Recorded By	BRIAN GRAHAMANN		
Witnessed By	JASON BURRIS		

**BOREHOLE RECORD**

Last Edited: 14-JUL-2018 14:54

Bit Size inches	Depth From feet	Depth To feet
17.500	0.00	100.00
12.250	100.00	1488.00
7.875	1488.00	5513.00
4.750	5513.00	5662.00

**CASING RECORD**

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	13.375	0.00	100.00	48.00
INTERMED	8.625	0.00	1488.00	24.00
PRODUCT	5.500	0.00	5513.00	14.00

**REMARKS**

-TOOLS RAN RUN ONE: MAI, MSS, MFE, MISD, MCG, SHA, MTA RAN IN COMBINATION  
 -TOOLS RAN RUN TWO: MPD, MDN, MVC, MCG, SHA, MTA RAN IN COMBINATION

-HARDWARE  
 RUN ONE:  
 MAI: INLINE CENTRALIZER  
 RUN TWO:  
 MDN: DUAL ECCENTRALIZER

-FLUID LEVEL OBSERVED AT 1574' ON BOND LOG

LOGS CORRELATED TO COMPENSATED NEUTRON DENSITY LOG RECORDED ON 11-24-79 BY CG INTERNATIONAL

-2.71 AND 2.87 G/CC MATRIX DENSITY USED TO CALCULATE POROSITY

-CREW:

ENGINEER: BRIAN GRAHMANN

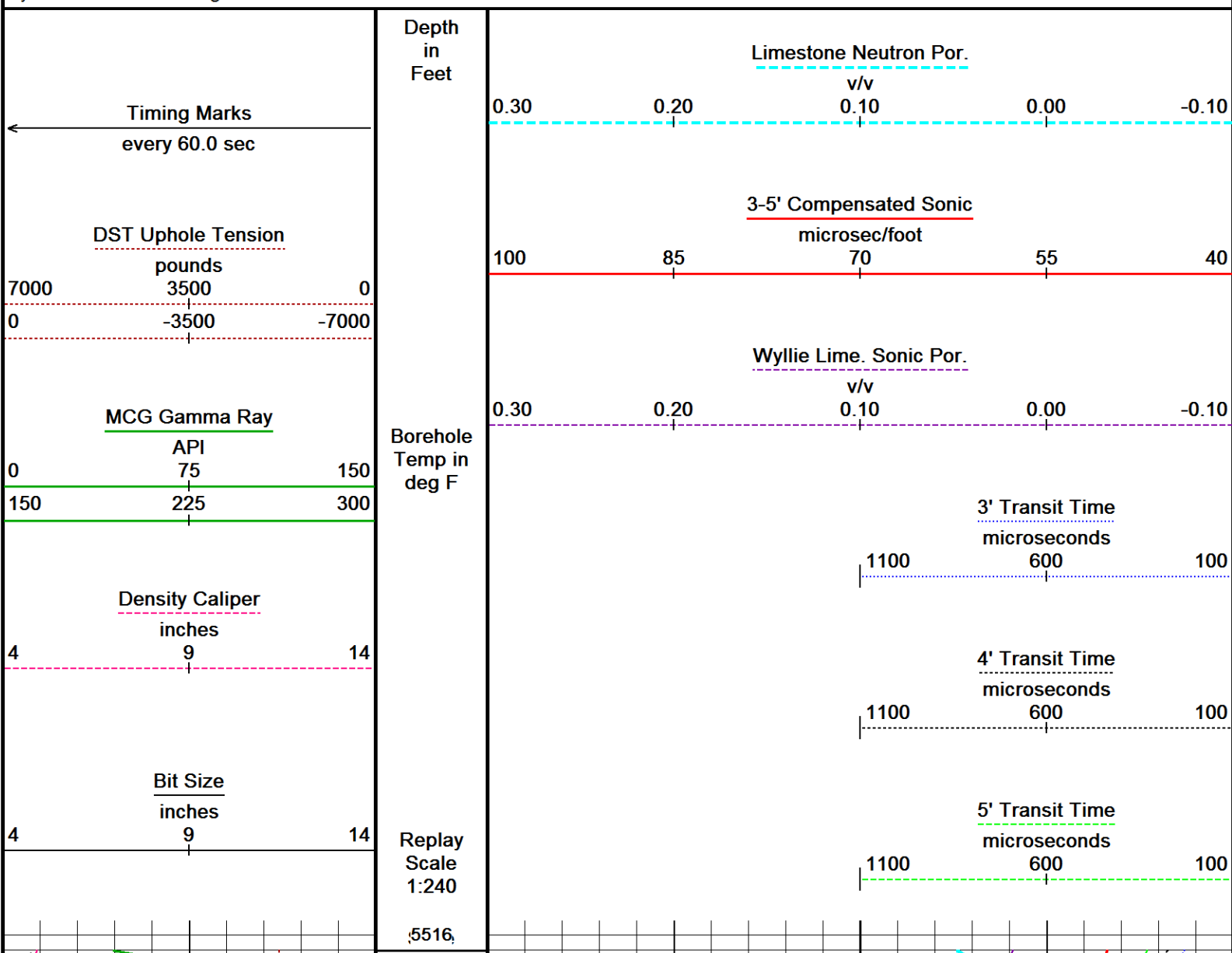
OPERATORS: CODY DORSEY, HECTOR CARRILLO, AHMED LAZIM

SALES ENGINEER: WALTER CAMPBELL

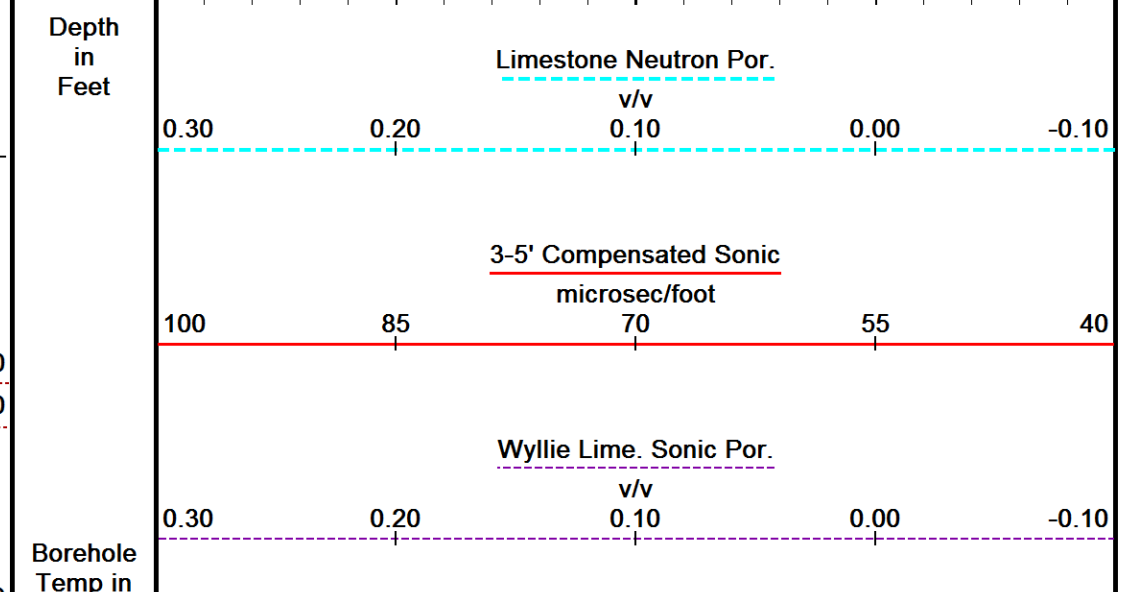
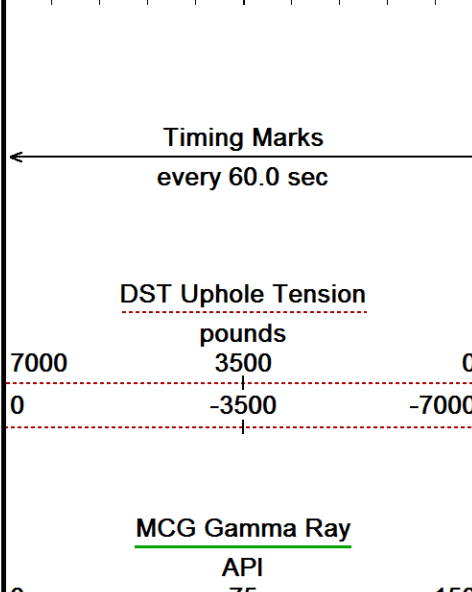
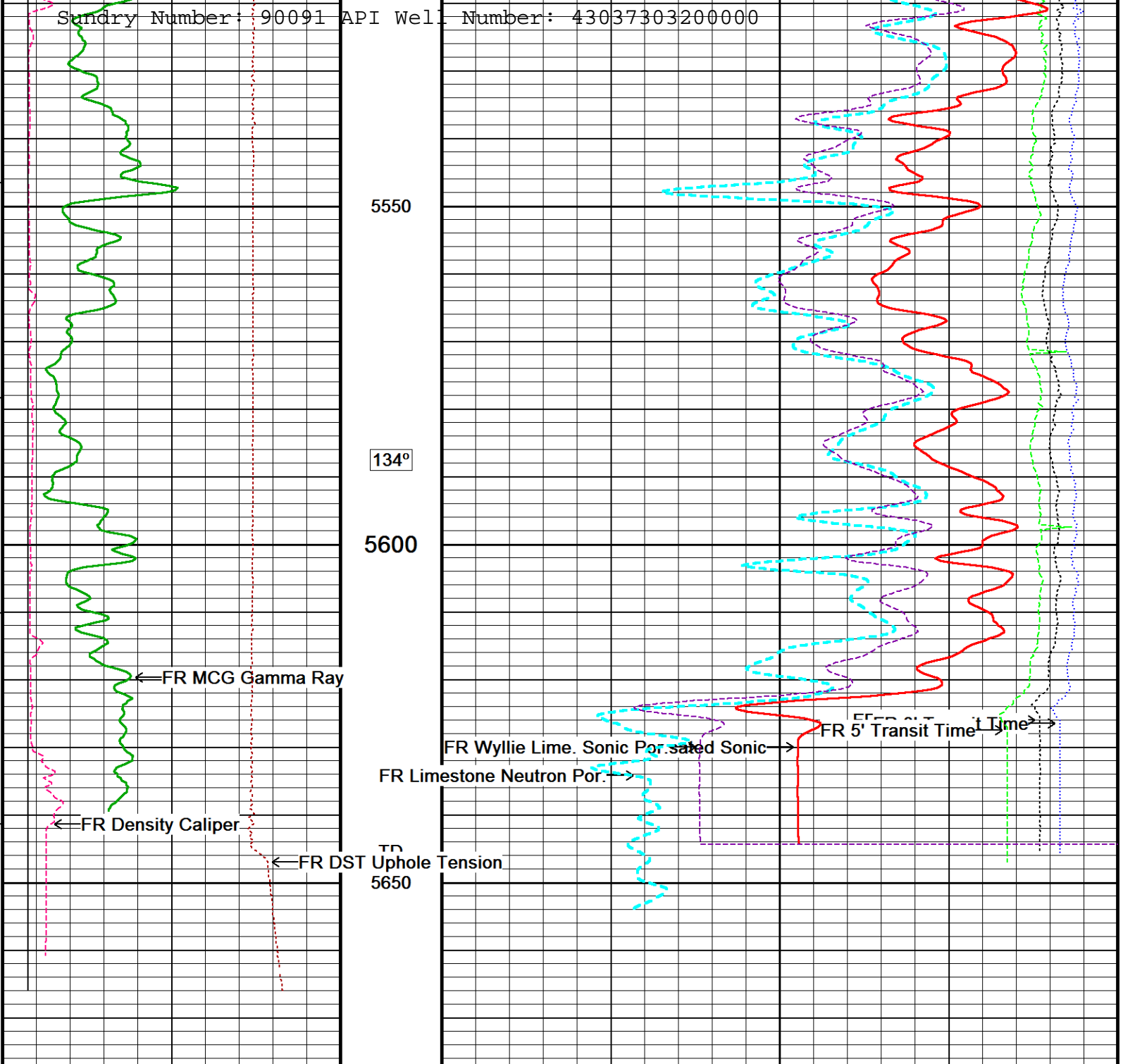
In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

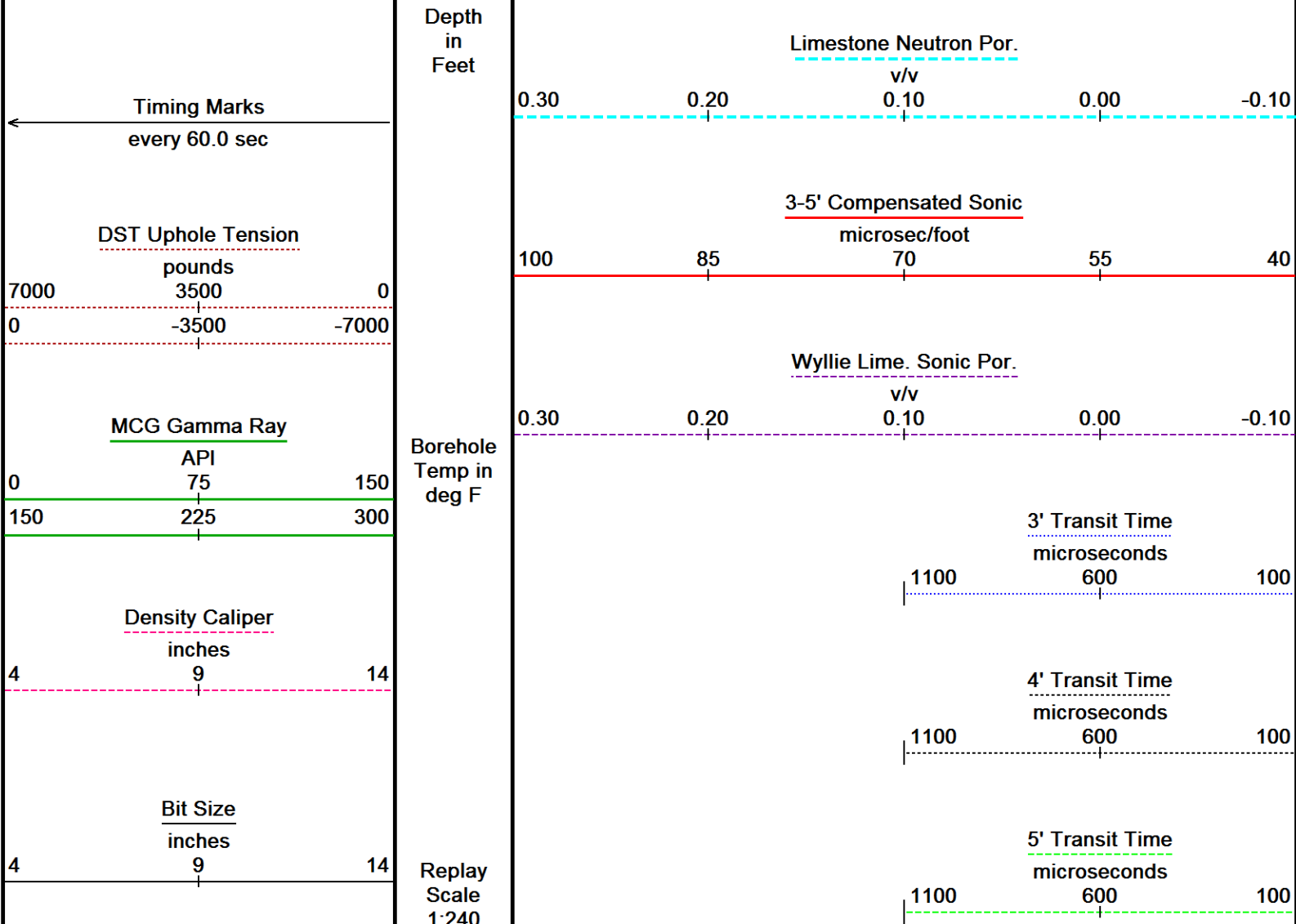
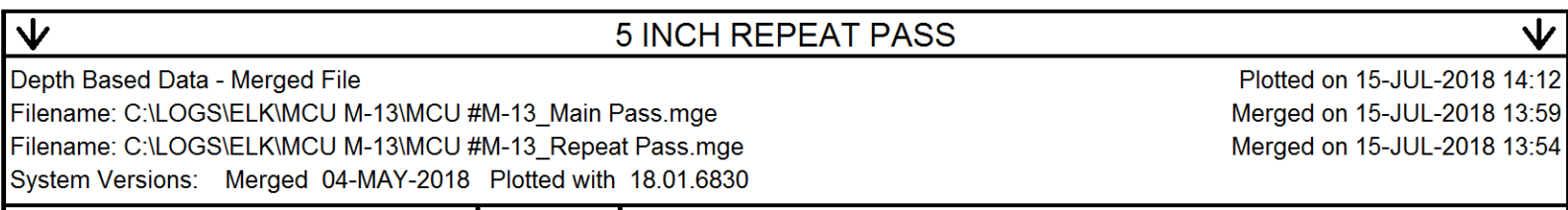
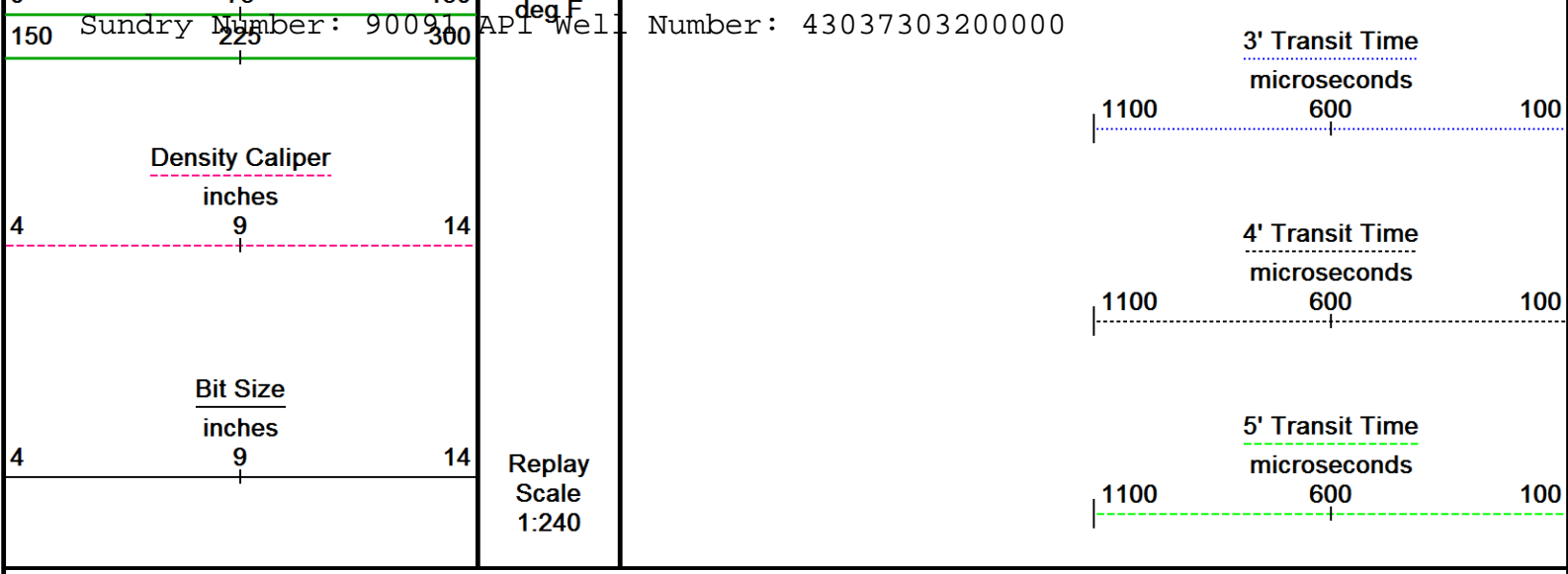
**5 INCH MAIN PASS**

Depth Based Data - Merged File Plotted on 15-JUL-2018 14:12  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 System Versions: Merged 04-MAY-2018 Plotted with 18.01.6830









5516,

5550

134°

5600

← IFR MCG Gamma Ray

← IFR Density Caliper

← IFR DST Uphole Tension

FR Lime:FR Limestone Neutron Por. →

IFR Wyllie Lime. Sonic Por. sated Sonic →

FR 5' Transit Time →

TD  
5650

Depth  
in  
Feet

Timing Marks  
every 60.0 sec

DST Uphole Tension

pounds

7000 3500 0

0 -3500 -7000

Limestone Neutron Por.

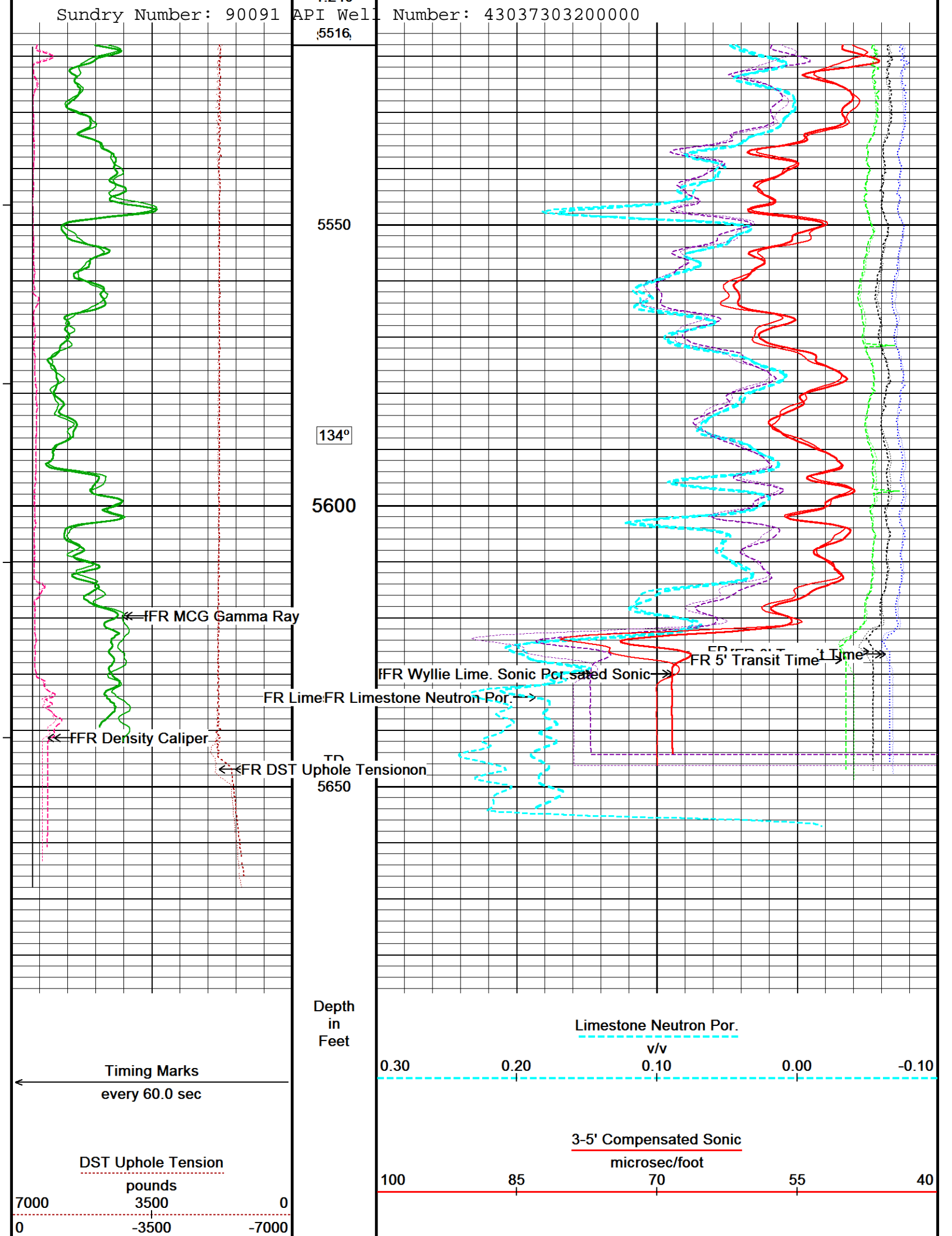
v/v

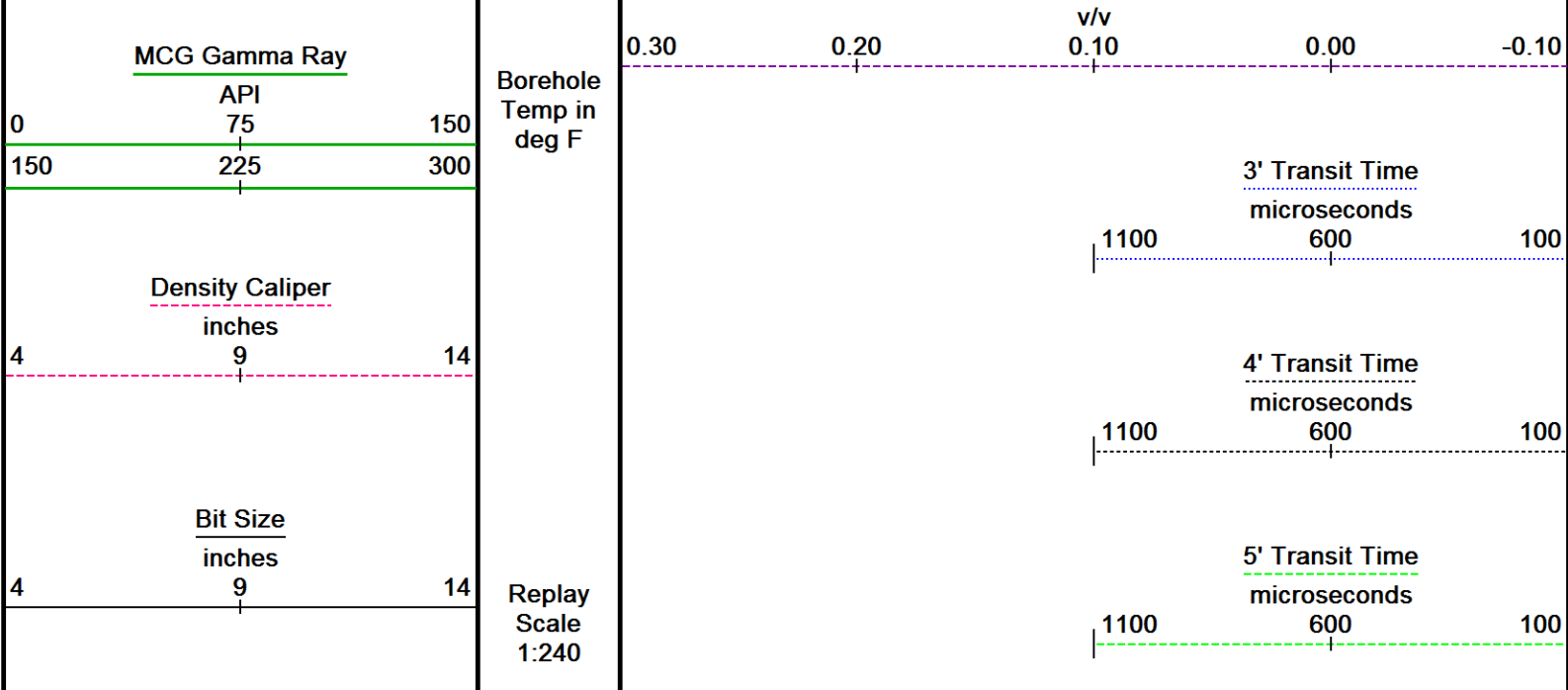
0.30 0.20 0.10 0.00 -0.10

3-5' Compensated Sonic

microsec/foot

100 85 70 55 40





Depth Based Data - Merged File  
 Plotted on 15-JUL-2018 14:12  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge  
 Merged on 15-JUL-2018 13:59  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Repeat Pass.mge  
 Merged on 15-JUL-2018 13:54  
 System Versions: Merged 04-MAY-2018 Plotted with 18.01.6830

5 INCH REPEAT PASS

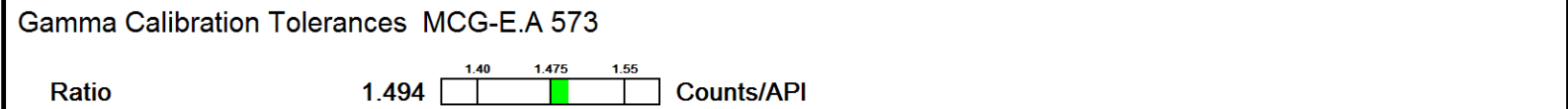
**BEFORE SURVEY CALIBRATION**  
 C:\LOGS\ELK\MCU M-13\MCU M-13\_Resistivity\_Main Pass.dta

General Constants All 000 Last Edited on 15-JUL-2018,08:01

<b>General Parameters</b>		
Mud Resistivity	3.470	ohm-metres
Mud Resistivity Temperature	57.100	degrees F
Water Level	0.000	feet
Borehole Fluid Processing	Wet Hole	
<b>Hole/Annular Volume and Differential Caliper Parameters</b>		
HVOL Method	Single Caliper	
HVOL Caliper 1	None	
HVOL Caliper 2	N/A	
Annular Volume Diameter	0.000	inches
Caliper for Differential Caliper	None	
<b>Rwa Parameters</b>		
Porosity used	Wyllie Lime. Sonic Por.	
Resistivity used	Deep Induction	
RWA Constant A	0.620	
RWA Constant M	2.150	
SW/APOR Tool Source	0.000	

Gamma Calibration MCG-E.A 573 Field Calibration on 04-JUL-2018 13:17

	Measured	Calibrated (API)
Background	39	26
Calibrator (Gross)	756	506
Calibrator (Net)	717	480



Sundry Number: 90091 API Well Number: 43037303200000

Gamma Calibrator Number	GRCC 112	
GRC-M Calibrator Jig in Use?	NO	
Inactive Background Jig in Use?	NO	
Mud Density	1.00	gm/cc
Caliper Source for Processing	Bit Size	
Tool Position	Eccentred	
Potassium Equivalence	Chloride	
K Mud Concentration	0.00	%

High Resolution Temperature Calibration MCG-E.A 573

Field Calibration on 02-JUL-2018,14:25

	Measured	Calibrated(Deg F)
Lower	10.00	10.00
Upper	100.00	100.00

High Resolution Temperature Constants MCG-E.A 573

Last Edited on 28-APR-2018,21:02

Pre-filter Length 11

Sonic Constants MSS-D.A 398

Last Edited on 15-JUL-2018,08:01

Maximum Boundary Contrast	70.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	0.00	micro-sec
MX3FT	1500.00	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft

Sonde Mode	Compensated
Hole Type	Open Hole

Sonde Parameters

	Measured	Calibrated
Offset		0.0000
Free Pipe	0.0000	

Peak Amplitude Source

Waveform	Start Time (micro-sec)	Width (micro-sec)	Pre Gain	Start Gain	Discriminator (mV)
3'	N/A	N/A	N/A	N/A	N/A
4'	N/A	N/A	N/A	N/A	N/A
5'	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A

Processed Fixed Gate Parameters

Waveform Used For Processing	N/A			
Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	Depth (ft)	
0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	
0.00	0.00	0.00	0.00	

Full Waveform Parameters

Use 3' Waveform to derive TR	No
Use 4' Waveform to derive TR	No
Use 5' Waveform to derive TR	No
Use 6' Waveform to derive TR	No
3' Waveform Discriminator Level	0.30 mV
4' Waveform Discriminator Level	0.30 mV
5' Waveform Discriminator Level	0.15 mV
6' Waveform Discriminator Level	0.15 mV

Waveform Discriminator Filter	Not Applied
Seemblance Window Width	150.00 micro-sec

### DOWNHOLE EQUIPMENT

C:\LOGS\ELK\MCU M-13\MCU M-13\_Resistivity\_Main Pass.dta

Cablehead, 11 pin  
 CBH-CA 120 LG: 2.40 ft WT: 24.3 lb OD: 2.240 in

11C-11B Compact Tool Adaptor  
 MTA-K.B 374 LG: 1.53 ft WT: 13.2 lb OD: 2.240 in

Compact Swivel Head Adaptor  
 SHA-J.B 590 LG: 2.30 ft WT: 22.0 lb OD: 2.244 in

Compact Comms Gamma  
 MCG-E.A 573 LG: 8.70 ft WT: 63.9 lb OD: 2.240 in

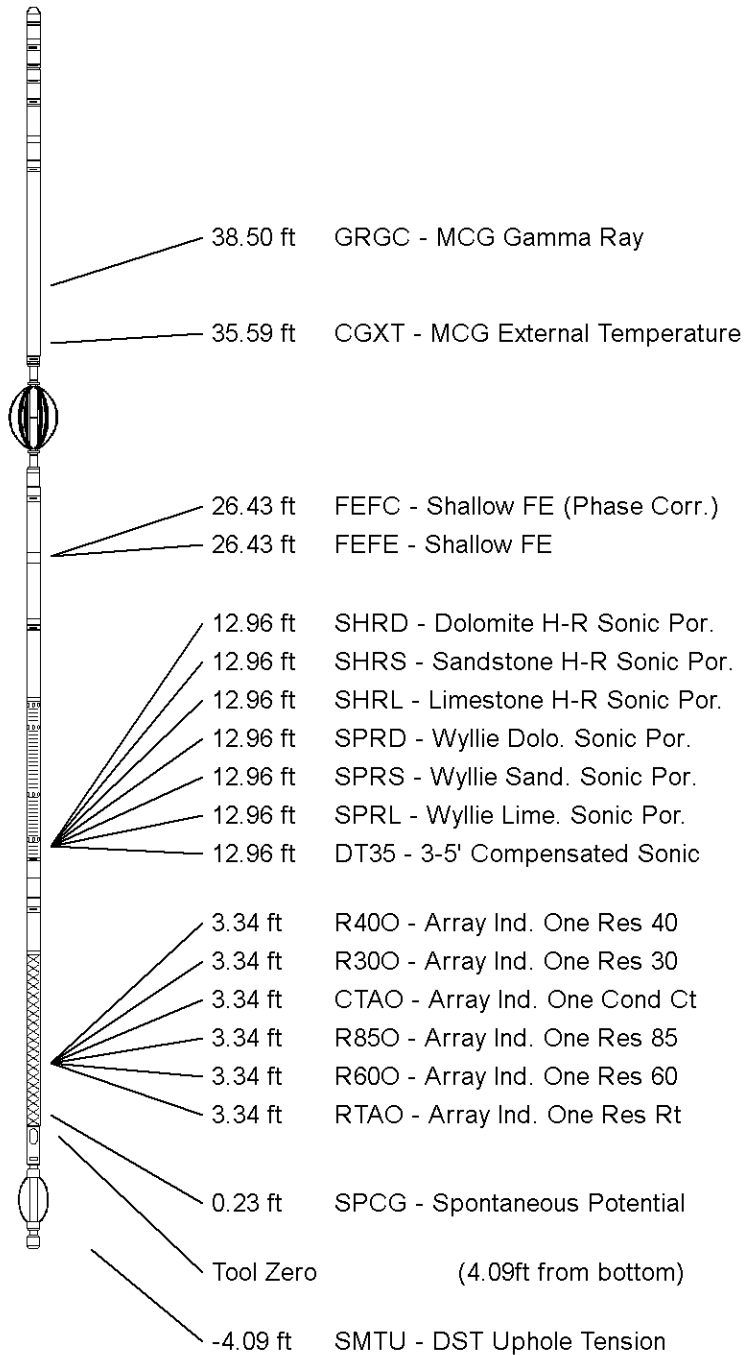
Compact Inline Bowspring sub  
 MIS-D.B 806 LG: 5.70 ft WT: 33.1 lb OD: 2.240 in

Compact Focussed Electric  
 MFE-C.A 425 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Sonic  
 MSS-D.A 398 LG: 12.52 ft WT: 72.8 lb OD: 2.244 in

Compact Induction  
 MAI-C.A 490 LG: 14.76 ft WT: 48.5 lb OD: 2.244 in

Total Length: 53.96 ft Weight: 326.3 lb



All measurements relative to tool zero.

COMPANY	ELK PETROLEUM
WELL	MCELMO CREEK UNIT #M-13
FIELD	GREATER ANETH
PROVINCE/COUNTY	SAN JUAN
COUNTRY/STATE	U.S.A./UTAH

Elevation Kelly Bushing	4656	feet	First Reading	5629.00	feet
Elevation Drill Floor		feet	Depth Driller	5662.00	feet
Elevation Ground Level	4644	feet	Depth Logger	5647.00	feet

Sundry Number: 90091 API Well Number: 43037303200000

COMPENSATED SONIC

**Weatherford**<sup>®</sup>



**Weatherford**

**DUAL NEUTRON  
PHOTO-DENSITY**

COMPANY	ELK PETROLEUM		
WELL	MCELMO CREEK UNIT #M-13		
FIELD	GREATER ANETH		
PROVINCE/COUNTY	SAN JUAN		
COUNTRY/STATE	U.S.A./UTAH		
LOCATION	897' FNL & 402' FEL		
PERMIT NUMBER	SLB&M SVY		
SEC 6	TWP 41S	RGE 25E	Other Services
Longitude	COMPENSATED SONIC		
ADP Number	43-037-30320		
Permanent Datum GL, Elevation 4644 feet	ARRAY INDUCTION		
Log Measured From KB, 12.00 feet above Permanent Datum	Elevations: KB 4656.00		
Drilling Measured From KB	DF 4644.00		
Date	15-JUL-2018		
Run Number	ONE		
Service Order	7263-218772049		
Depth Driller	5662.00 feet		
Depth Logger	5647.00 feet		
First Reading	5643.00 feet		
Last Reading	5518.00 feet		
Casing Driller	5513.00 feet		
Casing Logger	5518.00 feet		
Bit Size	4.750 inches		
Hole Fluid Type	WATER		
Density / Viscosity	---		
FO / Fluid Loss	---		
Sample Source	WATER SUPPLY		
Rm @ Measured Temp	3.47 @ 57.1 ohm-m		
Rmf @ Measured Temp	2.60 @ 57.1 ohm-m		
Rmc @ Measured Temp	5.20 @ 57.1 ohm-m		
Source Rmf / Rmc	CALC	CALC	
Rm @ BHT	1.52 @134.0 ohm-m		
Time Since Circulation	---		
Max Recorded Temp	134.00	deg F	
Equipment / Base	13370	ODESSA	
Recorded By	BRIAN GRAHAMANN		
Witnessed By	JASON BURRIS		

**BOREHOLE RECORD**

Last Edited: 14-JUL-2018 14:54

Bit Size inches	Depth From feet	Depth To feet
17.500	0.00	100.00
12.250	100.00	1488.00
7.875	1488.00	5513.00
4.750	5513.00	5662.00

**CASING RECORD**

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	13.375	0.00	100.00	48.00
INTERMED	8.625	0.00	1488.00	24.00
PRODUCT	5.500	0.00	5513.00	14.00

**REMARKS**

-TOOLS RAN RUN ONE: MAI, MSS, MFE, MISD, MCG, SHA, MTA RAN IN COMBINATION  
 -TOOLS RAN RUN TWO: MPD, MDN, MVC, MCG, SHA, MTA RAN IN COMBINATION

-HARDWARE  
 RUN ONE:  
 MAI: INLINE CENTRALIZER

RUN TWO:  
 MDN: DUAL ECCENTRALIZER

-FLUID LEVEL OBSERVED AT 1574' ON BOND LOG

LOGS CORRELATED TO COMPENSATED NEUTRON DENSITY LOG RECORDED ON 11-21-79 BY CG INTERNATIONAL



-2.71 AND 2.87 G/CC MATRIX DENSITY USED TO CALCULATE POROSITY

-CREW:

ENGINEER: BRIAN GRAHMANN

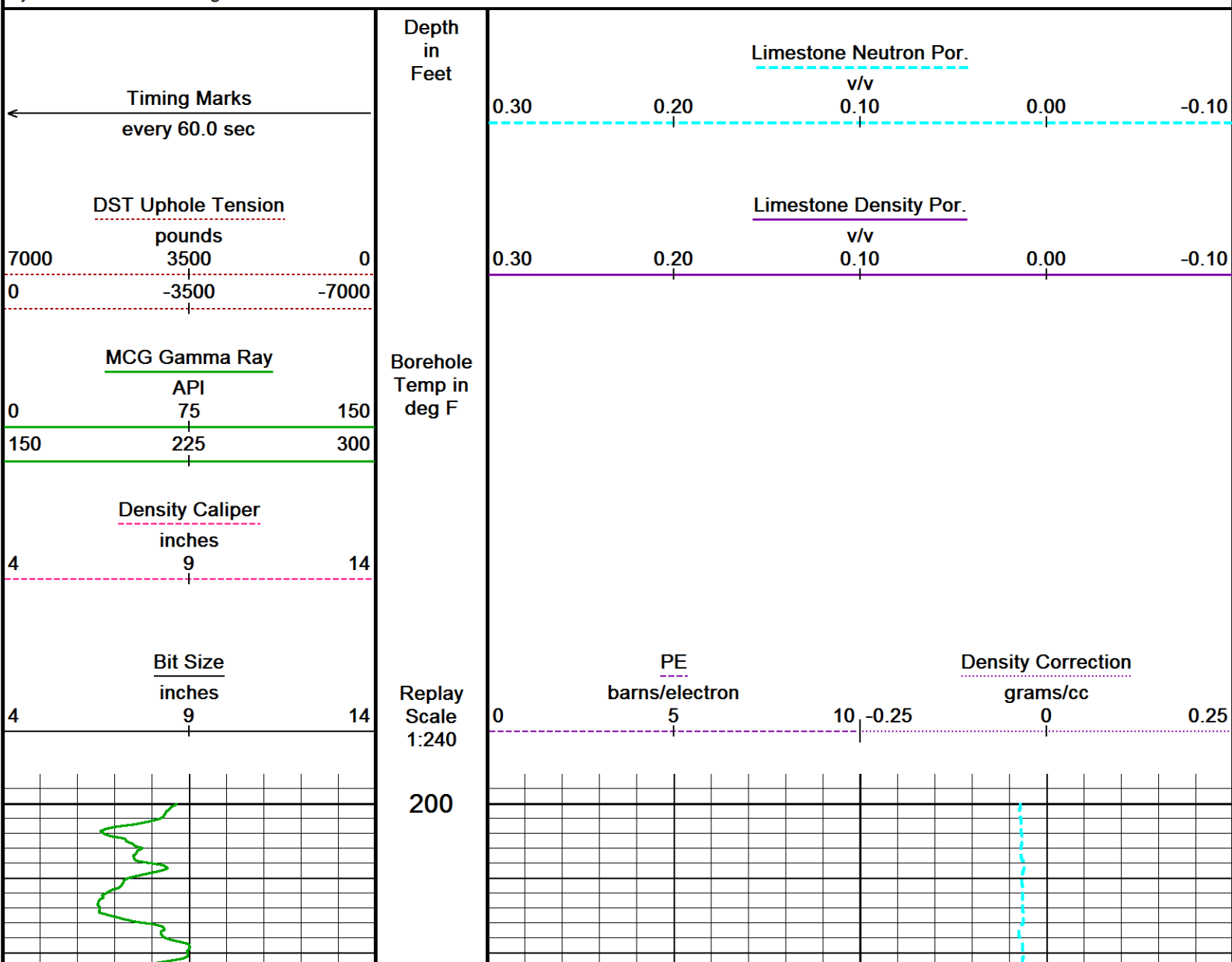
OPERATORS: CODY DORSEY, HECTOR CARRILLO, AHMED LAZIM

SALES ENGINEER: WALTER CAMPBELL

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

↓ **LS 2.71 - 5 INCH MAIN PASS** ↓

Depth Based Data - Merged File Plotted on 18-JUL-2018 00:53  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583



