

District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88203  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

HOBBS OGD  
JUL 09 2012

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

|   |
|---|
| WELL API NO.<br>30-025-40305  |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.<br>VB20140000  |
| 7. Lease Name or Unit Agreement Name<br>Branch Ranch 35 State                                       |
| 8. Well Number<br>1   |
| 9. OGRID Number<br>22044  |
| 10. Pool name or Wildcat<br>North Hume (Wolfcamp)   |

**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" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator  
McElvain Energy, Inc.

3. Address of Operator  
1050 - 17<sup>th</sup> Street, Suite 2500 Denver, Colorado 80265

4. Well Location  
Unit Letter G : 1980 feet from the North line and 1650 feet from the East line  
Section 35 Township 15S Range 33E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
4,149' GLE & 4,166' KBE (w/17' KB)

Approved for plugging of well bore only.  
Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging) which may be found at OGD Web Page under Forms, www.emnrd.state.nm.us/ocd

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

ATTENTION TO:

SUBSEQUENT REPORT OF:

|   |   |
|---|---|
| REMEDIAL WORK <input type="checkbox"/>                                | ALTERING CASING <input type="checkbox"/>    |
| COMMENCE DRILLING OPNS. <input type="checkbox"/>                      | P AND A <input checked="" type="checkbox"/> |
| CASING/CEMENT JOB <input type="checkbox"/>                            |   |
| OTHER: DST, Drill to TD, Log, P&A <input checked="" type="checkbox"/> |   |

13. Describe proposed or completed work (state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). Early state all pertinent details, and give pertinent dates, including estimated date of 15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

After setting & cementing 8.625" intermediate casing on 6/9/12, a 7.875" bit was used to drill the production hole starting on 6/11/12. The hole was drilled into the projected Wolfcamp pay and a DST conducted from 10,082' to 10,217' on 6/22/12. Following retrieval of the DST tools, the hole was deepened and reached a 10,362' TD on 6/23/12 before being logged in one run with Schlumberger's PEX-HRLA Platform Express on 6/23/12. P&A operations started on 6/24/12 using Rising Star Services. Seven plugs were spotted from 10,250' to surface and three of the plugs were tagged according to plugging orders received from Mr. E.L. Gonzales of the Hobbs' NMOC. Cementing operations concluded on 6/25/12 including cementing of the rat & mouse holes. The wellhead was cut-off and a below ground plate installed on 6/26/12. Patriot Rig # 1 was released at 0700 hours on 6/26/12. The rig was rigged down and waited for trucks until 7/2/12 when the rig was removed from location.

PLEASE REFER TO THE ATTACHED FOR MORE DETAILED OPERATIONAL INFORMATION

Spud Date:

June 1, 2012

Rig Release Date:

June 26, 2012

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE E. Reed Fischer TITLE Operations Manager DATE July 5, 2012

Type or print name E. Reed Fischer E-mail address: reedf@mcelvain.com PHONE: 303.893.0933 xtn 330

For State Use Only

APPROVED BY: Mary Brown TITLE Compliance Officer DATE 7/10/2012

Conditions of Approval (if any)

JUL 10 2012

# McELVAIN ENERGY, INC.

## BRANCH RANCH 35 STATE # 1

SWNE Section 35, T15S, R33E

1,980' FNL and 1,650' FEL

Lea County, New Mexico

(State Lease # VB20140000)

**API# 30-025-40305**

### Attachment - Subsequent Report of Operations NMOCD Form # C-103 Dated July 5, 2012

**Drill TD:** 10,362' (Driller's TD) 10,360' (Logger's TD)

#### **ELog Formation Tops, Porosity Zones & Casing Depths (GLE – 4,149'; KBE - 4,166' w/17' KB):**

| <u>Formation</u>  | <u>Depth</u> | <u>Remarks</u>                                     |
|-------------------|--------------|--|
| SURFACE CASING    | 1,685        | (13.375", 48#/ft & 54.5#/ft – Cemented to Surface) |
| Rustler Anhydrite | 1,700        |  |
| Top of Salt       | 1,742        |  |
| Base of Salt      | 2,786        |  |
| Yates             | 2,812        |  |
| INTERMEDIATE CSG  | 4,456        | (8.625", 32 #/ft – Cemented to Surface)            |
| Abo               | 7,964        |  |
| Wolfcamp          | 9,662        |  |
| Hume Wolfcamp Pay | 10,170       | Porosity Zone from 10,170 – 10,182'                |
| Logger's TD       | 10,360       | Driller's TD 10,362                                |