250

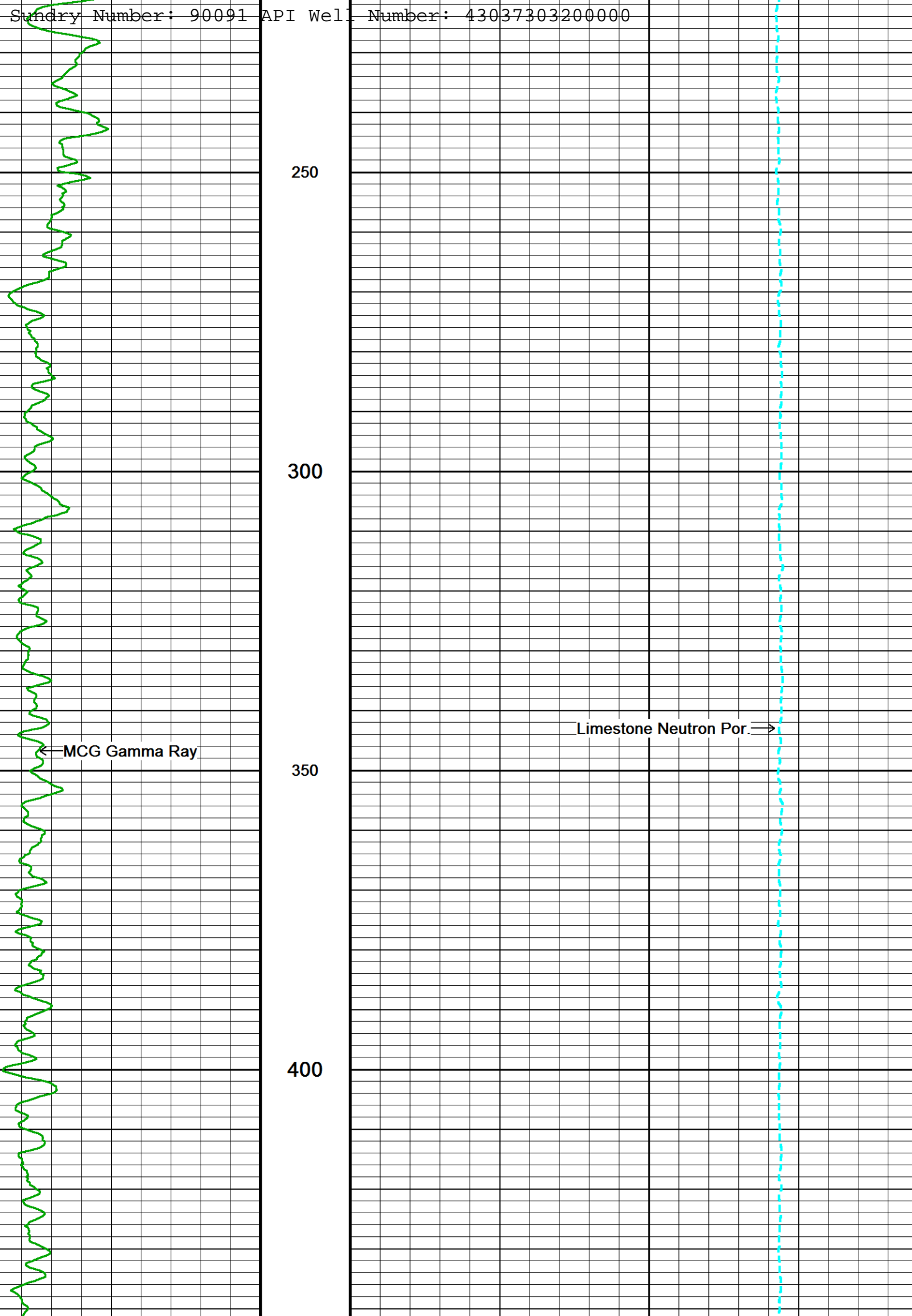
300

350

400

← MCG Gamma Ray

Limestone Neutron Por. →



Sundry Number: 90091 API Well Number: 43037303200000

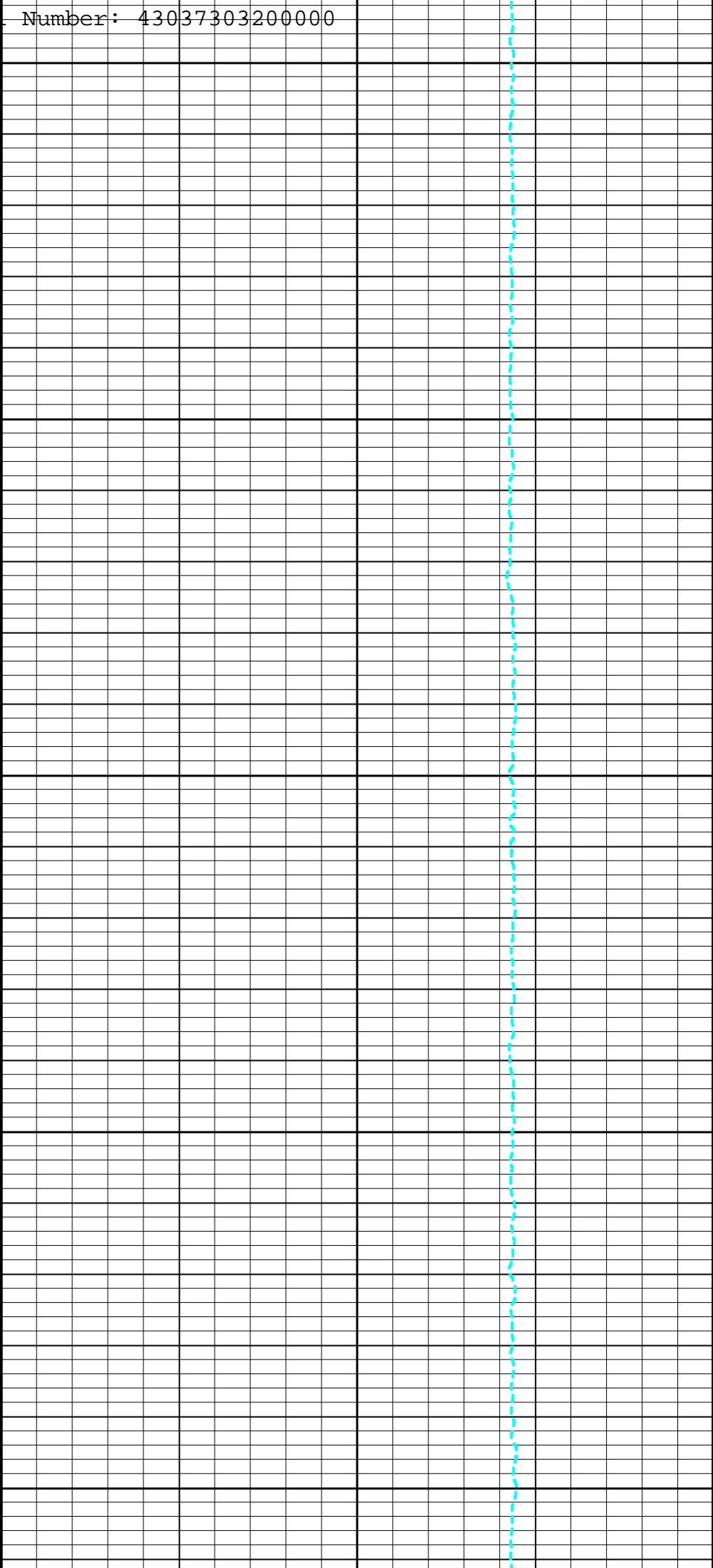
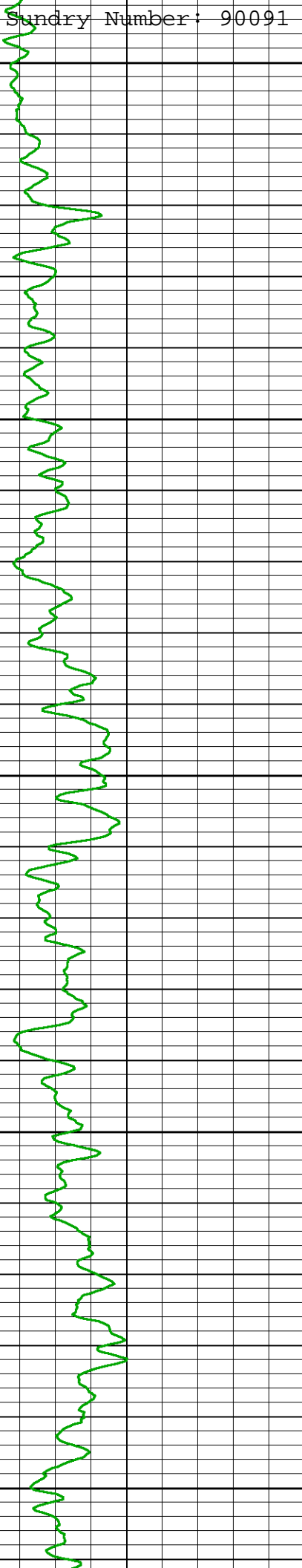
450

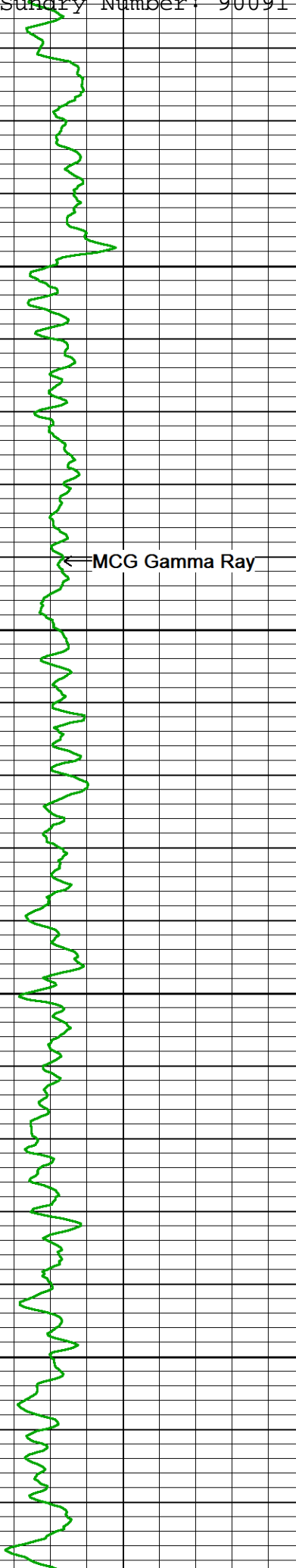
500

550

600

650





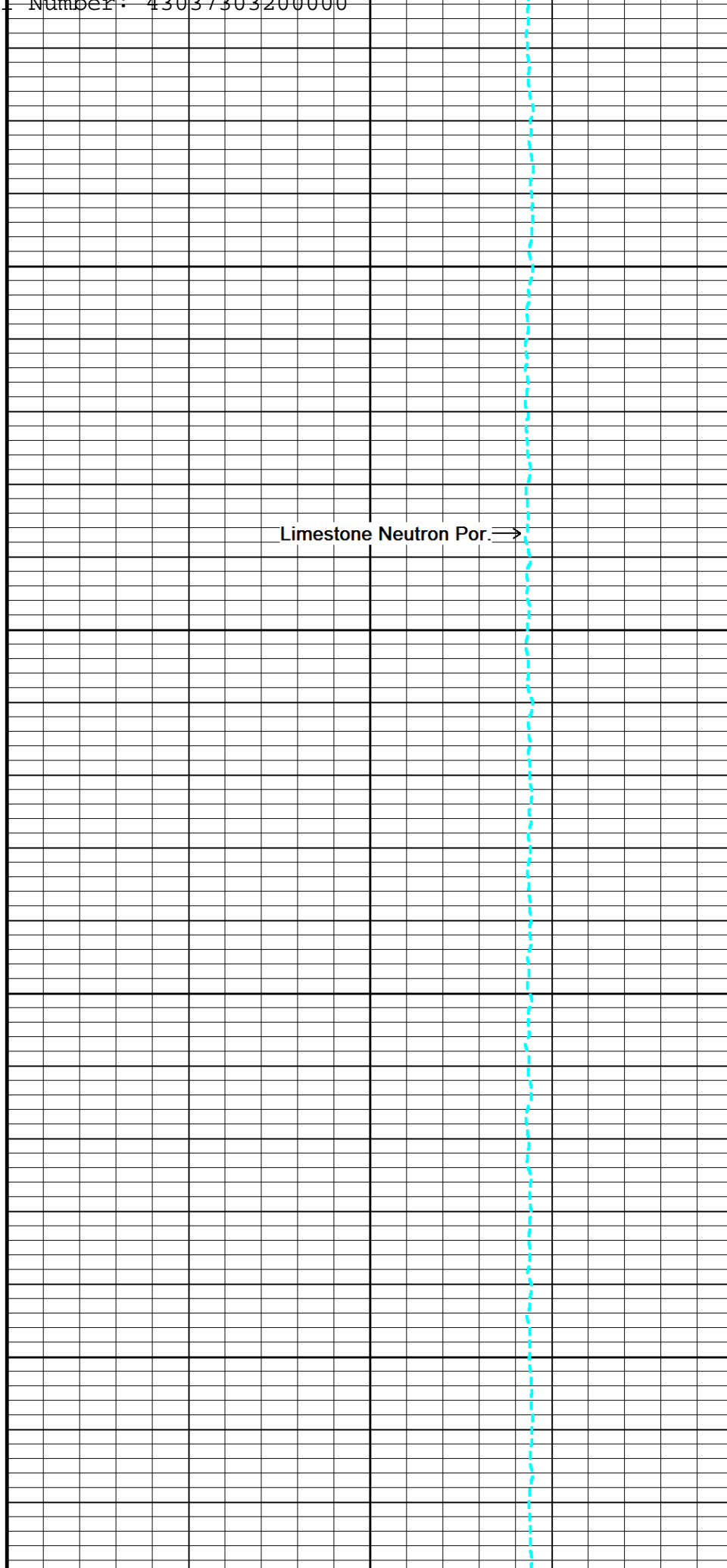
← MCG Gamma Ray

700

750

800

850



Limestone Neutron Por. →

Sundry Number: 90091 API Well Number: 4303730320000

900

950

1000

1050

1100



Sundry Number: 90091 API Well Number: 43037303200000

MCG Gamma Ray

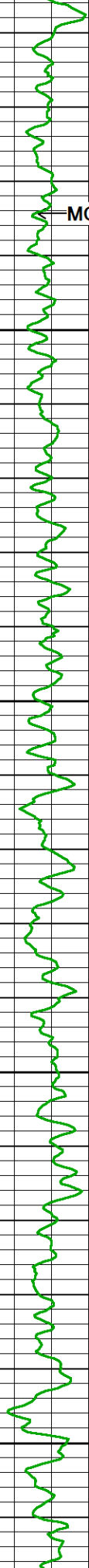
Limestone Neutron Por. =>

1150

1200

1250

1300



1350

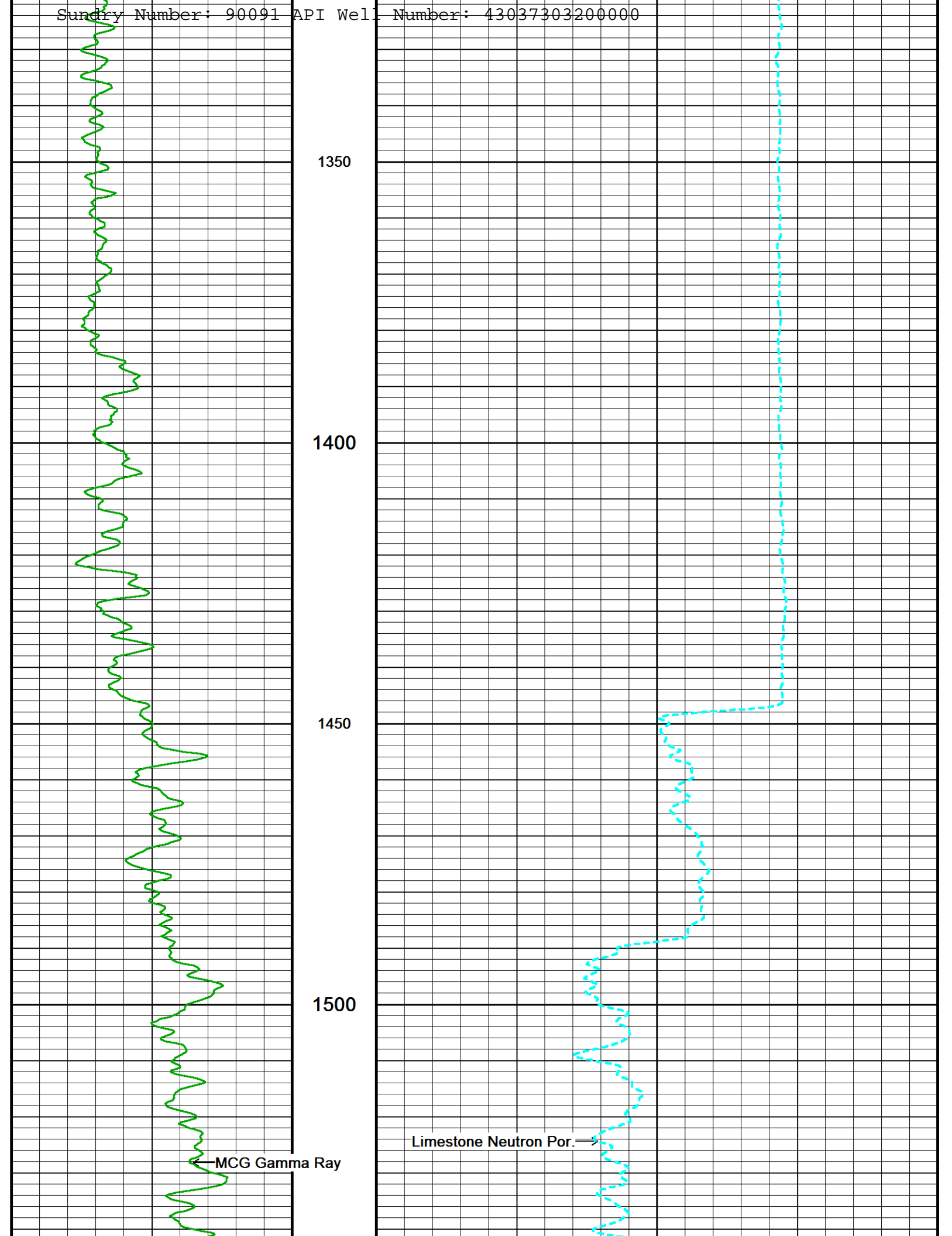
1400

1450

1500

MCG Gamma Ray

Limestone Neutron Por. →



Sundry Number: 90091 API Well

Number: 43037303200000

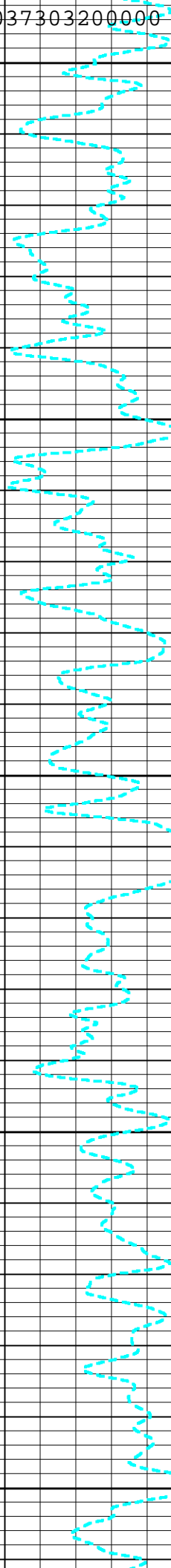
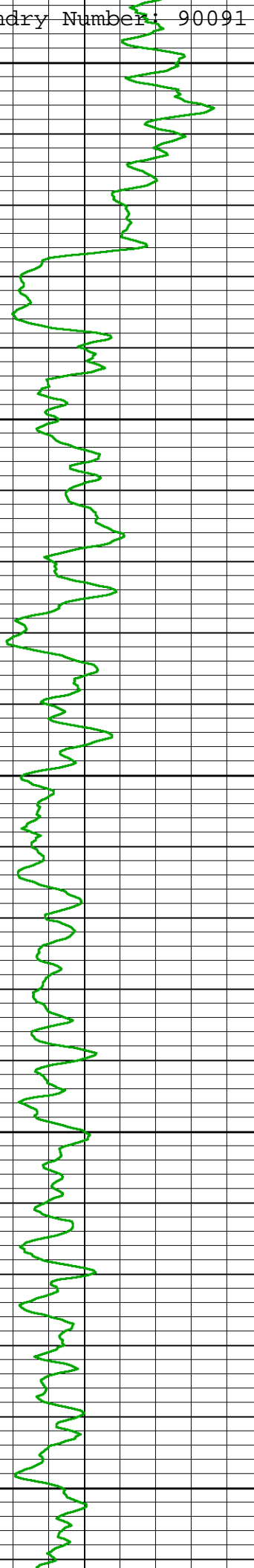
1550

1600

1650

1700

1750





1800

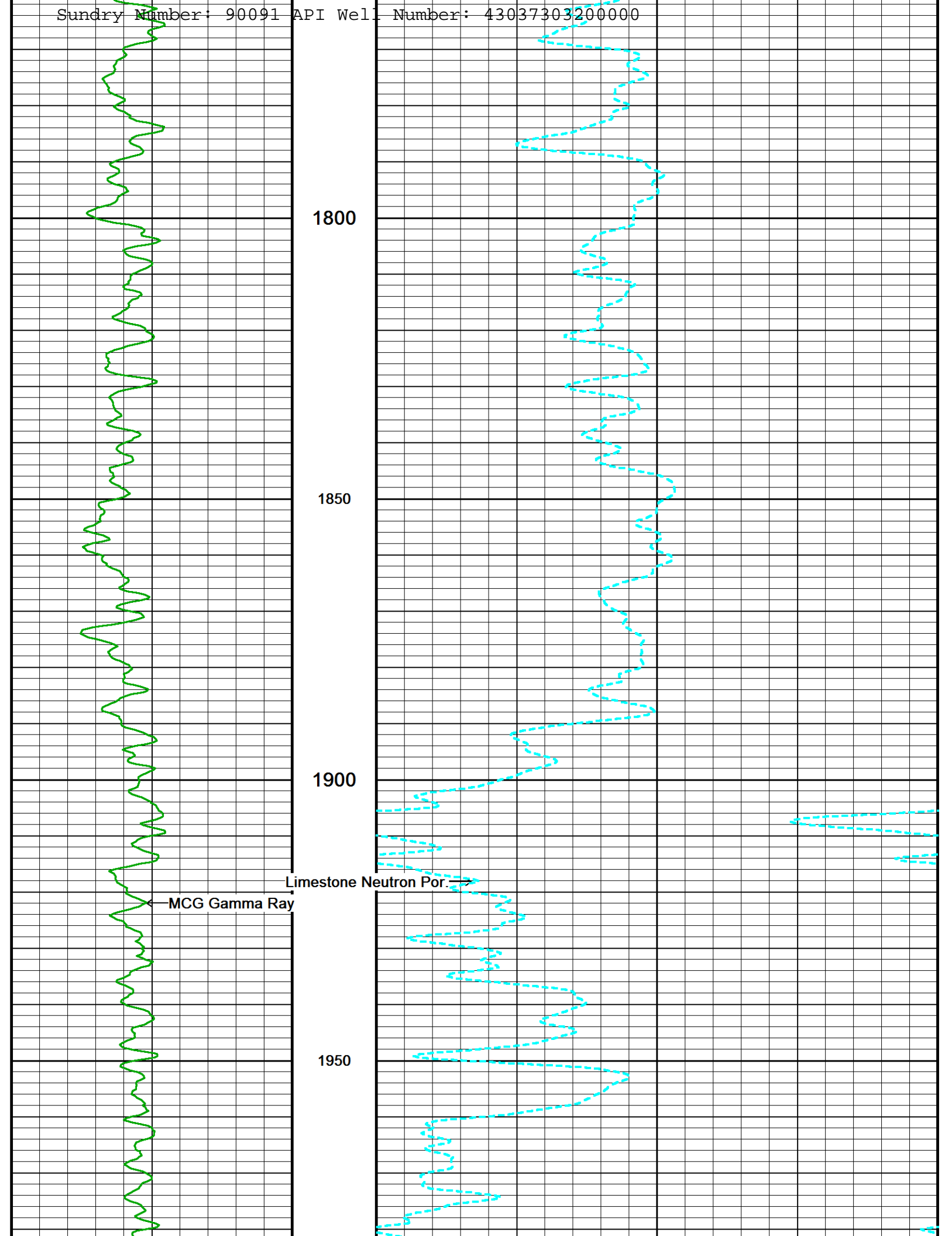
1850

1900

1950

← MCG Gamma Ray

Limestone Neutron Por. →



Sundry Number: 90091 API Well Number: 43037303200000

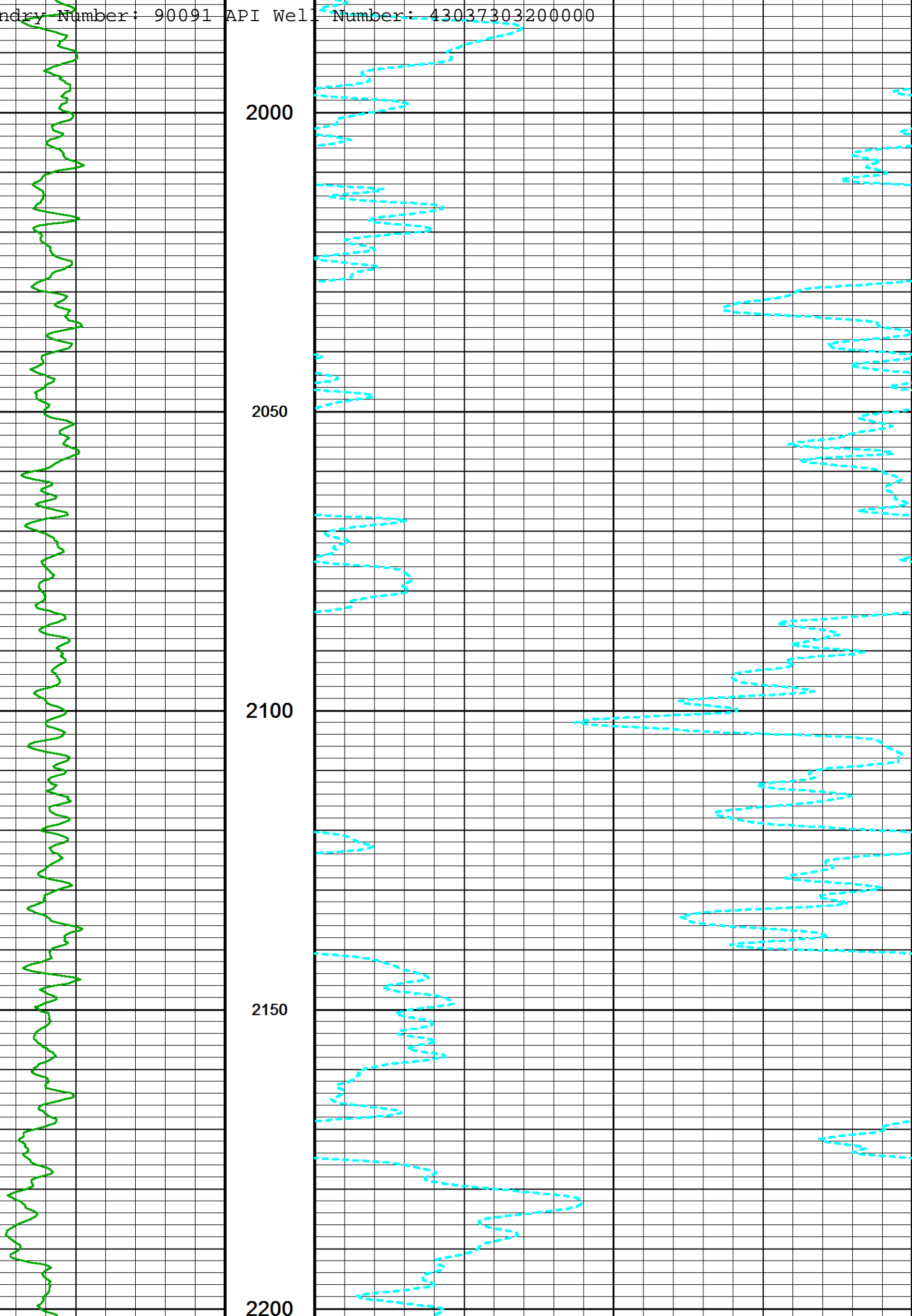
2000

2050

2100

2150

2200



2250

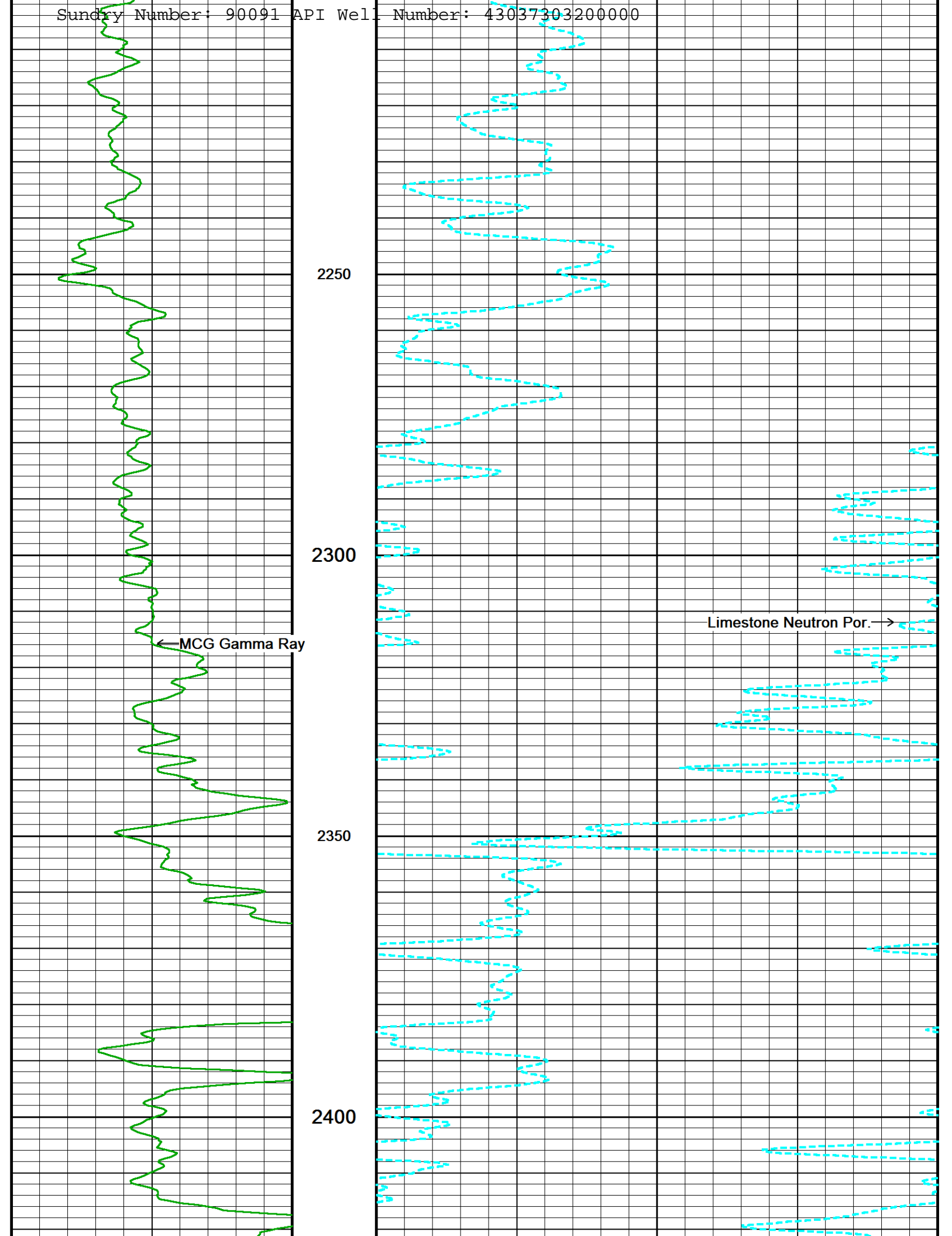
2300

2350

2400

← MCG Gamma Ray

Limestone Neutron Por. →



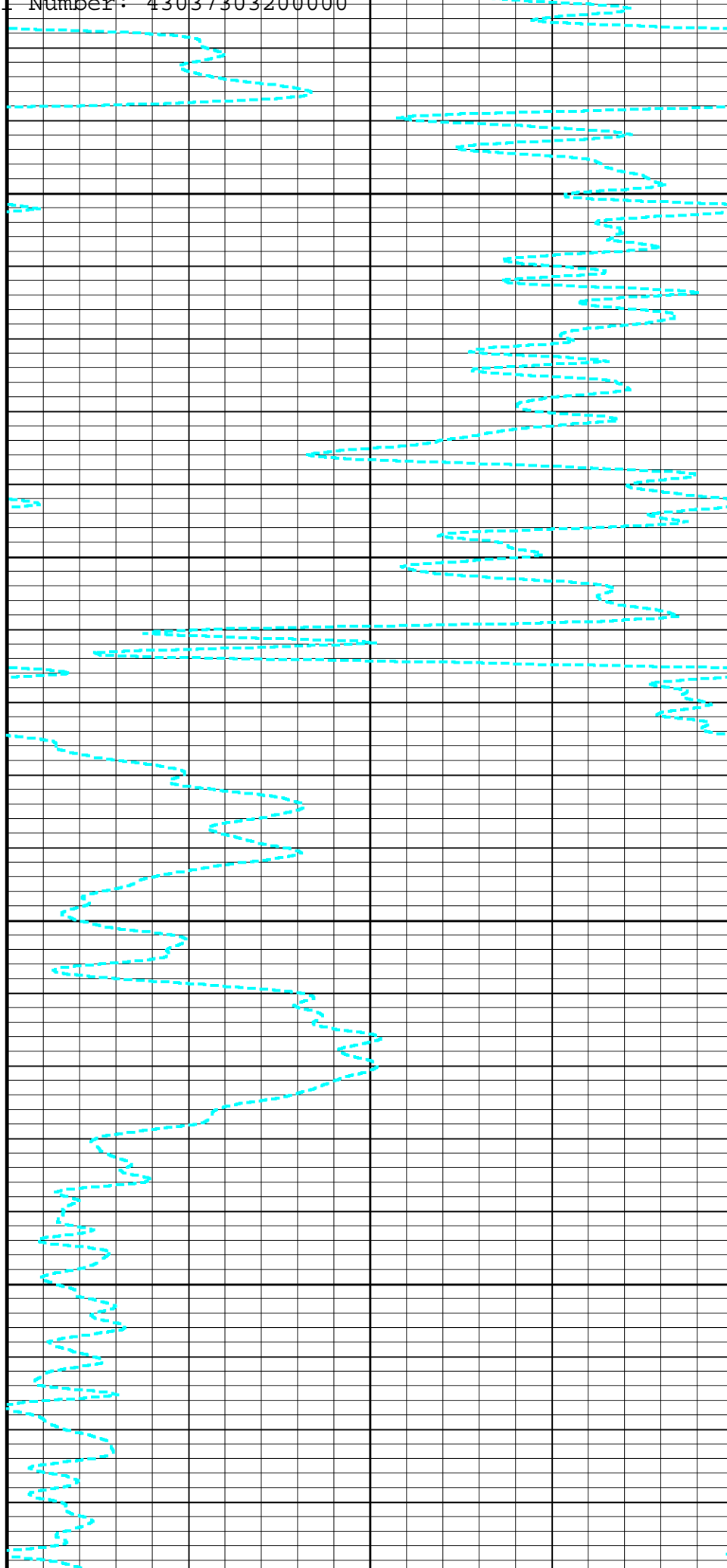
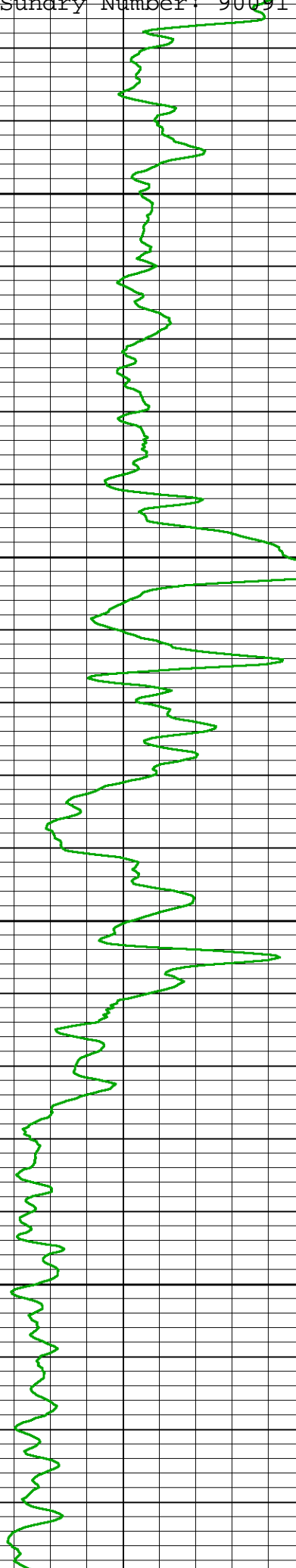
Sundry Number: 90091 API Well Number: 43037303200000

2450

2500

2550

2600



2650

2700

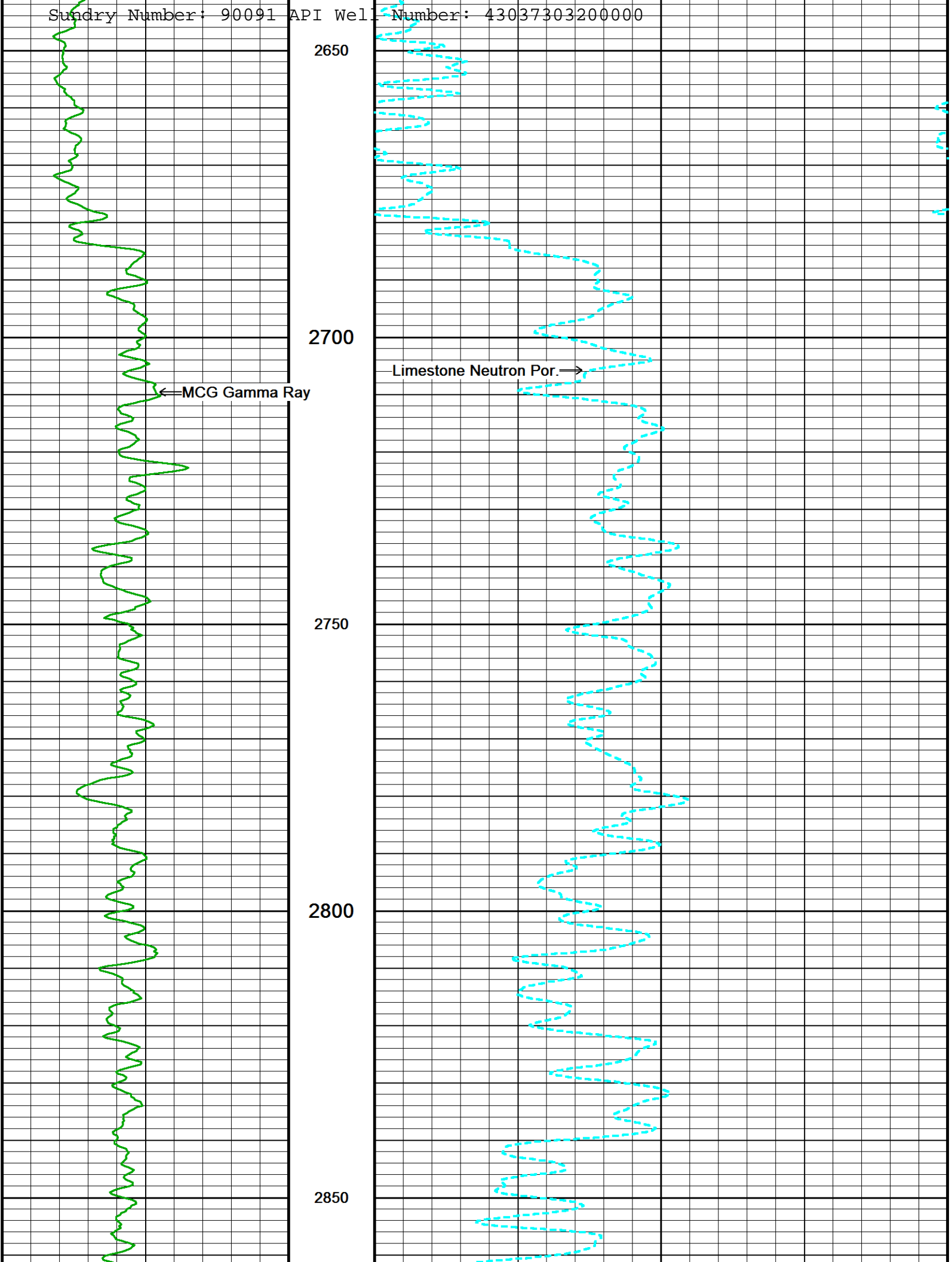
2750

2800

2850

← MCG Gamma Ray

Limestone Neutron Por. →



Sundry Number: 90091 API Well Number: 43037303200000

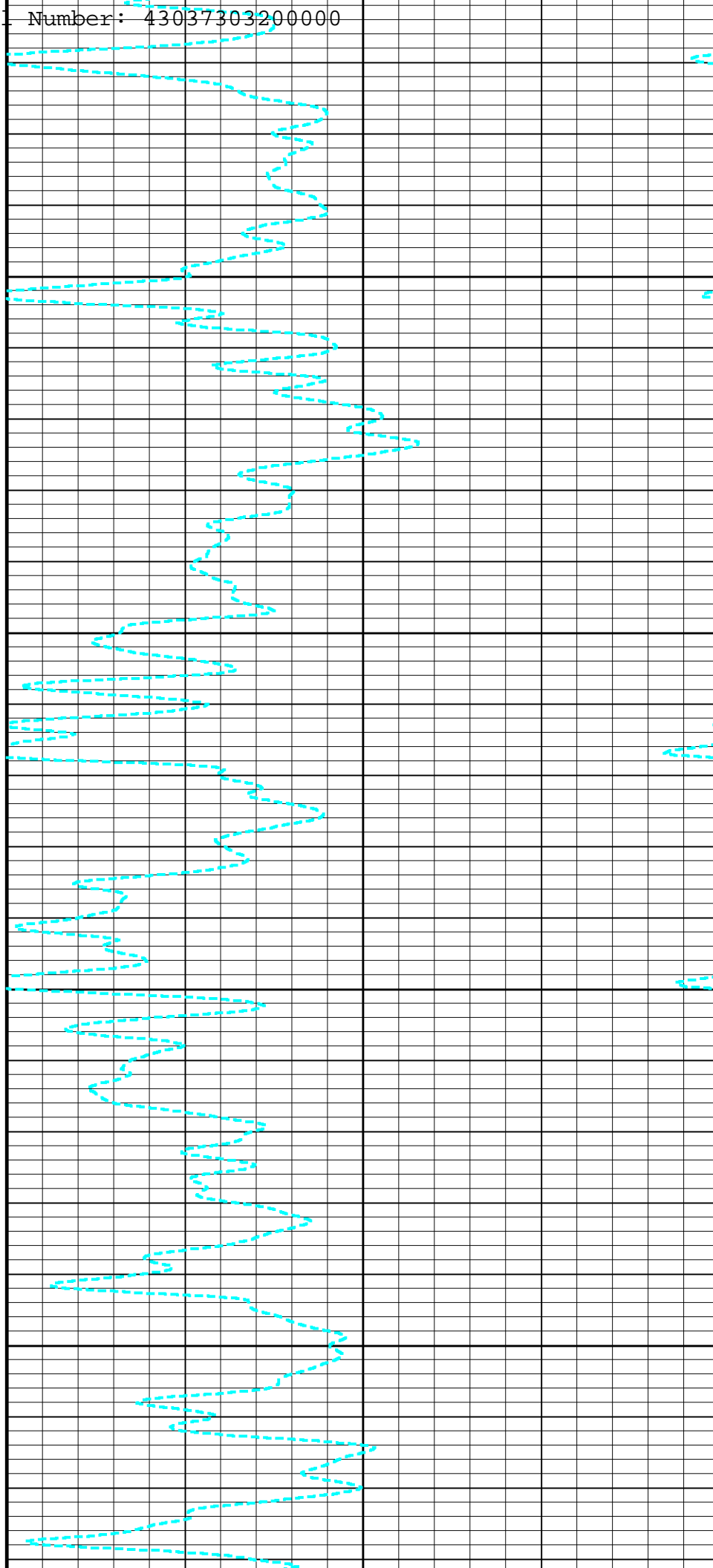


2900

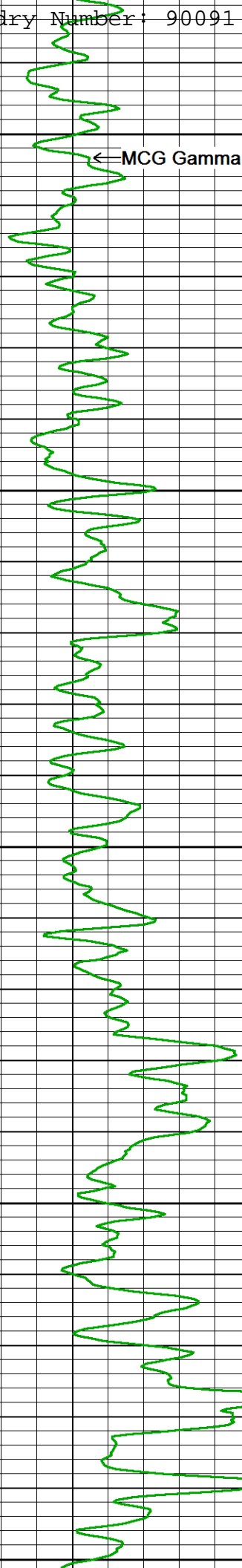
2950

3000

3050



Sundry Number: 90091 API Well Number: 4303730320000



← MCG Gamma Ray

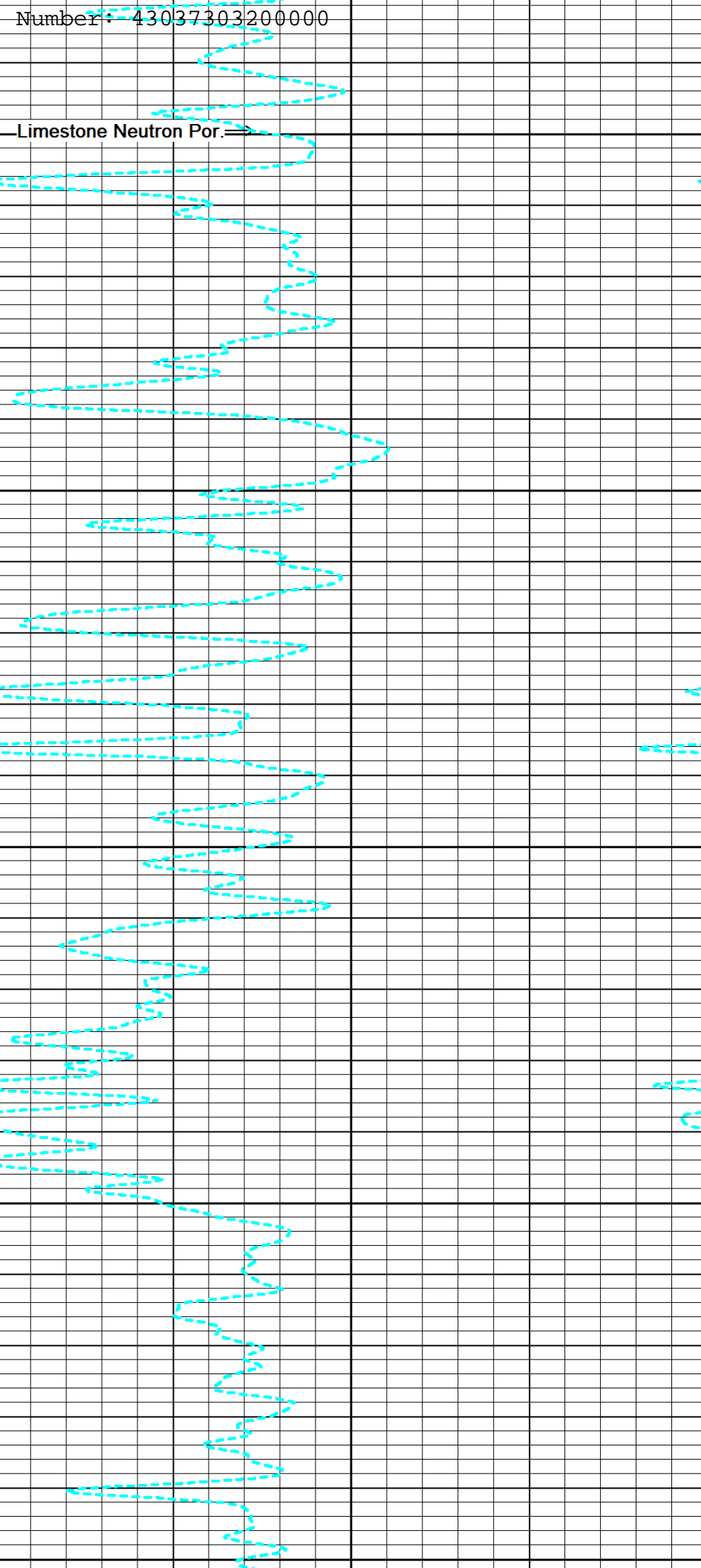
3100

3150

3200

3250

3300



— Limestone Neutron Por. —→

Sundry Number: 90091 API Well Number: 43037303200000

3350

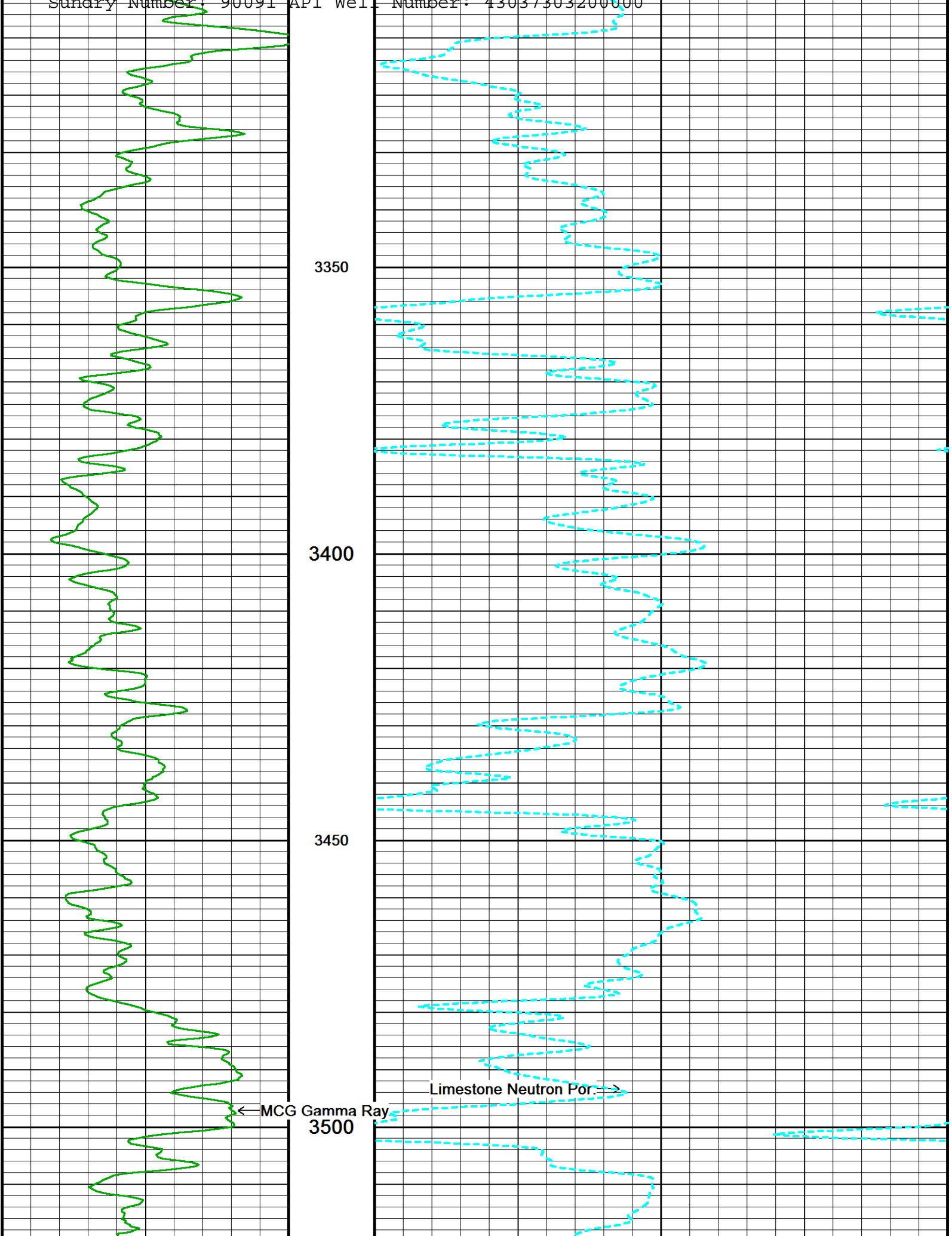
3400

3450

3500

← MCG Gamma Ray

Limestone Neutron Por. →





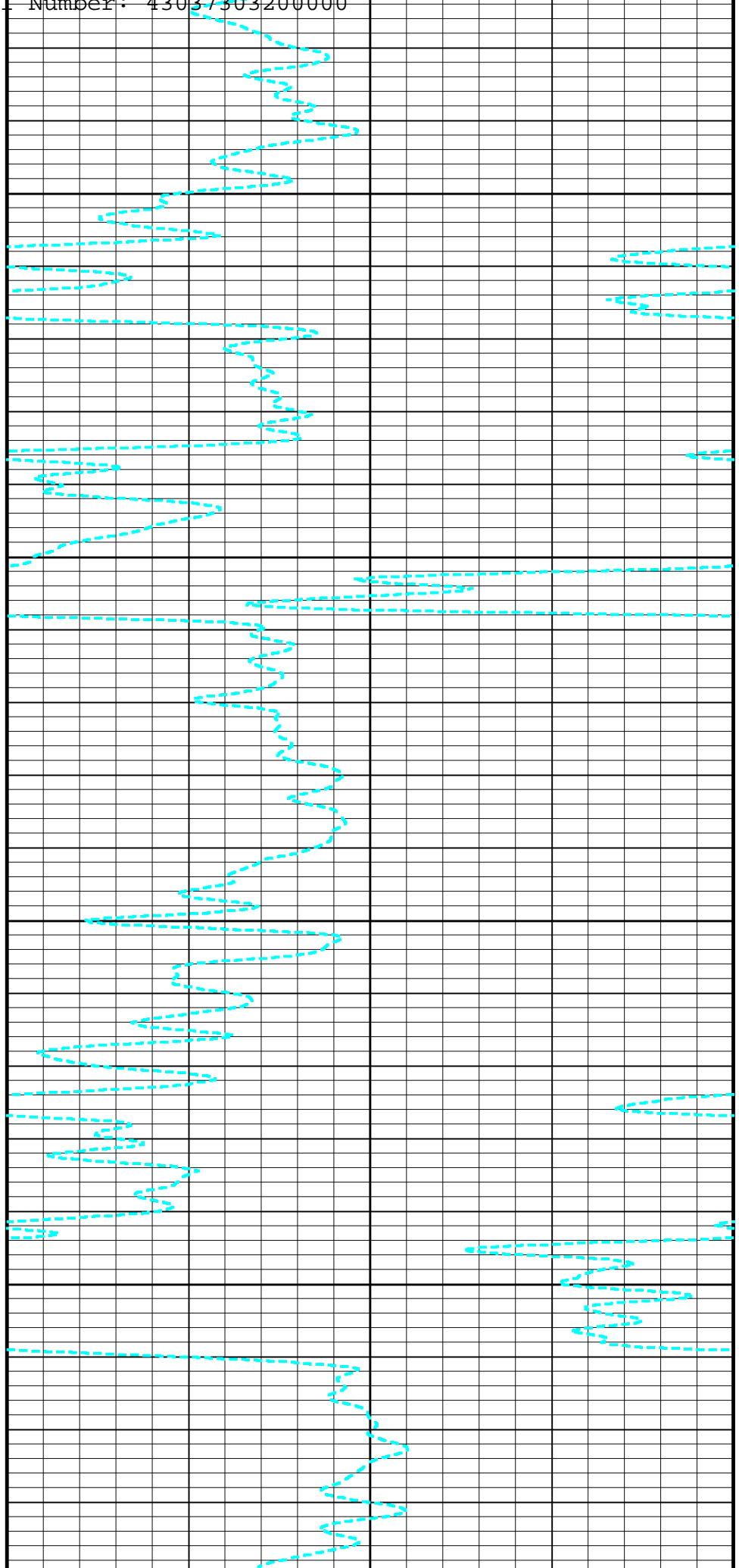
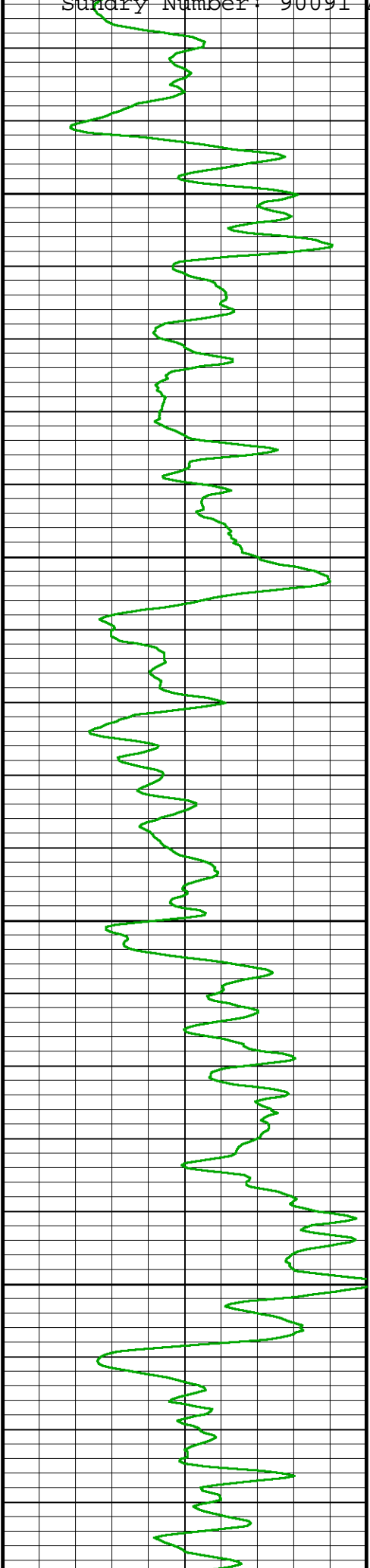
Sundry Number: 90091 API Well Number: 43037303200000

3550

3600

3650

3700



Sundry Number: 90091 API Well Number: 43037303200000

3750

3800

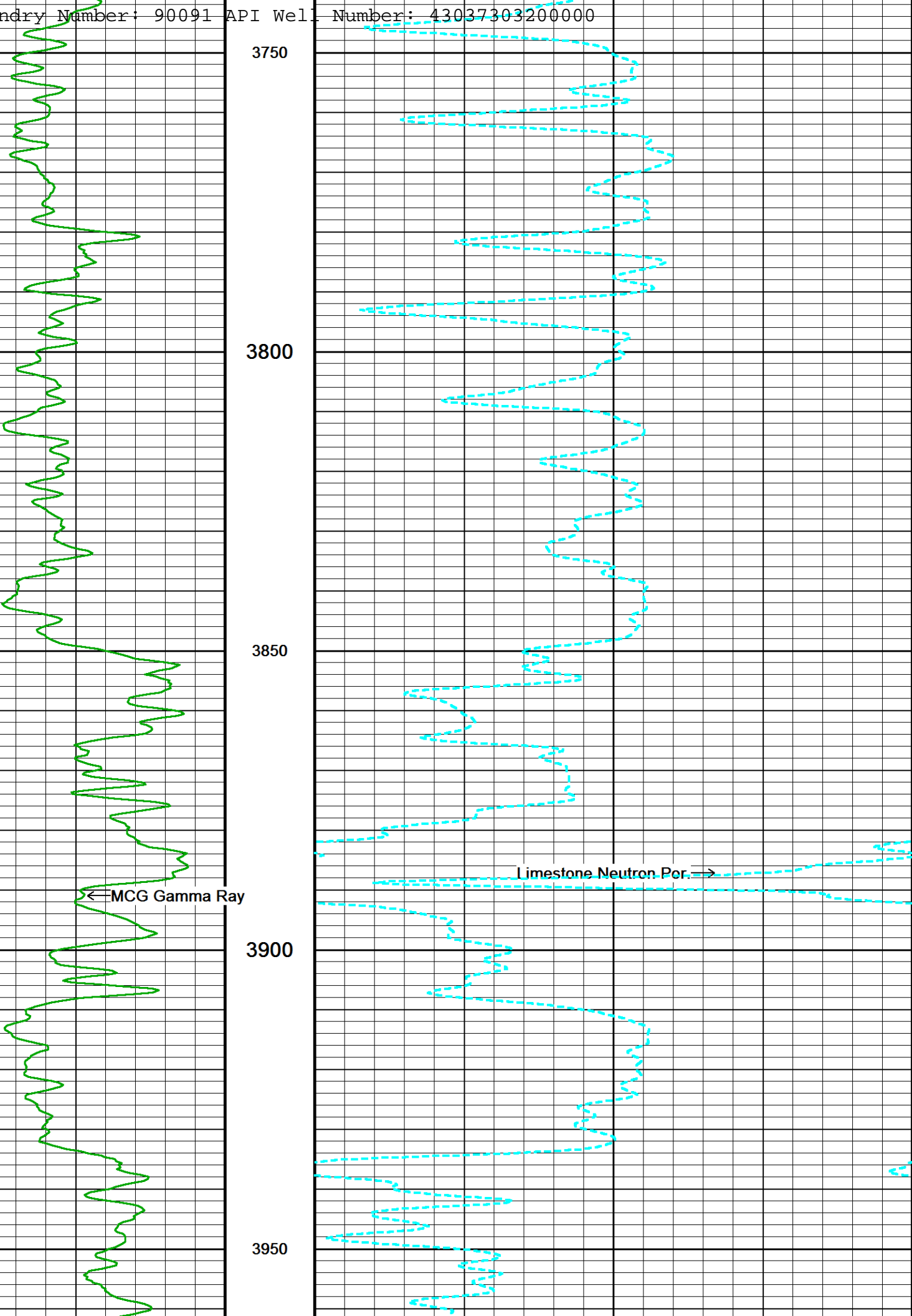
3850

3900

3950

← MCG Gamma Ray

Limestone Neutron Por. →



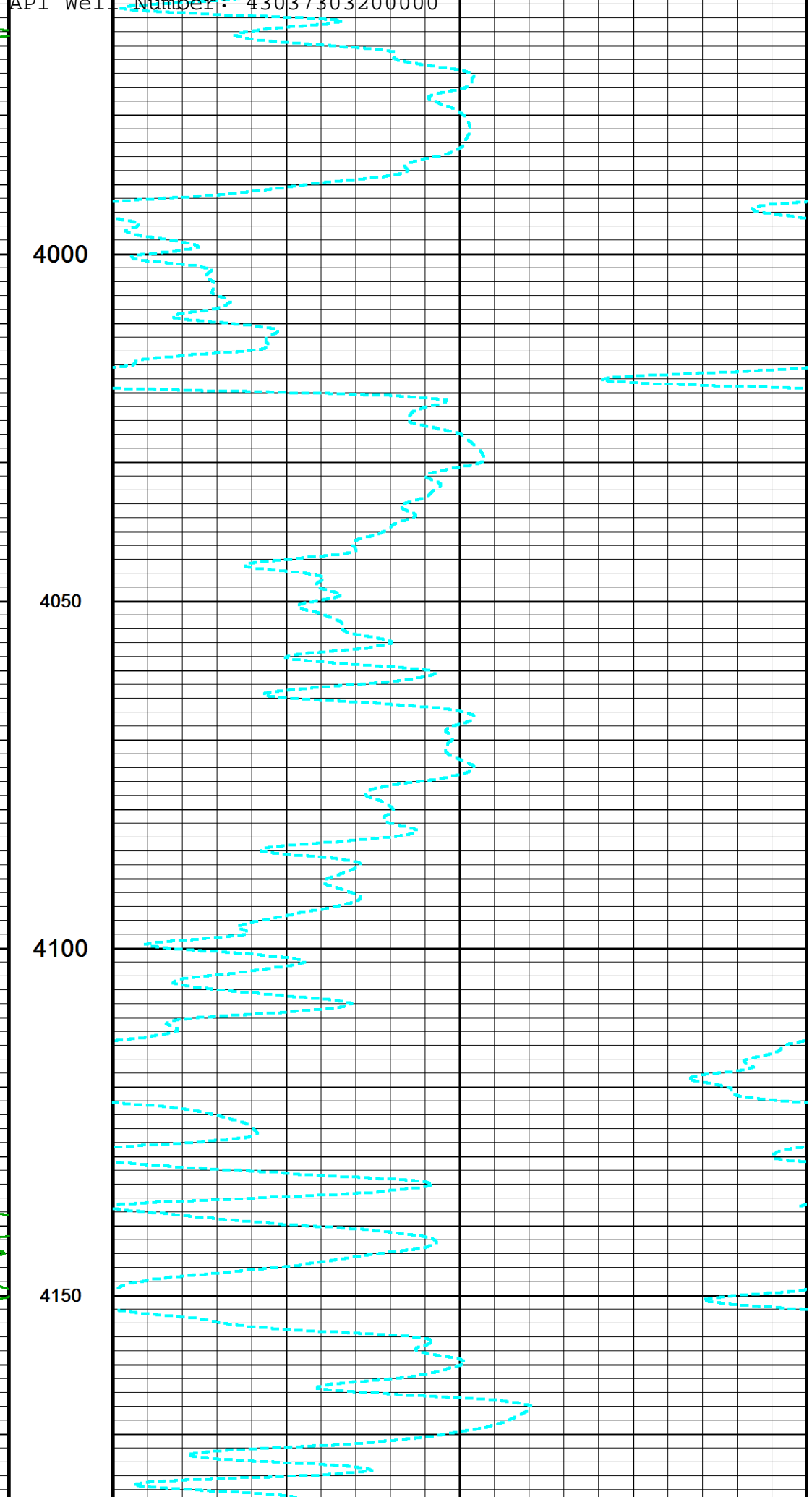
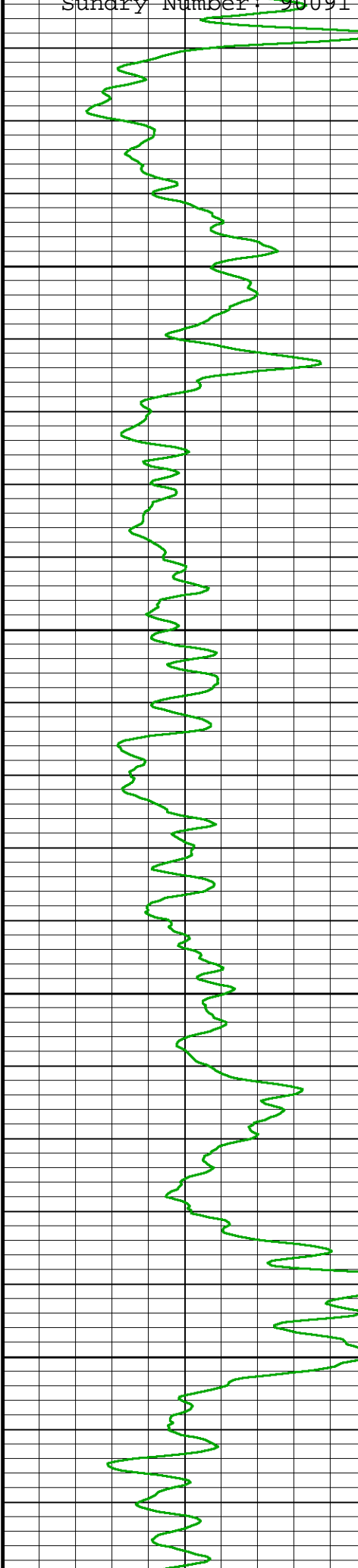
Sundry Number: 90091 API Well Number: 43037303200000

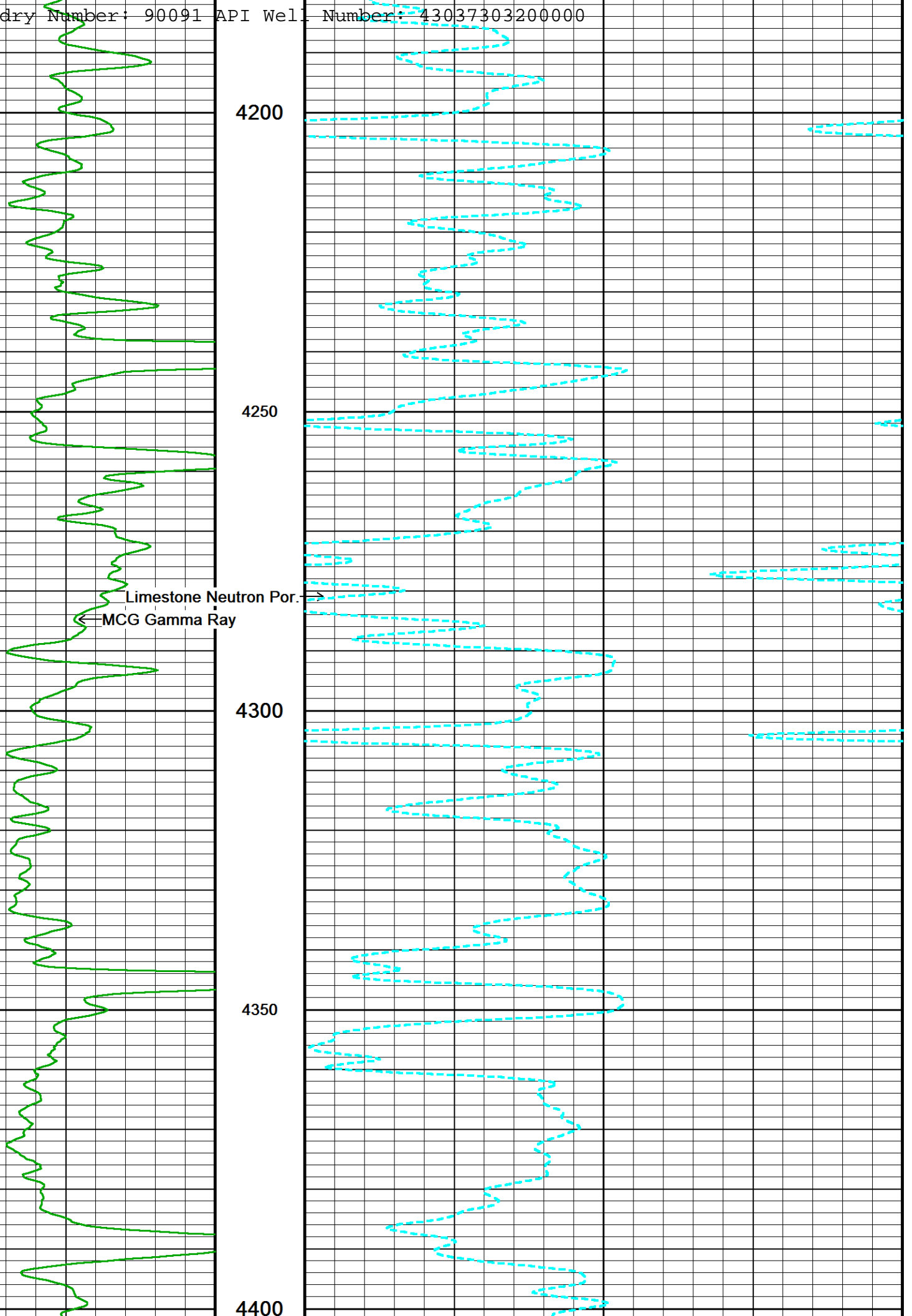
4000

4050

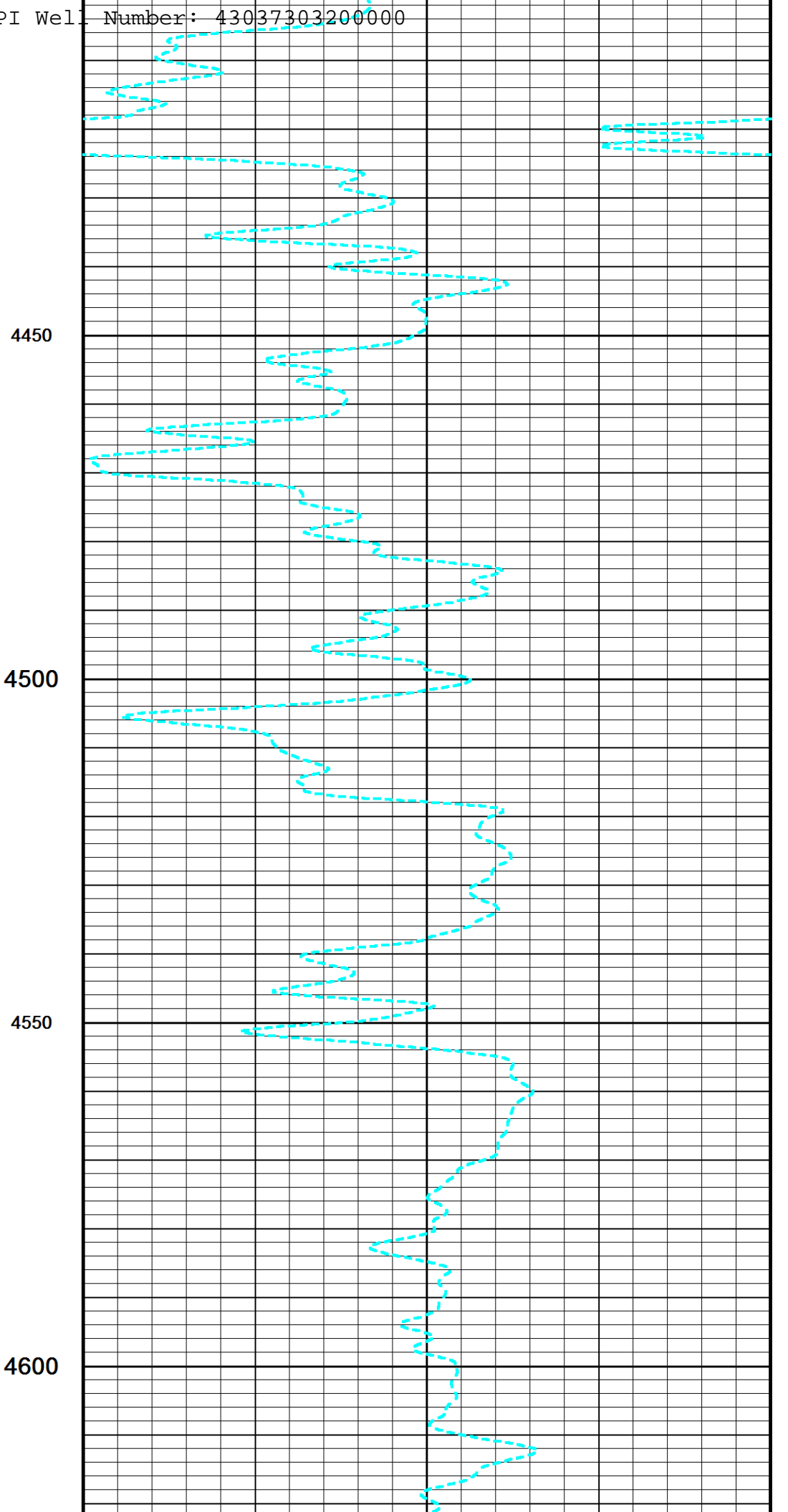
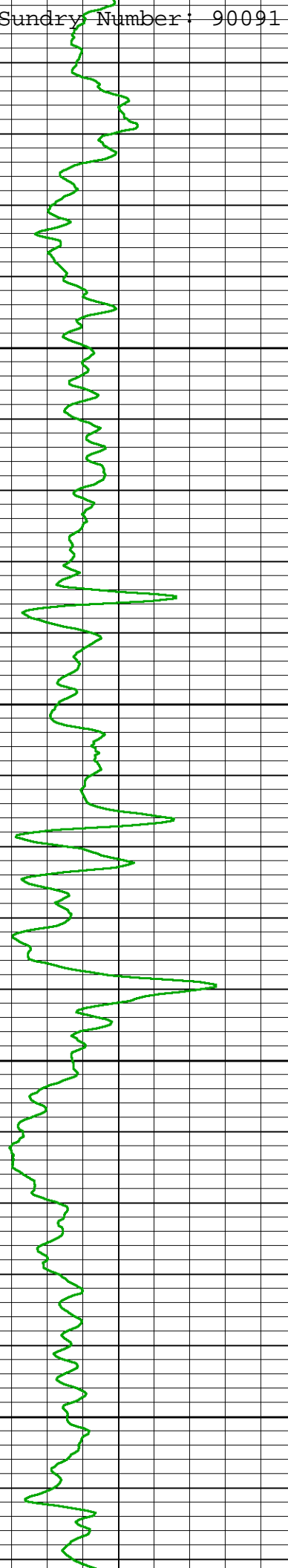
4100

4150





Sundry Number: 90091 API Well Number: 4303730320000



4650

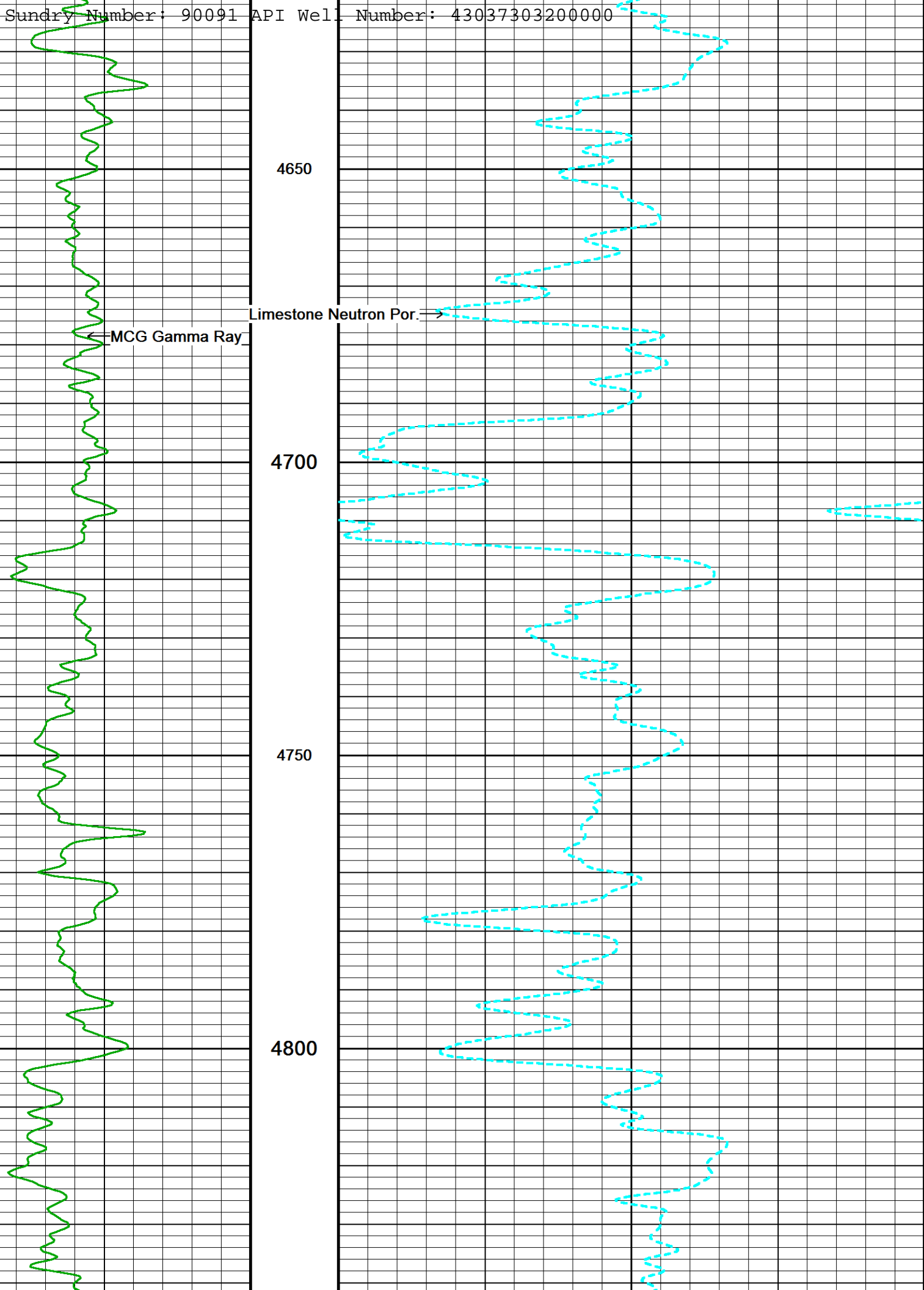
Limestone Neutron Por. →

MCG Gamma Ray

4700

4750

4800



Sundry Number: 90091 API Well Number: 4303730320000

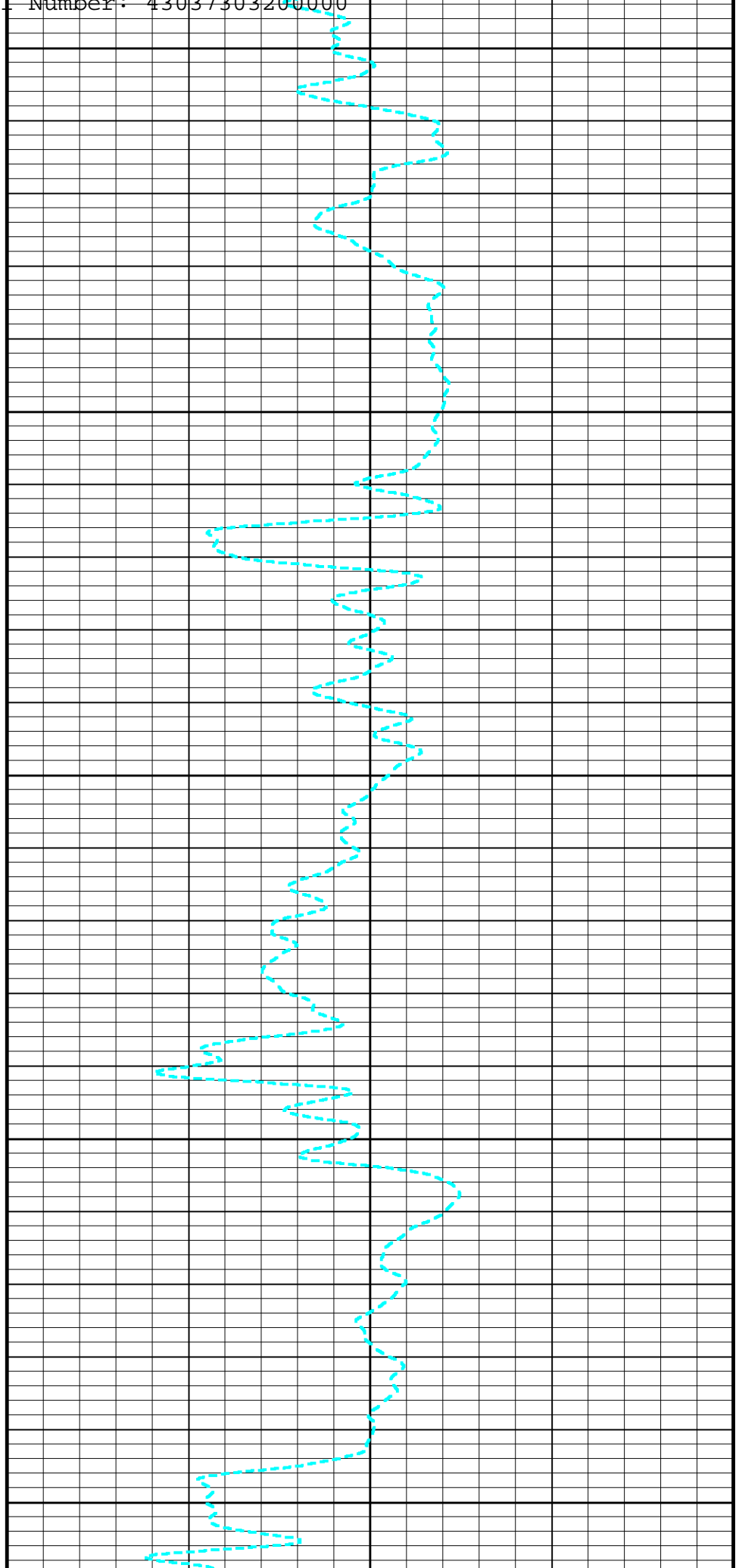
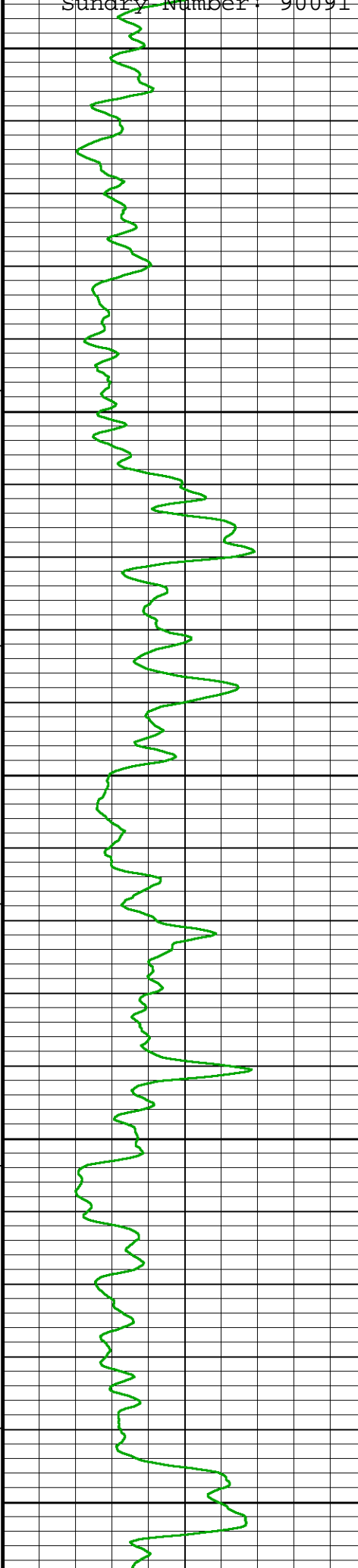
4850

4900

4950

5000

5050



Sundry Number: 90091 API Well

Number: 4303730320000

← MCG Gamma Ray

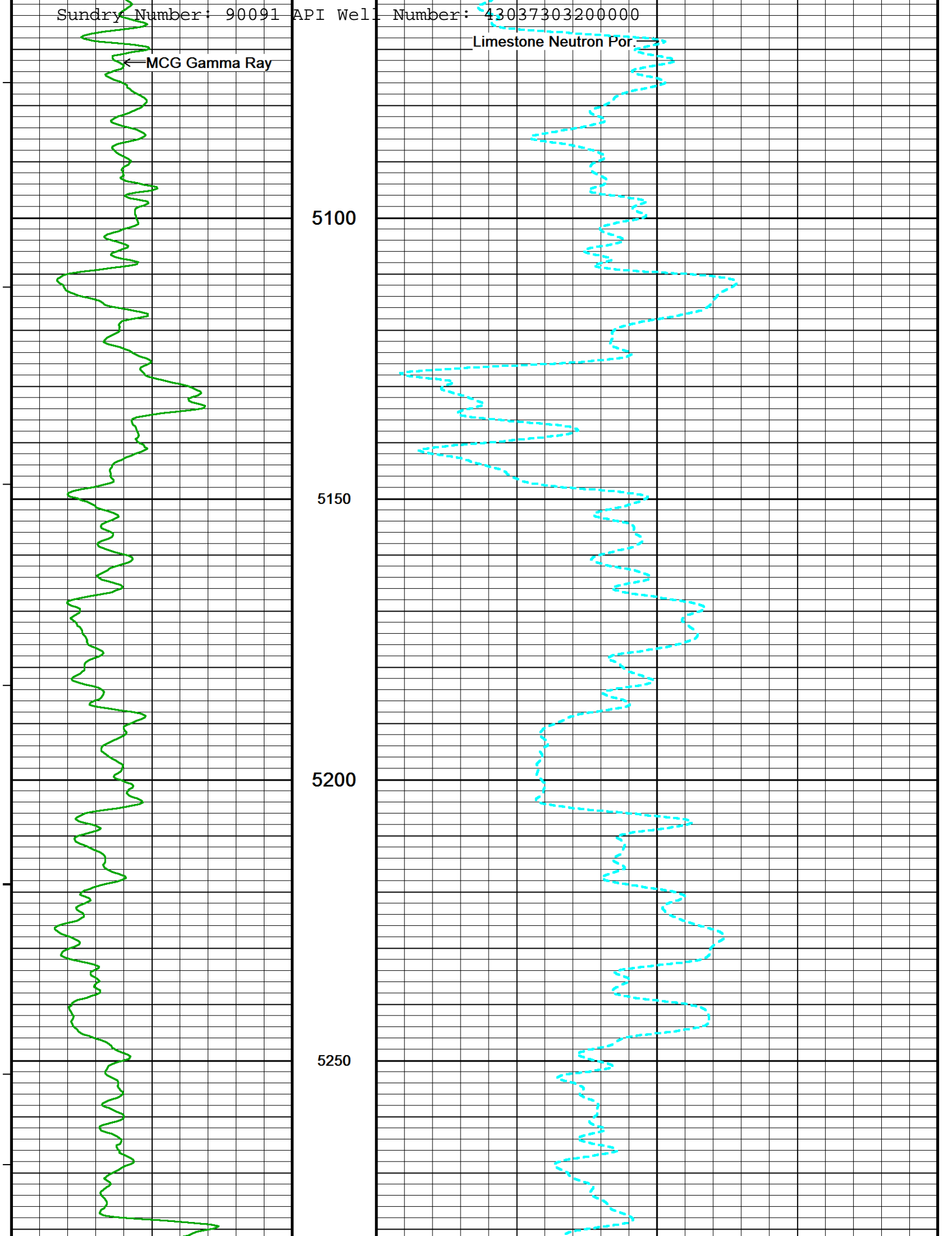
Limestone Neutron Por.

5100

5150

5200

5250





5300

5350

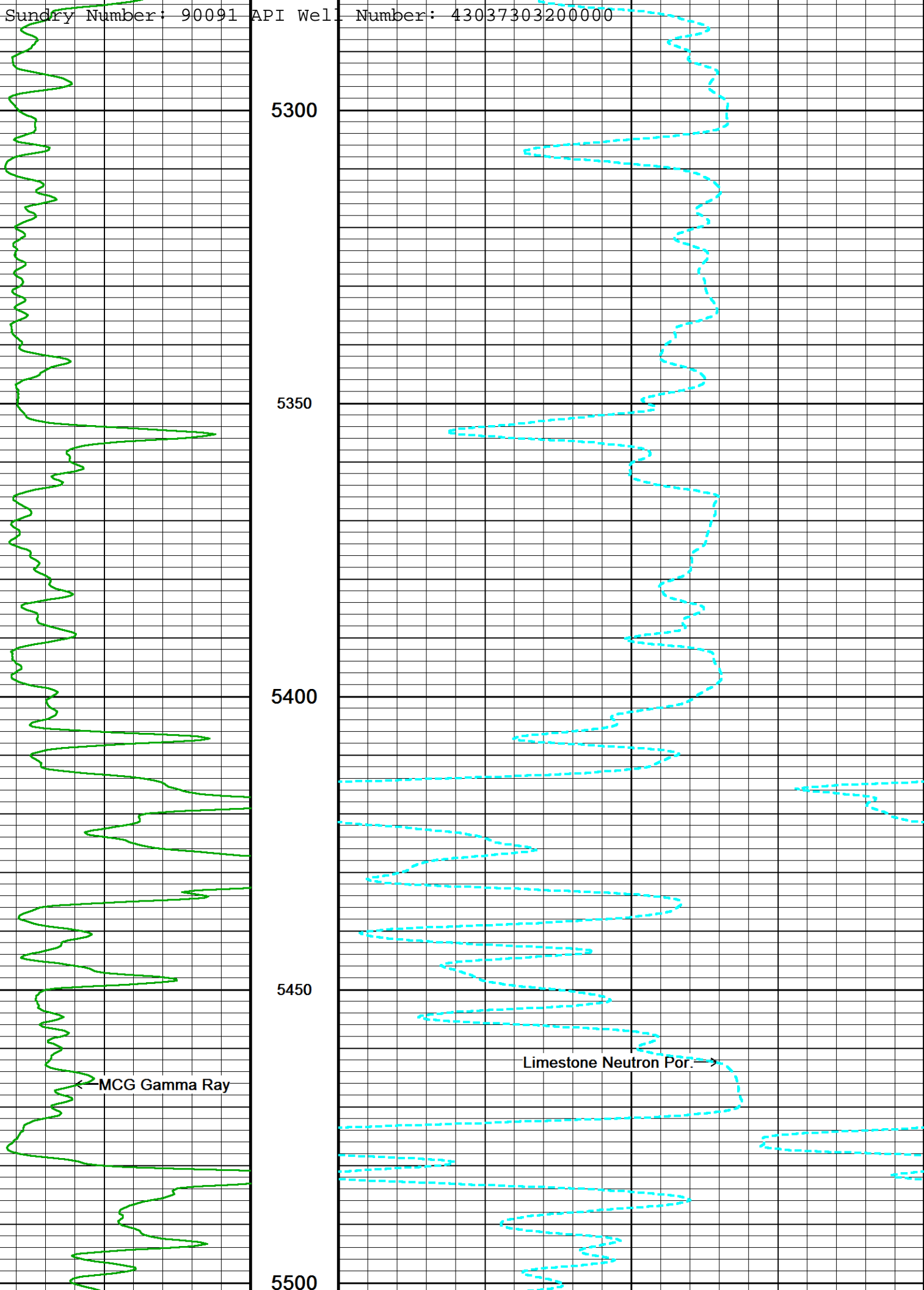
5400

5450

5500

MCG Gamma Ray

Limestone Neutron Por. →



Casing Shoe

131°

5550

134°

5600

FR Limestone Density Por.  
5650

Depth in Feet

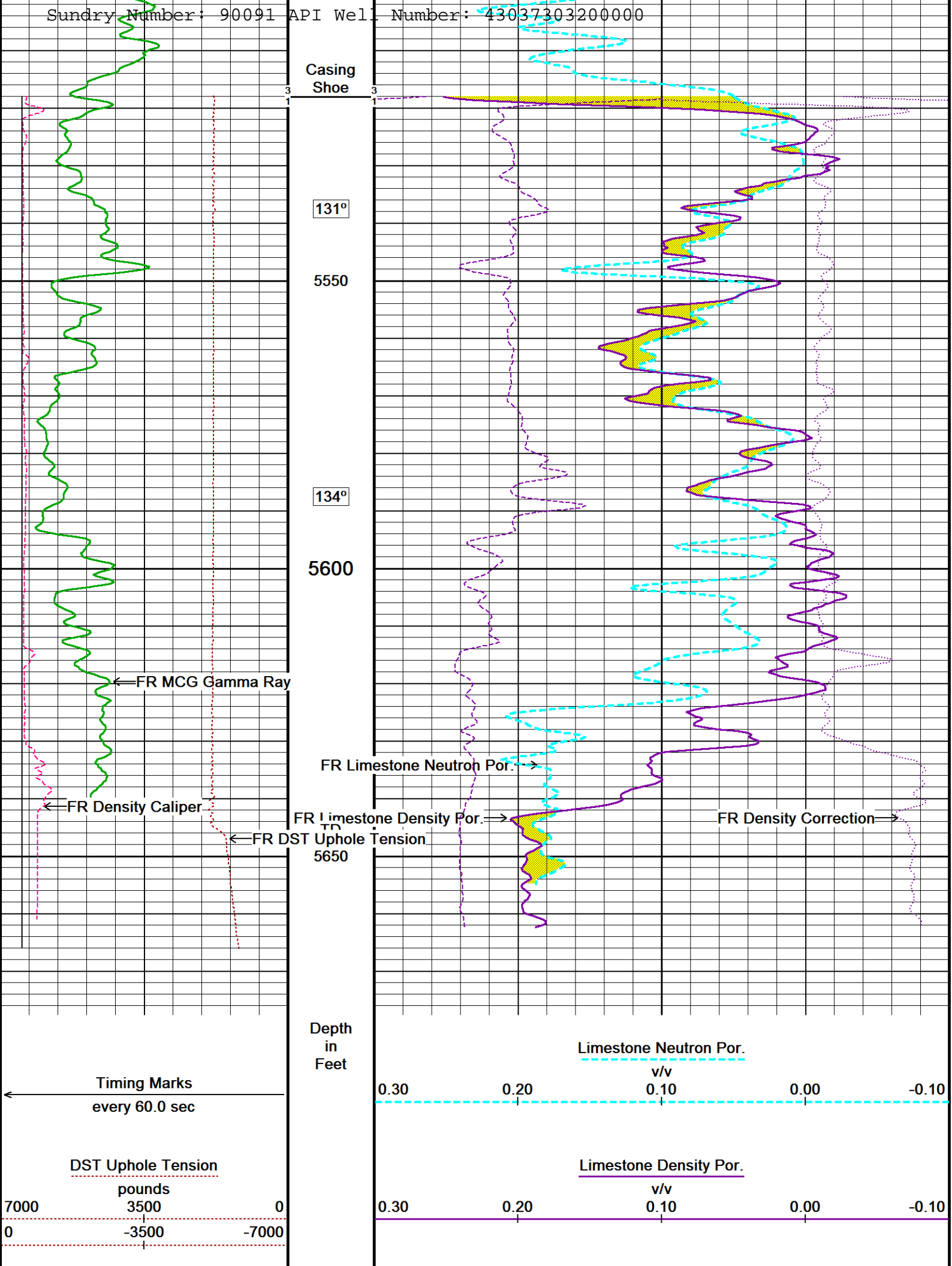
Timing Marks every 60.0 sec

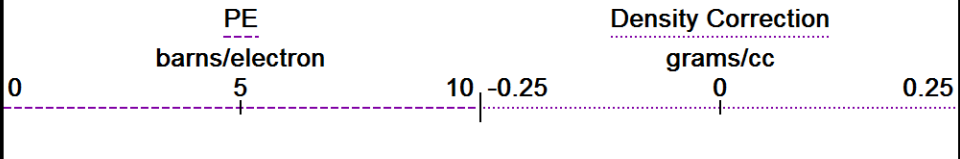
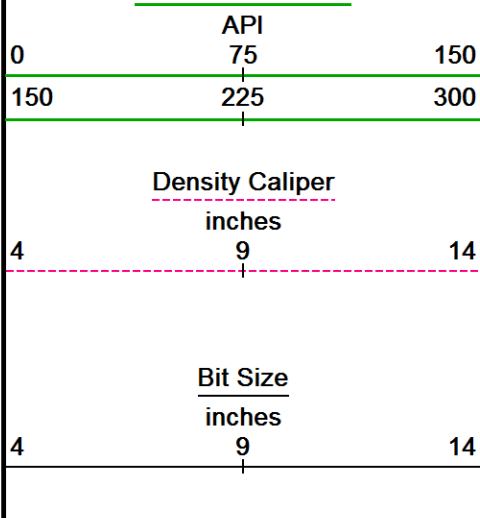
DST Uphole Tension pounds