#### **DRILLSTEM TEST RESULTS (Test #1 Failed, Test #2 Results Below):**

On bottom test from 10,082 to 10,217' KB in 7.875" hole.

Initial Flow = 28 minutes Initial Shut-in = 60 minutes  
Final Flow = 90 minutes Final Shut-in = 323 minutes

|                              |   |           |                              |   |           |
|------------------------------|---|-----------|------------------------------|---|-----------|
| Initial Hydrostatic          | = | 4,869 psi | Initial 1 <sup>st</sup> Flow | = | 926 psi   |
| Final 1 <sup>st</sup> Flow   | = | 959 psi   | 1 <sup>st</sup> Shut-in      | = | 2,053 psi |
| Initial 2 <sup>nd</sup> Flow | = | 1,080 psi | Final 2 <sup>nd</sup> Flow   | = | 1,376 psi |
| 2 <sup>nd</sup> Shut-in      | = | 1,623 psi | Final Hydrostatic            | = | 4,824 psi |

#### **DST (TEST #2) RECOVERY**

Pipe Recovery: Reversed to tank, 17 bbls free oil (42.5 gravity @ 60 degrees), 13 bbls saltwater (91,000 mg/l chlorides), 4 bbls OGCM (40% oil) and 180 feet of saltwater below circulating sub (91,000 mg/l chlorides).

Sample Chamber (2,000 cc capacity) Recovery: 1,385 psi of pressure, 2.96 cf gas, 600 cc's free oil (42.5 gravity), 800 cc's saltwater (91,000 mg/l chlorides). GOR = 785 cf/bbl

**DST (Test #2) REMARKS**

Tool opened with a strong blow. GTS in 12 minutes w/60 psi on ½" choke. 100 psi in 20 minutes, 140 psi at end of 28 minutes first flow period. Reopened tool w/23 psi on ½" choke, 90 psi in 30 minutes, 112 psi in 45 minutes, 120 psi in 60 minutes, 120 psi in 75 minutes before declining after 78 minutes to 100 psi at end of final flow period.

**CEMENT PLUG & PLUG TAG SUMMARY:**

|  |                         |                 |                           |
|--|-------------------------|-----------------|---------------------------|
| PLUG #1  | 10,250 – 10,020' (230') | 60 Sx Class 'H' | TAG #1 – After 4 hrs WOC  |
| Displace Hole with 9.5 ppg Plug Mud  |                         |                 |                           |
| PLUG #2  | 9,725 – 9,600 (±125')   | 50 Sx Class 'H' |                           |
| PLUG #3  | 8,025 – 7,900 (±125')   | 50 Sx Class 'H' |                           |
| PLUG #4  | 4,560 – 4,340 (220')    | 75 Sx Class 'C' | TAG #2 – After 4 hrs WOC  |
| PLUG #5  | 2,850 – 2,700 (±150')   | 40 Sx Class 'C' |                           |
| PLUG #6 (A)  | 1,800 – 1,700 (100')    | 45 Sx Class 'C' | TAG #3 – After 4 hrs WOC. |
| Tagged Plug #6 Too Low Due to Soft Top. Approval from E.L. Gonzales to Pump Additional 25 sacks Above Original Plug # 6. |                         |                 |                           |
| PLUG #6 (B)  | 1,700 – 1,603 (± 97')   | 25 Sx Class 'C' |                           |
| PLUG #7  | 250 – 0 (250')          | 85 Sx Class 'C' |                           |

Filled rat and mouse hole with Class 'C' cement.