7000 3500 0  
0 -3500 -7000

Limestone Neutron Por. v/v  
0.30 0.20 0.10 0.00 -0.10

Limestone Density Por. v/v  
0.30 0.20 0.10 0.00 -0.10



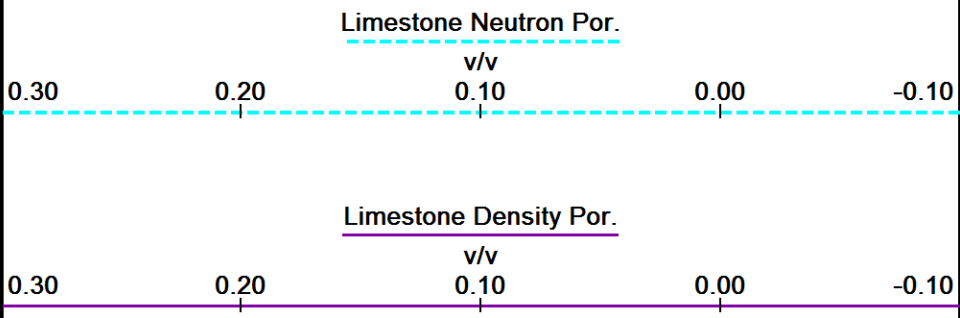
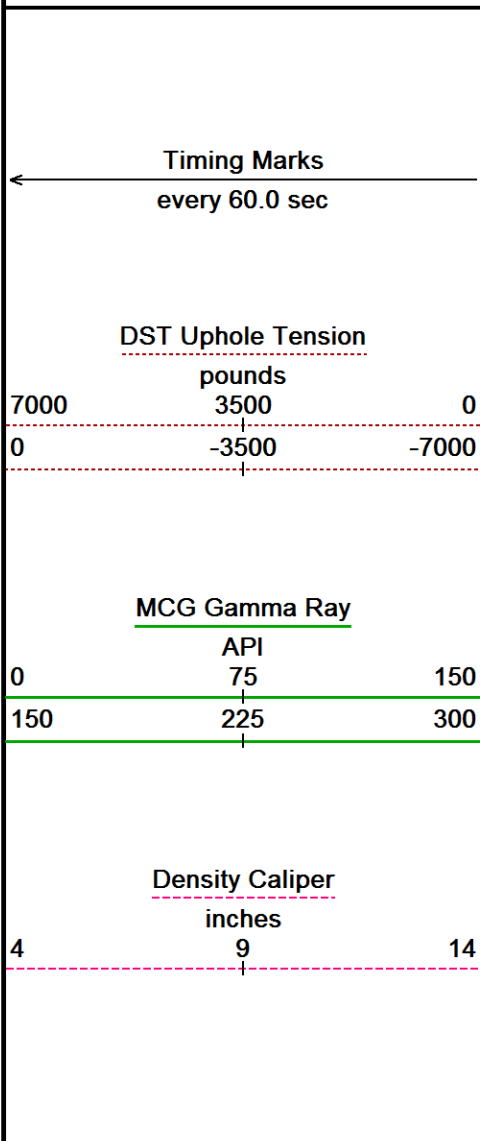


Depth Based Data - Merged File Plotted on 18-JUL-2018 00:53  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583

↑ ↑ LS 2.71 - 5 INCH MAIN PASS ↑

↓ ↓ LS 2.71 - 5 INCH REPEAT PASS ↓

Depth Based Data - Merged File Plotted on 18-JUL-2018 00:53  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Repeat Pass.mge Merged on 15-JUL-2018 13:54  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583



4 9 14

Replay Scale 1:240

.5516

5550

134°

5600

FR Limestone Neutron Por. from Por. →

FR Lim<sup>TT</sup>FR Limestone Density Por. →

←FR DST Uphole Tension

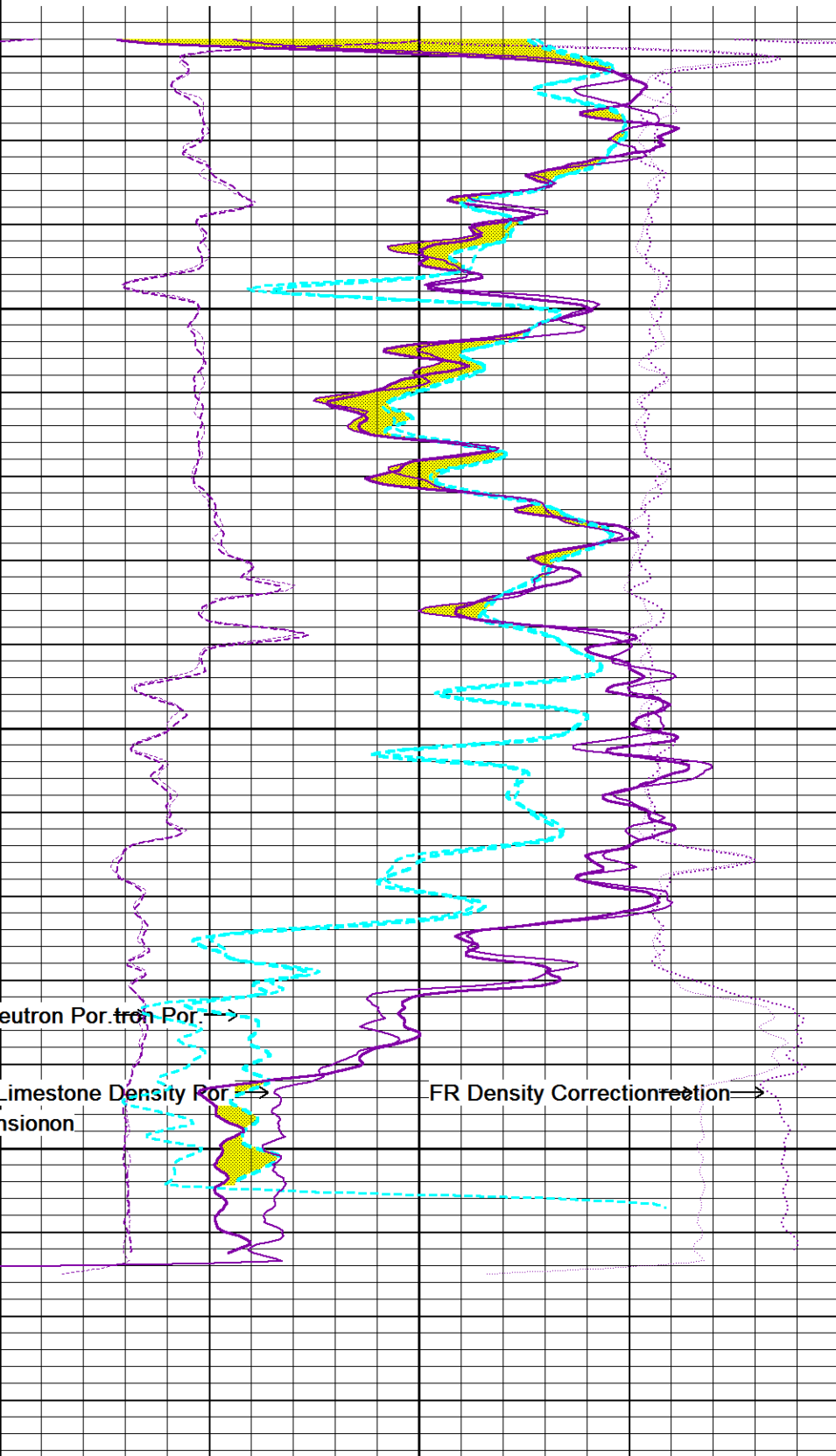
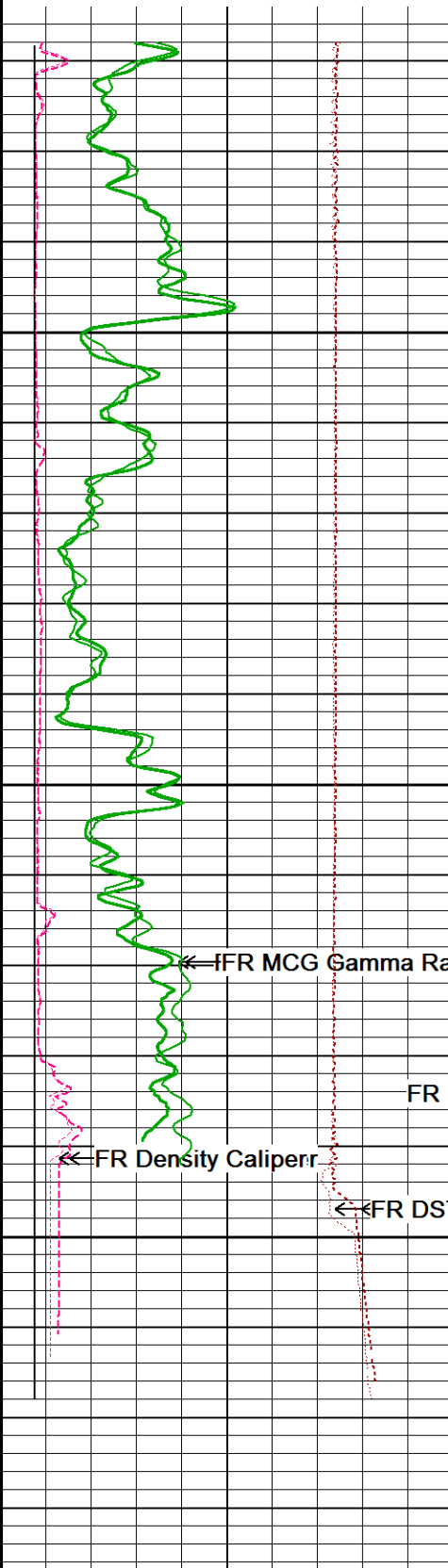
5650

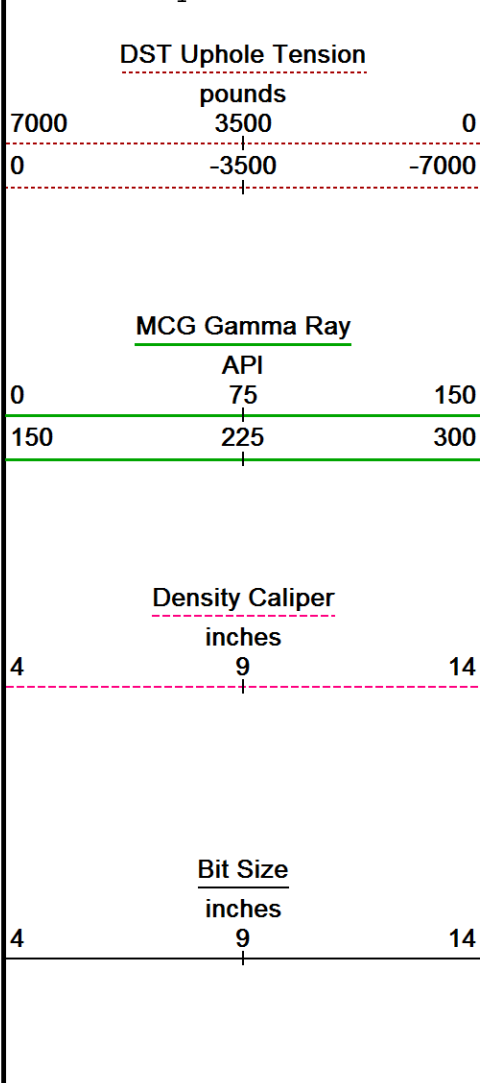
Depth in Feet

PE barns/electron 0 5 10 -0.25 0 0.25 Density Correction grams/cc

Limestone Neutron Por. v/v 0.30 0.20 0.10 0.00 -0.10

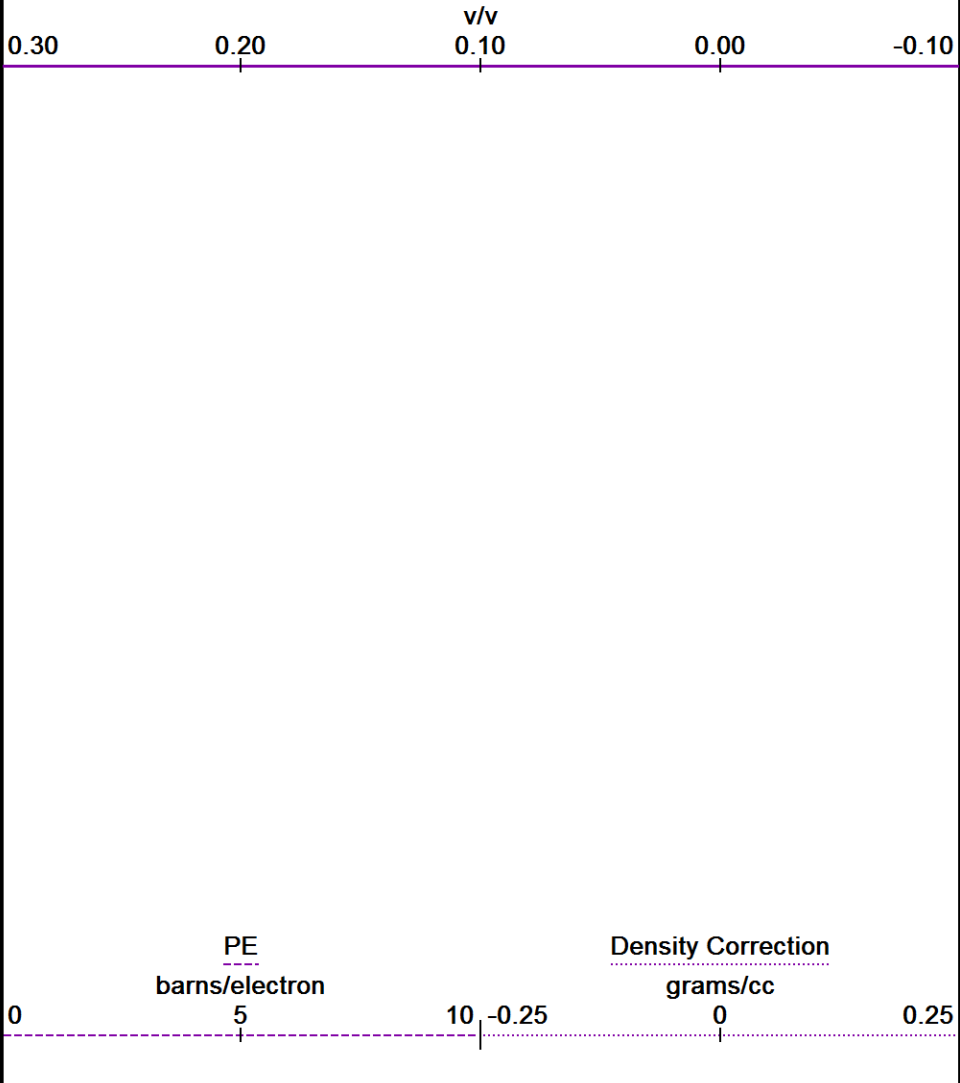
Timing Marks every 60.0 sec





Borehole Temp in deg F

Replay Scale 1:240

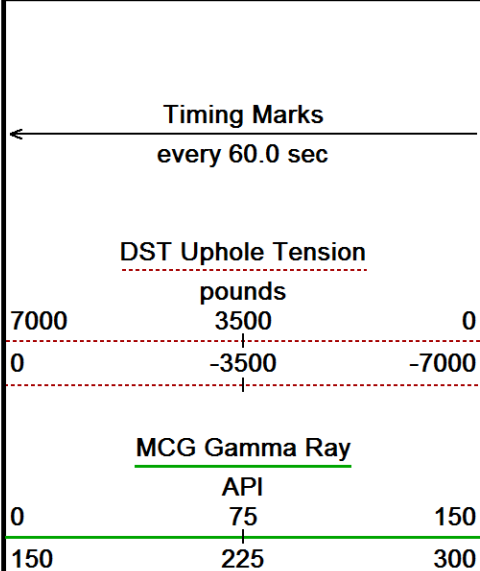


Depth Based Data - Merged File Plotted on 18-JUL-2018 00:53  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Repeat Pass.mge Merged on 15-JUL-2018 13:54  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583

↑ LS 2.71 - 5 INCH REPEAT PASS ↑

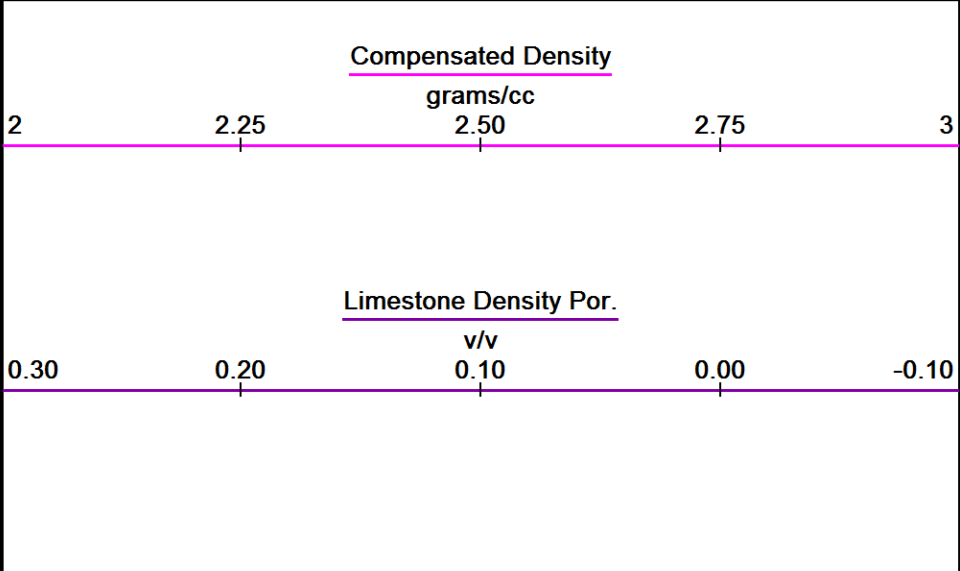
↓ LS 2.71 - 5 INCH MAIN PASS ↓

Depth Based Data - Merged File Plotted on 18-JUL-2018 00:53  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583



Depth in Feet

Borehole Temp in deg F



Density Caliper

inches

4 9 14

Bit Size

inches

4 9 14

Replay Scale 1:240

PE

barns/electron

0 5 10 -0.25 0 0.25

Density Correction

grams/cc

5516

5550

134°

5600

←FR MCG Gamma Ray

←FR Density Caliper

←FR DST Uphole Tension

FR Limestone Density Porosity Density →

FR Density Correction →

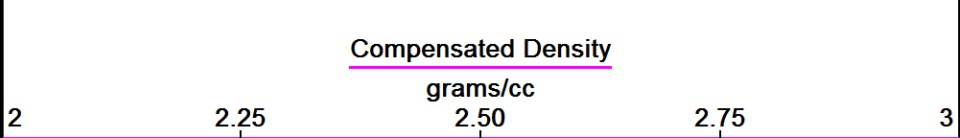
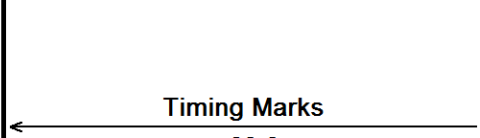
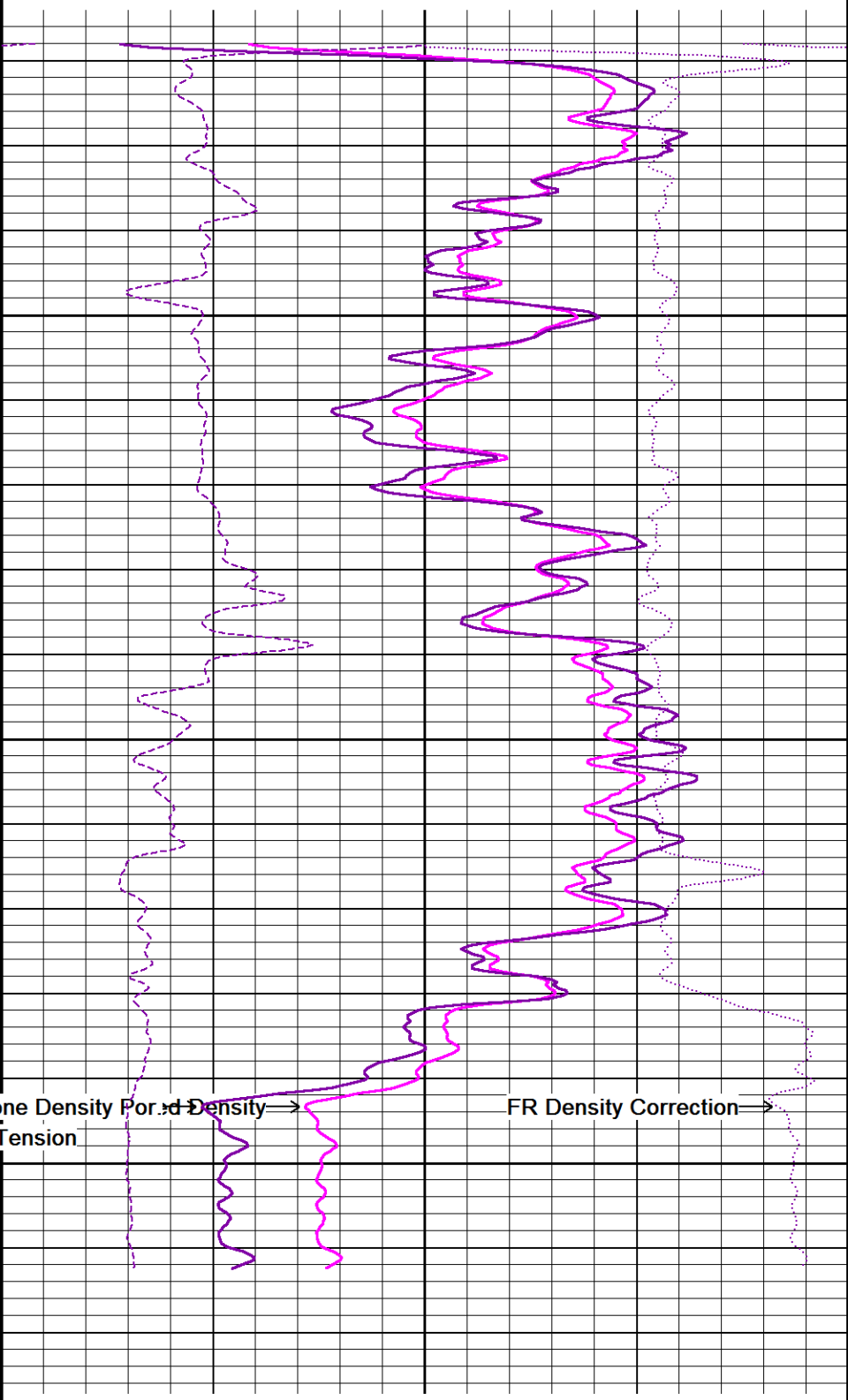
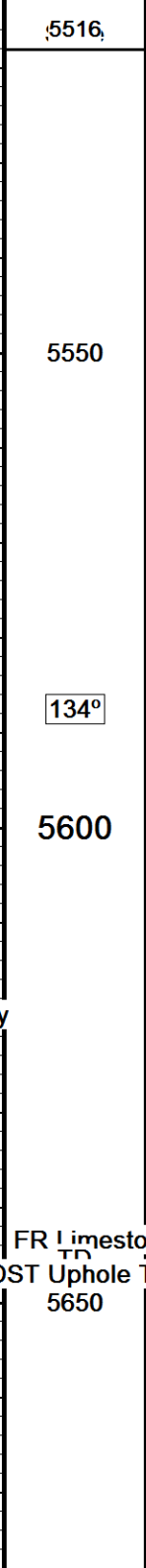
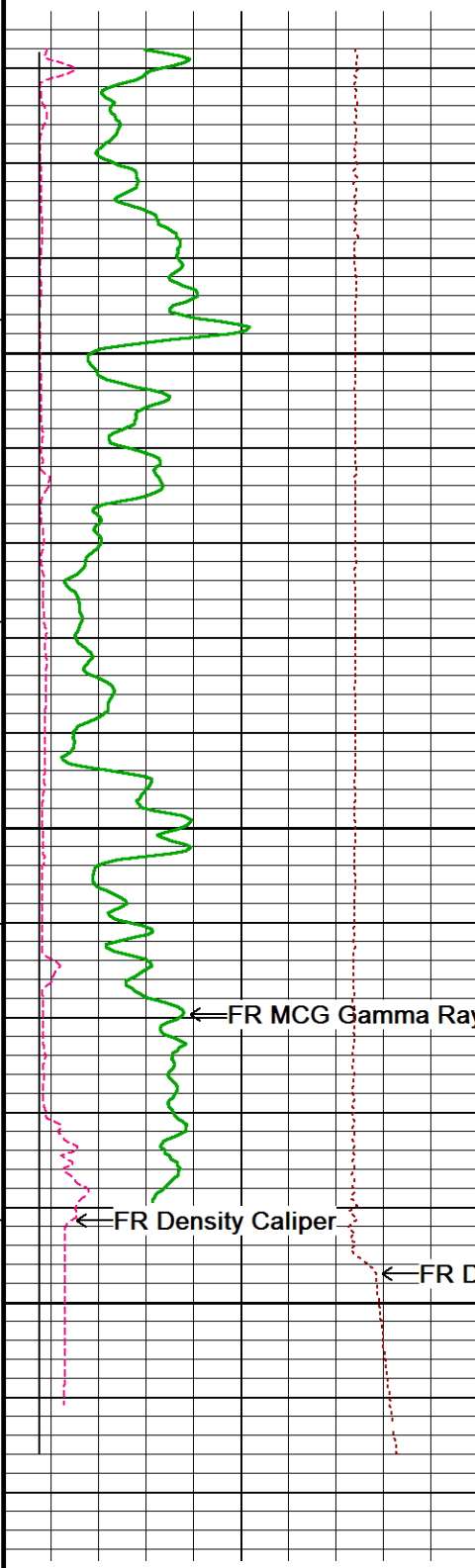
Depth in Feet

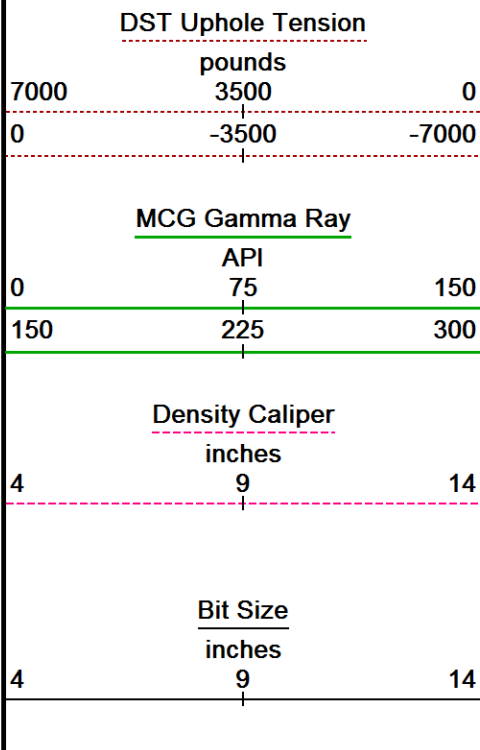
Timing Marks

Compensated Density

grams/cc

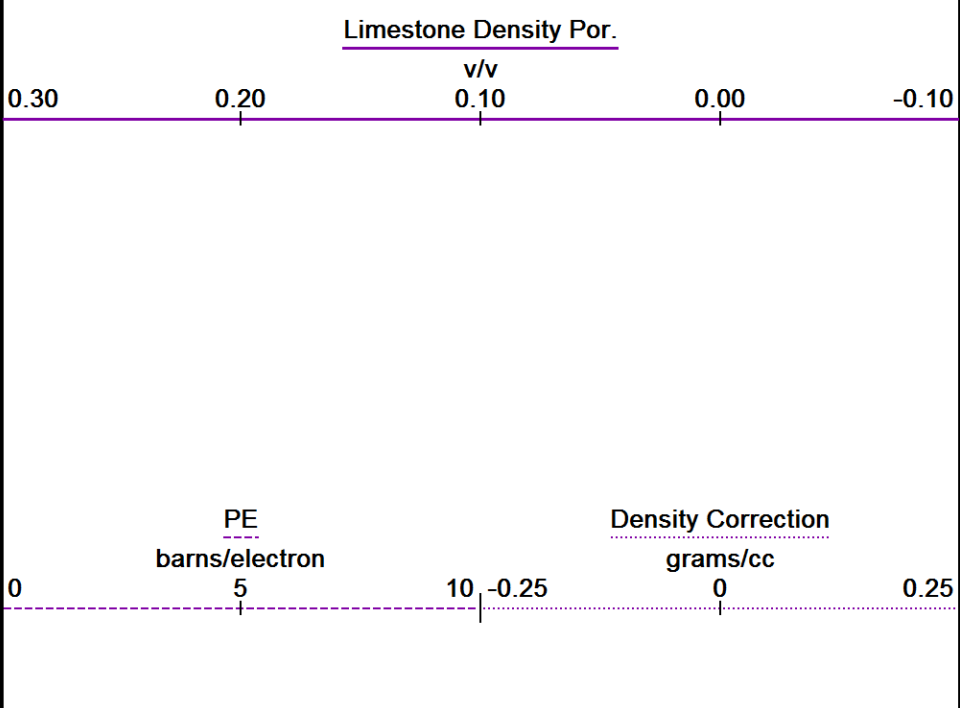
2 2.25 2.50 2.75 3





Borehole Temp in deg F

Replay Scale 1:240

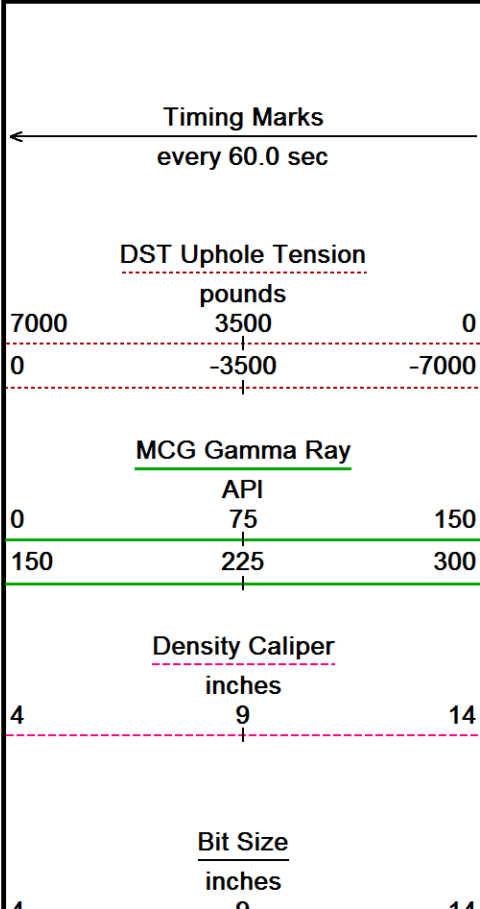


Depth Based Data - Merged File Plotted on 18-JUL-2018 00:53  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583

↑ LS 2.71 - 5 INCH MAIN PASS ↑

↓ DOL 2.87 - 5 INCH MAIN PASS ↓

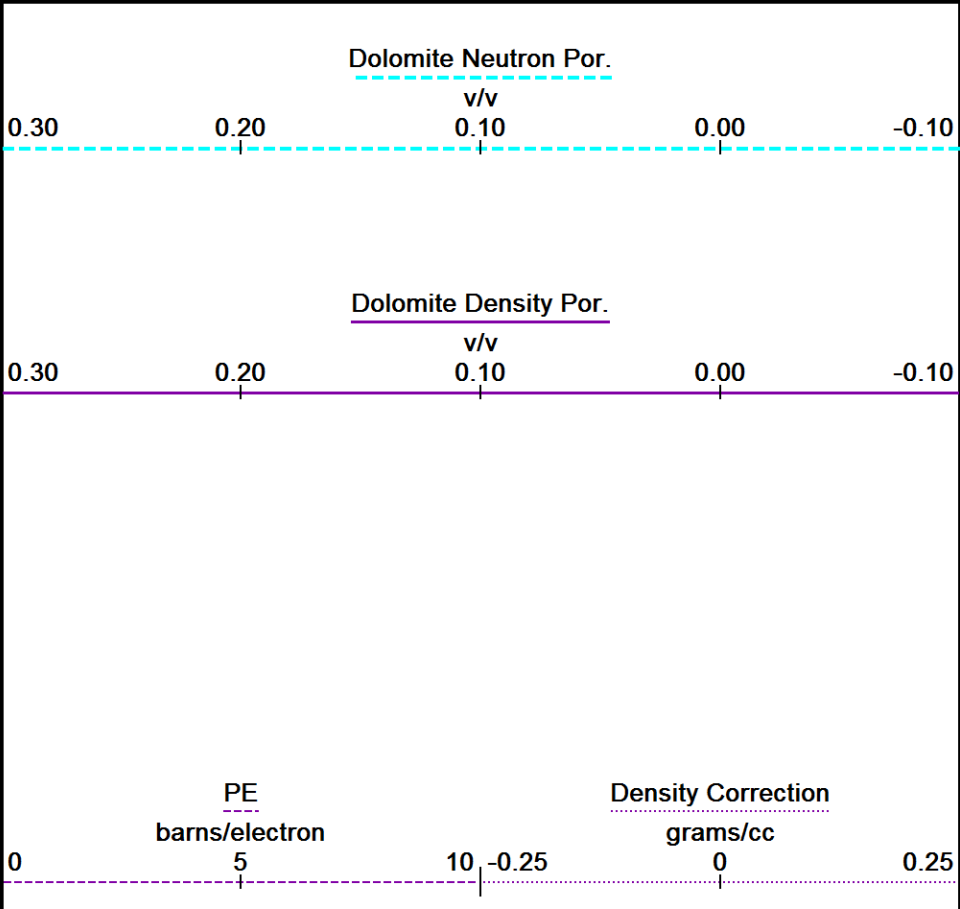
Depth Based Data - Merged File Plotted on 18-JUL-2018 00:53  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583



Depth in Feet

Borehole Temp in deg F

Replay Scale



Scale  
1.240

5516

134°

5600

FR Dolomite Density Por. FR PE

FR DST Uphole Tension

5650

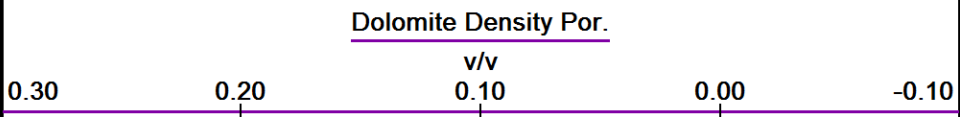
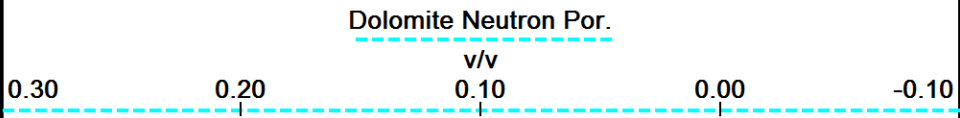
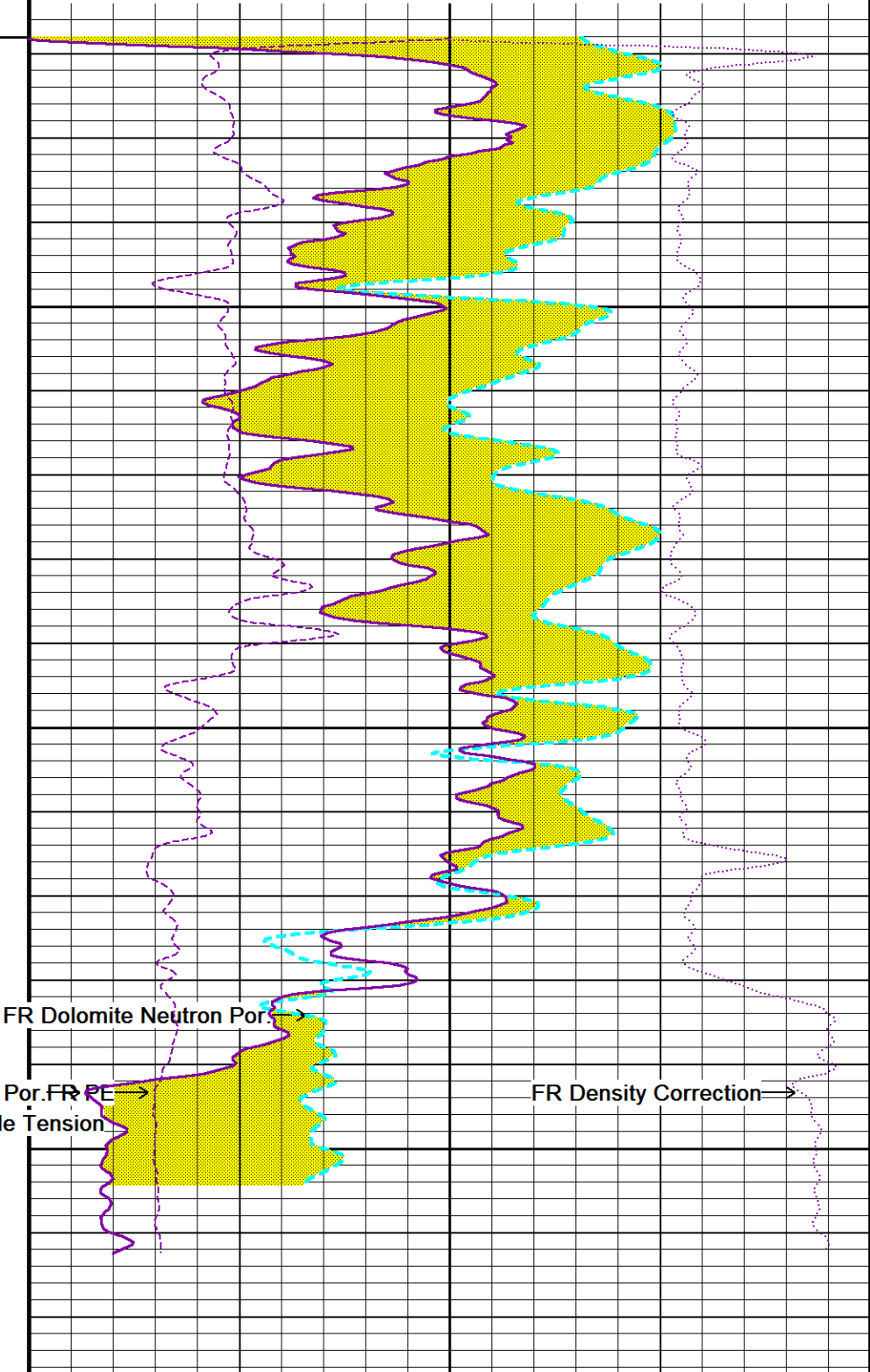
Depth  
in  
Feet

Timing Marks  
every 60.0 sec

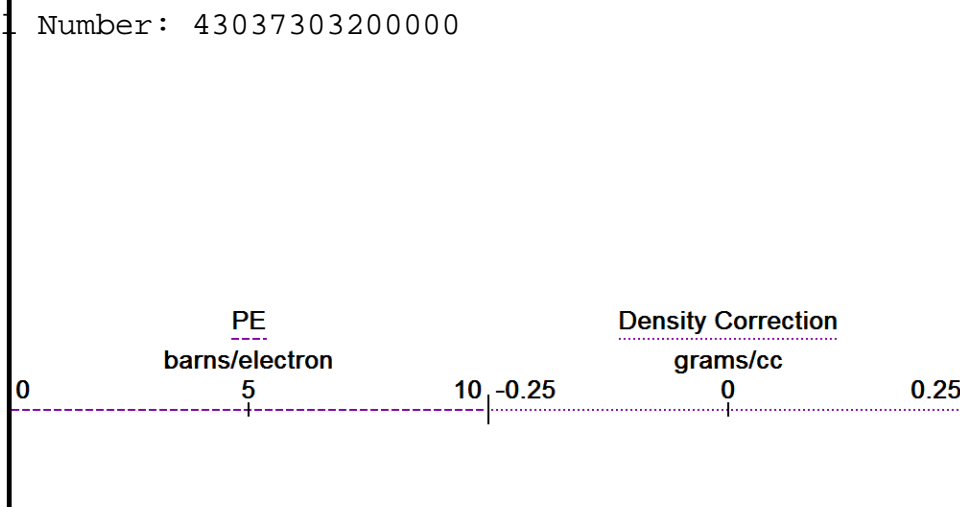
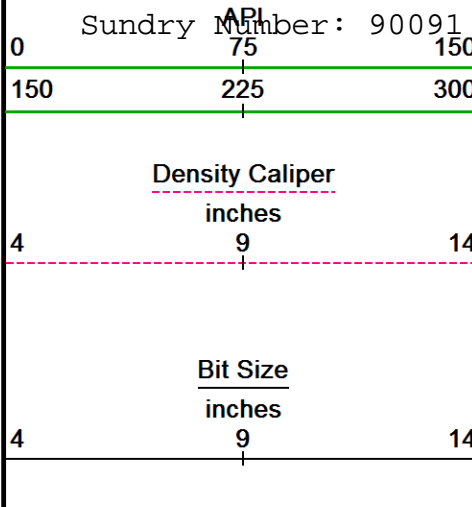
DST Uphole Tension  
pounds  
7000 3500 0  
0 -3500 -7000

MCG Gamma Ray

Borehole







Depth Based Data - Merged File  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583

Plotted on 18-JUL-2018 00:53  
 Merged on 15-JUL-2018 13:59

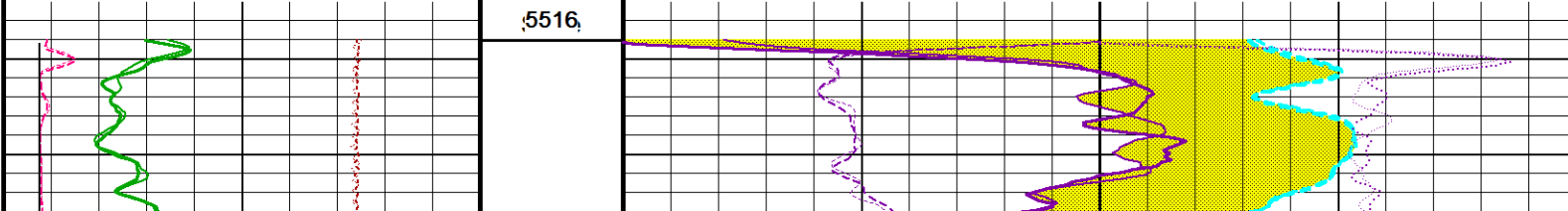
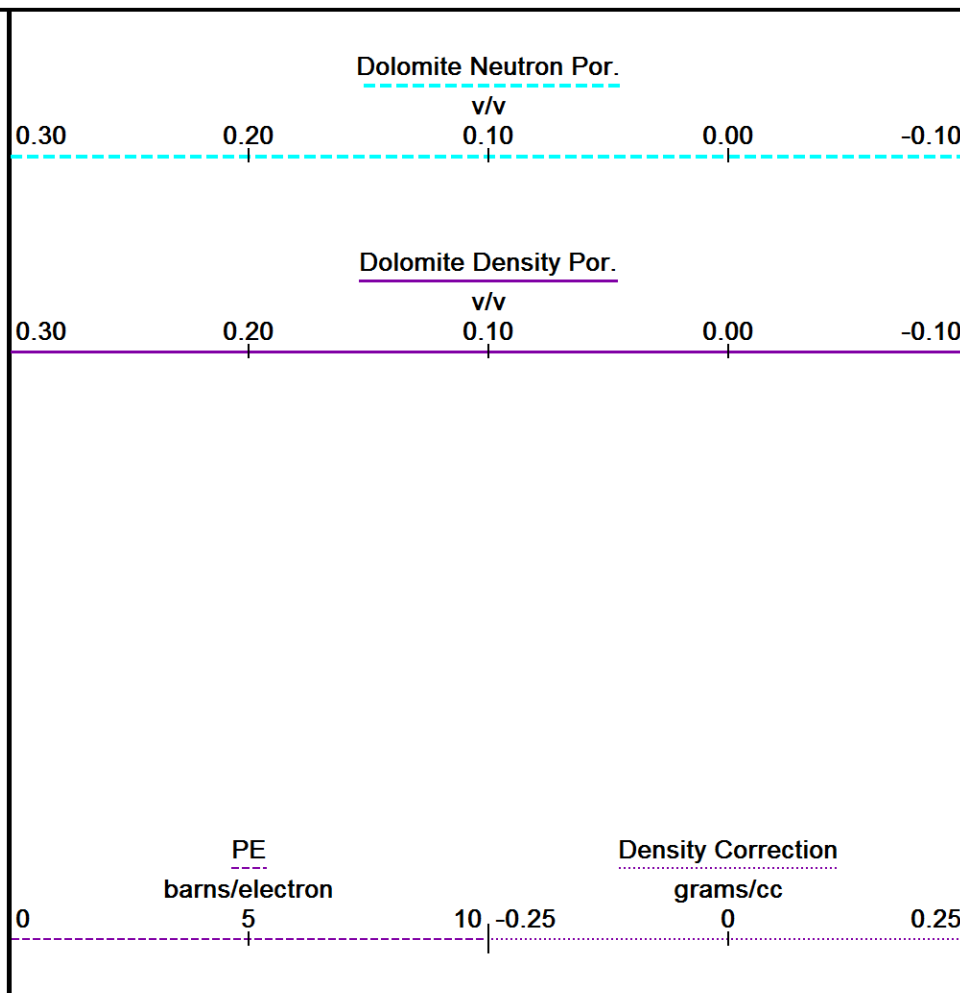
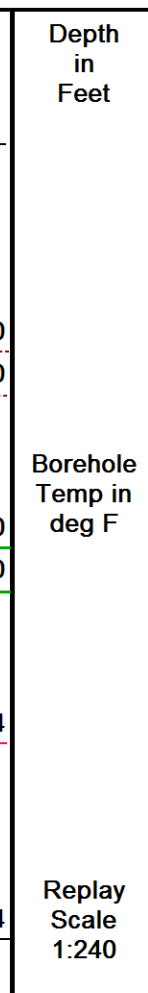
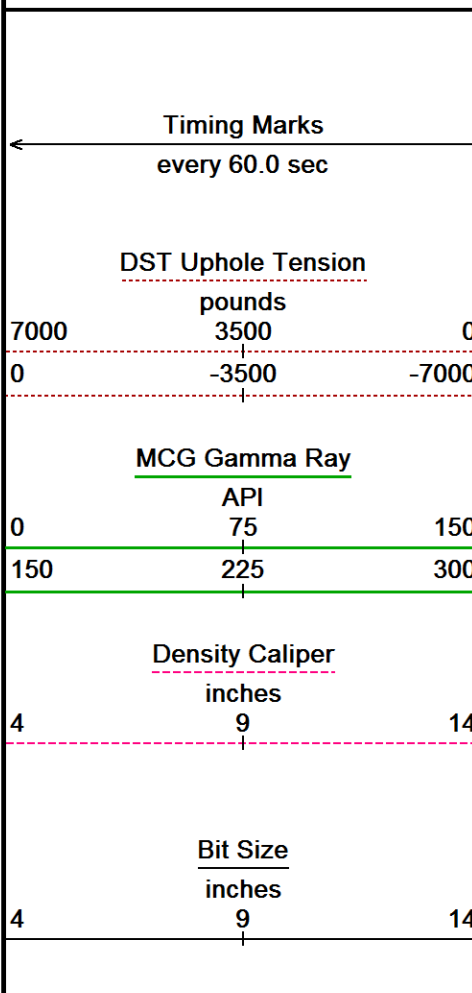
↑ DOL 2.87 - 5 INCH MAIN PASS ↑