Cement from Rising Star Services out of Hobbs, New Mexico

Class 'H' mixed with 5.22 gals/sk water Yields 1.18 ft<sup>3</sup>/sk at 15.60 ppg

Class 'C' mixed with 6.33 gals/sk water Yields 1.33 ft<sup>3</sup>/sk at 14.80 ppg



COMPANY : McELVAIN ENERGY, INC.  
LEASE : BRANCH RANCH "35" STATE  
WELL NO. : # 1  
FIELD : HUME NORTH (WOLFCAMP)  
COUNTY/STATE : LEA/ NEW MEXICO

TEST DATE : 06/22/12  
D.S.T. NO. : 2  
TEST TKT. NO. : 26756  
INVOICE NO. : 24305  
ORDER NO. :

|                                |                           |                          |
|--------------------------------|---------------------------|--------------------------|
| FORMATION : WOLFCAMP LIME      | HOLE SIZE (in) : 7.875    | ANCHOR LENGTH (ft): 135  |
| INTERVAL (ft) : 10082 TO 10217 | DRILL PIPE ID (in) : 3.82 | TOOL LENGTH (ft) : 52    |
| TOTAL DEPTH (ft): 10217        | DRILL COLLAR ID(in): 2.25 | TOOL O.D. (in) : 5       |
| ELEVATION (ft) : 4149          | DRILL COLLAR feet : 519   | PACKER SIZE (in) : 7.000 |

RECORDER DATA  
AK1-KUSTER / AMERADA

TOP RECORDER: IN  
RECORDER NO. : 5163  
CAPACITY (psi): 10000  
DEPTH (ft) : 10085  
CLOCK NO. : 5163  
DURATION (hrs): 99

BOTTOM RECORDER: OUT  
RECORDER NO. : 13799  
CAPACITY (psi): 7850  
DEPTH (ft) : 10217  
CLOCK NO. : 24222  
DURATION (hrs): 24

MUD PROPERTIES

|                           |                         |                          |
|---------------------------|-------------------------|--------------------------|
| MUD TYPE : FRESH GEL/CHEM | WATER LOSS (cc) : 7.00  | CHLORIDE PPM : 68000     |
| MUD WT. (#/gal) : 9.20    | FILTER CAKE (in) : 2/32 | RESISTIVITY(ohm-m): .065 |
|                           | VISCOSITY (sec) : 33    |                          |

EQUIPMENT DATA

|                      |                       |                       |
|----------------------|-----------------------|-----------------------|
| CONVENTIONAL : YES   | ROTARY JARS : YES     | MULTIFLOW : NO        |
| STRADDLE : NO        | NO. OF PACKERS : 2XL  | MILEAGE : YES         |
| SELECTIVE ZONE : NO  | SAFETY JOINT : YES    | OPERATOR TIME : YES   |
| SAMPLE CHAMBER : YES | CIRCULATING SUB : YES | OTHER : YES           |
| GAS ANALYSIS : YES   | REVERSED OUT : YES    | SUNADA ELECTRONIC (2) |
| SUCCESSFUL : YES     | PACKER FAILURE : NO   | TOOL PLUG : NO        |

DECIDED NOT TO TEST : NO

FAIL TO REACH BOTTOM : NO

TIME INTERVAL DATA (min)

TOOL OPENED : 5:45 PM

TOTAL TEST TIME: 500

INITIAL FLOW : 28  
SECOND FLOW : 90  
THIRD FLOW :

INITIAL SHUT-IN: 60  
SECOND SHUT-IN : 323  
THIRD SHUT IN :

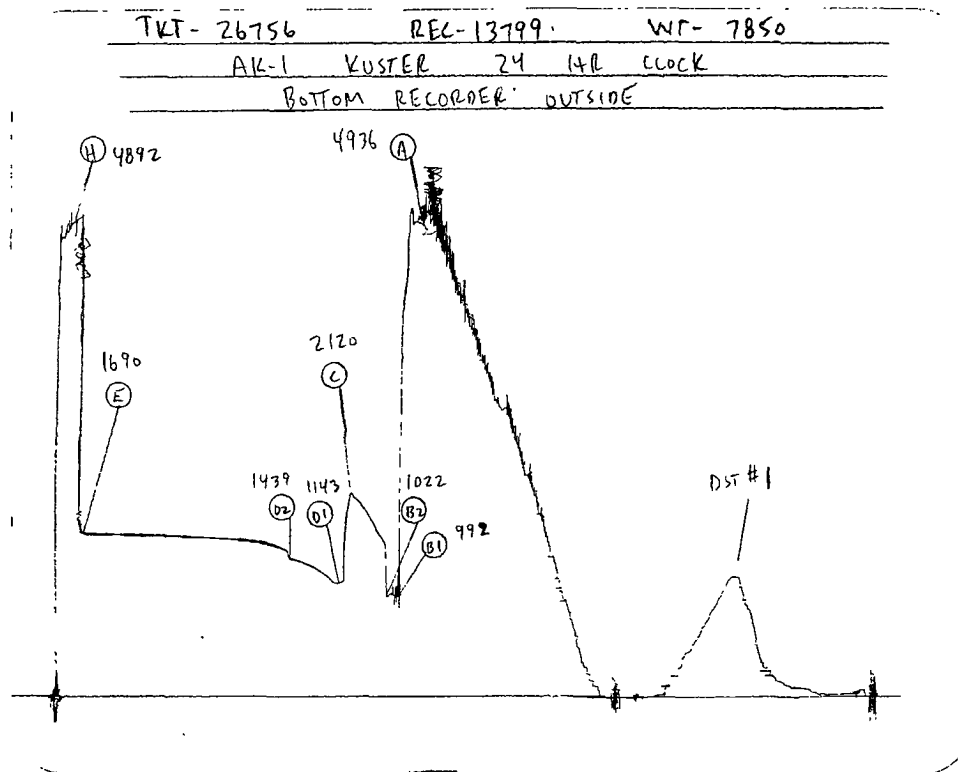
TEST TOOL OPERATOR: DEE WHITEHEAD



McELVAIN ENERGY, INC.

BRANCH RANCH "35" STATE # 1  
D.S.T. NO. :2

|                          | CORRECTED READING | FIELD READING |
|--------------------------|-------------------|---------------|
| A INITIAL HYDROSTATIC:   | 4869 PSI          | 4859 PSI      |
| B-1 INITIAL FIRST FLOW : | 926 PSI           | PSI           |
| B-2 FINAL FIRST FLOW :   | 959 PSI           | 952 PSI       |
| C FIRST SHUT-IN :        | 2053 PSI          | 2047 PSI      |
| D-1 INITIAL SECOND FLOW: | 1080 PSI          | 1102 PSI      |
| D-2 FINAL SECOND FLOW :  | 1376 PSI          | 1376 PSI      |
| E SECOND SHUT-IN :       | 1623 PSI          | 1625 PSI      |
| H FINAL HYDROSTATIC :    | 4824 PSI          | 4702 PSI      |



PIPE RECOVERY RECOVERY DATA B.H. TEMP. (deg F) : 143 SAMPLE CHAMBER

GAS TO SURFACE 12 MIN. INTO FIRST FLOW PERIOD  
PULLED TO FLUID @ 3200 FT. & REVERSED TO TANK APPROX  
17 BBL. OF FREE OIL (42.5 GRAVITY @ 60 DEGREES)  
13 BBL. OF SALTWATER (91,000 MG/L CHLORIDES)  
4 BBL. OF OIL & GAS CUT. MUD (40% OIL)  
180 FT. OF SALTWATER BELOW CIRCULATING SUB  
91,000 MG/L CHLORIDES - .0485 OHM @ 85 DEGREES

1385 LBS. OF PRESSURE  
2.96 CU. FT. OF GAS  
600 CC'S OF FREE OIL  
(42.5 GRAVITY @ 60 DEG)  
800 CC'S OF SALTWATER  
91,000 MG/L CHLORIDES  
GOR = 785 CU.FT./BBL.