↓ DOL 2.87 - 5 INCH REPEAT PASS ↓

Depth Based Data - Merged File  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583

Plotted on 18-JUL-2018 00:53  
 Merged on 15-JUL-2018 13:59

Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Repeat Pass.mge  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583  
 Merged on 15-JUL-2018 13:54



5550

134°

5600

← IFR MCG Gamma Ray

← FR Density Caliper

FR DoFR Dolomite Density Por. →

FR Dolomite Neutron Por. →

FR Density Correction →

← FR DST Uphole Tension

5650

Depth  
in  
Feet

Timing Marks  
every 60.0 sec

DST Uphole Tension

pounds

7000 3500 0

0 -3500 -7000

MCG Gamma Ray

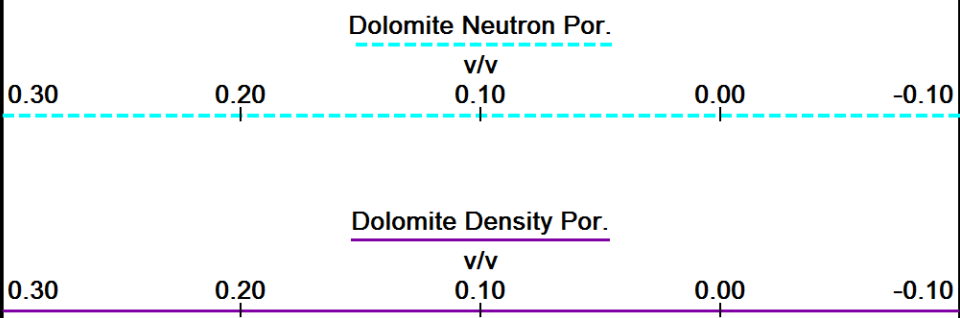
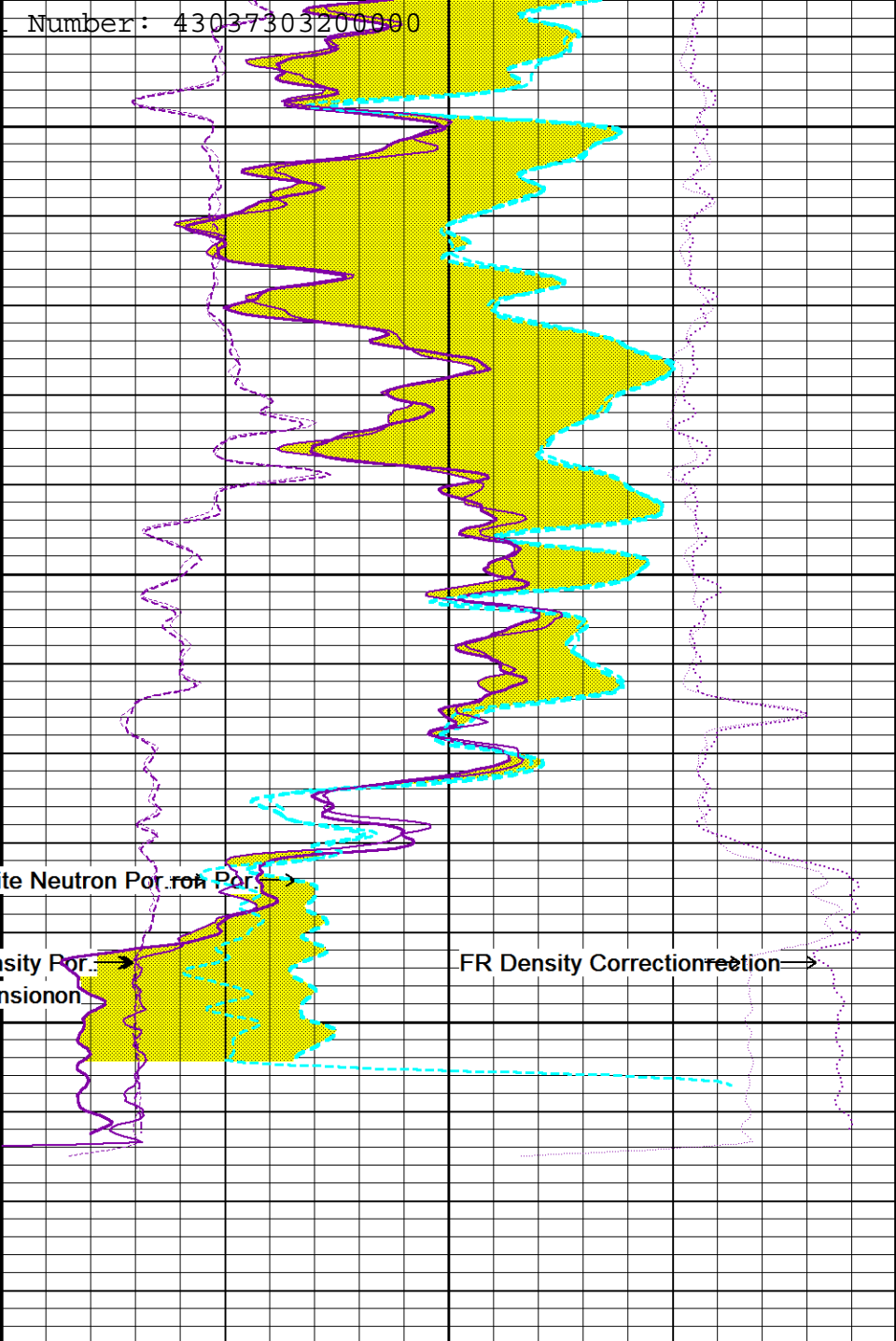
API

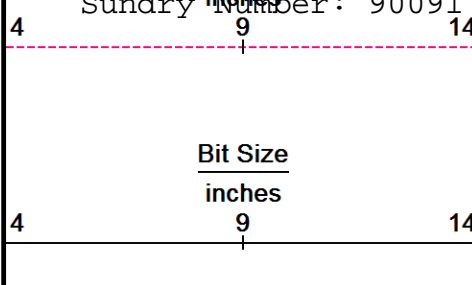
0 75 150

150 225 300

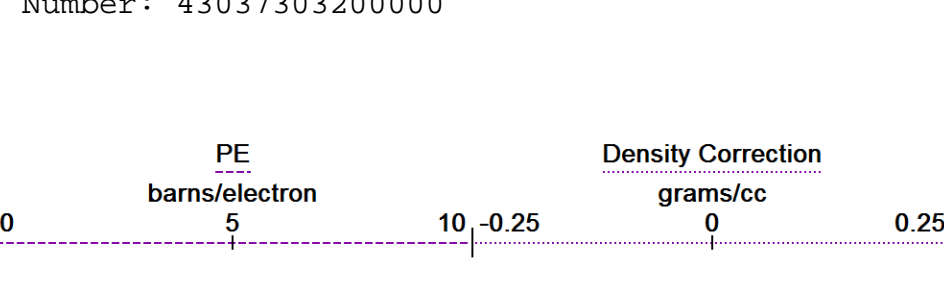
Borehole  
Temp in  
deg F

Density Caliper





Replay  
Scale  
1:240

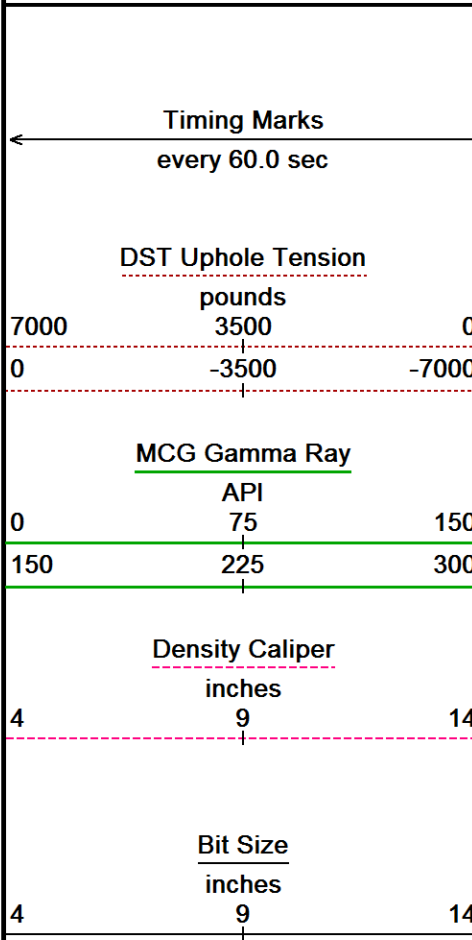


Depth Based Data - Merged File Plotted on 18-JUL-2018 00:53  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Repeat Pass.mge Merged on 15-JUL-2018 13:54  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583

↑ DOL 2.87 - 5 INCH REPEAT PASS ↑

↓ DOL 2.87 - 5 INCH MAIN PASS ↓

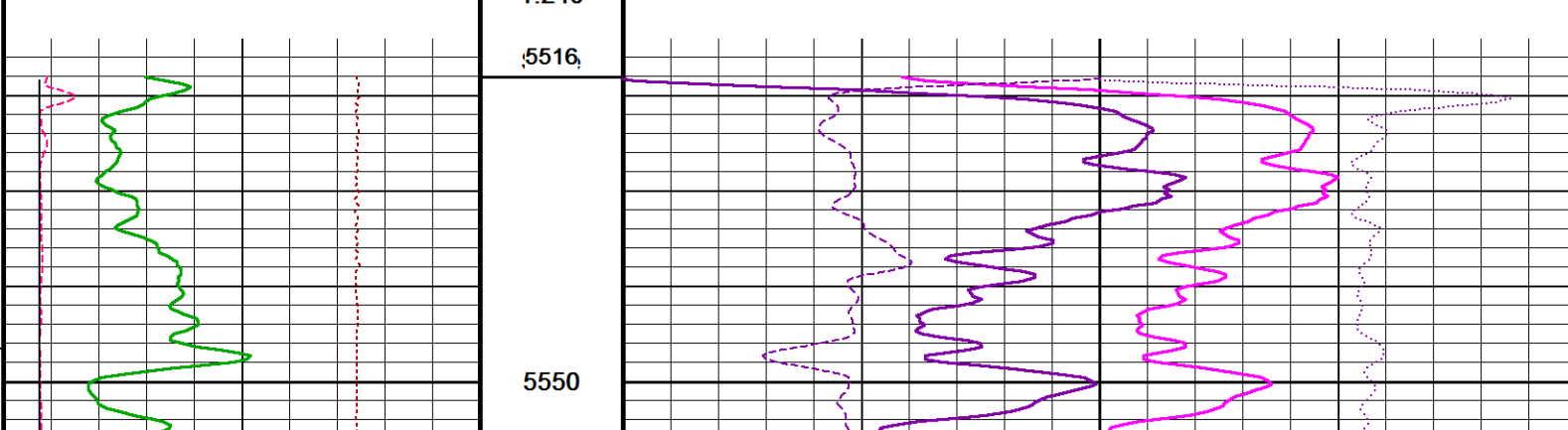
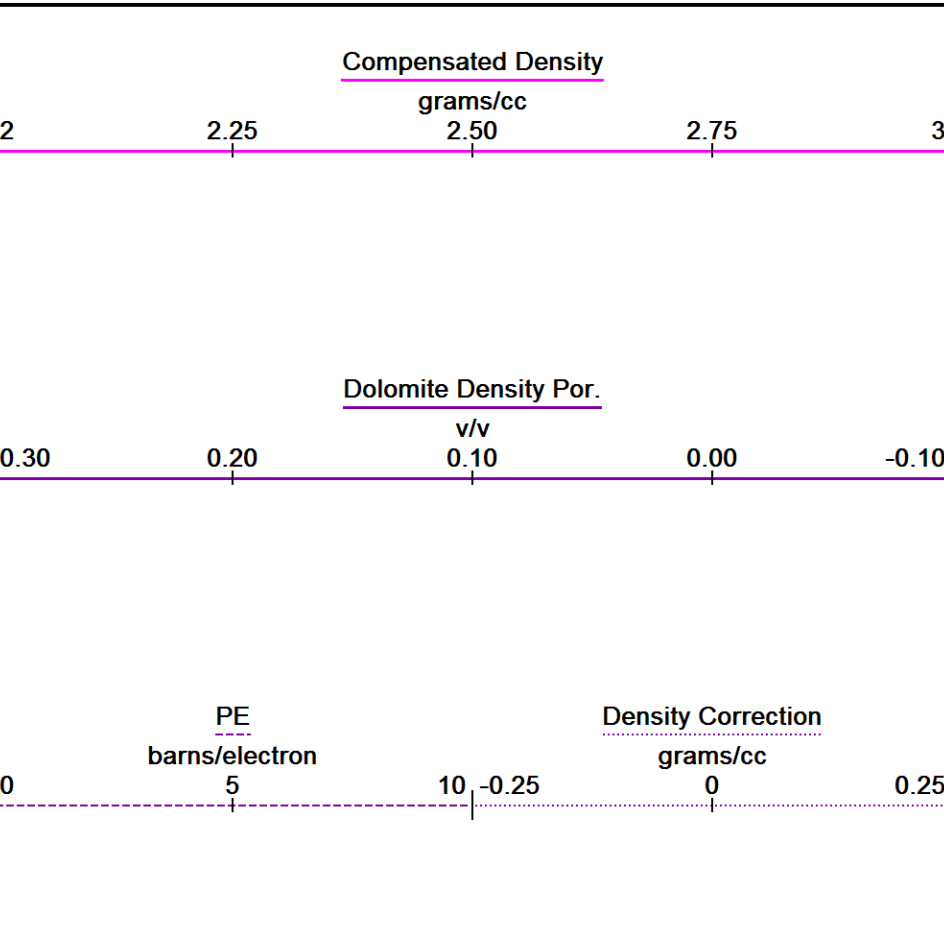
Depth Based Data - Merged File Plotted on 18-JUL-2018 00:53  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 System Versions: Merged 04-MAY-2018 Plotted with 17.05.7583



Depth  
in  
Feet

Borehole  
Temp in  
deg F

Replay  
Scale  
1:240



134°  
5600

←FR MCG Gamma Ray

←FR Density Caliper

FR Dolomite Density Por.

FR Compensated Density →

FR Density Correction →

←FR DST Uphole Tension

5650

Depth  
in  
Feet

Timing Marks  
every 60.0 sec

DST Uphole Tension  
pounds

7000 3500 0  
0 -3500 -7000

MCG Gamma Ray

API  
0 75 150  
150 225 300

Density Caliper  
inches

4 9 14

Bit Size  
inches

4 9 14

Borehole  
Temp in  
deg F

Compensated Density  
grams/cc  
2 2.25 2.50 2.75 3

Dolomite Density Por.

v/v  
0.30 0.20 0.10 0.00 -0.10

PE  
barns/electron

0 5 10 -0.25 0 0.25

Density Correction  
grams/cc

Replay  
Scale  
1:240

↑ **DOL 2.87 - 5 INCH MAIN PASS** ↑

**BEFORE SURVEY CALIBRATION**

C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge

High Resolution Temperature Calibration MAI-C.A 490

Field Calibration on 20-JUN-2018,07:36

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	210.00	212.00

High Resolution Temperature Constants MAI-C.A 490

Last Edited on 02-DEC-2015,13:49

Pre-filter Length 11

Induction Calibration MAI-C.A 490

Factory Loop Calibration 04-JUL-2018 12:15

Field Check on 04-JUL-2018 12:17

Factory Loop Calibration

High Conductivity Reference Resistor	3.3	ohm
Low Conductivity Reference Resistor	333.3	ohm

Array	Measured Signal (unitless)		Reference Conductivity (mmho/m)		Calibration	
	Low	High	Low	High	Gain	Offset
1 (near)	15.2	455.2	9.3	966.2	2.175	-23.8
2	5.9	373.9	7.6	821.4	2.212	-5.5
3	3.7	251.6	5.2	566.0	2.262	-3.0
4 (far)	1.8	128.7	2.6	279.2	2.180	-1.2
Array Temperature	75.6		Deg F			

Tool Checks

Array	Factory Reference (mmho/m)		Before Survey (mmho/m)		Deg F
	Low	High	Low	High	
1 (near)	-2.0	2114.3	-2.0	2114.2	93.1
2	14.1	1921.3	14.1	1921.4	
3	14.1	1678.4	14.1	1678.4	
4 (far)	10.4	1144.8	10.4	1144.8	
Array Temperature	92.9				

Induction Check Tolerances MAI-C.A 490

Low Array 1	-2.0		mmho/m	High Array 1	2114.2		mmho/m
Low Array 2	14.1		mmho/m	High Array 2	1921.4		mmho/m
Low Array 3	14.1		mmho/m	High Array 3	1678.4		mmho/m
Low Array 4	10.4		mmho/m	High Array 4	1144.8		mmho/m

Induction Constants MAI-C.A 490

Last Edited on 15-JUL-2018,08:01

Induction Model	RtAP	
Borehole Correction Constants		
Tool Centred	Yes	
Hole Size Source	Constant Value	
Hole Size Constant Value	4.750	inches
Stand-off Type	N/A	
Stand-off	N/A	inches
Number of Fins on Stand-off	N/A	
Stand-off Fin Angle	N/A	degrees
Stand-off Fin Width	N/A	inches
Rm Source	Global Value: Temperature Corrected	
Temp. for Rm Corr.	MCG External Temperature	
Borehole Correction Method	Legacy	

Squasher Start Number: 90091 API Well Number: 43037303200000  
 Squasher Offset 0.0020 mhos/metre  
 N/A

**Borehole Normalisation**

DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

**Calibration Site Corrections**

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

**Symmetrised Receiver Gains**

Receiver 1	1.00
Receiver 2	1.00
Receiver 3	1.00
Receiver 4	1.00

**Apparent Porosity and Water Saturation Constants**

Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	1.00	v/v
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Rxo	0.00	

**Sonic Constants MSS-D.A 398**

Last Edited on 15-JUL-2018,08:01

Maximum Boundary Contrast	70.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	0.00	micro-sec
MX3FT	1500.00	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft

Sonde Mode	Compensated
Hole Type	Open Hole

**Sonde Parameters**

	Measured	Calibrated
Offset		0.0000
Free Pipe	0.0000	

**Peak Amplitude Source**

Waveform	Start Time (micro-sec)	Width (micro-sec)	Pre Gain	Start Gain	Discriminator (mV)
3'	N/A	N/A	N/A	N/A	N/A
4'	N/A	N/A	N/A	N/A	N/A
5'	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A

**Processed Fixed Gate Parameters**

Waveform Used For Processing	Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	Depth (ft)
N/A	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00

**Full Waveform Parameters**

Use 3' Waveform to derive TR	No	
Use 4' Waveform to derive TR	No	
Use 5' Waveform to derive TR	No	
Use 6' Waveform to derive TR	No	
3' Waveform Discriminator Level	0.30	mV
4' Waveform Discriminator Level	0.30	mV
5' Waveform Discriminator Level	0.15	mV
6' Waveform Discriminator Level	0.15	mV
Waveform Discriminator Filter	Not Applied	
Semblance Window Width	150.00	micro-sec
Semblance Processing Enabled	Yes	
Tracking Boxes Enabled In Processing	Yes	

**FE Calibration MFE-C.A 425**

Base Calibration on 16-JUN-2018 12:24  
Field Check on 04-JUL-2018 12:45

	Resistor 1 (ohm)	Resistor 2 (ohm)
	0.0	1000.0
Base Calibration		
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	966.5	126.8
Base Check		280.4
Field Check		280.6

**FE Calibration Tolerances MFE-C.A 425**

Reference 2	966.5		ohm
Base Check	280.4		ohm-m
Field Check	280.6		ohm-m

**FE Constants MFE-C.A 425**

Last Edited on 15-JUL-2018,08:02

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Borehole Correction Constants		
Sonde Position	Centred	inches
Hole Size Source	Bit Size	
Hole Size Constant Value	N/A	inches
Rm Source	Global Value: Temperature Corrected	
Temp. for Rm Corr.	MCG External Temperature	

**High Resolution Temperature Calibration MCG-E.A 573**

Field Calibration on 02-JUL-2018,14:25

	Measured	Calibrated(Deg F)
Lower	10.00	10.00
Upper	100.00	100.00

**High Resolution Temperature Constants MCG-E.A 573**

Last Edited on 28-APR-2018,21:02

Pre-filter Length	11
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**SP Calibration MCG-E.A 573**

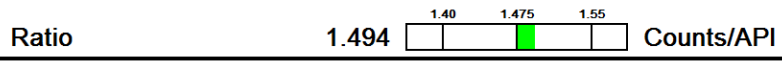
Field Calibration on 02-JUL-2018,14:25

	Measured	Calibrated (mV)
Reference 1	100.0	100.0
Reference 2	-100.0	-100.0

**Gamma Calibration MCG-E.A 573**

Field Calibration on 04-JUL-2018 13:17

	Measured	Calibrated (API)
Background	39	26
Calibrator (Gross)	756	506
Calibrator (Net)	717	480



Gamma Constants MCG-E.A 573 Last Edited on 12-JUL-2018,08:56

Gamma Calibrator Number GRCC 112  
 GRC-M Calibrator Jig in Use? NO  
 Inactive Background Jig in Use? NO  
 Mud Density 1.00 gm/cc  
 Caliper Source for Processing Bit Size  
 Tool Position Eccentred  
 Potassium Equivalence Chloride  
 K Mud Concentration 0.00 %

Down-hole Tension Calibration SMS 0 Field Calibration on 15-JUL-2018 07:46

Reading No	Measured	
1	14873.40	0.00
2	15673.25	519.00

General Constants All 000 Last Edited on 15-JUL-2018,08:01

General Parameters  
 Mud Resistivity 3.470 ohm-metres  
 Mud Resistivity Temperature 57.100 degrees F  
 Water Level 0.000 feet  
 Borehole Fluid Processing Wet Hole

Hole/Annular Volume and Differential Caliper Parameters  
 HVOL Method Single Caliper  
 HVOL Caliper 1 None  
 HVOL Caliper 2 N/A  
 Annular Volume Diameter 0.000 inches  
 Caliper for Differential Caliper None

Rwa Parameters  
 Porosity used Wyllie Lime. Sonic Por.  
 Resistivity used Deep Induction  
 RWA Constant A 0.620  
 RWA Constant M 2.150  
 SW/APOR Tool Source 0.000

Caliper Calibration MPD-D.A 474 Base Calibration on 04-JUL-2018 11:46  
Field Calibration on 04-JUL-2018 11:48

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	15812	4.01
2	25437	5.96
3	35443	7.96
4	45024	9.86
5	55837	11.88
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
4.02	4.01

Caliper Calibration Tolerances MPD-D.A 474

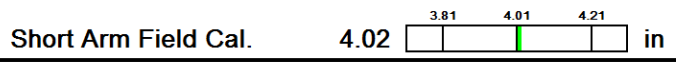


Photo Density Calibration MPD-D.A 474 Base Calibration on 04-JUL-2018 10:53  
Field Check on 04-JUL-2018 10:59

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Background	1194	1397		
Reference 1	53107	26082	59509	30925
Reference 2	21420	2545	24862	2515



Field Check

1193.5 1411.5

PE Calibration

Base Calibration	WS	Measured WH	Ratio	Calibrated Ratio
Background	226	1068		
Reference 1	23487	52917	0.449	0.371
Reference 2	6580	21284	0.314	0.269

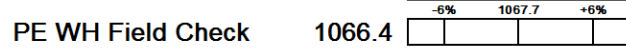
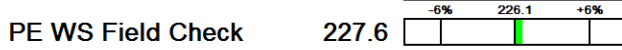
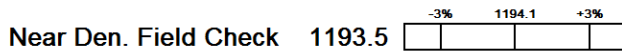
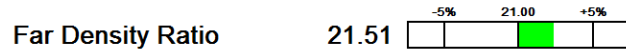
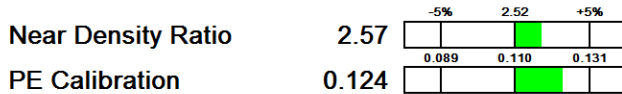
Field Check at Base

226.1 1067.7

Field Check

227.6 1066.4

Photo Density Calibration Tolerances MPD-D.A 474



Density Constants MPD-D.A 474

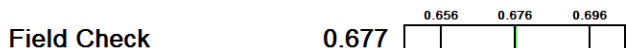
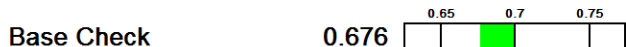
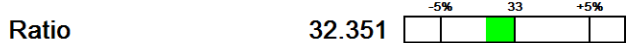
Last Edited on 11-JUL-2018,14:13

Density Source Id	H79949B
Nylon Calibrator Number	DNC-D630
Aluminium Calibrator Number	DAC-D657
Density Shoe Profile	4 inch
Caliper Source for Processing	Density Caliper
PE Correction to Density	Not Applied
Mud Density	1.00 gm/cc
Mud Density Type	
Mud Filtrate Density	1.00 gm/cc
Dry Hole Mud Filtrate Density	1.00 gm/cc
DNCT	0.00 gm/cc
CRCT	0.00 gm/cc
Density Z/A Correction	Hybrid
Precision Enhanced Density Processing	Not Applied
Matrix Density (gm/cc)	Depth (ft)
2.71	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

Neutron Calibration MDN-C.A 499

Base Calibration on 19-JUN-2018 09:25  
Field Check on 04-JUL-2018 12:33

Base Calibration	Measured		Calibrated (cps)	
	Near	Far	Near	Far
Ratio	2903	90	3714	110
	32.351		33.764	
Field Calibrator at Base			Calibrated (cps)	
Ratio			2139	3162
			0.676	
Field Check			Calibrated (cps)	
Ratio			2044	3018
			0.677	



Neutron Constants MDN-C.A 499

Last Edited on 11-JUL-2018,13:39

Neutron Source Id	P44387B	
Neutron Jig Number	NECD 105	
Air Hole Processing	Modified Ratio	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	7.00	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	None	
Temperature	N/A	degrees F
Mud Salinity	0.00	kppm
Salinity Correction	Not Applied	
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

Caliper Calibration MVC-A.A 137

Base Calibration on 06-JUL-2018 10:34  
 Field Calibration on 06-JUL-2018 10:35

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	8650	4.01
2	15256	5.96
3	22331	7.96
4	29117	9.86
5	36270	11.87
6	N/A	N/A

Field Calibration	Measured Caliper (in)	Actual Caliper (in)
	11.87	11.88

DOWNHOLE EQUIPMENT

C:\LOGS\ELK\MCU M-13\MCU M-13\_Porosity\_Main Pass.dta

Cablehead, 11 pin  
 CBH-CA 120 LG: 2.40 ft WT: 24.3 lb OD: 2.240 in

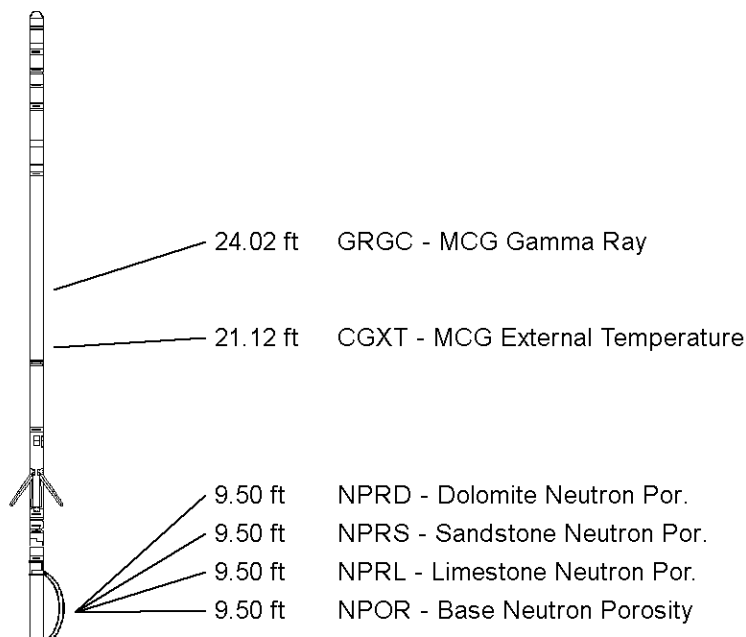
11C-11B Compact Tool Adaptor  
 MTA-K.B 374 LG: 1.53 ft WT: 13.2 lb OD: 2.240 in

Compact Swivel Head Adaptor  
 SHA-J.B 590 LG: 2.30 ft WT: 22.0 lb OD: 2.244 in

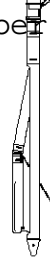
Compact Comms Gamma  
 MCG-E.A 573 LG: 8.70 ft WT: 63.9 lb OD: 2.240 in

Compact Vee Arm Caliper  
 MVC-A.A 137 LG: 8.06 ft WT: 61.7 lb OD: 2.244 in

Compact Neutron  
 MDN-C.A 499 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in



Sundry Number: 90091 API Well Number: 43037303200000  
 Compact Density/Caliper  
 MPD-D.A 474 LG: 9.59 ft WT: 90.4 lb OD: 2.244 in



- 2.26 ft CLDC - Density Caliper
- 0.33 ft DEN - Compensated Density
- 0.33 ft DCOR - Density Correction
- 0.33 ft DPOR - Base Density Porosity
- 0.33 ft DPRD - Dolomite Density Por.
- 0.33 ft DPRS - Sandstone Density Por.
- 0.33 ft DPRL - Limestone Density Por.
- 0.27 ft PDPE - PE
- Tool Zero (2.35ft from bottom)
- 2.35 ft SMTU - DST Uphole Tension

Compact Pressure Bung  
 HFS 2 LG: 0.13 ft WT: 4.4 lb OD: 2.244 in

Total Length: 37.74 ft Weight: 330.7 lb

All measurements relative to tool zero.

COMPANY ELK PETROLEUM  
 WELL MCELMO CREEK UNIT #M-13  
 FIELD GREATER ANETH  
 PROVINCE/COUNTY SAN JUAN  
 COUNTRY/STATE U.S.A./UTAH

Elevation Kelly Bushing	4656	feet	First Reading	5643.00	feet
Elevation Drill Floor		feet	Depth Driller	5662.00	feet
Elevation Ground Level	4644	feet	Depth Logger	5647.00	feet



**Weatherford**<sup>®</sup>

DUAL NEUTRON  
 PHOTO-DENSITY



**Weatherford**

**ARRAY INDUCTION**

COMPANY	ELK PETROLEUM		
WELL	MCELMO CREEK UNIT #M-13		
FIELD	GREATER ANETH		
PROVINCE/COUNTY	SAN JUAN		
COUNTRY/STATE	U.S.A./UTAH		
LOCATION	897' FNL & 402' FEL		
PERMIT NUMBER	SLB&M SVY		
SEC 6	TWP 41S	RGE 25E	Other Services
Latitude			DUAL NEUTRON
Longitude			COMPENSATED SONIC
ADP Number	43-037-30320		PHOTO-DENSITY
Permanent Datum GL, Elevation	4644 feet		
Log Measured From KB, 12.00 feet above Permanent Datum			
Drilling Measured From KB			
Date	15-JUL-2018		Elevations:
Run Number	ONE		KB 4656.00
Service Order	7263-218772049		DF
Depth Driller	5662.00		GL 4644.00
Depth Logger	5647.00		
First Reading	5639.00		
Last Reading	5518.00		
Casing Driller	5513.00		
Casing Logger	5518.00		
Bit Size	4.750		
Hole Fluid Type	WATER		
Density / Viscosity	---		
FO / Fluid Loss	---		
Sample Source	WATER SUPPLY		
Rm @ Measured Temp	3.47 @ 57.1		ohm-m
Rmf @ Measured Temp	2.60 @ 57.1		ohm-m
Rmc @ Measured Temp	5.20 @ 57.1		ohm-m
Source Rmf / Rmc	CALC		CALC
Rm @ BHT	1.52 @134.0		ohm-m
Time Since Circulation	---		
Max Recorded Temp	134.00		deg F
Equipment / Base	13370		ODESSA
Recorded By	BRIAN GRAHAMANN		
Witnessed By	JASON BURRIS		

**BOREHOLE RECORD**

Last Edited: 14-JUL-2018 14:54

Bit Size inches	Depth From feet	Depth To feet
17.500	0.00	100.00
12.250	100.00	1488.00
7.875	1488.00	5513.00
4.750	5513.00	5662.00

**CASING RECORD**

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	13.375	0.00	100.00	48.00
INTERMED	8.625	0.00	1488.00	24.00
PRODUCT	5.500	0.00	5513.00	14.00

**REMARKS**

-TOOLS RAN RUN ONE: MAI, MSS, MFE, MISD, MCG, SHA, MTA RAN IN COMBINATION  
 -TOOLS RAN RUN TWO: MPD, MDN, MVC, MCG, SHA, MTA RAN IN COMBINATION

-HARDWARE  
 RUN ONE:  
 MAI: INLINE CENTRALIZER

RUN TWO:  
 MDN: DUAL ECCENTRALIZER

-FLUID LEVEL OBSERVED AT 1574' ON BOND LOG

LOGS CORRELATED TO COMPENSATED NEUTRON DENSITY LOG RECORDED ON 11-21-79 BY CG INTERNATIONAL

-2.71 AND 2.87 G/CC MATRIX DENSITY USED TO CALCULATE POROSITY

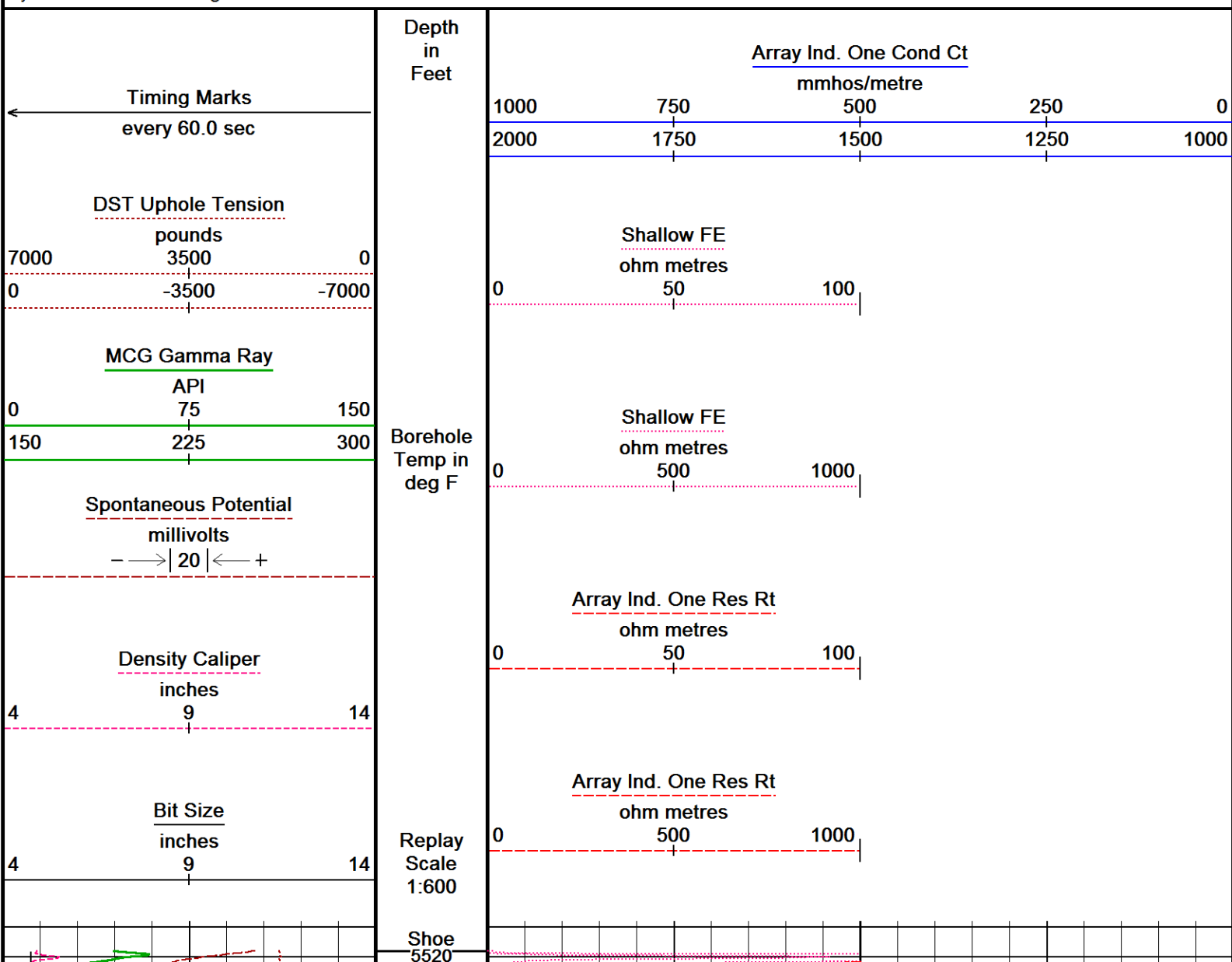
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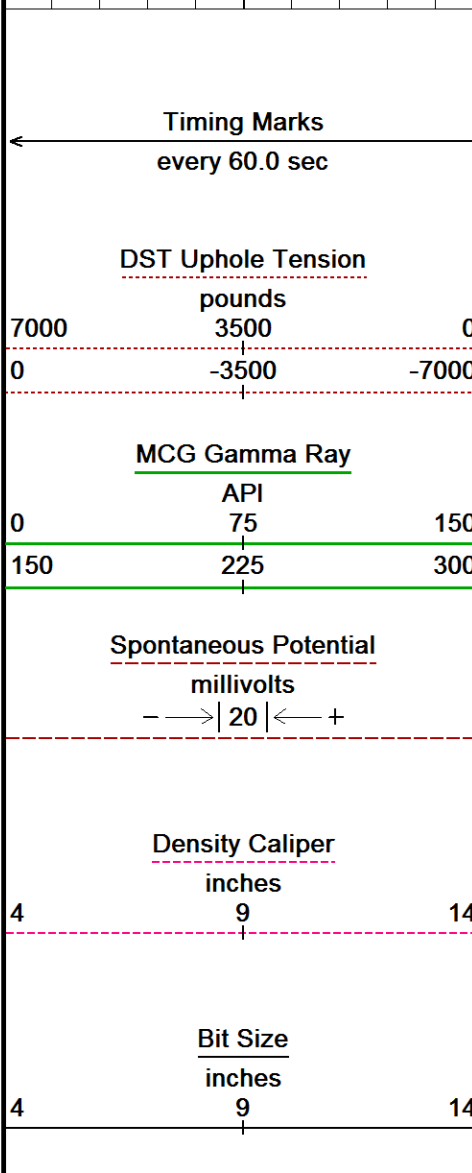
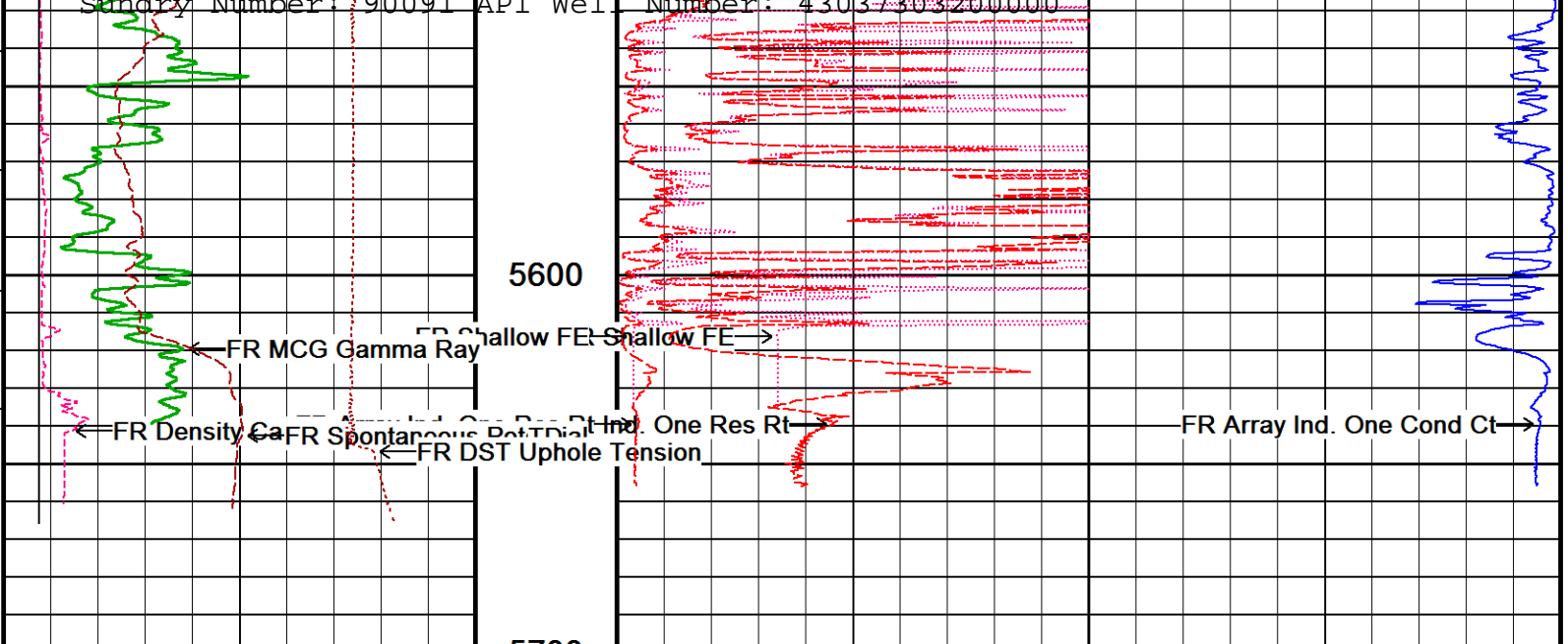
ENGINEER: BRIAN GRAHMANN  
 OPERATORS: CODY DORSEY, HECTOR CARRILLO, AHMED LAZIM  
 SALES ENGINEER: WALTER CAMPBELL

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.

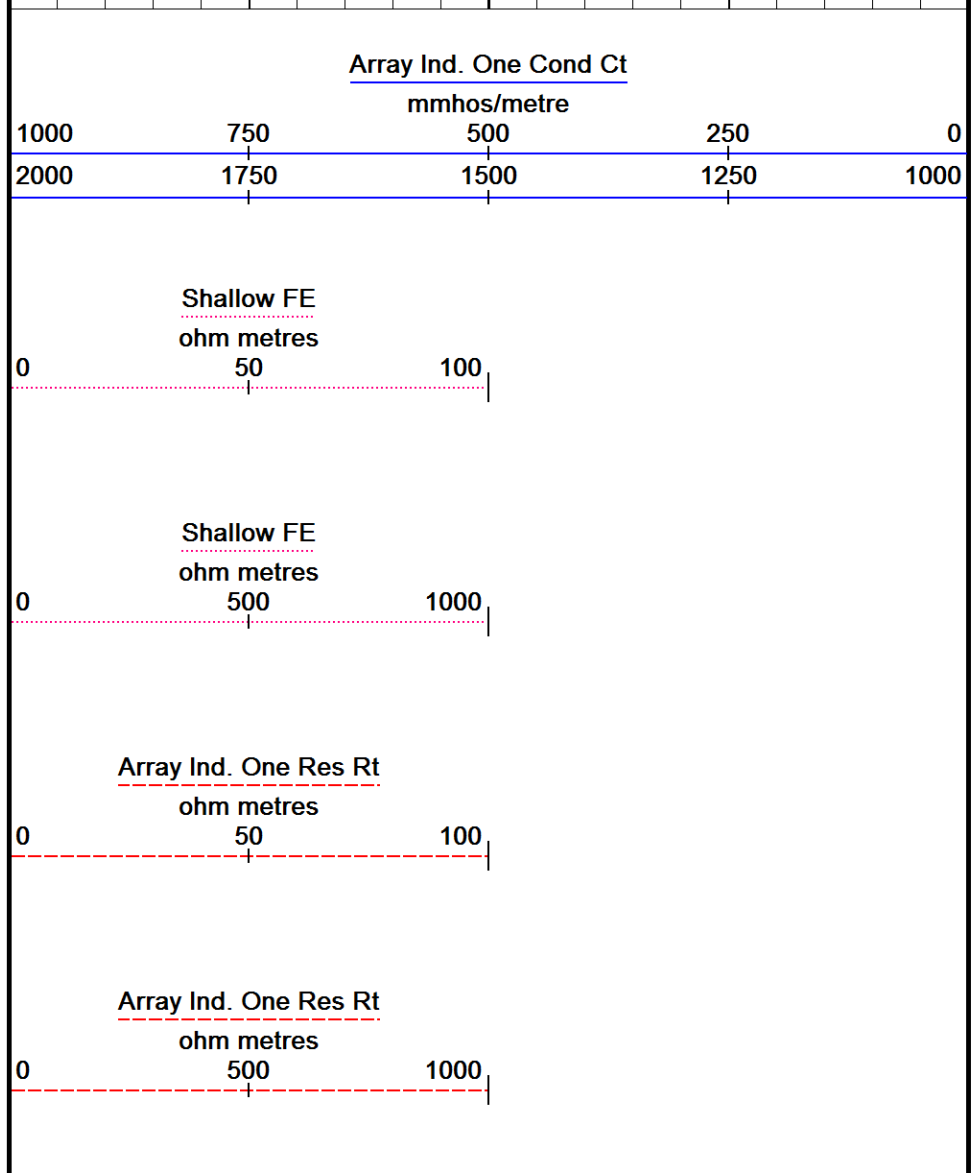
**2 INCH MAIN PASS**

Depth Based Data - Merged File Plotted on 15-JUL-2018 14:09  
 Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Main Pass.mge Merged on 15-JUL-2018 13:59  
 System Versions: Merged 04-MAY-2018 Plotted with 18.01.6830



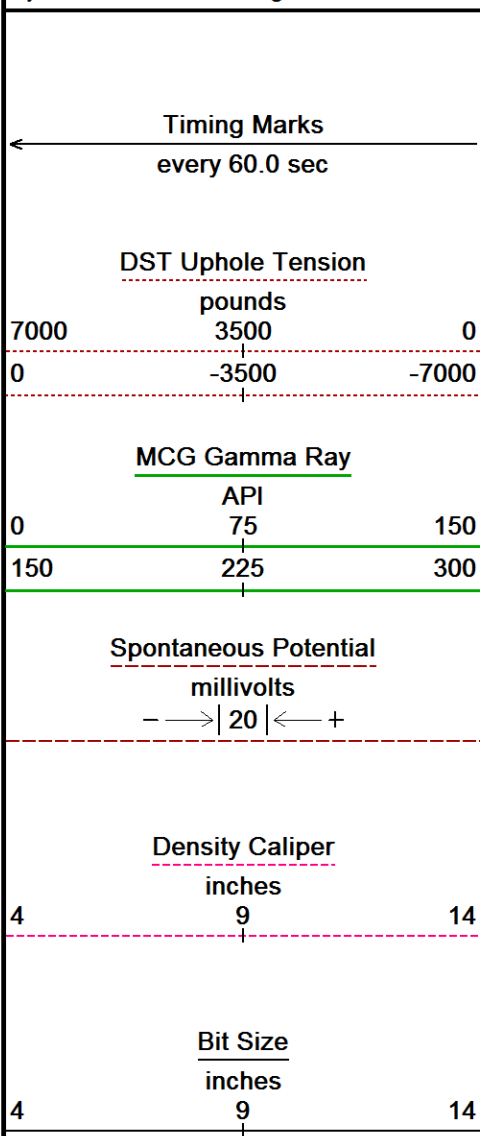


5600  
5700  
Depth in Feet  
Borehole Temp in deg F  
Replay Scale 1:600



↑ 2 INCH MAIN PASS ↑

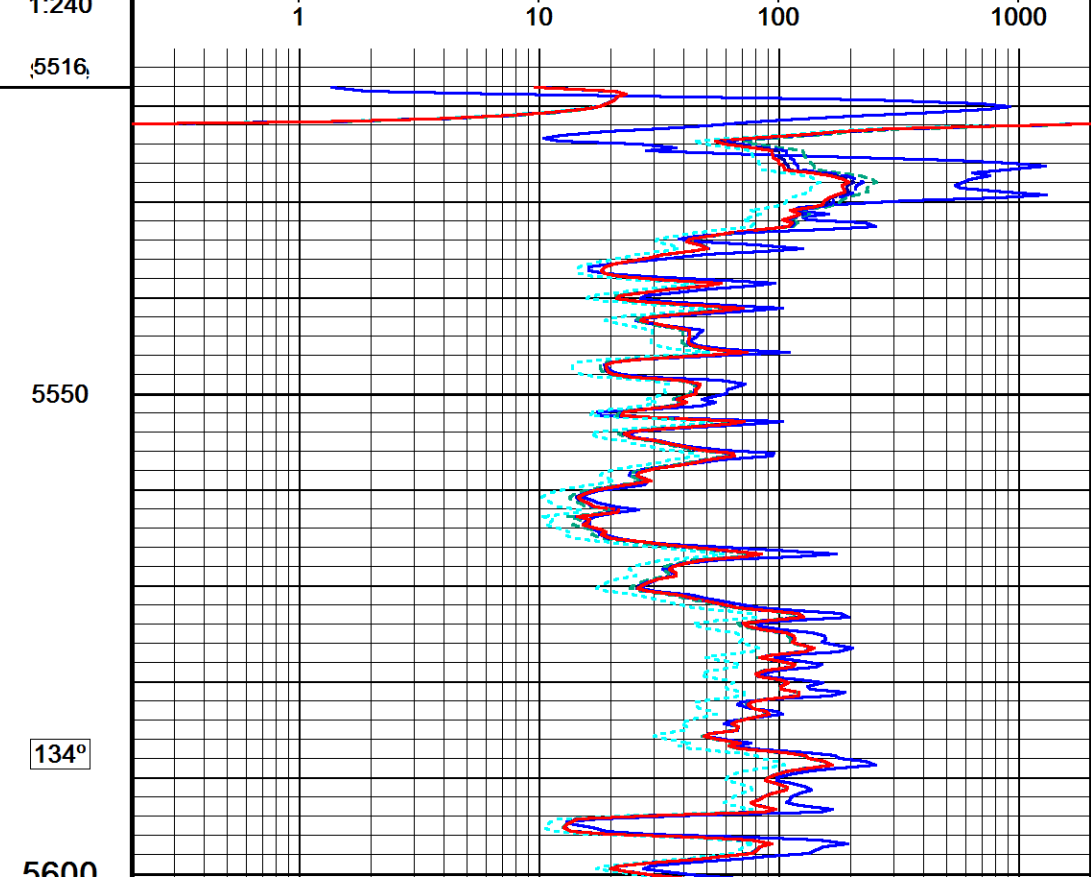
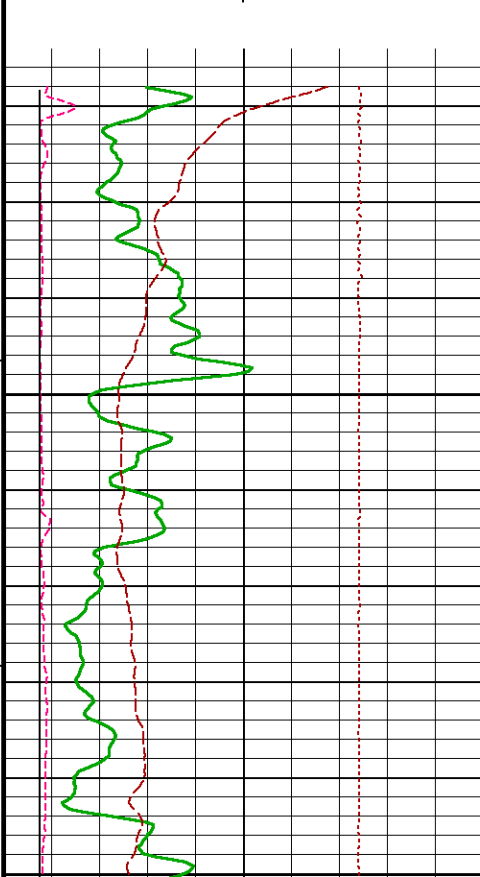
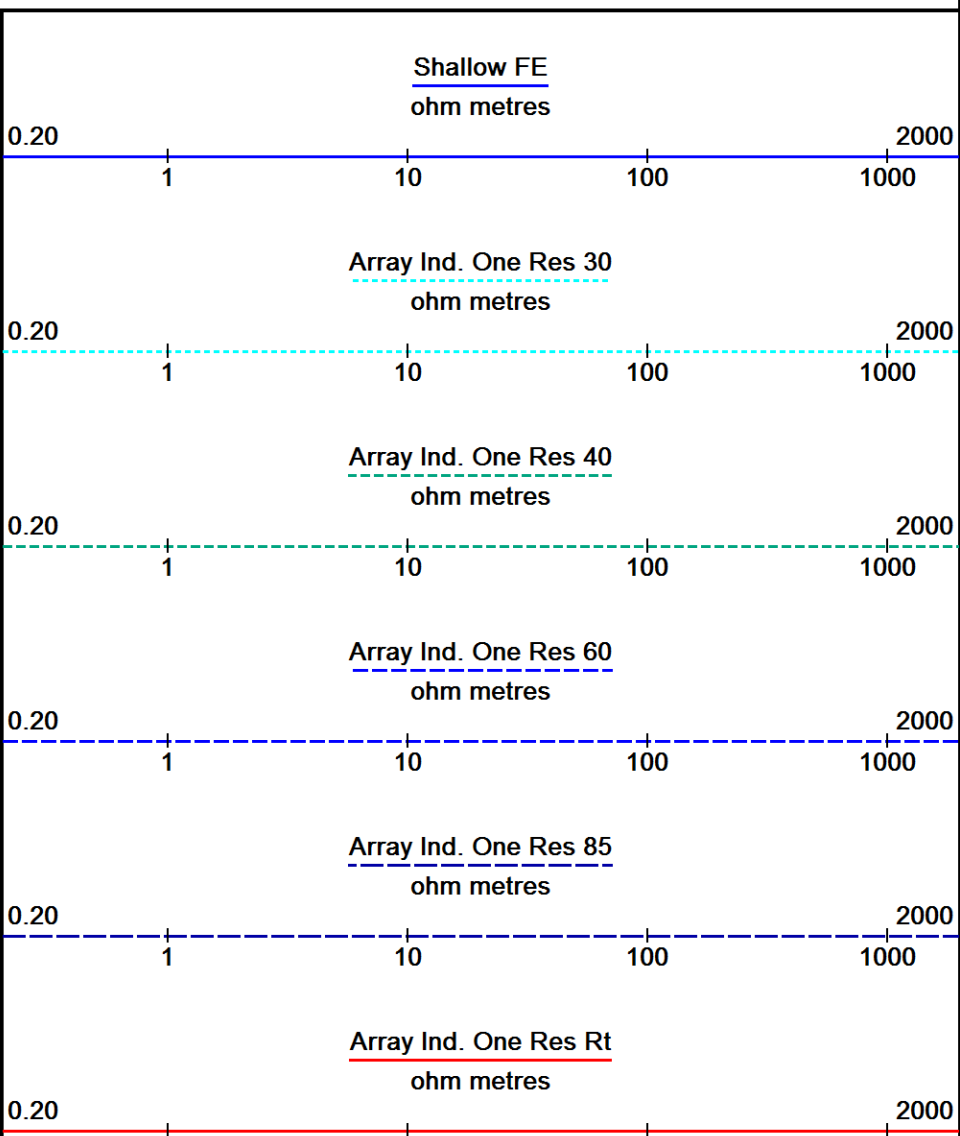
↓ 5 INCH MAIN PASS ↓

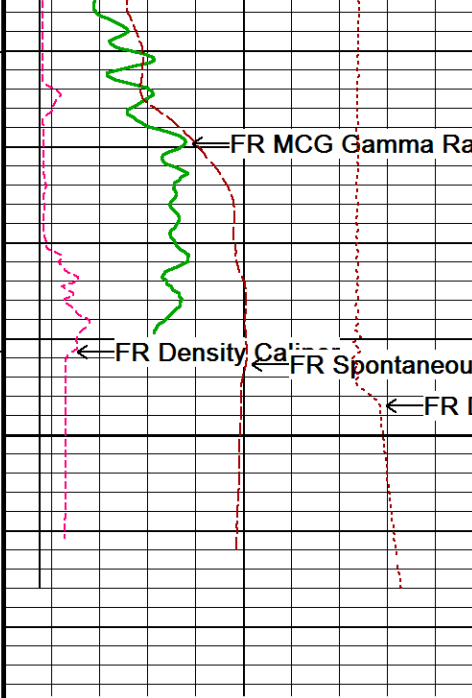


Depth  
in  
Feet

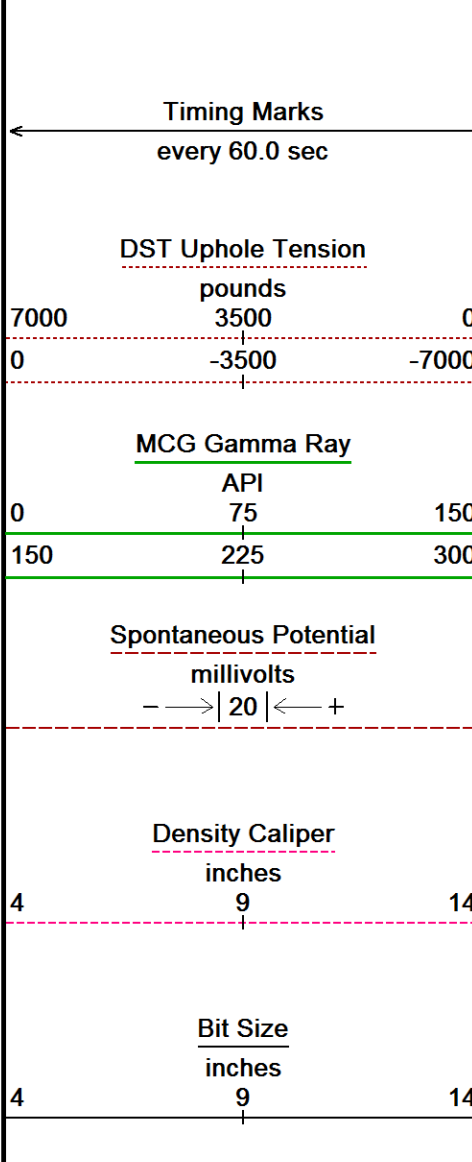
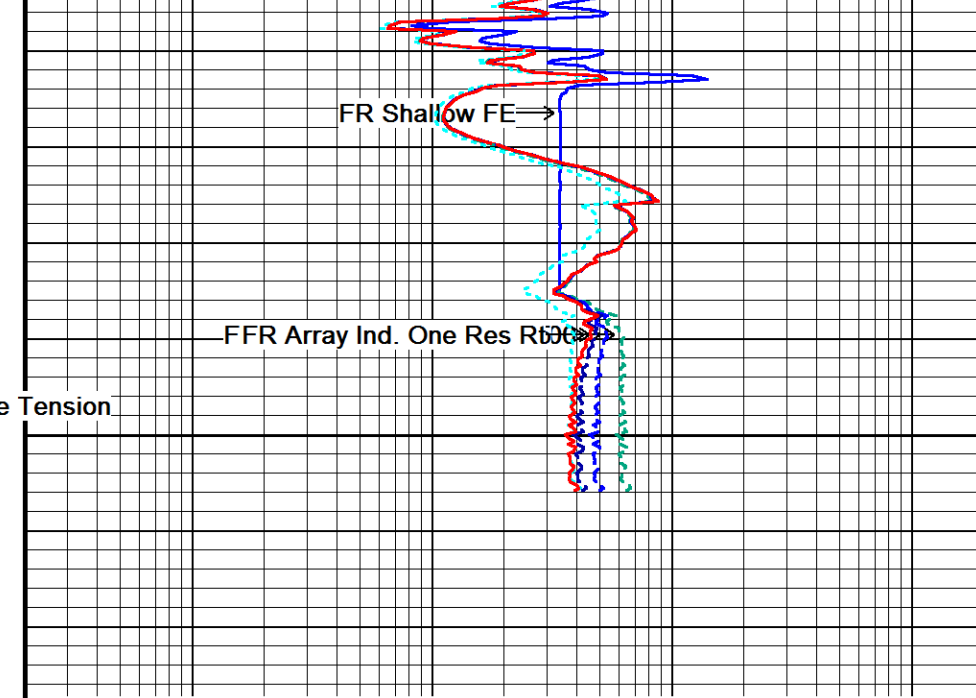
Borehole  
Temp in  
deg F

Replay  
Scale  
1:240

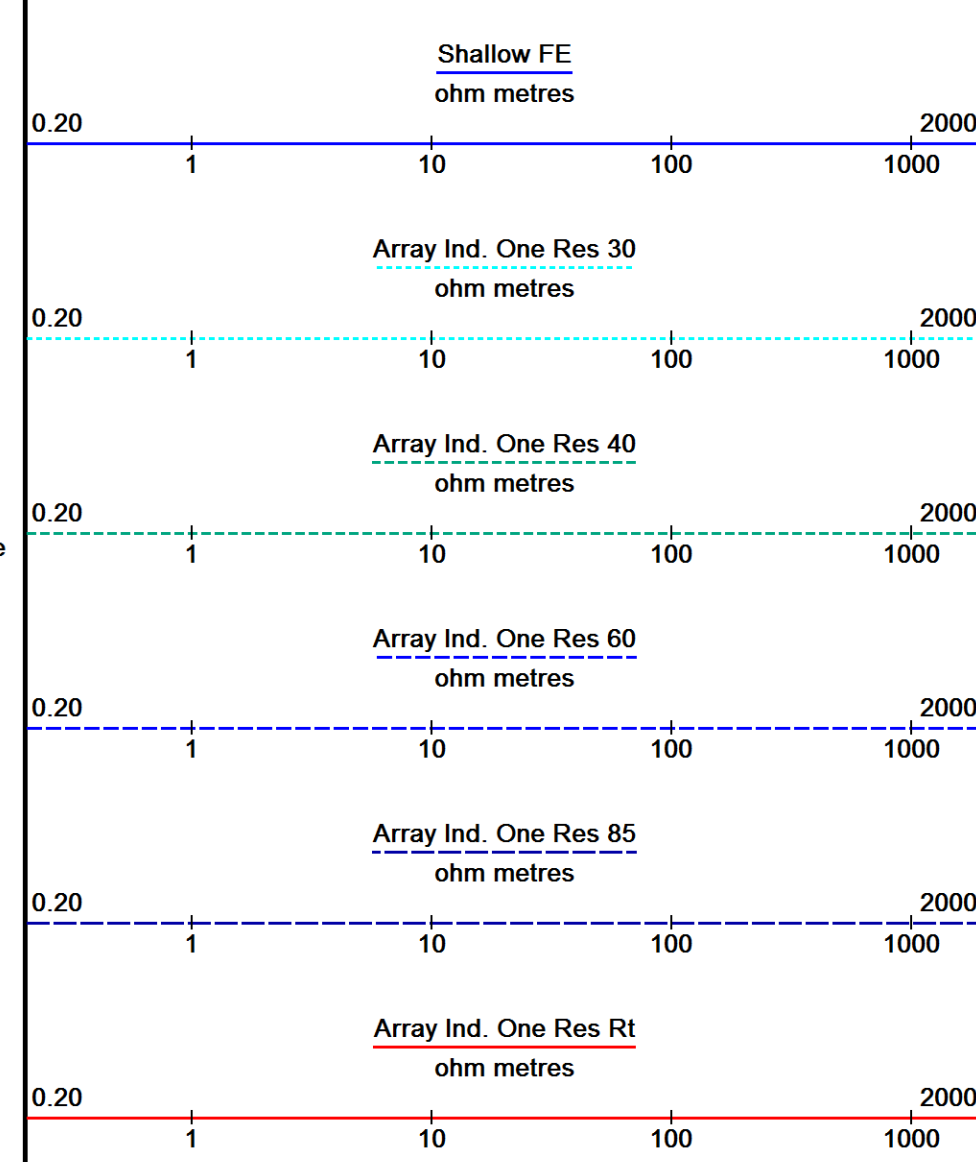




5650  
TD  
Uphole Tension



Depth in Feet  
Borehole Temp in deg F  
Replay Scale 1:240





Depth Based Data - Merged File

Plotted on 15-JUL-2018 14:09

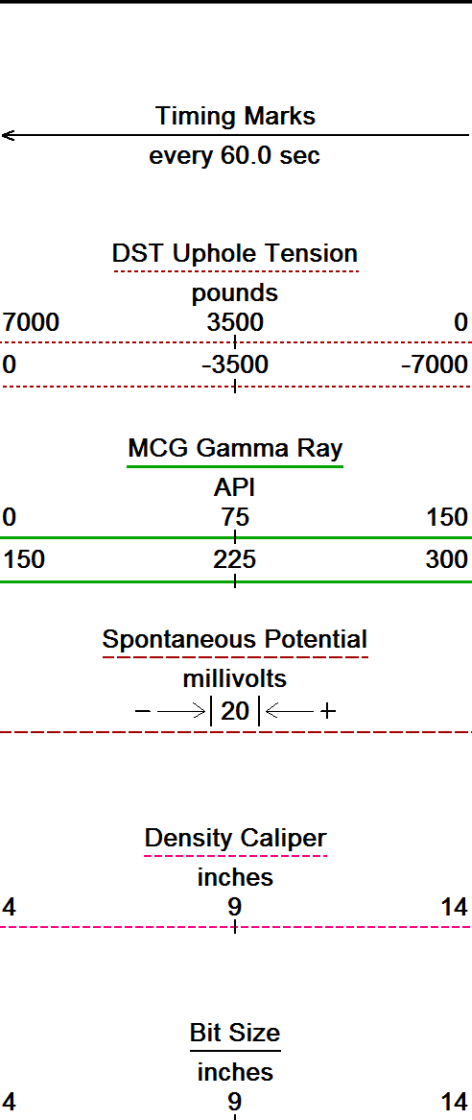
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Merged on 15-JUL-2018 13:59

Filename: C:\LOGS\ELK\MCU M-13\MCU #M-13\_Repeat Pass.mge

Merged on 15-JUL-2018 13:54

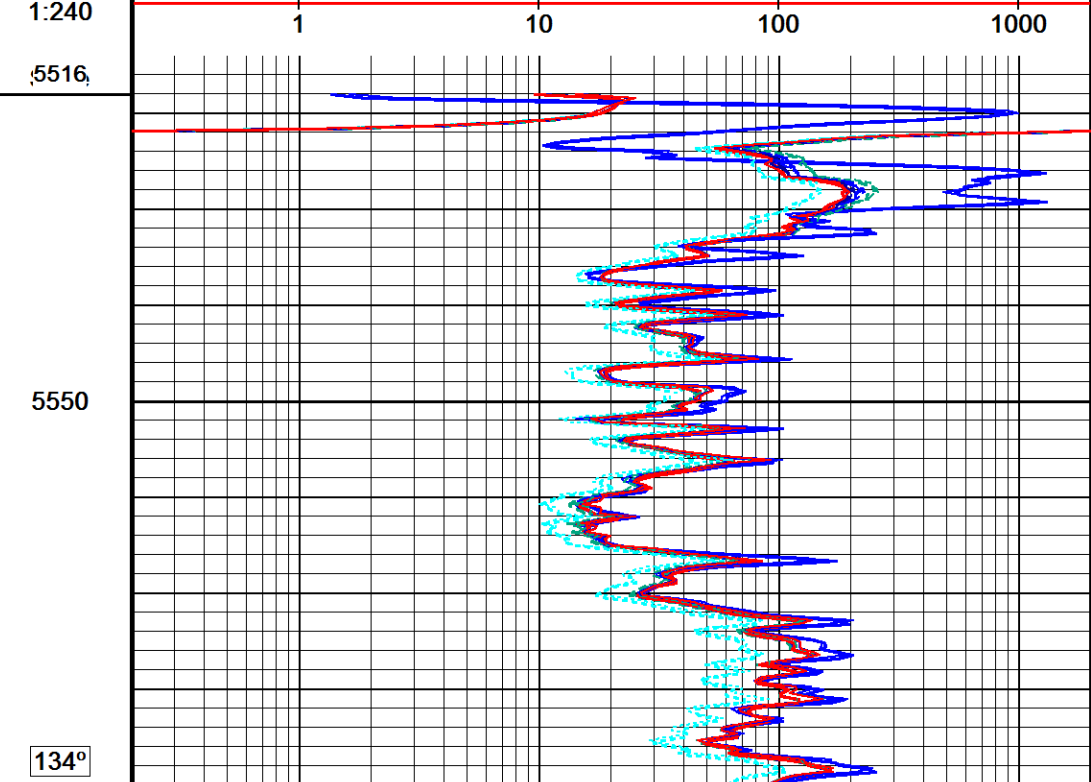
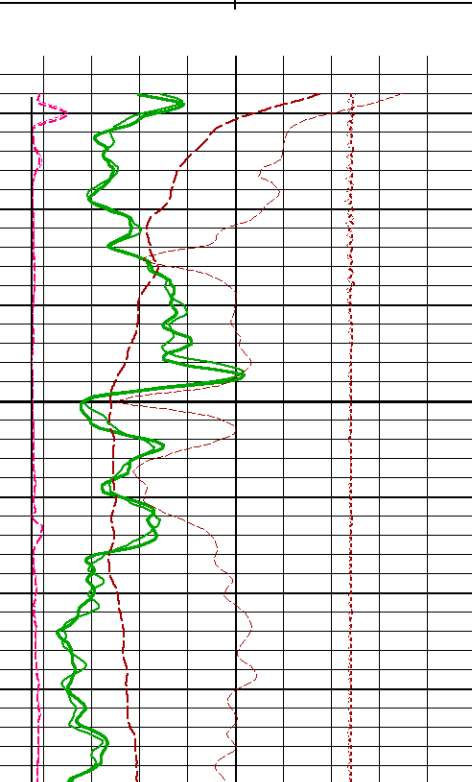
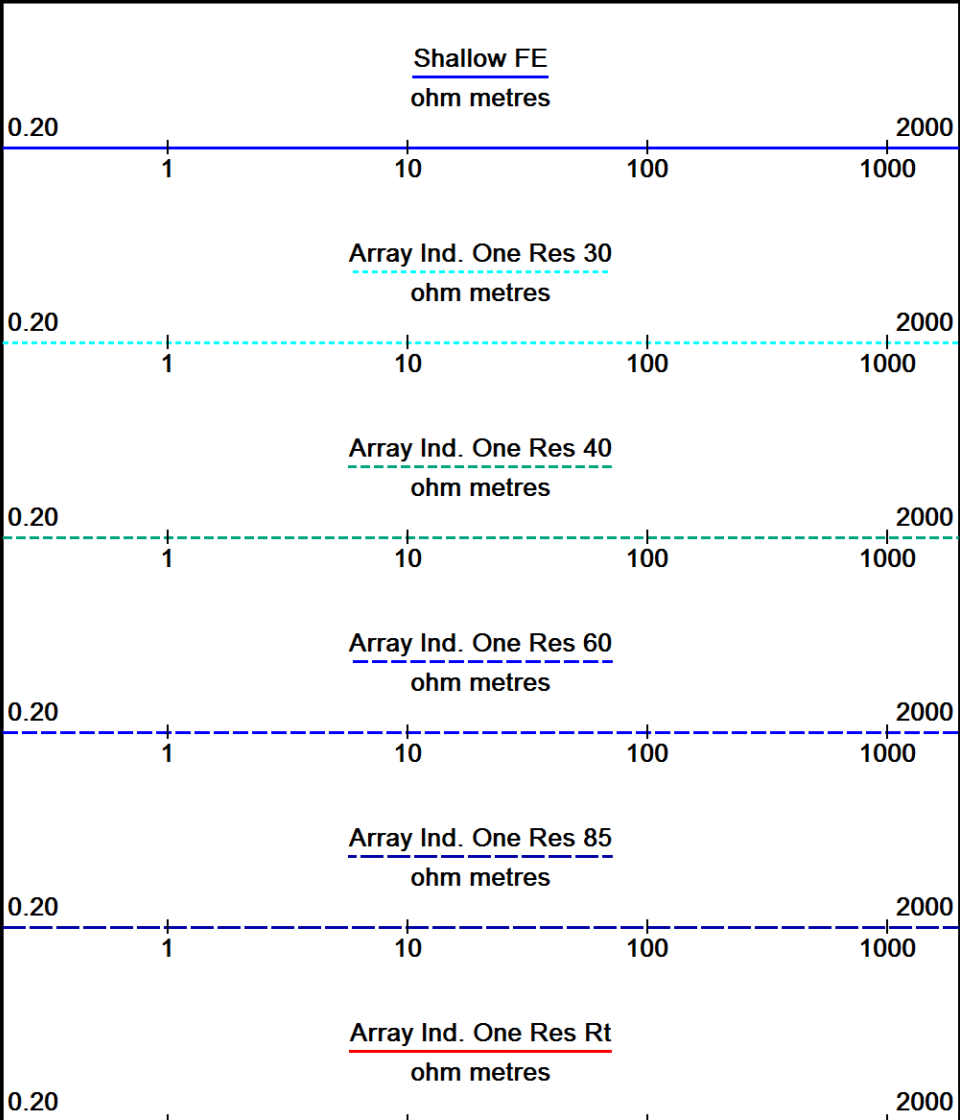
System Versions: Merged 04-MAY-2018 Plotted with 18.01.6830



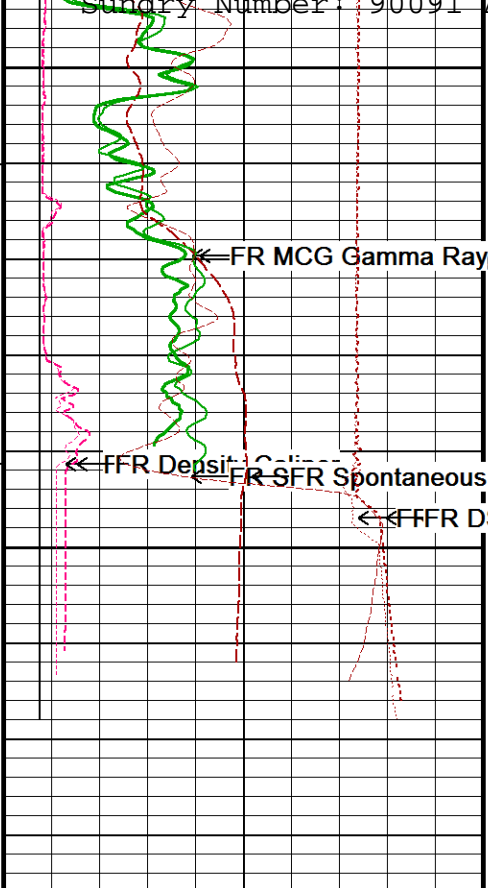
Depth in Feet

Borehole Temp in deg F

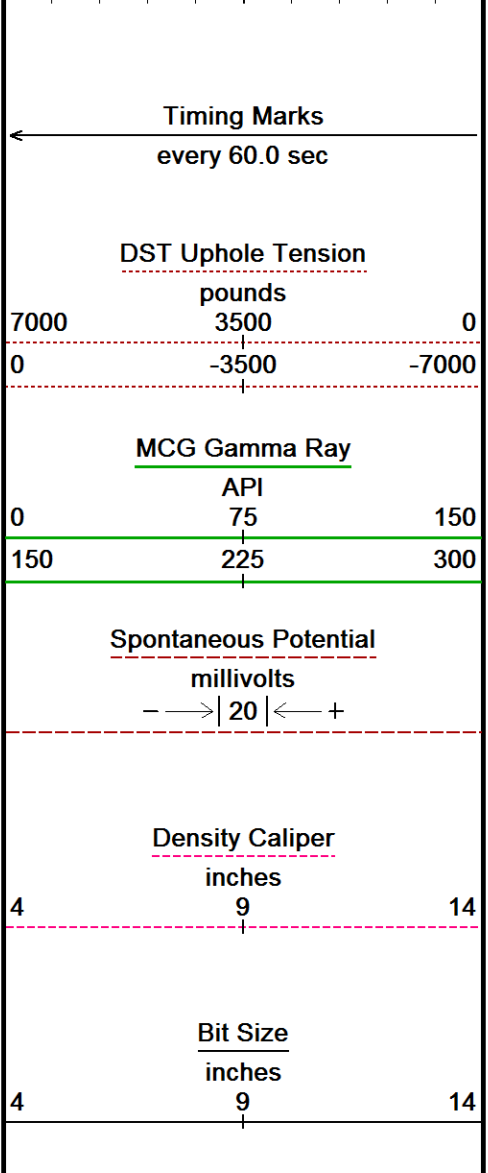
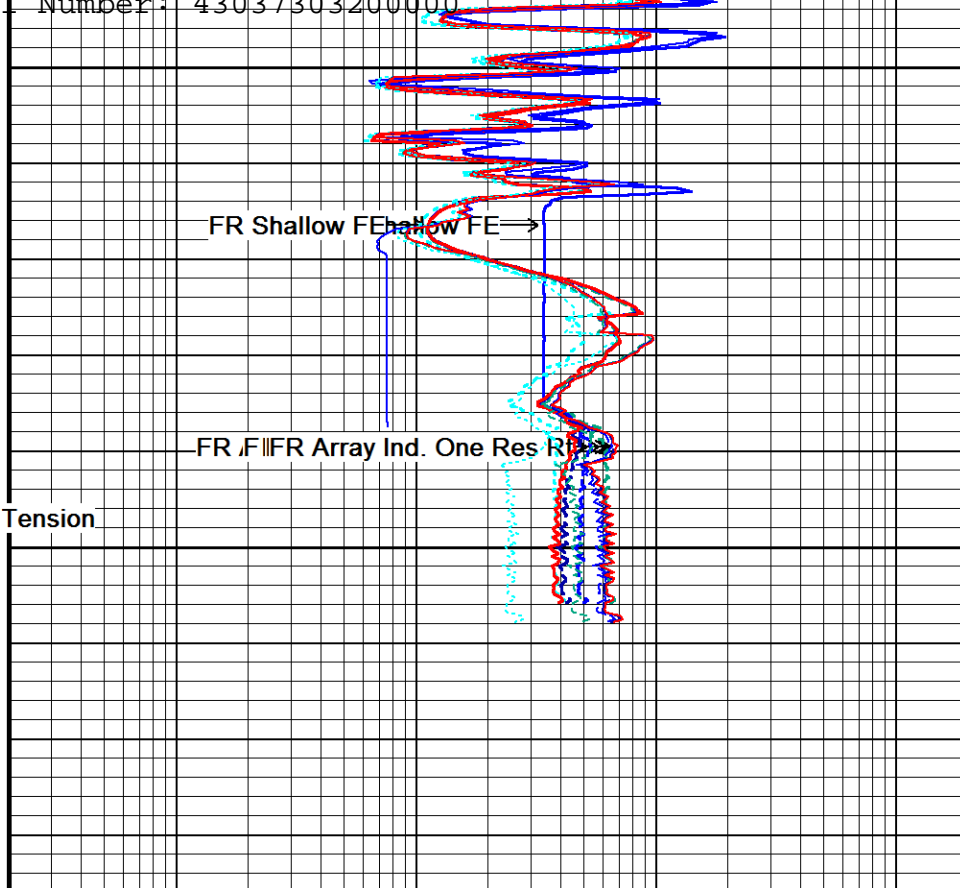
Replay Scale 1:240



5600



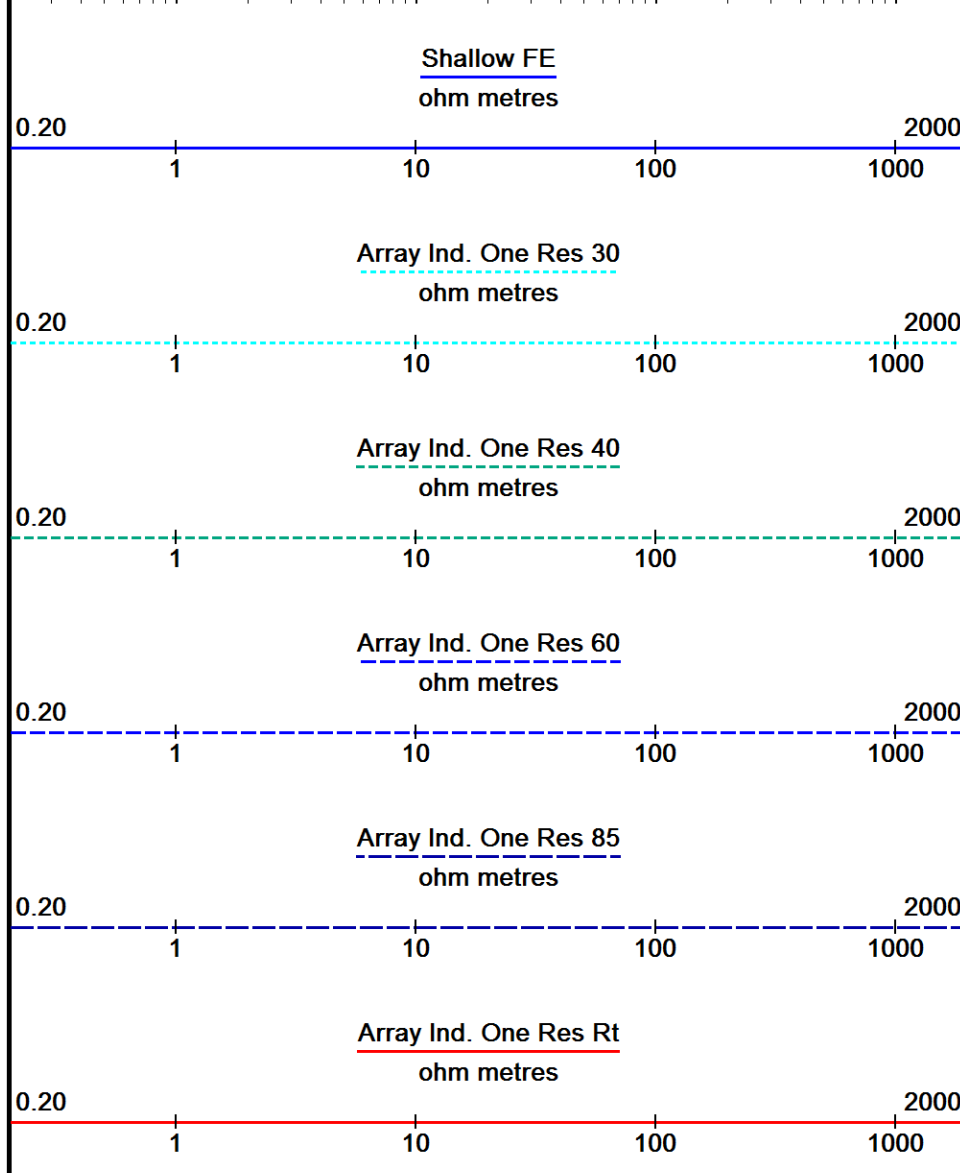
5650



Depth in Feet

Borehole Temp in deg F

Replay Scale 1:240



↑ **5 INCH REPEAT PASS** ↑

**BEFORE SURVEY CALIBRATION**

C:\LOGS\ELK\MCU M-13\MCU M-13\_Resistivity\_Main Pass.dta

General Constants All 000 Last Edited on 15-JUL-2018,08:01

**General Parameters**

Mud Resistivity	3.470	ohm-metres
Mud Resistivity Temperature	57.100	degrees F
Water Level	0.000	feet
Borehole Fluid Processing	Wet Hole	

**Hole/Annular Volume and Differential Caliper Parameters**

HVOL Method	Single Caliper	
HVOL Caliper 1	None	
HVOL Caliper 2	N/A	
Annular Volume Diameter	0.000	inches
Caliper for Differential Caliper	None	

**Rwa Parameters**

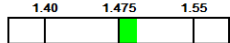
Porosity used	Wyllie Lime. Sonic Por.	
Resistivity used	Deep Induction	
RWA Constant A	0.620	
RWA Constant M	2.150	
SW/APOR Tool Source	0.000	

Gamma Calibration MCG-E.A 573

Field Calibration on 04-JUL-2018 13:17

	Measured	Calibrated (API)
Background	39	26
Calibrator (Gross)	756	506
Calibrator (Net)	717	480

Gamma Calibration Tolerances MCG-E.A 573

Ratio 1.494  Counts/API

Gamma Constants MCG-E.A 573

Last Edited on 12-JUL-2018,08:56

Gamma Calibrator Number	GRCC 112	
GRC-M Calibrator Jig in Use?	NO	
Inactive Background Jig in Use?	NO	
Mud Density	1.00	gm/cc
Caliper Source for Processing	Bit Size	
Tool Position	Eccentred	
Potassium Equivalence	Chloride	
K Mud Concentration	0.00	%

High Resolution Temperature Calibration MCG-E.A 573

Field Calibration on 02-JUL-2018,14:25

	Measured	Calibrated(Deg F)
Lower	10.00	10.00
Upper	100.00	100.00

High Resolution Temperature Constants MCG-E.A 573

Last Edited on 28-APR-2018,21:02

Pre-filter Length 11

FE Calibration MFE-C.A 425

Base Calibration on 16-JUN-2018 12:24

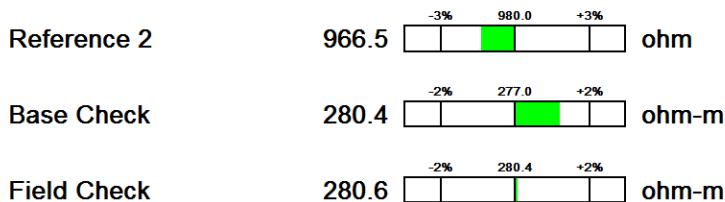
Field Check on 04-JUL-2018 12:45

	Resistor 1 (ohm)	Resistor 2 (ohm)
Base Calibration	0.0	1000.0

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	966.5	126.8

Reference 2 966.5  
 Sundry Number: 90091 API Well Number: 43037303200000  
 Base Check 280.4  
 Field Check 280.6

FE Calibration Tolerances MFE-C.A 425



FE Constants MFE-C.A 425

Last Edited on 15-JUL-2018,08:02

Running Mode No Sleeve  
 MFE K Factor 0.1268  
 Borehole Correction Constants  
 Sonde Position Centred inches  
 Hole Size Source Bit Size  
 Hole Size Constant Value N/A inches  
 Rm Source Global Value: Temperature Corrected  
 Temp. for Rm Corr. MCG External Temperature

Induction Calibration MAI-C.A 490

Factory Loop Calibration 04-JUL-2018 12:15  
 Field Check on 04-JUL-2018 12:17

Factory Loop Calibration

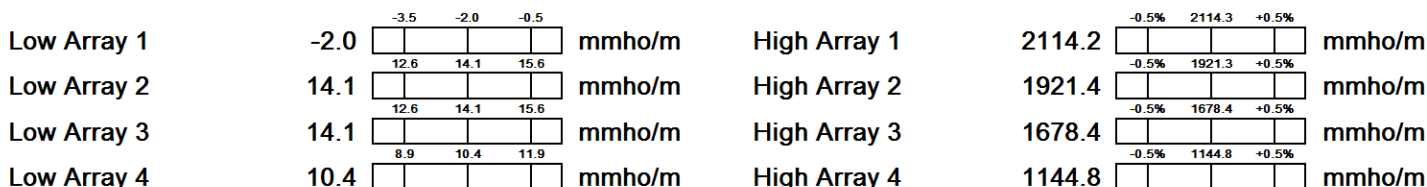
High Conductivity Reference Resistor 3.3 ohm  
 Low Conductivity Reference Resistor 333.3 ohm

Array	Measured Signal (unitless)		Reference Conductivity (mmho/m)		Calibration	
	Low	High	Low	High	Gain	Offset
1 (near)	15.2	455.2	9.3	966.2	2.175	-23.8
2	5.9	373.9	7.6	821.4	2.212	-5.5
3	3.7	251.6	5.2	566.0	2.262	-3.0
4 (far)	1.8	128.7	2.6	279.2	2.180	-1.2
Array Temperature	75.6		Deg F			

Tool Checks

Array	Factory Reference (mmho/m)		Before Survey (mmho/m)		Deg F
	Low	High	Low	High	
1 (near)	-2.0	2114.3	-2.0	2114.2	93.1
2	14.1	1921.3	14.1	1921.4	
3	14.1	1678.4	14.1	1678.4	
4 (far)	10.4	1144.8	10.4	1144.8	
Array Temperature	92.9				

Induction Check Tolerances MAI-C.A 490



Induction Constants MAI-C.A 490

Last Edited on 15-JUL-2018,08:01

Induction Model RtAP  
 Borehole Correction Constants  
 Tool Centred Yes  
 Hole Size Source Constant Value  
 Hole Size Constant Value 4.750 inches  
 Stand-off Type N/A  
 Stand-off N/A inches  
 Number of Fins on Stand-off N/A  
 Stand-off Fin Angle N/A degrees

Stand-off Fin Width: N/A  
 Sundry Number: 90091 API Well Number: 15037303200000

Rm Source Global Value: Temperature Corrected  
 Temp. for Rm Corr. MCG External Temperature  
 Borehole Correction Method Legacy

Squasher Start 0.0020 mhos/metre  
 Squasher Offset N/A mhos/metre

**Borehole Normalisation**

DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

**Calibration Site Corrections**

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

**Symmetrised Receiver Gains**

Receiver 1	1.00
Receiver 2	1.00
Receiver 3	1.00
Receiver 4	1.00

**Apparent Porosity and Water Saturation Constants**

Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	1.00	v/v
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Rxo	0.00	

**DOWNHOLE EQUIPMENT**

C:\LOGS\IELK\MCU M-13\MCU M-13\_Resistivity\_Main Pass.dta

Cablehead, 11 pin  
 CBH-CA 120 LG: 2.40 ft WT: 24.3 lb OD: 2.240 in

11C-11B Compact Tool Adaptor  
 MTA-K.B 374 LG: 1.53 ft WT: 13.2 lb OD: 2.240 in

Compact Swivel Head Adaptor  
 SHA-J.B 590 LG: 2.30 ft WT: 22.0 lb OD: 2.244 in

Compact Comms Gamma  
 MCG-E.A 573 LG: 8.70 ft WT: 63.9 lb OD: 2.240 in

Compact Inline Bowspring sub  
 MIS-D.B 806 LG: 5.70 ft WT: 33.1 lb OD: 2.240 in

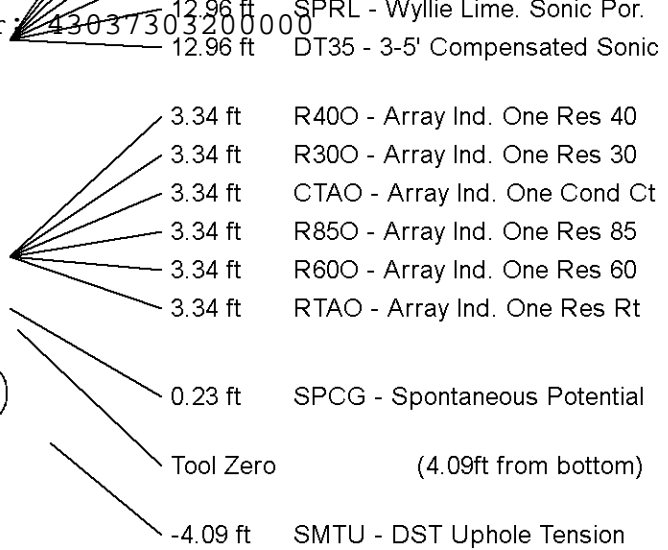
Compact Focussed Electric  
 MFE-C.A 425 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Sonic  
 MSS-D.A 398 LG: 12.52 ft WT: 72.8 lb OD: 2.244 in



- 38.50 ft GRGC - MCG Gamma Ray
- 35.59 ft CGXT - MCG External Temperature
- 26.43 ft FEFC - Shallow FE (Phase Corr.)
- 26.43 ft FEFE - Shallow FE
- 12.96 ft SHRD - Dolomite H-R Sonic Por.
- 12.96 ft SHRS - Sandstone H-R Sonic Por.
- 12.96 ft SHRL - Limestone H-R Sonic Por.
- 12.96 ft SPRD - Wyllie Dolo. Sonic Por.
- 12.96 ft SPRS - Wyllie Sand. Sonic Por.

Sundry Number: 90091 API Well Number:




Compact Induction  
 MAI-C.A 490 LG: 14.76 ft WT: 48.5 lb OD: 2.244 in

Total Length: 53.96 ft Weight: 326.3 lb

All measurements relative to tool zero.

COMPANY	ELK PETROLEUM
WELL	MCELMO CREEK UNIT #M-13
FIELD	GREATER ANETH
PROVINCE/COUNTY	SAN JUAN
COUNTRY/STATE	U.S.A./UTAH

Elevation Kelly Bushing	4656	feet	First Reading	5639.00	feet
Elevation Drill Floor		feet	Depth Driller	5662.00	feet
Elevation Ground Level	4644	feet	Depth Logger	5647.00	feet



ARRAY INDUCTION

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. 1420603372
2. Name of Operator ELK OPERATING SERVICES LLC      Contact: AMY LOPEZ E-Mail: alopez@elkga.com		6. If Indian, Allottee or Tribe Name SHIPROCK
3a. Address 1700 BROADWAY, SUITE 2950 DENVER, CO 80203	3b. Phone No. (include area code) Ph: 303-861-6255	7. If Unit or CA/Agreement, Name and/or No. 7960041900
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  Sec 6 T41S R25E NENE 0914FNL 0411FEL 37.256040 N Lat, 109.207280 W Lon		8. Well Name and No. MCELMO CREEK M-13
		9. API Well No. 43-037-30320-00-S1
		10. Field and Pool or Exploratory Area DESERT CREEK
		11. County or Parish, State SAN JUAN COUNTY, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Elk Operating Services, LLC respectfully submits this Subsequent Sundry as notice that the well deepening for MCU M-13 well was completed on 07/31/2018:

1. Move In Rig Up.
2. Pull & Lay Down production equipment.
3. Clean out to 5517? (PBSD).
4. Drill 4-3/4? open hole (vertical) from 5517? to 5662? MD/TVD into the Chimney Rock Shale.
5. Install production tubing and pump assembly
6. Rig Down Move Out.
7. Return well to production.

Attachments include:  
Current Well Bore Diagram Sonic Logs, Density Logs and Resistivity Logs.