#### TEST REMARKS

TOOL OPENED WITH A STRONG BLOW, GAS TO SURFACE IN 12 MIN WITH 60 LB ON 1/2 CHOKE (467 MCFPD), 100 LB (718 MCFPD) IN 20 MIN, 140 LB (968 MCFPD) AT END OF 30 MIN FIRST FLOW. REOPENED TOOL WITH 23 LB (236 MCFPD) ON 1/2", 90 LB. (655 MCFPD) IN 30 MIN, 112 LB (793 MCFPD) IN 45 MIN, 120 LB (793 MCFPD) IN 60 MIN, 120 LB (793 MCFPD) IN 75 MIN. & BEGAN DECREASING IN 78 MIN. TO 100 LB. (718 MCFPD) ON 1/2" CHOKE AT END OF THE 90 MIN. FINAL FLOW PERIOD.



Date: 6/24/12 Time: 100PM  
 Truck Called: 6/24/12 100PM  
 Arrived at job: 6/24/12 330PM  
 Start Job: 6/24/12 645PM  
 Finish Job: 6/25/12 1037PM  
 Leave Location: 6/25/12 1100PM

## Job Log

|                          |       |                                 |                   |  |       |                          |                         |
|--------------------------|-------|---------------------------------|-------------------|--|-------|--------------------------|-------------------------|
| RISING STAR SERVICES LP. |       | Customer Name: MCELVAIN         |                   | Ticket Number:                         |       | H2012-2149               |                         |
| P.O. BOX 61193           |       | Lease Name: BRANCH RANCH 35 ST. |                   | Supervisor: NATHAN HALL                |       |                          |                         |
| MIDLAND, TEXAS 79711     |       | Well #: 1                       |                   | County: LEA                            |       |                          |                         |
| OFFICE # 432-617-0114    |       | Type of Job: PTA                |                   | CUSTOMER REPRESENTATIVE: DENNIS POMROY |       |                          |                         |
| FAX #432-339-0140        |       | Date: 6/25/2012                 |                   |  |       |                          |                         |
| Tubing Size:             |       | Casing size:                    | 8 5/8             | Drill Pipe:                            | 4.5   |                          |                         |
| Tubing weight:           |       | Casing weight:                  | 32                | Drill Pipe Weight:                     | 16.6  |                          |                         |
| Tubing bbl/lnft          |       | Total Casing Depth:             | 4468              | Annular Volume:                        |       |                          |                         |
| Retainer depth:          |       | Open Hole:                      | 7 7/8             | BHST:                                  |       |                          |                         |
| Packer depth:            |       | Total OH Depth:                 | 10362             | BHCT:                                  |       |                          |                         |
| Perfs:                   |       | Displacement:                   | bbls              | Maximum:                               | 2000  | Psi                      |                         |
| Holes in casing:         |       | Pre-Flush:                      | bbls              |  |       |                          |                         |
| <b>Sks.</b>              |       | <b>Cement Additives</b>         |                   |  |       |                          |                         |
| Lead Cement:             | 250   | CLASS H+.25%R-38                |                   |  |       |                          |                         |
| Cmt. Wt.                 | 15.60 | Yield                           | 1.18              | Gal/sk                                 | 5.22  | Mixing Water:            | 31.07 :bbls             |
|                          |       |                                 |                   |  |       | Total Ft. <sup>3</sup> : | 295.00 ft. <sup>3</sup> |
| Tail Cement:             | 300   | CLASS C+.25%R-38                |                   |  |       |                          |                         |
| Cmt. Wt.                 | 14.80 | Yield                           | 1.33              | Gal/sk                                 | 6.33  | Mixing Water:            | 45.21 :bbls             |
|                          |       |                                 |                   |  |       | Total Ft. <sup>3</sup> : | 399.00 ft. <sup>3</sup> |
|                          |       |                                 |                   |  |       | Mixing Water:            | :bbls                   |
|                          |       |                                 |                   |  |       | Total Ft. <sup>3</sup> : | ft. <sup>3</sup>        |
|                          |       |                                 |                   |  |       | Mixing Water:            | :bbls                   |
|                          |       |                                 |                   |  |       | Total Ft. <sup>3</sup> : | ft. <sup>3</sup>        |
| Total sks:               | 550   | sks.                            | Total Bbls. Cmt.: | 123.60                                 | :Bbls | Total Water for Job:     |                         |
| Total Ft. <sup>3</sup> : | 694   | ft. <sup>3</sup>                | Total Mix Water:  | 76.29                                  | :Bbls | :Bbls                    |                         |