**RECEIVED**  
**NOV 19 2018**  
**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #432308 verified by the BLM Well Information System For ELK OPERATING SERVICES LLC, sent to the Farmington Committed to AFMSS for processing by JACK SAVAGE on 11/06/2018 (18JWS0071SE)</b>	
Name (Printed/Typed) CHARLES DALTON	Title ENGINEERING TECHNICIAN
Signature (Electronic Submission)	Date 08/22/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	JACK SAVAGE Title PETROLEUM ENGINEER	Date 11/06/2018
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

UT

**Revisions to Operator-Submitted EC Data for Sundry Notice #432308**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	DEEP SR	DEEP SR
Lease:	1420603372	1420603372
Agreement:		7960041900 (UTU68930A)
Operator:	ELK OPERATING SERVICES, LLC 1700 LINCOLN STREET SUITE 2550 DENVER, CO 80203 Ph: 303-861-6255	ELK OPERATING SERVICES LLC 1700 BROADWAY, SUITE 2950 DENVER, CO 80203 Ph: 303.861.6255
Admin Contact:	AMY LOPEZ REGULATORY ANALYST E-Mail: alopez@elkga.com  Ph: 303-861-6255	AMY LOPEZ CONTRACT REGULATORY ANALYST E-Mail: alopez@elkga.com  Ph: 303-861-6255
Tech Contact:	CHARLES DALTON ENGINEERING TECHNICIAN E-Mail: Charles.Dalton@elkpet.com  Ph: 303-861-6255	CHARLES DALTON ENGINEERING TECHNICIAN E-Mail: Charles.Dalton@elkpet.com  Ph: 303-861-6255
Location:		
State:	UT	UT
County:	SAN JUAN	SAN JUAN
Field/Pool:	GREATER ANETH	DESERT CREEK
Well/Facility:	MCELMO CR M-13 Sec 6 T41S R25E Mer SLB NENE 914FNL 411FEL	MCELMO CREEK M-13 Sec 6 T41S R25E NENE 0914FNL 0411FEL 37.256040 N Lat, 109.207280 W Lon



Division of Oil, Gas and Mining  
 Operator Change/Name Change Worksheet-for State use only

Effective Date: 1/1/2018

FORMER OPERATOR:	NEW OPERATOR:
Resolute Natural Resources 1700 Lincoln, Suite 2800 Denver, CO 80203	Elk Operating Services, LLC 1700 Lincoln, Suite 2950 Denver, CO 80203

Groups: Bev  
 Aneth-Enhanced Recovery - Active  
 McElmo Creek - Enhanced Recovery - Active  
 Ratherford - Enhanced Recovery - Active

**WELL INFORMATION:**

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
SEE ATTACHED LISTS									

*Pages 7-21*

**OPERATOR CHANGES DOCUMENTATION:**

- Sundry or legal documentation was received from the **FORMER** operator on: 12/21/2018
- Sundry or legal documentation was received from the **NEW** operator on: 12/21/2018
- New operator Division of Corporations Business Number: 10639865-0161

**REVIEW:**

Receipt of Acceptance of Drilling Procedures for APD on: NA  
 Reports current for Production/Disposition & Sundries: 1/9/2018  
 OPS/SI/TA well(s) reviewed for full cost bonding: NA  
 UIC5 on all disposal/injection/storage well(s) approved on: 12/21/2018  
 Surface Facility(s) included in operator change: Aneth Gas Plant and Aneth Compressor Station

**NEW OPERATOR BOND VERIFICATION:**

State/fee well(s) covered by Bond Number(s): SUR033474

**DATA ENTRY:**

Well(s) update in the RBDMS on: 1/30/2018  
 Group(s) update in RDBMS on: 1/30/2018  
 Surface Facilities update in RBDMS on: 1/30/2018  
 Entities Updated in RBDMS on: 1/30/2018

**COMMENTS:**

This Operator Change is an Operator Name Change. All wells and facilities are going to Elk Operating Services, LLC.





1700 LINCOLN, SUITE 2950  
DENVER, CO 80203  
PHONE: 303-861-6255

December 15, 2017

Ms. Rachel Medina  
Bonding Technician  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

RECEIVED  
DEC 21 2017  
DIV. OF OIL, GAS & MINING


Dear Ms. Medina:

Effective January 1, 2018, Resolute Natural Resources Company will resign as operator of the Greater Aneth Field and Elk Operating Services, LLC (Elk) will become the designated operator. Enclosed are the required change of operator documents, by the three units located within the Greater Aneth Field: Aneth Unit, McElmo Unit, and Rutherford Unit. Each unit change of operator packet includes the following:

- **A letter requesting an operator number** for Elk Operating Services, LLC
- **Form 9 Sundry Notices and Reports on Wells** – one for Resolute Natural Resources Company and one for Elk Operating Services, LLC
- **UIC Form 5 Transfer of Authority to Inject** - signed by representatives of both organizations
- **Form 5 Designation of Agent or Operator**
- A copy of Elk Operating Services, LLC's **Waste Management Plan** - *Placed with the waste management plans*
- The required BIA, BLM, and DOGM bonds are being transferred from Resolute Aneth, LLC to Elk Operating Services, LLC and the bond numbers are as follows:
  - BLM Bond: SUR0033475
  - BIA Bond: SUR0033465
  - DOGM Bond: SUR033474 : *Blanket, plugging, Surety Bond*

Please feel free to contact Sherri Robbins at [srobbins@resoluteenergy.com](mailto:srobbins@resoluteenergy.com) or 303-573-4600 ext. 1195 with any questions. Sherri will be an employee of Elk effective January 1, 2018, but until that time, she may be reached at the above mentioned email and phone number.

Sincerely,

A handwritten signature in blue ink that reads "V. Brian Dolan". The signature is fluid and cursive, with the first name "V." being the most prominent part.

V. Brian Dolan  
Chief Operating Officer

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: 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: Rutherford Unit
2. NAME OF OPERATOR: Elk Operating Services, LLC		8. WELL NAME and NUMBER: See attached list
3. ADDRESS OF OPERATOR: 1700 Lincoln, Suite 2950    City: Denver    STATE: CO    ZIP: 80203		9. API NUMBER: Attached
PHONE NUMBER: (303) 861-6255		10. FIELD AND POOL, OR WILDCAT: See attached list
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached list		COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <u>1/1/2018</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Effective January 1, 2018, Resolute Natural Resources resigns as operator of the Greater Aneth Field, Rutherford Unit and Elk Operating Services, LLC is the designated as successor operator of the Greater Aneth Field, Rutherford Unit.

<p>Current Operator: Resolute Natural Resources 1700 Lincoln, Suite 2800 Denver, CO 80203 303-573-4886</p>	<p>New Operator: Elk Operating Services, LLC 1700 Lincoln, Suite 2950 Denver, CO 80203 303-861-6255</p>
--	---

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

As of the effective date, Elk Operating Services, LLC's bond coverage will transfer to the following:  
BLM Bond # SUR0033475  
BIA Bond # SUR0033465  
DOGM Bond # SUR0033474

NAME (PLEASE PRINT) <u>Brian Dolan</u>	TITLE <u>Chief Operating Officer</u>
SIGNATURE <u><i>Brian Dolan</i></u>	DATE <u>12/12/2017</u>

(This space for State use only)

**APPROVED**

JAN 30 2018

DIV. OF OIL, GAS & MINING

BY: *B. Wilson*

4

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See attached list</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Navajo Tribe</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: <b>McElmo Unit</b>
		8. WELL NAME and NUMBER: <b>See attached list</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>		9. API NUMBER: <b>Attached</b>
2. NAME OF OPERATOR: <b>Resolute Natural Resources (N2700)</b>		10. FIELD AND POOL, OR WILDCAT: <b>See attached list</b>
3. ADDRESS OF OPERATOR: 1700 Lincoln, Suite 2800 <small>CITY</small> <u>Denver</u> <small>STATE</small> <u>CO</u> <small>ZIP</small> <u>80203</u>		PHONE NUMBER: <b>(303) 573-4600</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See attached list</b>		COUNTY: <b>San Juan</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>1/1/2018</b>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Effective January 1, 2018, Resolute Natural Resources resigns as operator of the Greater Aneth Field, McElmo Unit and Elk Operating Services, LLC is the designated as successor operator of the Greater Aneth Field, McElmo Unit.

Current Operator:  
Resolute Natural Resources  
1700 Lincoln, Suite 2800  
Denver, CO 80203  
303-573-4886

New Operator:  
Elk Operating Services, LLC  
1700 Lincoln, Suite 2950  
Denver, CO 80203  
303-861-6255

A list of affected producing and water source wells is attached to Elk Operating Services, LLC's Change of Operator sundry notice. A separate list of affected injection wells is being submitted by Elk with the UIC Form 5, Transfer of Authority to Inject.

As of the effective date, Elk Operating Services, LLC's bond coverage will transfer to the following:  
BLM Bond # SUR0033475  
BIA Bond # SUR0033465  
DOGM Bond # SUR0033474

NAME (PLEASE PRINT) <u>Patrick Flynn</u>	TITLE <u>Vice President - Governmental &amp; Corporate Affairs</u>
SIGNATURE	DATE <u>12/12/2017</u>

(This space for State use only)

APPROVED

JAN 30 2018

BY: B. Wise

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See attached list</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Navajo Tribe</b>
		7. UNIT or CA AGREEMENT NAME: <b>Aneth Unit</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Unit Agreement</u>	8. WELL NAME and NUMBER: <b>See attached list</b>	
2. NAME OF OPERATOR: <b>Elk Operating Services, LLC</b>		9. API NUMBER: <b>Attached</b>
3. ADDRESS OF OPERATOR: 1700 Lincoln, Suite 2950    CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80203</u>	PHONE NUMBER: <b>(303) 861-6255</b>	10. FIELD AND POOL, OR WILDCAT: <b>See attached list</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>See attached list</b>		COUNTY: <b>San Juan</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>1/1/2018</b>	<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	

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

Effective January 1, 2018, Resolute Natural Resources resigns as operator of the Greater Aneth Field, Aneth Unit and Elk Operating Services, LLC is the designated as successor operator of the Aneth Unit.

<p>Current Operator: Resolute Natural Resources 1700 Lincoln, Suite 2800 Denver, CO 80203 303-573-4886</p>	<p>New Operator: Elk Operating Services, LLC 1700 Lincoln, Suite 2950 Denver, CO 80203 303-861-6255</p>
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A list of affected producing and water source wells is attached. A separate list of affected injection wells is being submitted with UIC Form 5, Transfer of Authority to Inject.

As of the effective date, Elk Operating Services, LLC's bond coverage will transfer to the following:  
BLM Bond # SUR0033475  
BIA Bond # SUR0033465  
DOGM Bond # SUR0033474 ✓

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NAME (PLEASE PRINT) <u>Brian Dolan</u>	TITLE <u>Chief Operating Officer</u>
SIGNATURE <u><i>Brian Dolan</i></u>	DATE <u>12/12/2017</u>

(This space for State use only)

**APPROVED**

**JAN 30 2018**

DIV. OF OIL, GAS & MINING  
*B. Wilson*

*u*

197 ct wells

242 ROOMS

API (10-digit)	Tract	UNIT	WELL NAME	WELL NUMBER	TWP	RNG	SEC	QTR-QTR
4303713754	12	RATHERFORD	NAVAJO A 5	21-23	41S	24E	21	NESW
4303715126	06	RATHERFORD	NAVAJO 12-9	09-12	41S	24E	09	NESWNW
4303715127	08	RATHERFORD	NAVAJO 14A-9	09-14A	41S	24E	09	SWSW
4303715336	15	RATHERFORD	NAVAJO 21	28-12	41S	24E	28	SWSWNW
4303715337	14	RATHERFORD	NAVAJO B 12	29-12	41S	24E	29	SWNW
4303715339	14	RATHERFORD	NAVAJO B 11	29-32	41S	24E	29	NESWNE
4303715340	14	RATHERFORD	NAVAJO B-20	29-34	41S	24E	29	SWSE
4303715342	14	RATHERFORD	NAVAJO B 14	30-32	41S	24E	30	NWSWNE
4303715343	14	RATHERFORD	NAVAJO B 5	30-41	41S	24E	30	CNENE
4303715711	07	RATHERFORD	NAVAJO B 3	09-34	41S	24E	09	CSWSE
4303715712	07	RATHERFORD	NAVAJO B 7	10-12	41S	24E	10	CSWNW
4303715713	07	RATHERFORD	NAVAJO B 1	10-14	41S	24E	10	SESWSW
4303715714	07	RATHERFORD	NAVAJO B 4	10-32	41S	24E	10	SWNE
4303715715	12	RATHERFORD	NAVAJO A 6	15-12	41S	24E	15	NWSWNW
4303715717	12	RATHERFORD	NAVAJO A 17	15-32	41S	24E	15	CSWNE
4303715718	12	RATHERFORD	NAVAJO A 32	15-33	41S	24E	15	NWSE
4303715719	12	RATHERFORD	NAVAJO A 15	15-41	41S	24E	15	CNENE
4303715720	12	RATHERFORD	NAVAJO A 13	16-12	41S	24E	16	N2SWNW
4303715721	12	RATHERFORD	NAVAJO A 14	16-14	41S	24E	16	CSWSW
4303715722	12	RATHERFORD	NAVAJO A 9	16-23	41S	24E	16	CNESW
4303715723	12	RATHERFORD	NAVAJO A 7	16-32	41S	24E	16	CSWNE
4303715725	12	RATHERFORD	NAVAJO A 2	16-41	41S	24E	16	CNENE
4303715726	11	RATHERFORD	DESERT A 5	17-12	41S	24E	17	W2SWNW
4303715727	11	RATHERFORD	DESERT A 28	17-14	41S	24E	17	CSWSW
4303715728	11	RATHERFORD	DESERT A 7	17-23	41S	24E	17	S2NESW
4303715729	11	RATHERFORD	DESERT A 13	17-32	41S	24E	17	NWSWNE
4303715730	11	RATHERFORD	DESERT A 25	17-34	41S	24E	17	SESWSE
4303715731	11	RATHERFORD	DESERT 12	17-41	41S	24E	17	NENENE
4303715732	11	RATHERFORD	DESERT A W-33	17-44	41S	24E	17	CSESE
4303715733	11	RATHERFORD	DESERT A 1	18-11	41S	24E	18	SENWNW
4303715734	11	RATHERFORD	DESERT A 8	18-13	41S	24E	18	W2NWSW
4303715735	11	RATHERFORD	DESERT A 11	18-14	41S	24E	18	NWSWSW
4303715736	11	RATHERFORD	DESERT-A 2	18-32	41S	24E	18	SESWNE
4303715737	11	RATHERFORD	DESERT A 14	18-34	41S	24E	18	NESWSE
4303715738	11	RATHERFORD	DESERT-A 4	18-41	41S	24E	18	CNENE
4303715739	11	RATHERFORD	DESERT A 17	19-12	41S	24E	19	SWNW
4303715741	11	RATHERFORD	DESERT A 15	19-21	41S	24E	19	W2NENW
4303715742	11	RATHERFORD	DESERT A 26	19-23	41S	24E	19	NESW
4303715743	11	RATHERFORD	DESERT A 22	19-32	41S	24E	19	CSWNE
4303715744	11	RATHERFORD	DESERT A 29	19-34	41S	24E	19	CSWSE
4303715746	11	RATHERFORD	DESERT A 21	20-12	41S	24E	20	CSWNW
4303715747	11	RATHERFORD	DESERT A 10	20-14	41S	24E	20	SWSW
4303715748	11	RATHERFORD	DESERT A 18	20-23	41S	24E	20	NESW
4303715749	11	RATHERFORD	DESERT A 30	20-32	41S	24E	20	SWNE
4303715751	11	RATHERFORD	DESERT A 27	20-41	41S	24E	20	NENE
4303715753	12	RATHERFORD	NAVAJO-A 10	21-14	41S	24E	21	W2SWSW
4303715839	01	RATHERFORD	N DESERT CREEK 24-1	01-24	41S	23E	01	S2SESW
4303715841	01	RATHERFORD	N DESERT CREEK 42-11	11-42	41S	23E	11	SWSENE
4303715842	01	RATHERFORD	RATHERFORD 44-11	11-44	41S	23E	11	E2SESE
4303715843	01	RATHERFORD	DESERT CREEK 11-12 N	12-11	41S	23E	12	S2NWNW
4303715845	01	RATHERFORD	DESERT CREEK 22-12 N	12-22	41S	23E	12	SENW
4303715846	01	RATHERFORD	RATHERFORD 23-12	12-23	41S	23E	12	S2NESW
4303715847	01	RATHERFORD	DESERT CREEK 31-12 N	12-31	41S	23E	12	SWNWNNE
4303715848	01	RATHERFORD	N DESERT CREEK 33-12	12-33	41S	23E	12	SWNWSE
4303715850	01	RATHERFORD	N DESERT CREEK 42-12	12-42	41S	23E	12	SWSWNE
4303715851	10	RATHERFORD	DESERT CRK N 13-13	13-13	41S	23E	13	CNWSW
4303715852	10	RATHERFORD	DESERT CRK N 22-13	13-22	41S	23E	13	SENW
4303715853	10	RATHERFORD	DESERT CRK N 24-13	13-24	41S	23E	13	SESW
4303715855	10	RATHERFORD	DESERT CRK N 33-13	13-33	41S	23E	13	SENWSE
4303715856	10	RATHERFORD	DESERT CRK N 41-13	13-41	41S	23E	13	CNENE

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4303715857	10	RATHERFORD	DESERT CREEK 42-13	13-42	41S	23E	13	SESENE
4303715858	10	RATHERFORD	N DESERT CREEK 32-14	14-32	41S	23E	14	SESWNE
4303715860	10	RATHERFORD	DESERT CRK N 42-14	14-42	41S	23E	14	SENE
4303715862	10	RATHERFORD	RATHERFORD 31-24	24-31	41S	23E	24	NENWNE
4303715863	10	RATHERFORD	DESERT CREEK 42-24N	24-42	41S	23E	24	CSENE
4303715984	02	RATHERFORD	NAVAJO B 8	06-14	41S	24E	06	CSWSW
4303715985	02	RATHERFORD	NAVAJO B-12-7	07-12	41S	24E	07	SWSWNW
4303715986	02	RATHERFORD	NAVAJO B 1	07-14	41S	24E	07	N2SWSW
4303715989	02	RATHERFORD	NAVAJO B 5	07-34	41S	24E	07	NWSWSE
4303715991	02	RATHERFORD	NAVAJO B 12-8	08-12	41S	24E	08	SWNW
4303715992	02	RATHERFORD	NAVAJO 9B	08-14	41S	24E	08	NWSWSW
4303715993	02	RATHERFORD	NAVAJO B 21-8	08-21	41S	24E	08	NENW
4303715994	02	RATHERFORD	NAVAJO B 23-8	08-23	41S	24E	08	SENSW
4303715996	02	RATHERFORD	NAVAJO 34-8	08-34	41S	24E	08	CSWSE
4303716163	03	RATHERFORD	NAVAJO-Y 1	04-14	41S	24E	04	SWSWSW
4303716164	04	RATHERFORD	NAVAJO X 2	04-34	41S	24E	04	SWSE
4303716385	01	RATHERFORD	N DESERT CRK 34-1	01-34	41S	23E	01	SWSE
4303716394	02	RATHERFORD	6 NAVAJO-B 1	07-21	41S	24E	07	SWNENW
4303716398	08	RATHERFORD	NAVAJO-23 9	09-23	41S	24E	09	CNESW
4303716403	09	RATHERFORD	NAVAJO W 2	10-43	41S	24E	10	E2NESE
4303716404	01	RATHERFORD	N DESERT CRK 13-12	12-13	41S	23E	12	CNWSW
4303716407	10	RATHERFORD	RATHERFORD 44-13	13-44	41S	23E	13	SESE
4303716414	12	RATHERFORD	NAVAJO A 12	16-21	41S	24E	16	NENW
4303716415	12	RATHERFORD	NAVAJO A 8	16-43	41S	24E	16	NESE
4303716416	11	RATHERFORD	DESERT A 9	17-21	41S	24E	17	NENW
4303716417	11	RATHERFORD	DESERT A 20	17-43	41S	24E	17	CNESE
4303716418	11	RATHERFORD	DESERT A 3	18-21	41S	24E	18	W2NENW
4303716420	11	RATHERFORD	DESERT A 23	19-43	41S	24E	19	NESE
4303716423	11	RATHERFORD	DESERT A 31	20-21	41S	24E	20	NENW
4303716424	11	RATHERFORD	DESERT A 19	20-43	41S	24E	20	NWNESE
4303716425	12	RATHERFORD	NAVAJO A 20	21-21	41S	24E	21	E2NENW
4303716431	15	RATHERFORD	NAVAJO A 19	28-21	41S	24E	28	E2NENW
4303716432	14	RATHERFORD	NAVAJO B 4	29-21	41S	24E	29	NENW
4303716433	14	RATHERFORD	NAVAJO B 10	29-41	41S	24E	29	NENENE
4303716434	14	RATHERFORD	NAVAJO 13	29-43H	41S	24E	29	CNESE
4303730244	11	RATHERFORD	RATHERFORD UNIT 18-23	18-23	41S	24E	18	NENESW
4303730448	12	RATHERFORD	RATHERFORD UNIT 15-42	15-42	41S	24E	15	SWSENE
4303730449	12	RATHERFORD	RATHERFORD UNIT 15-22	15-22	41S	24E	15	SENE
4303730451	09	RATHERFORD	RATHERFORD UNIT 10-44	10-44	41S	24E	10	NESESE
4303730914	14	RATHERFORD	RATHERFORD 29-31	29-31	41S	24E	29	SWNWNNE
4303730915	11	RATHERFORD	RATHERFORD UNIT 20-44	20-44	41S	24E	20	SWSESE
4303730916	11	RATHERFORD	RATHERFORD 19-42	19-42	41S	24E	19	N2SENE
4303730917	11	RATHERFORD	RATHERFORD 20-13	20-13	41S	24E	20	NWNWSW
4303730918	11	RATHERFORD	RATHERFORD UNIT 20-24	20-24	41S	24E	20	NWSESW
4303730930	11	RATHERFORD	RATHERFORD UNIT 20-22	20-22H	41S	24E	20	SESENE
4303730931	11	RATHERFORD	RATHERFORD UNIT 20-33	20-33	41S	24E	20	SWNWSW
4303730932	14	RATHERFORD	RATHERFORD UNIT 29-33	29-33	41S	24E	29	SENESE
4303730937	14	RATHERFORD	RATHERFORD UNIT 29-42	29-42	41S	24E	29	N2SENE
4303731044	11	RATHERFORD	RATHERFORD UNIT 17-24	17-24	41S	24E	17	N2SESW
4303731045	11	RATHERFORD	RATHERFORD UNIT 18-44	18-44	41S	24E	18	CSESE
4303731046	11	RATHERFORD	RATHERFORD UNIT 19-22	19-22	41S	24E	19	N2SENE
4303731047	11	RATHERFORD	RATHERFORD UNIT 19-31	19-31	41S	24E	19	N2NWNNE
4303731048	11	RATHERFORD	RATHERFORD UNIT 19-33	19-33	41S	24E	19	CNWSW
4303731049	11	RATHERFORD	RATHERFORD UNIT 20-11	20-11	41S	24E	20	N2NWNW
4303731050	11	RATHERFORD	RATHERFORD UNIT 20-31	20-31	41S	24E	20	E2NWNNE
4303731051	11	RATHERFORD	RATHERFORD UNIT 20-42	20-42	41S	24E	20	CSENE
4303731053	14	RATHERFORD	RATHERFORD UNIT 29-11	29-11	41S	24E	29	SWNWNW
4303731079	11	RATHERFORD	RATHERFORD UNIT 18-24	18-24	41S	24E	18	N2SESW
4303731080	11	RATHERFORD	RATHERFORD UNIT 19-11	19-11	41S	24E	19	CNWNW
4303731081	11	RATHERFORD	RATHERFORD UNIT 19-44	19-44	41S	24E	19	CSESE
4303731082	14	RATHERFORD	RATHERFORD UNIT 29-22	29-22	41S	24E	29	SWSENE

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4303731126	01	RATHERFORD	RATHERFORD UNIT 12-34	12-34	41S	23E	12	NESWSE
4303731127	10	RATHERFORD	RATHERFORD UNIT 13-12	13-12	41S	23E	13	NWSWNW
4303731129	10	RATHERFORD	RATHERFORD UNIT 13-23	13-23	41S	23E	13	W2NESW
4303731130	10	RATHERFORD	RATHERFORD UNIT 13-34	13-34	41S	23E	13	CSWSE
4303731131	10	RATHERFORD	RATHERFORD UNIT 13-43	13-43	41S	23E	13	SWNESE
4303731132	10	RATHERFORD	RATHERFORD UNIT 24-41	24-41	41S	23E	24	W2NENE
4303731133	11	RATHERFORD	RATHERFORD UNIT 17-13	17-13	41S	24E	17	N2NWSW
4303731134	11	RATHERFORD	RATHERFORD UNIT 17-33	17-33	41S	24E	17	E2NWSE
4303731135	11	RATHERFORD	RATHERFORD UNIT 18-33	18-33	41S	24E	18	S2NWSE
4303731151	01	RATHERFORD	RATHERFORD UNIT 12-24	12-24	41S	23E	12	N2SESW
4303731152	10	RATHERFORD	RATHERFORD U 13-W-11	13-11	41S	23E	13	N2NWNW
4303731153	11	RATHERFORD	RATHERFORD UNIT 18-12	18-12	41S	24E	18	W2SWNW
4303731162	01	RATHERFORD	RATHERFORD UNIT 1-14	01-14	41S	23E	01	CSWSW
4303731163	02	RATHERFORD	RATHERFORD UNIT 7-11	07-11	41S	24E	07	E2NWNW
4303731164	02	RATHERFORD	RATHERFORD UNIT 7-13	07-13	41S	24E	07	NENWSW
4303731165	02	RATHERFORD	RATHERFORD UNIT 7-22	07-22	41S	24E	07	CSENW
4303731166	02	RATHERFORD	RATHERFORD UNIT 7-24	07-24	41S	24E	07	NESESW
4303731169	11	RATHERFORD	RATHERFORD UNIT 17-11	17-11	41S	24E	17	SENWNW
4303731170	11	RATHERFORD	RATHERFORD UNIT 17-22	17-22	41S	24E	17	NWSENW
4303731177	11	RATHERFORD	RATHERFORD UNIT 17-42	17-42	41S	24E	17	CSENE
4303731178	11	RATHERFORD	RATHERFORD UNIT 17-31	17-31	41S	24E	17	N2NWNE
4303731181	11	RATHERFORD	RATHERFORD UNIT 18-31	18-31	41S	24E	18	SWNWNE
4303731182	11	RATHERFORD	RATHERFORD UNIT 18-42	18-42	41S	24E	18	SWSENE
4303731189	02	RATHERFORD	RATHERFORD UNIT 7-44	07-44	41S	24E	07	NESESE
4303731190	01	RATHERFORD	RATHERFORD UNIT 12-12	12-12	41S	23E	12	N2SWNW
4303731201	01	RATHERFORD	RATHERFORD UNIT 12-21	12-21	41S	23E	12	CNENW
4303731202	01	RATHERFORD	RATHERFORD UNIT 12-43	12-43	41S	23E	12	N2NESE
4303731203	01	RATHERFORD	RATHERFORD UNIT 12-32	12-32	41S	23E	12	NESWNE
4303731236	11	RATHERFORD	RATHERFORD UNIT 18-22	18-22	41S	24E	18	SESENW
4303731543	01	RATHERFORD	RATHERFORD UNIT 12W-44A	12-44A	41S	23E	12	NWSESE
4303731544	01	RATHERFORD	RATHERFORD UNIT 11-41	11-41	41S	23E	11	SESENE
4303731589	10	RATHERFORD	RATHERFORD UNIT 13-14	13-14	41S	23E	13	CSWSW
4303731590	11	RATHERFORD	RATHERFORD UNIT 20-67	20-67	41S	24E	20	NWNESW
4303731591	11	RATHERFORD	RATHERFORD UNIT 20-68	20-68	41S	24E	20	SENWSW
4303731592	11	RATHERFORD	RATHERFORD UNIT 20-66	20-66	41S	24E	20	NESWNW
4303731593	10	RATHERFORD	RATHERFORD UNIT 24-32	24-32	41S	23E	24	SESWNE
4303731596	11	RATHERFORD	RATHERFORD UNIT 19-97	19-97	41S	24E	19	SESENE
4303731622	01	RATHERFORD	RATHERFORD UNIT 11-43	11-43	41S	23E	11	NESE
4303731623	10	RATHERFORD	RATHERFORD UNIT 14-41	14-41	41S	23E	14	NENE
4303731717	10	RATHERFORD	RATHERFORD UNIT 14-31	14-31	41S	23E	14	SENWNE
4303731718	11	RATHERFORD	RATHERFORD UNIT 18-43B	18-43B	41S	24E	18	NENESE
4303731719	11	RATHERFORD	RATHERFORD UNIT 19-13H	19-13H	41S	24E	19	CNWSW
4303731720	12	RATHERFORD	RATHERFORD UNIT 21-24	21-24	41S	24E	21	SESESW
4303731753	12	RATHERFORD	RATHERFORD 21-67	21-67	41S	24E	21	NESW
4303731754	11	RATHERFORD	RATHERFORD UNIT 19-24	19-24	41S	24E	19	SESW
4303731758	12	RATHERFORD	RATHERFORD 21-77	21-77	41S	24E	21	NWSE
4303731768	12	RATHERFORD	RATHERFORD UNIT 16-77	16-77	41S	24E	16	NESW
4303750025	02	RATHERFORD	RATHERFORD UNIT 08-32R	08-32R	41S	24E	08	SWNE
4303715620	18	RATHERFORD	NAVAJO-B 1	03-12	41S	24E	03	SWNW
4303715745	11	RATHERFORD	DESERT A 24	19-41	41S	24E	19	CNENE
4303715750	11	RATHERFORD	DESERT A 16	20-34	41S	24E	20	SWSE
4303715755	12	RATHERFORD	NAVAJO-A 22	21-32	41S	24E	21	SWNE
4303715756	12	RATHERFORD	NAVAJO-A 23	21-34	41S	24E	21	SWSE
4303715844	01	RATHERFORD	N DESERT CREEK 14-12	12-14	41S	23E	12	CSWSW
4303715854	10	RATHERFORD	DESERT CRK N 31-13	13-31	41S	23E	13	CNWNE
4303715983	02	RATHERFORD	NAVAJO B 34-5	05-34	41S	24E	05	SWSE
4303715990	02	RATHERFORD	NAVAJO B 41-7	07-41	41S	24E	07	NENE
4303715995	02	RATHERFORD	NAVAJO B 32-8	08-32	41S	24E	08	CSWNE
4303715997	02	RATHERFORD	NAVAJO 41-8B	08-41	41S	24E	08	CNENE
4303715998	13	RATHERFORD	NAVAJO-E 12-14	14-12	41S	24E	14	SWSWNW
4303716167	09	RATHERFORD	NAVAJO TRIBE W 3	11-14	41S	24E	11	SWSW

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4303716386	01	RATHERFORD	N DESERT CRK 44-2	02-44	41S	23E	02	SESE
4303716395	02	RATHERFORD	NAVAJO B 43-7	07-43	41S	24E	07	N2NESE
4303716396	02	RATHERFORD	NAVAJO 43-8 B	08-43B	41S	24E	08	CNESE
4303716400	07	RATHERFORD	NAVAJO B 5	09-43	41S	24E	09	CNESE
4303716401	07	RATHERFORD	NAVAJO B 6	10-21	41S	24E	10	NENW
4303716402	07	RATHERFORD	NAVAJO B 2	10-23	41S	24E	10	CNESW
4303716406	10	RATHERFORD	N DESERT CRK 32-13	13-32	41S	23E	13	SWNE
4303716411	12	RATHERFORD	NAVAJO-A 11	15-21	41S	24E	15	NENW
4303716412	12	RATHERFORD	NAVAJO A 19	15-23	41S	24E	15	NESW
4303716413	12	RATHERFORD	NAVAJO A 24	15-43	41S	24E	15	SWNESE
4303716435	14	RATHERFORD	NAVAJO B 16	30-21	41S	24E	30	NENW
4303730446	15	RATHERFORD	RATHERFORD UNIT 28-11	28-11	41S	24E	28	NWNWNW
4303731052	12	RATHERFORD	RATHERFORD UNIT 21-11	21-11	41S	24E	21	CNWNW
4303731128	10	RATHERFORD	RATHERFORD UNIT 13-21	13-21	41S	23E	13	W2NENW
4303731168	12	RATHERFORD	RATHERFORD UNIT 16-13	16-13	41S	24E	16	CNWSW

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261 ct wells  
314 ct R0003

API (10-digit)	Tract	UNIT	WELL NAME	WELL NUMBER	TWP	RNG	SEC	QTR-QTR
4303715493	06	MCELMO CREEK	NAVAJO TRACT 13 4	F-17	41S	24E	12	NW
4303715494	06	MCELMO CREEK	NAVAJO 13 5	G-18	41S	24E	12	CSENW
4303715495	06	MCELMO CREEK	NAVAJO 13-2	H-15	41S	24E	01	CNWSE
4303715496	06	MCELMO CREEK	NAVAJO-29 2	H-17	41S	24E	12	NWNE
4303715498	12	MCELMO CREEK	NAVAJO TRACT 114 6	J-17	41S	25E	07	SWNWNW
4303715499	12	MCELMO CREEK	NAVAJO TRACT 114 27	J-21	41S	25E	18	NWNWNW
4303715500	12	MCELMO CREEK	NAVAJO TRACT 114 30	J-23	41S	25E	18	NWSW
4303715501	16	MCELMO CREEK	NAVAJO 115 2	J-25	41S	25E	19	NWNW
4303715503	12	MCELMO CREEK	NAVAJO-114 24	K-20	41S	25E	07	W2SESW
4303715505	12	MCELMO CREEK	NAVAJO 114 21	L-19	41S	25E	07	NWSE
4303715506	12	MCELMO CREEK	NAVAJO 114 22	L-21	41S	25E	18	S2NWNE
4303715507	12	MCELMO CREEK	NAVAJO 114 29	L-23	41S	25E	18	CNWSE
4303715508	16	MCELMO CREEK	NAVAJO 115 6	L-25	41S	25E	19	CNWNNE
4303715510	12	MCELMO CREEK	NAVAJO 114 17	M-18	41S	25E	07	SENE
4303715511	12	MCELMO CREEK	NAVAJO 114 23	M-20	41S	25E	07	SESE
4303715512	12	MCELMO CREEK	NAVAJO 114 26	M-22	41S	25E	18	NESENE
4303715513	12	MCELMO CREEK	NAVAJO 114 31	M-24	41S	25E	18	SESE
4303715514	12	MCELMO CREEK	NAVAJO TRACT 114 1	N-17	41S	25E	08	SENWNW
4303715515	12	MCELMO CREEK	NAVAJO 114 2	N-19	41S	25E	08	SWNWSW
4303715516	12	MCELMO CREEK	NAVAJO 114 3	N-21	41S	25E	17	CNWNW
4303715517	12	MCELMO CREEK	NAVAJO 114 11	O-18	41S	25E	08	NWSENW
4303715518	12	MCELMO CREEK	NAVAJO 114 14	O-20	41S	25E	08	SESW
4303715519	12	MCELMO CREEK	NAVAJO 114 10	P-17	41S	25E	08	CNWNE
4303715520	12	MCELMO CREEK	NAVAJO 114 4	P-19	41S	25E	08	NWSE
4303715521	12	MCELMO CREEK	NAVAJO 114 13	Q-18	41S	25E	08	CSENE
4303715522	12	MCELMO CREEK	NAVAJO 114 12	Q-20	41S	25E	08	SWSESE
4303715617	18	MCELMO CREEK	NAVAJO B-2	F-11	40S	24E	36	NWSW
4303715618	18	MCELMO CREEK	NAVAJO-B 1	G-12	40S	24E	36	SESW
4303715619	17	MCELMO CREEK	NAVAJO-A 1	I-12	40S	24E	36	SESESE
4303715703	21	MCELMO CREEK	NAVAJO E 1	C-19	41S	24E	11	N2NESW
4303715706	07	MCELMO CREEK	NAVAJO-H 1	E-18	41S	24E	11	SENE
4303715707	09	MCELMO CREEK	NAVAJO-J- 1	F-20	41S	24E	12	SWSWSW
4303715708	11A	MCELMO CREEK	NAVAJO-F 1	H-20	41S	24E	12	SWSE
4303715709	10	MCELMO CREEK	NAVAJO C 1	I-18	41S	24E	12	NESENE
4303715710	11	MCELMO CREEK	NAVAJO C 2	I-20	41S	24E	12	NESESE
4303715947	14	MCELMO CREEK	NAVAJO E 12-13	F-22	41S	24E	13	NESWNW
4303715950	14	MCELMO CREEK	NAVAJO E 32-13	H-22	41S	24E	13	CSWNE
4303715951	14	MCELMO CREEK	NAVAJO E 34-13	H-24	41S	24E	13	SESWSE
4303715952	14	MCELMO CREEK	NAVAJO E 32-24	H-26	41S	24E	24	SWSWNE
4303715953	14	MCELMO CREEK	NAVAJO E 41-13	I-21	41S	24E	13	S2NENE
4303715954	03A	MCELMO CREEK	NAVAJO C-13-6	J-15	41S	25E	06	SWNWSW
4303715955	03A	MCELMO CREEK	NAVAJO-C 24-31	K-12	40S	25E	31	NWSESW
4303715956	03A	MCELMO CREEK	NAVAJO C 22-6	K-14	41S	25E	06	NWSENW
4303715957	03A	MCELMO CREEK	NAVAJO C 9	K-16	41S	25E	06	SESW
4303715959	03A	MCELMO CREEK	NAVAJO C 31-6	L-13	41S	25E	06	NWNE
4303715960	03A	MCELMO CREEK	NAVAJO C 33-6	L-15	41S	25E	06	SENWSE
4303715961	03A	MCELMO CREEK	NAVAJO-C 42-31	M-10	40S	25E	31	SENE
4303715962	03A	MCELMO CREEK	NAVAJO-C 1	M-12	40S	25E	31	SESESE
4303715963	03A	MCELMO CREEK	NAVAJO C 42-6	M-14	41S	25E	06	SWSENE
4303715964	03A	MCELMO CREEK	NAVAJO-C 11-32	N-09	40S	25E	32	NWNW
4303715965	03A	MCELMO CREEK	NAVAJO-C 13-32	N-11	40S	25E	32	NWNWSW
4303715966	03A	MCELMO CREEK	NAVAJO C 11-5	N-13	41S	25E	05	NWNW
4303715967	03C	MCELMO CREEK	MCELMO CREEK UNIT 0-10	O-10	40S	25E	32	SENW
4303715968	03A	MCELMO CREEK	NAVAJO-C 24-32	O-12	40S	25E	32	SESW
4303715969	03A	MCELMO CREEK	NAVAJO C 3	O-16	41S	25E	05	CSSEW
4303715970	12	MCELMO CREEK	MCELMO CREEK UNIT O-22A	O-22A	41S	25E	17	SENW
4303715971	03A	MCELMO CREEK	NAVAJO-C 33-32	P-11	40S	25E	32	NWSE
4303715972	03A	MCELMO CREEK	NAVAJO C 8	P-15	41S	25E	05	CNWSE
4303715973	03A	MCELMO CREEK	NAVAJO-C 42-32	Q-10	40S	25E	32	SENE
4303715975	03A	MCELMO CREEK	NAVAJO C 5	Q-16	41S	25E	05	SESE

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4303715976	13	MCELMO CREEK	NAVAJO J 1	R-17	41S	25E	09	SWNWNW
4303715978	13	MCELMO CREEK	NAVAJO J 22-9	S-18	41S	25E	09	NWSENW
4303715980	13	MCELMO CREEK	NAVAJO-J 22-16	S-22	41S	25E	16	CSENNW
4303715982	13	MCELMO CREEK	NAVAJO-J 42-9	U-18	41S	25E	09	SWSENE
4303716143	19	MCELMO CREEK	NAVAJO R 3	G-14	41S	24E	01	CSENNW
4303716144	05	MCELMO CREEK	NAVAJO-R 5	G-16	41S	24E	01	NWSESW
4303716145	05	MCELMO CREEK	NAVAJO R 1	I-14	41S	24E	01	CSENE
4303716146	02	MCELMO CREEK	NAVAJO F 13	O-08	40S	25E	29	SESW
4303716147	04	MCELMO CREEK	NAVAJO P 20	R-09	40S	25E	33	NWNW
4303716148	04	MCELMO CREEK	NAVAJO P 4	R-13	41S	25E	04	CNWNW
4303716149	04	MCELMO CREEK	NAVAJO P 1	R-15	41S	25E	04	NWNWSW
4303716150	04	MCELMO CREEK	NAVAJO P 9	S-12	40S	25E	33	SESESW
4303716151	04	MCELMO CREEK	NAVAJO P 3	S-14	41S	25E	04	SWSENW
4303716152	04	MCELMO CREEK	NAVAJO P 2	S-16	41S	25E	04	W2SESW
4303716155	04	MCELMO CREEK	NAVAJO-P 13	U-12	40S	25E	33	SESE
4303716156	04	MCELMO CREEK	NAVAJO P 8	U-14	41S	25E	04	CSENE
4303716157	04	MCELMO CREEK	NAVAJO P 7	U-16	41S	25E	04	SESE
4303716265	24	MCELMO CREEK	NAVAJO-C 1	C-14	41S	24E	02	SENNW
4303716267	25	MCELMO CREEK	NAVAJO-B 2	D-13	41S	24E	02	NWNE
4303716268	25	MCELMO CREEK	NAVAJO-B 1	E-14	41S	24E	02	SESENE
4303716338	22	MCELMO CREEK	NAVAJO D 2	A-17	41S	24E	10	NENE
4303716341	20	MCELMO CREEK	NAVAJO-C 2	D-15	41S	24E	02	NWSE
4303716342	08	MCELMO CREEK	NAVAJO-D 2	E-19	41S	24E	11	CNESE
4303716343	14	MCELMO CREEK	NAVAJO E 41-14	E-21	41S	24E	14	NENE
4303716344	14	MCELMO CREEK	NAVAJO 43-14	E-23	41S	24E	14	NESE
4303716345	19	MCELMO CREEK	NAVAJO-R 4	F-13	41S	24E	01	SWNWNW
4303716346	09	MCELMO CREEK	NAVAJO J 2	G-19	41S	24E	12	NESW
4303716348	14	MCELMO CREEK	NAVAJO E 23-13	G-23	41S	24E	13	NWNESW
4303716349	14	MCELMO CREEK	NAVAJO E 21-24	G-25	41S	24E	24	CNENW
4303716350	17	MCELMO CREEK	NAVAJO-A 2	H-11	40S	24E	36	NWSE
4303716351	05	MCELMO CREEK	NAVAJO-R 2	H-13	41S	24E	01	NWNWNE
4303716352	14	MCELMO CREEK	NAVAJO-E 43-13	I-23	41S	24E	13	CNESE
4303716353	14	MCELMO CREEK	NAVAJO E 3	I-25	41S	24E	24	NENE
4303716354	03A	MCELMO CREEK	NAVAJO-C 13-31	J-11	40S	25E	31	CNWSW
4303716355	03A	MCELMO CREEK	NAVAJO C 11-6	J-13	41S	25E	06	NWNWNW
4303716356	12	MCELMO CREEK	NAVAJO 114 20	J-19	41S	25E	07	NWSW
4303716357	12	MCELMO CREEK	NAVAJO 114 18	K-18	41S	25E	07	SENNW
4303716358	12	MCELMO CREEK	NAVAJO 114 25	K-24	41S	25E	18	SESW
4303716359	03A	MCELMO CREEK	NAVAJO C 31-31	L-09	40S	25E	31	CNWNW
4303716360	12	MCELMO CREEK	NAVAJO 9	L-17	41S	25E	07	NWNE
4303716361	03A	MCELMO CREEK	NAVAJO C 2	M-16	41S	25E	06	SESE
4303716362	02	MCELMO CREEK	NAVAJO F 3	N-07	40S	25E	29	NWSW
4303716363	03A	MCELMO CREEK	NAVAJO C 6	N-15	41S	25E	05	NENWSW
4303716365	03A	MCELMO CREEK	NAVAJO C 22-5	O-14	41S	25E	05	SENNW
4303716367	03A	MCELMO CREEK	NAVAJO-C 31-32	P-09	40S	25E	32	NWNE
4303716368	03A	MCELMO CREEK	NAVAJO C 31-5	P-13	41S	25E	05	NWNE
4303716369	12	MCELMO CREEK	NAVAJO 114 8	P-21	41S	25E	17	CNWNW
4303716373	13	MCELMO CREEK	NAVAJO 2	R-19	41S	25E	09	CNWSW
4303716374	13	MCELMO CREEK	NAVAJO-J 11-16	R-21	41S	25E	16	NWNW
4303716375	04	MCELMO CREEK	NAVAJO P 15	S-10	40S	25E	33	CSENNW
4303716377	01	MCELMO CREEK	NAVAJO 7	T-08	40S	25E	28	CSWSE
4303716378	04	MCELMO CREEK	NAVAJO P 6	T-13	41S	25E	04	NWNWNE
4303716379	04	MCELMO CREEK	NAVAJO P 5	T-15	41S	25E	04	NWSE
4303716380	13	MCELMO CREEK	NAVAJO 31-9	T-17	41S	25E	09	SENNW
4303716381	04	MCELMO CREEK	NAVAJO P 16	U-10	40S	25E	33	SENNW
4303716383	04	MCELMO CREEK	NAVAJO P 12	V-13	41S	25E	03	CNWNW
4303716384	04	MCELMO CREEK	NAVAJO P 10	V-15	41S	25E	03	W2NWSW
4303720184	07	MCELMO CREEK	MCELMO CREEK UNIT F-18	F-18	41S	24E	12	S2SWNW
4303720304	11A	MCELMO CREEK	MCELMO CREEK UNIT H-19	H-19	41S	24E	12	NWSE
4303730040	03A	MCELMO CREEK	MCELMO CREEK L-12	L-12	40S	25E	31	SESWSE
4303730074	04	MCELMO CREEK	MCELMO CREEK UNIT T-12	T-12	40S	25E	31	SENNW

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4303730080	04	MCELMO CREEK	MCELMO CREEK T-09A	T-09A	40S	25E	33	SWNWNE
4303730179	04	MCELMO CREEK	MCELMO CREEK UNIT R-11A	R-11A	40S	25E	33	NENWSW
4303730180	14	MCELMO CREEK	MCELMO CREEK UNIT I-24	I-24	41S	24E	13	E2SESE
4303730202	04	MCELMO CREEK	MCU R-14	R-14	41S	25E	04	SWSWNW
4303730255	19	MCELMO CREEK	MCU F-14	F-14	41S	24E	01	SESWNW
4303730256	07	MCELMO CREEK	MCU D-18	D-18	41S	24E	11	SWSWNE
4303730257	05	MCELMO CREEK	MCU I-13	I-13	41S	24E	01	NENENE
4303730267	12	MCELMO CREEK	MCELMO CREEK P-18	P-18	41S	25E	08	NESWNE
4303730269	12	MCELMO CREEK	MCELMO CREEK UNIT N-20	N-20	41S	25E	08	NESWSW
4303730270	12	MCELMO CREEK	MCELMO CREEK UNIT O-19	O-19	41S	25E	08	SENESE
4303730271	12	MCELMO CREEK	MCELMO CREEK UNIT Q-17	Q-17	41S	25E	08	SENESE
4303730272	04	MCELMO CREEK	MCELMO CREEK UNIT R-16	R-16	41S	25E	04	SWSWSW
4303730275	03A	MCELMO CREEK	MCELMO CREEK UNIT O-15	O-15	41S	25E	05	NENESW
4303730276	03A	MCELMO CREEK	MCELMO CREEK UNIT P-14	P-14	41S	25E	05	NESWNE
4303730277	03A	MCELMO CREEK	MCELMO CREEK UNIT N-16	N-16	41S	25E	05	NESWSW
4303730278	03B	MCELMO CREEK	MCELMO CREEK UNIT P-12	P-12	40S	25E	32	NWSWSE
4303730280	03A	MCELMO CREEK	MCELMO CREEK UNIT O-13	O-13	41S	25E	05	NENENW
4303730281	03A	MCELMO CREEK	MCELMO CREEK UNIT N-14	N-14	41S	25E	05	SESWNW
4303730282	03A	MCELMO CREEK	MCELMO CRK UNIT O-11	O-11	40S	25E	32	NWNESW
4303730283	03A	MCELMO CREEK	MCELMO CRK UNIT Q-11	Q-11	40S	25E	32	NWNESE
4303730284	03A	MCELMO CREEK	MCELMO CREEK UNIT P-10	P-10	40S	25E	32	SWNE
4303730286	12	MCELMO CREEK	MCU N-18	N-18	41S	25E	08	NESWNW
4303730287	03A	MCELMO CREEK	MCU P-16	P-16	41S	25E	05	NESWSE
4303730288	03A	MCELMO CREEK	MCU Q-13	Q-13	41S	25E	05	SWNENE
4303730289	12	MCELMO CREEK	MCELMO CREEK O-17	O-17	41S	25E	08	SWNENW
4303730290	03A	MCELMO CREEK	MCU MCELMO CREEK Q-15	Q-15	41S	25E	05	NENESE
4303730291	03A	MCELMO CREEK	MCELMO CREEK N-12	N-12	40S	25E	32	NESWSW
4303730302	12	MCELMO CREEK	MCU K-21	K-21	41S	25E	18	SWNENW
4303730303	12	MCELMO CREEK	MCU M-21	M-21	41S	25E	18	SENESE
4303730304	03A	MCELMO CREEK	MCU N-10	N-10	40S	25E	32	SWSWNW
4303730306	12	MCELMO CREEK	MCU J-20	J-20	41S	25E	07	NWSWSW
4303730307	12	MCELMO CREEK	MCU M-19	M-19	41S	25E	07	NWNESE
4303730313	12	MCELMO CREEK	MCU L-20	L-20	41S	25E	07	SESWSE
4303730314	12	MCELMO CREEK	MCU M-17	M-17	41S	25E	07	NWNENE
4303730315	03A	MCELMO CREEK	MCU M-15	M-15	41S	25E	06	SENESE
4303730318	12	MCELMO CREEK	MCELMO CREEK UNIT J-18	J-18	41S	25E	07	NESWNW
4303730319	12	MCELMO CREEK	MCELMO CREEK L-18	L-18	41S	25E	07	NESWNE
4303730320	03A	MCELMO CREEK	MCELMO CREEK UNIT M-13	M-13	41S	25E	06	SENESE
4303730321	03A	MCELMO CREEK	MCU J-14	J-14	41S	25E	06	NWSWNW
4303730323	03A	MCELMO CREEK	MCELMO CREEK L-14	L-14	41S	25E	06	NESWNE
4303730324	03A	MCELMO CREEK	MCU L-16	L-16	41S	25E	06	SESWSE
4303730326	03A	MCELMO CREEK	MCU K-15	K-15	41S	25E	06	SWNESW
4303730327	12	MCELMO CREEK	MCU K-19	K-19	41S	25E	07	NWNESW
4303730328	12	MCELMO CREEK	MCELMO CREEK K-17	K-17	41S	25E	07	SWNENW
4303730336	12	MCELMO CREEK	MCU K-23	K-23	41S	25E	18	SWNESW
4303730337	03A	MCELMO CREEK	MCU K-13	K-13	41S	25E	06	SENESE
4303730338	12	MCELMO CREEK	MCU M-23	M-23	41S	25E	18	SWNESE
4303730339	12	MCELMO CREEK	MCU L-24	L-24	41S	25E	18	SWSWSE
4303730341	12	MCELMO CREEK	MCU J-22	J-22	41S	25E	18	NWSWNW
4303730342	03A	MCELMO CREEK	MCU J-12	J-12	40S	25E	31	SWSWSW
4303730347	12	MCELMO CREEK	MCU L-22	L-22	41S	25E	18	NWNWSE
4303730354	03A	MCELMO CREEK	MCU M-11	M-11	40S	25E	31	NENESE
4303730355	02	MCELMO CREEK	MCU P-08	P-08	40S	25E	29	NWSWSE
4303730356	03A	MCELMO CREEK	MCU O-09	O-09	40S	25E	32	N2NENW
4303730358	17	MCELMO CREEK	MCU I-11	I-11	40S	24E	36	SENESE
4303730359	03A	MCELMO CREEK	MCU K-11	K-11	40S	25E	31	SWNESW
4303730360	17	MCELMO CREEK	MCU H-12	H-12	40S	24E	36	SWSWSE
4303730361	06	MCELMO CREEK	MCU I-15	I-15	41S	24E	01	SENESE
4303730362	05	MCELMO CREEK	MCU H-14	H-14	41S	24E	01	NWSWNE
4303730363	19	MCELMO CREEK	MCU G-13	G-13	41S	24E	01	NENENW
4303730364	10	MCELMO CREEK	MCU H-18	H-18	41S	24E	02	NESWNE

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4303730365	11	MCELMO CREEK	MCU I-19	I-19	41S	24E	12	NENESE
4303730366	06	MCELMO CREEK	MCU H-16	H-16	41S	24E	01	NESWSE
4303730367	06	MCELMO CREEK	MCU I-17	I-17	41S	24E	12	NENENE
4303730376	18	MCELMO CREEK	MCU G-11	G-11	40S	24E	36	SENESE
4303730378	06	MCELMO CREEK	MCU G-17	G-17	41S	24E	12	NWNENW
4303730379	24	MCELMO CREEK	MCU C-13	C-13	41S	24E	02	SENESE
4303730380	18	MCELMO CREEK	MCU F-12	F-12	40S	24E	36	SWSWSW
4303730381	05	MCELMO CREEK	MCU F-16	F-16	41S	24E	01	NWSWSW
4303730384	23	MCELMO CREEK	MCU C-15	C-15	41S	24E	02	SENESE
4303730385	21	MCELMO CREEK	MCU C-17	C-17	41S	24E	11	NENENW
4303730386	25	MCELMO CREEK	MCU D-14	D-14	41S	24E	02	NESWNE
4303730387	20	MCELMO CREEK	MCU D-16	D-16	41S	24E	02	SESWSE
4303730388	25	MCELMO CREEK	MCU E-13	E-13	41S	24E	02	SENESE
4303730389	20	MCELMO CREEK	MCU E-15	E-15	41S	24E	02	SENESE
4303730390	06	MCELMO CREEK	MCU E-17	E-17	41S	24E	11	NWNENE
4303730399	11A	MCELMO CREEK	MCELMO CREEK G-18B	G-18B	41S	24E	12	NWSWNE
4303730400	12	MCELMO CREEK	MCU K-22X	K-22X	41S	25E	18	SWNENW
4303730401	04	MCELMO CREEK	MCU T-12A	T-12A	40S	25E	33	SWSWSE
4303730414	03A	MCELMO CREEK	MCELMO CREEK J-15B	J-15B	41S	25E	06	NENWSW
4303730415	06	MCELMO CREEK	MCU H-17B	H-17B	41S	24E	01	SWSESE
4303730416	03A	MCELMO CREEK	MCU M-12B	M-12B	40S	25E	31	NESESE
4303730417	03A	MCELMO CREEK	MCU I-16B	I-16B	41S	25E	06	SWNWSW
4303730452	04	MCELMO CREEK	MCU S-11	S-11	40S	25E	33	NESW
4303730453	04	MCELMO CREEK	MCU S-13	S-13	41S	25E	04	SENESE
4303730454	01	MCELMO CREEK	MCU U-08	U-08	40S	25E	28	SESESE
4303730456	04	MCELMO CREEK	MCU U-13	U-13	41S	25E	04	SWNENE
4303730459	04	MCELMO CREEK	MCU T-14	T-14	41S	25E	04	NESWNE
4303730460	04	MCELMO CREEK	MCU T-10	T-10	40S	25E	33	NESWNE
4303730463	12	MCELMO CREEK	MCU Q-21	Q-21	41S	25E	17	SWNENE
4303730506	12	MCELMO CREEK	MCU P-22	P-22	41S	25E	17	SWSWNE
4303730632	04	MCELMO CREEK	MCELMO CREEK UNIT S-15	S-15	41S	25E	04	SWNESW
4303730633	04	MCELMO CREEK	MCELMO CREEK UT U-15	U-15	41S	25E	04	NWNENE
4303730651	04	MCELMO CREEK	MCELMO CREEK UNIT R-12	R-12	40S	25E	33	NWSWSW
4303730652	12	MCELMO CREEK	MCELMO CREEK UNIT Q-19	Q-19	41S	25E	08	SWNESE
4303730653	04	MCELMO CREEK	MCELMO CREEK UNIT V-14	V-14	41S	25E	03	SWSWNW
4303730654	04	MCELMO CREEK	MCELMO CREEK UNIT T-16	T-16	41S	25E	04	SWSWSE
4303730661	12	MCELMO CREEK	MCELMO CREEK UNIT N-22	N-22	41S	25E	17	NESWNW
4303730662	12	MCELMO CREEK	MCELMO CREEK UNIT O-21	O-21	41S	25E	17	SWNENW
4303730778	13	MCELMO CREEK	MCELMO CREEK R-18	R-18	41S	25E	09	NWSWNW
4303730779	13	MCELMO CREEK	MCELMO CREEK S-17	S-17	41S	25E	09	SWNENW
4303730780	13	MCELMO CREEK	MCELMO CREEK S-19	S-19	41S	25E	09	SENESE
4303730781	13	MCELMO CREEK	MCELMO CREEK T-18	T-18	41S	25E	09	NESWNE
4303730782	13	MCELMO CREEK	MCELMO CREEK U-17	U-17	41S	25E	09	NWNENE
4303730974	14	MCELMO CREEK	MCELMO CREEK UNIT G-21A	G-21A	41S	24E	13	SWNENW
4303731008	14	MCELMO CREEK	MCELMO CREEK G-24	G-24	41S	24E	13	SESESE
4303731011	03A	MCELMO CREEK	MCELMO CREEK J-16-A	J-16A	41S	25E	06	SWSWSW
4303731012	02	MCELMO CREEK	MCELMO CREEK N-08	N-08	40S	25E	29	NESWSW
4303731013	03A	MCELMO CREEK	MCELMO CREEK Q-09	Q-09	40S	25E	32	SENESE
4303731121	04	MCELMO CREEK	MCELMO CREEK UNIT R-10	R-10	40S	25E	33	SWSWNW
4303731122	04	MCELMO CREEK	MCELMO CREEK UNIT U-09	U-09	40S	25E	33	SENESE
4303731123	12	MCELMO CREEK	MCELMO CREEK UNIT O-23	O-23	41S	25E	17	NWNESW
4303731124	12	MCELMO CREEK	MCELMO CREEK UNIT Q-23	Q-23	41S	25E	17	SESESE
4303731149	05	MCELMO CREEK	MCELMO CREEK UNIT F-15A	F-15A	41S	24E	01	SWNWSW
4303731186	16	MCELMO CREEK	MCELMO CREEK K-25	K-25	41S	25E	19	NWNENW
4303731187	14	MCELMO CREEK	MCELMO CREEK I-22	I-22	41S	24E	13	NWSENE
4303731188	09	MCELMO CREEK	MCELMO CREEK G-20	G-20	41S	24E	12	SWSESE
4303731192	14	MCELMO CREEK	MCELMO CREEK H-21	H-21	41S	24E	13	SWNWNW
4303731193	14	MCELMO CREEK	MCELMO CREEK UNIT H-23	H-23	41S	24E	13	NENWSE
4303731204	14	MCELMO CREEK	MCELMO CREEK UNIT G-22	G-22	41S	24E	13	SENESE
4303731205	12	MCELMO CREEK	MCELMO CREEK J-24	J-24	41S	25E	18	NWSWSW
4303731439	12	MCELMO CREEK	MCELMO CREEK UNIT P-23A	P-23A	41S	25E	17	SWNENW

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4303715330	01	MCELMO CREEK	INDIAN 2	S-05	40S	25E	28	CNENW
4303715331	01	MCELMO CREEK	NAVAJO 3	S-07	40S	25E	28	CNESW
4303715523	12	MCELMO CREEK	NAVAJO 114 15	Q-22	41S	25E	17	CSENE
4303715616	20	MCELMO CREEK	NAVAJO-C 1	E-16	41S	24E	02	SESE
4303715702	21	MCELMO CREEK	NAVAJO E 2	C-18	41S	24E	11	SENW
4303715704	07	MCELMO CREEK	NAVAJO-H 2	D-17	41S	24E	11	E2NWNW
4303715958	03A	MCELMO CREEK	NAVAJO 33-31-C	L-11	40S	25E	31	NWSE
4303715974	03A	MCELMO CREEK	NAVAJO-C 42-5	Q-14	41S	25E	05	E2SENE
4303716364	12	MCELMO CREEK	NAVAJO 14 7	N-23	41S	25E	17	N2NWSW
4303716366	02	MCELMO CREEK	NAVAJO TRIBE-F 18	P-07	40S	25E	29	NWSE
4303716515	12	MCELMO CREEK	NAVAJO-114 32	O-24	41S	25E	17	SESW
4303730353	02	MCELMO CREEK	MCU O-07	O-07	40S	25E	29	NENESW
4303730383	24	MCELMO CREEK	MCU B-14	B-14	41S	24E	02	SWSWNW
4303730455	04	MCELMO CREEK	MCU U-11	U-11	40S	25E	33	SENESE
4303730457	04	MCELMO CREEK	MCU S-08	S-08	40S	25E	33	NESENW
4303730462	13	MCELMO CREEK	M C U R-20	R-20	41S	25E	09	NWSWSW
4303730505	12	MCELMO CREEK	MCU P-20	P-20	41S	25E	08	NESWSE
4303731677	03A	MCELMO CREEK	MCELMO CREEK UNIT Q-12A	Q-12A	40S	25E	32	SWSESE

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354 ct wells -  
358 RBAMS

API (10-digit)	Tract	UNIT	WELL NAME	WELL NUMBER	TWP	RNG	SEC	QTR-QTR
4303715083	15A	ANETH	NAVAJO FEDERAL 3 1	F-418	40S	24E	18	SESW
4303715412	08	ANETH	WEST-ISMAY-FEDERAL 3	E-307	40S	24E	07	CNWSW
4303715413	08	ANETH	WEST ISMAY-FED 1	E-118	40S	24E	18	CNWNW
4303715415	08	ANETH	W ISMAY-FEDERAL 2	F-407	40S	24E	07	CSESW
4303715485	30	ANETH	NAVAJO 4	E-136	40S	24E	36	CNWNW
4303715486	31	ANETH	NAVAJO 2-A	G-136	40S	24E	36	NWNE
4303715701	35B	ANETH	FEDERAL B 1	D-124	40S	23E	24	NENE
4303715821	05	ANETH	BURTON 12-13	A-213	40S	23E	13	SWSWNW
4303715822	05	ANETH	BURTON 14-12	A-412	40S	23E	12	SESWSW
4303715823	05	ANETH	BURTON 14-13	A-413	40S	23E	13	SWSW
4303715824	05	ANETH	BURTON 21-13	B-113	40S	23E	13	NENW
4303715825	05	ANETH	BURTON 22-13	B-213	40S	23E	13	CSENW
4303715826	05	ANETH	BURTON 23-13	B-313	40S	23E	13	NESW
4303715827	05	ANETH	BURTON 31-13	C-113	40S	23E	13	NWNE
4303715828	05	ANETH	BURTON 33-13	C-313	40S	23E	13	NWSE
4303715829	05	ANETH	BURTON 34-12	C-412	40S	23E	12	N2SWSE
4303715830	05	ANETH	BURTON 42-13	D-213	40S	23E	13	SENE
4303715831	05	ANETH	BURTON 43-12	D-312	40S	23E	12	NESE
4303715832	25	ANETH	STATE 3 11-16	E-116	40S	24E	16	NWNWNW
4303715833	25	ANETH	STATE-3 12-16	E-216	40S	24E	16	SESWNW
4303715834	25	ANETH	STATE 3 14-16	E-416	40S	24E	16	SESWSW
4303715835	25	ANETH	STATE 32-16	G-216	40S	24E	16	SWNE
4303715836	25	ANETH	STATE 3 34-16	G-416	40S	24E	16	CSWSE
4303715837	25	ANETH	STATE 3 43-16	H-316	40S	24E	16	CNESE
4303715938	27	ANETH	NAVAJO A 13	E-213	40S	24E	13	CSWNW
4303715939	27	ANETH	NAVAJO A 6	E-214	40S	24E	14	NWSWNW
4303715940	27	ANETH	NAVAJO-A 14-11	E-411	40S	24E	11	SESWSW
4303715941	27	ANETH	NAVAJO A 4	E-413	40S	24E	13	CSWSW
4303715942	27	ANETH	NAVAJO A 5	F-314	40S	24E	14	CNESW
4303715944	27	ANETH	NAVAJO-A 10	G-411	40S	24E	11	SWSE
4303715945	27	ANETH	NAVAJO A 34-14	G-414	40S	24E	14	CSWSE
4303715946	33	ANETH	NAVAJO C 11-31	J-131	40S	25E	31	W2NWNW
4303716030	02	ANETH	ARROWHEAD 7	A-214	40S	23E	14	SWNW
4303716032	02	ANETH	ARROWHEAD 6	B-114	40S	23E	14	CNENW
4303716033	02	ANETH	ARROWHEAD 3	C-214	40S	23E	14	SWNE
4303716035	02	ANETH	ARROWHEAD 5	C-414	40S	23E	14	NWSWSE
4303716036	03	ANETH	RICE 1	D-123	40S	23E	23	NWNENE
4303716038	02	ANETH	ARROWHEAD 4	D-314	40S	23E	14	CNESE
4303716049	16	ANETH	NAVAJO G 9	E-117	40S	24E	17	NWNWNW
4303716050	18	ANETH	NAVAJO D 10	E-120	40S	24E	20	CNWNW
4303716051	18	ANETH	NAVAJO D 4	E-121	40S	24E	21	NWNW
4303716052	28	ANETH	NAVAJO 2	E-123	40S	24E	23	CNWNW
4303716054	28	ANETH	NAVAJO C 29	E-126	40S	24E	26	SWNWNW
4303716055	23	ANETH	NAVAJO S 2	E-129	40S	24E	29	CNWNW
4303716057	21	ANETH	NAVAJO E 18	E-209	40S	24E	09	SWNW
4303716058	21	ANETH	NAVAJO E 2	E-215	40S	24E	15	SWSWNW
4303716059	18	ANETH	NAVAJO D 9	E-222	40S	24E	22	SWNW
4303716063	14B	ANETH	NAVAJO FED UNIT 4 1	E-318	40S	24E	18	CNWSW
4303716065	18	ANETH	NAVAJO D 17	E-320	40S	24E	20	NENWSW
4303716066	18	ANETH	NAVAJO D 14	E-321	40S	24E	21	NWSW
4303716067	18	ANETH	NAVAJO D 19	E-322	40S	24E	22	CNWSW
4303716068	28	ANETH	NAVAJO C 12	E-323	40S	24E	23	W2NWSW
4303716069	28	ANETH	NAVAJO C 10	E-324	40S	24E	24	CNWSW
4303716070	28	ANETH	NAVAJO C 21	E-325	40S	24E	25	CNWSW
4303716071	28	ANETH	NAVAJO C 30	E-326	40S	24E	26	CNWSW
4303716072	29	ANETH	NAVAJO Q 2	E-335	40S	24E	35	SENWSW
4303716073	21	ANETH	NAVAJO E 6	E-415	40S	24E	15	CSWSW
4303716074	21	ANETH	NAVAJO E 12	F-115	40S	24E	15	SENENW
4303716075	18	ANETH	NAVAJO D 11	F-122	40S	24E	22	CNENW
4303716076	20A	ANETH	NAVAJO-FEDERAL-UNIT 1	F-208	40S	24E	08	SENW
4303716077	18	ANETH	NAVAJO D 26	F-219	40S	24E	19	NESENW
4303716078	18	ANETH	NAVAJO D 6	F-221	40S	24E	21	CSENW
4303716079	28	ANETH	NAVAJO C 7	F-223	40S	24E	23	SENW
4303716080	28	ANETH	NAVAJO C 20	F-225	40S	24E	25	SSENW

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4303716081	18	ANETH	NAVAJO-D 29	F-319	40S	24E	19	NESW
4303716082	21	ANETH	NAVAJO E 4	F-409	40S	24E	09	CSESW
4303716084	18	ANETH	NAVAJO D 21	F-421	40S	24E	21	SESESW
4303716085	18	ANETH	NAVAJO D 23	F-422	40S	24E	22	SESW
4303716086	28	ANETH	NAVAJO C 17	F-423	40S	24E	23	NWSESW
4303716087	28	ANETH	NAVAJO C 13	F-424	40S	24E	24	SESW
4303716088	21	ANETH	NAVAJO E 9	G-115	40S	24E	15	CNWNE
4303716089	16	ANETH	NAVAJO G 3	G-117	40S	24E	17	CNWNE
4303716090	13A	ANETH	NAVAJO FEDERAL 2 1	G-118	40S	24E	18	NENE
4303716091	18	ANETH	NAVAJO D 16	G-119	40S	24E	19	NWNE
4303716092	22	ANETH	NAVAJO L 5	G-120	40S	24E	20	NWNE
4303716095	28	ANETH	NAVAJO C 6	G-125	40S	24E	25	NWNE
4303716097	23	ANETH	NAVAJO S 1	G-129	40S	24E	29	NENWNE
4303716099	18	ANETH	NAVAJO D 1	G-222	40S	24E	22	NWSWNE
4303716101	22	ANETH	NAVAJO ALLOTTEES L 6	G-308	40S	24E	08	SENWSE
4303716102	21	ANETH	NAVAJO E 3	G-309	40S	24E	09	CNWSE
4303716103	16	ANETH	NAVAJO G-X 1	G-317	40S	24E	17	SENWSE
4303716104	16	ANETH	NAVAJO G 4	G-318	40S	24E	18	N2NWSE
4303716105	18	ANETH	NAVAJO D 12	G-320	40S	24E	20	CNWSE
4303716111	28	ANETH	NAVAJO C 15	G-324	40S	24E	24	CNWSE
4303716113	28	ANETH	NAVAJO C 27	G-326	40S	24E	26	CNWSE
4303716114	24	ANETH	NAVAJO A 1	G-329	40S	24E	29	NWSE
4303716115	29	ANETH	NAVAJO Q 6	G-335	40S	24E	35	NWSE
4303716116	21	ANETH	ANETH UNIT G-415	G-415	40S	24E	15	SWSE
4303716117	18	ANETH	NAV IND TRIB LNDS D 2	H-122	40S	24E	22	CNENE
4303716119	21	ANETH	NAVAJO E 16	H-208	40S	24E	08	S2SENE
4303716120	16	ANETH	NAVAJO G 5	H-218	40S	24E	18	CSENE
4303716121	18	ANETH	NAVAJO D 3	H-219	40S	24E	19	NESENE
4303716122	18	ANETH	NAVAJO INDIAN LANDS 7	H-221	40S	24E	21	NE
4303716123	28	ANETH	NAVAJO C 8	H-223	40S	24E	23	NWSENE
4303716124	28	ANETH	NAVAJO C 11	H-225	40S	24E	25	CSENE
4303716126	21	ANETH	NAVAJO E 1	H-415	40S	24E	15	NWSESE
4303716128	28	ANETH	NAVAJO C 3	H-423	40S	24E	23	NESESE
4303716129	28	ANETH	NAVAJO C 24	H-425	40S	24E	25	CSESE
4303716130	29	ANETH	NAVAJO Q 7	H-435	40S	24E	35	SWSESE
4303716132	32	ANETH	NAVAJO 9-F	J-130	40S	25E	30	NWNW
4303716134	32	ANETH	NAVAJO 5-F	J-330	40S	25E	30	NENWSW
4303716135	32	ANETH	NAVAJO F 2	K-230	40S	25E	30	SESENW
4303716137	32	ANETH	NAVAJO 7-F	K-430	40S	25E	30	SESW
4303716138	32	ANETH	NAVAJO 12-F	L-130	40S	25E	30	SENWNE
4303716139	32	ANETH	NAVAJO 6-F	L-330	40S	25E	30	NWSE
4303716140	32	ANETH	ANETH UNIT L-419	L-419	40S	25E	19	SWSE
4303716141	32	ANETH	NAVAJO 10-F	M-230	40S	25E	30	N2SENE
4303716222	26	ANETH	ANETH A-1 28	E-128	40S	24E	28	CNWNW
4303716224	26	ANETH	ANETH C-1 28	G-128	40S	24E	28	CNWNE
4303716225	26	ANETH	ANETH 34-C-1	G-134	40S	24E	34	NWNWNE
4303716226	26	ANETH	ANETH UNIT A-27-C-3	G-327	40S	24E	27	NWSE
4303716227	26	ANETH	ANETH 34-C-3	G-334	40S	24E	34	W2NWSE
4303716229	26	ANETH	ANETH 33-D4	H-433	40S	24E	33	NESESE
4303716270	06	ANETH	FEDERAL A 1	A-124	40S	23E	24	NWNW
4303716271	03	ANETH	RICE 2	B-123	40S	23E	23	NENW
4303716272	05	ANETH	BURTON 23-12	B-312	40S	23E	12	NESW
4303716273	02	ANETH	ARROWHEAD 2	B-314	40S	23E	14	NENESW
4303716277	02	ANETH	ARROWHEAD 1	D-114	40S	23E	14	NENE
4303716278	05	ANETH	ANETH D-212	D-212	40S	23E	12	NESENE
4303716279	05	ANETH	BURTON 44-13	D-413	40S	23E	13	SESE
4303716280	17B	ANETH	NAVAJO FED B 1	E-119	40S	24E	19	NWNW
4303716285	25	ANETH	STATE 3 21-16	F-116	40S	24E	16	CNENW
4303716286	16	ANETH	NAVAJO G 8	F-217	40S	24E	17	SENW
4303716287	12A	ANETH	NAVAJO-FED UNIT 1	F-218	40S	24E	18	NESENW
4303716288	18	ANETH	NAVAJO D 8	F-220	40S	24E	20	CSENW
4303716289	28	ANETH	NAVAJO 16	F-224	40S	24E	24	CSENW
4303716290	28	ANETH	NAVAJO C 23	F-226	40S	24E	26	SENW
4303716292	23	ANETH	NAVAJO S 4	F-229	40S	24E	29	SENW
4303716293	29	ANETH	NAVAJO Q 5	F-235	40S	24E	35	SENW

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4303716294	30	ANETH	NAVAJO 3	F-236	40S	24E	36	CSENW
4303716296	21	ANETH	NAVAJO E 8	F-315	40S	24E	15	SENESE
4303716297	25	ANETH	STATE B 23-16	F-316	40S	24E	16	NENESW
4303716298	21	ANETH	NAVAJO E 13	F-408	40S	24E	08	CSESW
4303716299	16	ANETH	NAVAJO G 6	F-417	40S	24E	17	SESW
4303716300	18	ANETH	NAVAJO D 20	F-420	40S	24E	20	CSESW
4303716301	28	ANETH	NAVAJO C 32	F-425	40S	24E	25	SESW
4303716306	28	ANETH	NAV IND TRIB LND C 1	G-123	40S	24E	23	CNWNE
4303716307	26	ANETH	ANETH 27-C-1	G-127	40S	24E	27	CNWNE
4303716309	18	ANETH	NAVAJO D 25	G-319	40S	24E	19	SWNWSE
4303716310	27	ANETH	NAVAJO A 9	H-114	40S	24E	14	NENE
4303716312	25	ANETH	STATE 3 42-16	H-216	40S	24E	16	SENE
4303716313	22	ANETH	NAVAJO L 4	H-217	40S	24E	17	SWSENE
4303716314	22	ANETH	NAVAJO L 2	H-220	40S	24E	20	SENE
4303716316	28	ANETH	NAVAJO C 19	H-226	40S	24E	26	SENE
4303716317	26	ANETH	ANETH D-2 27	H-227	40S	24E	27	E2SENE
4303716318	23	ANETH	NAVAJO S 3	H-229	40S	24E	29	SENE
4303716319	26	ANETH	ANETH 34-D-2	H-234	40S	24E	34	CSENE
4303716320	29	ANETH	NAVAJO Q 4	H-235	40S	24E	35	SWSENE
4303716322	11A	ANETH	NAVAJO-FEDERAL 5 1	H-407	40S	24E	07	SESE
4303716323	22	ANETH	NAVAJO L 3	H-408	40S	24E	08	SESE
4303716324	21	ANETH	NAVAJO E 10	H-409	40S	24E	09	CSESE
4303716326	22	ANETH	NAVAJO L 1	H-417	40S	24E	17	SESE
4303716327	16	ANETH	NAVAJO G 2	H-418	40S	24E	18	CSESE
4303716329	18	ANETH	NAVAJO D 13	H-420	40S	24E	20	CSESE
4303716330	18	ANETH	NAVAJO D 24	H-421	40S	24E	21	SESE
4303716331	28	ANETH	NAVAJO C 28	H-424	40S	24E	24	SESE
4303716332	28	ANETH	NAVAJO C 31	H-426	40S	24E	26	SESE
4303716333	26	ANETH	INDIAN 27-D-4	H-427	40S	24E	27	CSESE
4303716335	33	ANETH	NAVAJO C 22-31	K-231	40S	25E	31	SESENW
4303716337	32	ANETH	NAVAJO 11-F	M-430	40S	25E	30	SESE
4303716421	27	ANETH	NAVAJO 14-14	E-414	40S	24E	14	NWSWSW
4303716422	27	ANETH	NAVAJO A 8	F-114	40S	24E	14	SWNENW
4303720230	25	ANETH	ANETH UNIT H-416	H-416	40S	24E	16	SESE
4303720231	18	ANETH	ANETH UNIT G-322X	G-322X	40S	24E	22	NWSE
4303730049	05	ANETH	UNIT D-412	D-412	40S	23E	12	SESESE
4303730066	21	ANETH	ANETH UNIT G-215	G-215	40S	24E	15	SESWNE
4303730093	27	ANETH	ANETH UNIT E-114	E-114	40S	24E	14	NWNWNW
4303730094	25	ANETH	ANETH UNIT E-316	E-316	40S	24E	16	NWNWSW
4303730095	18	ANETH	ANETH UNIT G-321X	G-321X	40S	24E	21	SESWSE
4303730107	25	ANETH	ANETH UNIT G-316	G-316	40S	24E	16	NENWSE
4303730112	05	ANETH	ANETH UNIT C-312	C-312	40S	23E	12	SESWSE
4303730115	08	ANETH	ANETH UNIT F-307	F-307	40S	24E	07	NWNESW
4303730117	18	ANETH	ANETH UNIT F-121	F-121	40S	24E	21	NENENW
4303730119	05	ANETH	ANETH UNIT A-113	A-113	40S	23E	13	SWNWNW
4303730122	11A	ANETH	ANETH UNIT H-307	H-307	40S	24E	07	NWNESE
4303730123	27	ANETH	ANETH UNIT H-414	H-414	40S	24E	14	SESESE
4303730131	13A	ANETH	ANETH UNIT G-218	G-218	40S	24E	18	NWSWNE
4303730132	16	ANETH	ANETH UNIT G-418	G-418	40S	24E	18	NESWSE
4303730133	18	ANETH	ANETH UNIT H-119	H-119	40S	24E	19	SENESE
4303730134	16	ANETH	ANETH UNIT E-417	E-417	40S	24E	17	NWSWSW
4303730135	18	ANETH	ANETH UNIT F-120	F-120	40S	24E	20	S2NENW
4303730136	16	ANETH	ANETH UNIT H-318	H-318	40S	24E	18	E2NESE
4303730137	08	ANETH	ANETH UNIT E-218	E-218	40S	24E	18	N2SWNW
4303730139	16	ANETH	ANETH UNIT F-317	F-317	40S	24E	17	E2NESW
4303730142	16	ANETH	ANETH UNIT E-217	E-217	40S	24E	17	W2SWNW
4303730144	16	ANETH	ANETH UNIT G-417	G-417	40S	24E	17	CSWSE
4303730150	18	ANETH	ANETH UNIT E-220	E-220	40S	24E	20	NWSWNW
4303730151	10A	ANETH	ANETH UNIT G-407	G-407	40S	24E	07	SESWSE
4303730152	22	ANETH	ANETH UNIT G-408	G-408	40S	24E	08	NWSWSE
4303730153	22	ANETH	ANETH UNIT H-117	H-117	40S	24E	17	SWNENE
4303730154	18	ANETH	ANETH UNIT H-320	H-320	40S	24E	20	NENESE
4303730155	12B	ANETH	ANETH UNIT F-118	F-118	40S	24E	18	NENENW
4303730156	22	ANETH	ANETH UNIT G-220	G-220	40S	24E	20	NWSWNE
4303730157	16	ANETH	ANETH UNIT H-118	H-118	40S	24E	18	NENENW

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4303730159	21	ANETH	ANETH UNIT E-408	E-408	40S	24E	08	SWSWSW
4303730160	16	ANETH	ANETH UNIT F-117	F-117	40S	24E	17	NWNENW
4303730162	05	ANETH	ANETH UNIT D-313	D-313	40S	23E	13	NWNESE
4303730164	18	ANETH	ANETH UNIT F-320	F-320	40S	24E	20	NWNESW
4303730165	14B	ANETH	ANETH UNIT E-418	E-418	40S	24E	18	NWSWSW
4303730166	16	ANETH	ANETH UNIT G-217	G-217	40S	24E	17	SESWNE
4303730167	18	ANETH	ANETH UNIT G-219	G-219	40S	24E	19	SESWNE
4303730168	18	ANETH	ANETH UNIT H-319	H-319	40S	24E	19	NESESE
4303730169	15A	ANETH	ANETH UNIT F-318	F-318	40S	24E	18	SWNESW
4303730173	05	ANETH	ANETH UNIT C-213	C-213	40S	23E	13	NESWNE
4303730174	05	ANETH	ANETH UNIT D-113	D-113	40S	23E	13	NENENE
4303730175	08	ANETH	ANETH UNIT E-407	E-407	40S	24E	07	SWSWSW
4303730176	21	ANETH	ANETH UNIT F-308	F-308	40S	24E	08	S2NESW
4303730177	22	ANETH	ANETH UNIT H-308	H-308	40S	24E	08	S2NESE
4303730178	21	ANETH	ANETH UNIT G-208	G-208	40S	24E	08	NESWNE
4303730181	18	ANETH	ANETH UNIT E-221	E-221	40S	24E	21	NWSWNW
4303730183	18	ANETH	ANETH UNIT H-121	H-121	40S	24E	21	NENE
4303730185	18	ANETH	ANETH UNIT F-321	F-321	40S	24E	21	W2NESW
4303730187	23	ANETH	ANETH UNIT F-129	F-129	40S	24E	29	NWNENW
4303730188	18	ANETH	ANETH UNIT E-421	E-421	40S	24E	21	CSWSW
4303730189	21	ANETH	ANETH UNIT E-409	E-409	40S	24E	09	CSWSW
4303730196	22	ANETH	ANETH UNIT H-317	H-317	40S	24E	17	NWNESE
4303730197	18	ANETH	ANETH UNIT F-119	F-119	40S	24E	19	NWNENW
4303730200	27	ANETH	ANETH UNIT E-313	E-313	40S	24E	13	SENWSW
4303730212	25	ANETH	ANETH UNIT F-216	F-216	40S	24E	16	NESENW
4303730213	21	ANETH	ANETH UNIT E-315	E-315	40S	24E	15	NWNWSW
4303730214	18	ANETH	ANETH UNIT G-421	G-421	40S	24E	21	SWSE
4303730215	18	ANETH	ANETH UNIT E-122	E-122	40S	24E	22	NWNW
4303730216	18	ANETH	ANETH UNIT H-321	H-321	40S	24E	21	NESESE
4303730217	27	ANETH	ANETH UNIT F-411	F-411	40S	24E	11	SWSESW
4303730218	27	ANETH	ANETH UNIT G-114	G-114	40S	24E	14	NWNE
4303730219	28	ANETH	ANETH UNIT E-223	E-223	40S	24E	23	S2SWNW
4303730220	28	ANETH	ANETH UNIT E-426	E-426	40S	24E	26	CSWSW
4303730221	28	ANETH	ANETH UNIT F-125	F-125	40S	24E	25	N2NENW
4303730222	28	ANETH	ANETH UNIT G-225	G-225	40S	24E	25	NWNESWNE
4303730223	28	ANETH	ANETH UNIT H-123	H-123	40S	24E	23	CNENE
4303730224	32	ANETH	ANETH UNIT K-330	K-330	40S	25E	30	NENESW
4303730225	32	ANETH	ANETH UNIT M-330	M-330	40S	25E	30	NWNESE
4303730226	28	ANETH	ANETH UNIT G-223	G-223	40S	24E	23	SESWNE
4303730227	31	ANETH	ANETH UNIT H-136	H-136	40S	24E	36	E2NENE
4303730228	18	ANETH	ANETH UNIT G-420	G-420	40S	24E	20	NESWSE
4303730230	27	ANETH	ANETH UNIT G-314	G-314	40S	24E	14	SWNWSE
4303730231	28	ANETH	ANETH UNIT E-224	E-224	40S	24E	24	N2SWNW
4303730232	28	ANETH	ANETH UNIT F-326	F-326	40S	24E	26	SWNESW
4303730233	28	ANETH	ANETH UNIT E-225	E-225	40S	24E	25	SESWNW
4303730234	28	ANETH	ANETH UNIT F-323	F-323	40S	24E	23	NESW
4303730235	28	ANETH	ANETH UNIT F-123	F-123	40S	24E	23	NENW
4303730237	28	ANETH	ANETH UNIT F-325	F-325	40S	24E	25	SWNESW
4303730239	28	ANETH	ANETH UNIT H-325	H-325	40S	24E	25	NESE
4303730240	32	ANETH	ANETH UNIT J-230	J-230	40S	25E	30	CSWNW
4303730241	32	ANETH	ANETH UNIT L-230	L-230	40S	25E	30	NESWNE
4303730242	18	ANETH	ANETH UNIT H-222	H-222	40S	24E	22	SWSENE
4303730243	32	ANETH	ANETH UNIT J-430	J-430	40S	25E	30	CSWSW
4303730250	27	ANETH	ANETH UNIT F-214	F-214	40S	24E	14	SWSENW
4303730266	27	ANETH	ANETH UNIT E-314	E-314	40S	24E	14	NWSW
4303730274	27	ANETH	ANETH UNIT F-414	F-414	40S	24E	14	SWSESW
4303730297	05	ANETH	ANETH UNIT B-413	B-413	40S	23E	13	CSESW
4303730298	05	ANETH	ANETH UNIT C-413	C-413	40S	23E	13	SWSE
4303730299	05	ANETH	ANETH UNIT A-313	A-313	40S	23E	13	SWNWSW
4303730308	28	ANETH	ANETH UNIT H-125	H-125	40S	24E	25	NENE
4303730310	28	ANETH	ANETH UNIT F-126	F-126	40S	24E	26	NWNENW
4303730311	28	ANETH	ANETH UNIT G-423	G-423	40S	24E	23	CSWSE
4303730312	21	ANETH	ANETH UNIT H-315	H-315	40S	24E	15	CNESE
4303730316	28	ANETH	ANETH UNIT H-323	H-323	40S	24E	23	SESESE
4303730334	28	ANETH	ANETH UNIT G-424	G-424	40S	24E	24	CSWSE

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4303730335	18	ANETH	ANETH UNIT G-121X	G-121X	40S	24E	21	SENWNE
4303730343	28	ANETH	ANETH UNIT E-425	E-425	40S	24E	25	NESWSW
4303730344	25	ANETH	ANETH UNIT G-116	G-116	40S	24E	16	CNWNW
4303730345	18	ANETH	ANETH UNIT F-322	F-322	40S	24E	22	N2NESW
4303730346	18	ANETH	ANETH UNIT E-422	E-422	40S	24E	22	NWSWSW
4303730348	28	ANETH	ANETH UNIT H-126	H-126	40S	24E	26	W2NENE
4303730349	28	ANETH	ANETH UNIT F-324	F-324	40S	24E	24	E2NESW
4303730350	28	ANETH	ANETH UNIT E-424	E-424	40S	24E	24	SWSWSW
4303730368	28	ANETH	ANETH UNIT H-326	H-326	40S	24E	26	SENESE
4303730370	28	ANETH	ANETH UNIT E-423	E-423	40S	24E	23	SWSWSW
4303730372	28	ANETH	ANETH UNIT G-126X	G-126X	40S	24E	26	SENWNE
4303730373	18	ANETH	ANETH UNIT F-222	F-222	40S	24E	22	N2SENW
4303730374	28	ANETH	ANETH UNIT G-325X	G-325X	40S	24E	25	SENWSE
4303730375	18	ANETH	ANETH UNIT G-422	G-422	40S	24E	22	SESWSE
4303730404	22	ANETH	ANETH UNIT H-120X	H-120X	40S	24E	20	NWNENE
4303730407	18	ANETH	ANETH UNIT H-322	H-322	40S	24E	22	NWNESE
4303730409	30	ANETH	ANETH UNIT F-136	F-136	40S	24E	36	SENENW
4303730410	31	ANETH	ANETH UNIT G-236	G-236	40S	24E	36	N2SWNE
4303730412	29	ANETH	ANETH UNIT H-335	H-335	40S	24E	35	NESE
4303730413	33	ANETH	ANETH UNIT J-231	J-231	40S	25E	31	N2SWNW
4303730425	18	ANETH	ANETH UNIT G-122	G-122	40S	24E	22	NENWNE
4303730516	18	ANETH	ANETH UNIT G-221X	G-221X	40S	24E	21	NESWNE
4303730635	02	ANETH	ANETH UNIT B-214	B-214	40S	23E	14	SENENW
4303730636	02	ANETH	ANETH UNIT C-114	C-114	40S	23E	14	NENWNE
4303730637	02	ANETH	ANETH UNIT C-314	C-314	40S	23E	14	NENWSE
4303730638	02	ANETH	ANETH UNIT D-214	D-214	40S	23E	14	SWSENE
4303730639	02	ANETH	ANETH UT D-414	D-414	40S	23E	14	CSESE
4303730643	26	ANETH	ANETH UNIT H-127	H-127	40S	24E	27	E2NENE
4303730646	32	ANETH	ANETH UNIT K-130	K-130	40S	25E	30	NENW
4303730647	33	ANETH	ANETH UNIT K-131	K-131	40S	25E	31	CNENW
4303730648	32	ANETH	ANETH UNIT L-430	L-430	40S	25E	30	CSWSE
4303730649	32	ANETH	ANETH UNIT M-130	M-130	40S	25E	30	NWNENE
4303730716	30	ANETH	ANETH UNIT E-236	E-236	40S	24E	36	NWSWNW
4303730718	26	ANETH	ANETH UNIT F-127	F-127	40S	24E	27	NWNENW
4303730728	26	ANETH	ANETH UNIT F-128	F-128	40S	24E	28	W2NENW
4303731077	12B	ANETH	ANETH UNIT E-118I	E-118SE	40S	24E	18	NESWNW
4303731381	27	ANETH	ANETH UNIT H-314X	H-314X	40S	24E	14	SENESE
4303731382	05	ANETH	ANETH UNIT D-113SE	D-113SE	40S	23E	13	NESENE
4303731383	05	ANETH	ANETH UNIT D-213I	D-213SE	40S	23E	13	NENESE
4303731385	14B	ANETH	ANETH UNIT E-218I	E-218SE	40S	24E	18	NENWSW
4303731386	08	ANETH	ANETH UNIT E-407SW	E-407SW	40S	24E	07	SWSW
4303731396	21	ANETH	ANETH UNIT E-115	E-115	40S	24E	15	N2NWNW
4303731397	21	ANETH	ANETH UNIT F-215	F-215	40S	24E	15	NESENW
4303731398	21	ANETH	ANETH UNIT F-415	F-415	40S	24E	15	NWSESW
4303731408	21	ANETH	ANETH UNIT G-315X	G-315X	40S	24E	15	S2NWSE
4303731409	25	ANETH	ANETH UNIT H-116	H-116	40S	24E	16	W2NENE
4303731529	23	ANETH	ANETH UNIT H-129	H-129	40S	24E	29	SWNENE
4303731531	29	ANETH	ANETH UNIT H-135	H-135	40S	24E	35	NWNENE
4303731537	05	ANETH	UNIT B-412	B-412	40S	23E	12	NWSESW
4303731684	27	ANETH	ANETH UNIT F-214SE	F-214SE	40S	24E	14	SESENW
4303731852	05	ANETH	AU SWD WELL	C-113 LDVL SWD	40S	23E	13	NWNE
4303750011	02	ANETH	NEW DRILL B-414	B-414	40S	23E	14	SESW
4303750036	03	ANETH	NEW DRILL C-123	C-123	40S	23E	23	NWNE
4303750037	03	ANETH	ANETH UNIT	C-223X	40S	23E	23	SWNE
4303750038	02	ANETH	ANETH UNIT A-414X	A-414X	40S	23E	14	SWSW
4303750052	31	ANETH	ANETH UNIT H-236A	H-236A (aka H-236X)	40S	24E	36	SENE
4303750054	16	ANETH	ANETH UNIT E-317X	E-317X	40S	24E	17	NWSW
4303715487	31	ANETH	NAVAJO 1	H-236	40S	24E	36	CSENE
4303715943	27	ANETH	NAVAJO A 7	G-214	40S	24E	14	SWSWNE
4303716031	02	ANETH	ARROWHEAD 8	A-414	40S	23E	14	SWSW
4303716034	01	ANETH	MESA 1	C-411	40S	23E	11	W2SWSE
4303716037	01	ANETH	MESA 2	D-311	40S	23E	11	CNESE
4303716056	29	ANETH	NAVAJO Q 3	E-135	40S	24E	35	SENWNW
4303716060	21	ANETH	NAVAJO E 15	E-308	40S	24E	08	SWNWSW
4303716061	21	ANETH	NAVAJO E 14	E-309	40S	24E	09	SWNWSW

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4303716062	16	ANETH	NAVAJO G 7	E-317	40S	24E	17	CNWSW
4303716100	10B	ANETH	NAVAJO-FEDERAL 6 1	G-307	40S	24E	07	NWSE
4303716118	09B	ANETH	NAVAJO FEDERAL 7 1	H-207	40S	24E	07	SENE
4303716125	21	ANETH	NAVAJO E 7	H-410	40S	24E	10	SESESE
4303716127	18	ANETH	NAVAJO D 22	H-422	40S	24E	22	CSESE
4303716131	32	ANETH	NAVAJO F 8	J-129	40S	25E	29	NWNW
4303716223	26	ANETH	ANETH B-2 27	F-227	40S	24E	27	CSENW
4303716228	26	ANETH	ANETH D-2-28	H-228	40S	24E	28	SESENE
4303716230	26	ANETH	ANETH 34-D-4	H-434	40S	24E	34	NESESE
4303716274	05	ANETH	BURTON 31-12	C-112	40S	23E	12	NWNE
4303716275	06	ANETH	FEDERAL 1	C-124	40S	23E	24	CNWNW
4303716276	03	ANETH	A W RICE 3	C-223	40S	23E	23	SWNE
4303716283	08	ANETH	AZTEC-ISMAY-FED 7	E-207	40S	24E	07	SWNW
4303716284	19A	ANETH	NAVAJO FED UNIT 9 1	E-208	40S	24E	08	SWNW
4303716295	27	ANETH	NAVAJO-A 12	F-311	40S	24E	11	S2NESW
4303716302	28	ANETH	NAVAJO C 4	F-426	40S	24E	26	SESW
4303716303	26	ANETH	ANETH 34-B-4	F-434	40S	24E	34	SESW
4303716304	29	ANETH	NAVAJO Q 8	F-435	40S	24E	35	SESW
4303716328	18	ANETH	NAVAJO D 27	H-419	40S	24E	19	SESE
4303716782	26	ANETH	ANETH 27-A-1	E-127	40S	24E	27	CNWNW
4303730236	28	ANETH	ANETH UNIT G-426	G-426	40S	24E	26	SWSE
4303730238	28	ANETH	ANETH UNIT G-425	G-425	40S	24E	25	SESWSE
4303730333	25	ANETH	ANETH UNIT F-416	F-416	40S	24E	16	SESW
4303730369	28	ANETH	ANETH UNIT G-226	G-226	40S	24E	26	SESWNE
4303730371	28	ANETH	ANETH UNIT E-226	E-226	40S	24E	26	CSWNW
4303730634	02	ANETH	ANETH UNIT A-114	A-114	40S	23E	14	SENWNW
4303730644	26	ANETH	ANETH UNIT H-128 REDRILL+E-127X PAIR	H-128X (fka H-128)	40S	24E	28	CNENE
4303730645	32	ANETH	ANETH UNIT J-229	J-229	40S	25E	29	W2SWNW
4303731076	05	ANETH	ANETH UNIT C-313I	C-313SE	40S	23E	13	CSE
4303731078	18	ANETH	UNIT E-121I	E-121SE	40S	24E	21	N2S2NW

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