## Acid Systems

|                                     |       |                  |          |                            |  |
|-------------------------------------|-------|------------------|----------|----------------------------|--|
| Acid System:                        |       | Gallons          |          |                            |  |
| Diverter:                           |       | Balls            |          | Coarse Rock Salt           |  |
| Injection Rate:                     |       | Job Pressures    |          | <b>Job Log Remarks:</b>    |  |
| Time                                | Rate: | Bbls in          | Tbg psi. |                            |  |
| 100PM                               |       |                  |          |                            | ARRIVE IN YARD AND PRETRIP TRUCKS, AND PAPERWORK |
| 130PM                               |       |                  |          |                            | PRE CONVOY SAFETY MEETING                        |
| 200PM                               |       |                  |          |                            | LEAVE YARD                                       |
| 330PM                               |       |                  |          |                            | ARRIVE ON LOCATION                               |
| 331PM                               |       |                  |          |                            | PERFORM JSA                                      |
| 335PM                               |       |                  |          |                            | PRE RIG UP SAFETY MEETING                        |
| 340PM                               |       |                  |          |                            | SPOT TRUCKS                                      |
| 345PM                               |       |                  |          |                            | RIG UP ALL IRON                                  |
| 400PM                               |       |                  |          |                            | WAIT ON DRILL PIN                                |
| 630PM                               |       |                  |          |                            | PRE JOB SAFETY MEETING                           |
| 645PM                               |       |                  |          |                            | RIG UP TO DRILL PIPE                             |
| SERVICE REPRESENTATIVE: NATHAN HALL |       | Signature Please |          | CUSTOMER REPRESENTATIVE: X |  |
|                                     |       |                  |          | Signature Please           |  |



Ticket Number:

**H2012-2149**

Customer:

**MCELVAIN**

Lease: **BRANCH RANCH 35 ST.**

Well: **1**

Date

**6/25/2012**

Job Type: **PTA**

| Time   | Injection Rate: |         | Job Pressures |         | Job Log Remarks:   |
|--------|-----------------|---------|---------------|---------|--|
|        | Rate:           | Bbls in | Tbg psi.      | Csg psi |  |
| 658PM  | 1.5             | 10      |               | 300     | PUMP FRESH WATER SPACER  |
| 700PM  |                 |         |               |         | SHUTDOWN AND BATCH UP CEMENT TO 15.6PPG  |
| 702PM  | 2               | 12.5    |               | 300     | PUMP CEMENT-CLASS H/60 SACKS SET @ 10250" <span style="float:right">#1</span>          |
| 708PM  | 1.1             | 3.5     |               | 300     | PUMP FRESH WATER SPACER  |
| 711PM  | 8               |         |               | 700     | START MUD DISPLACEMENT   |
| 713PM  | 8               | 20      |               | 700     | MUD DISPLACEMENT   |
| 718PM  | 8               | 40      |               | 700     | MUD DISPLACEMENT   |
| 719PM  | 8               | 60      |               | 700     | MUD DISPLACEMENT   |
| 721PM  | 8               | 80      |               | 800     | MUD DISPLACEMENT   |
| 723PM  | 8               | 100     |               | 1000    | MUD DISPLACEMENT   |
| 726PM  | 8               | 120     |               | 1200    | MUD DISPLACEMENT   |
| 728PM  |                 | 139     |               |         | SHUTDOWN AND SWITCH OVER TO WASH UP TO PIT   |
| 730PM  |                 |         |               |         | PULL 5 STANDS AND WAIT ON CEMENT   |
| 1130PM |                 |         |               |         | TAG @ 10020" <span style="float:right">-Tag</span>                                     |
| 1140PM |                 |         |               |         | WAIT FOR RIG CREW TO LAY DOWN 15 JTS   |
| 1250AM |                 |         |               |         | RIG UP TO DRILL PIPE   |
| 1254AM | 2               | 10      |               | 300     | PUMP FRESH WATER SPACER  |
| 1259AM |                 |         |               |         | SHUTDOWN TO BATCH UP CEMENT TO 15.6PPG   |
| 100AM  | 3.5             | 10.5    |               | 200     | PUMP CEMENT-CLASS H/50 SACKS SET @ 9725" <span style="float:right">#2</span>           |
| 103AM  | 3.5             | 3.5     |               | 100     | PUMP FRESH WATER SPACER  |
| 104AM  | 6.6             |         |               | 400     | START MUD DISPLACEMENT   |
| 107AM  | 6.6             | 20      |               | 650     | MUD DISPLACEMENT   |
| 110AM  | 6.6             | 40      |               | 650     | MUD DISPLACEMENT   |
| 113AM  | 6.6             | 60      |               | 650     | MUD DISPLACEMENT   |
| 116AM  | 6.6             | 80      |               | 1000    | MUD DISPLACEMENT   |
| 118AM  | 6.6             | 100     |               | 1000    | MUD DISPLACEMENT   |
| 120AM  | 6.6             | 120     |               | 1100    | MUD DISPLACEMENT   |
| 122AM  |                 | 132     |               |         | SHUTDOWN AND SWITCH OVER TO WASH UP TO PIT   |
| 125AM  |                 |         |               |         | WAIT FOR RIG CREW TO LAY DOWN 52 JTS   |
| 255AM  |                 |         |               |         | RIG UP TO DRILL PIPE   |
| 300AM  | 2.5             | 10      |               | 200     | PUMP FRESH WATER SPACER  |
| 304AM  |                 |         |               |         | SHUTDOWN TO BATCH UP CEMENT TO 15.6PPG   |
| 305AM  | 2.1             | 10.5    |               | 100     | PUMP CEMENT-CLASS H/50 SACKS SET @ 8025" <span style="float:right">#3</span>           |
| 310AM  | 1.75            | 3.5     |               | 100     | PUMP FRESH WATER SPACER  |
| 312AM  | 8.9             |         |               | 300     | START MUD DISPLACEMENT   |
| 314AM  | 8.9             | 20      |               | 500     | MUD DISPLACEMENT   |
| 317AM  | 8.9             | 40      |               | 500     | MUD DISPLACEMENT   |
| 319AM  | 8.9             | 60      |               | 800     | MUD DISPLACEMENT   |
| 321AM  | 8.9             | 80      |               | 800     | MUD DISPLACEMENT   |
| 323AM  | 8.9             | 100     |               | 800     | MUD DISPLACEMENT   |
| 324AM  |                 | 107     |               |         | SHUTDOWN AND SWITCH OVER TO WASH UP TO PIT   |
| 330AM  |                 |         |               |         | WAIT FOR RIG CREW TO LAY DOWN 110 JTS  |
| 642AM  |                 |         |               |         | RIG UP TO DRILL PIPE   |
| 648AM  | 5               | 10      |               | 300     | PUMP FRESH WATER SPACER&BATCH UP CEMENT TO 14.8PPG                                     |
| 651AM  | 4.3             | 17.5    |               | 300     | PUMP CEMENT-CLASS C W/1%CACL2/75 SACKS SET @ 4560" <span style="float:right">#4</span> |
| 655AM  | 4.3             | 3.4     |               | 300     | PUMP FRESH WATER SPACER  |
| 656AM  | 8               |         |               | 700     | START MUD DISPLACEMENT   |
| 658AM  | 8               | 20      |               | 700     | MUD DISPLACEMENT   |
| 702AM  | 8               | 40      |               | 700     | MUD DISPLACEMENT   |
| 703AM  |                 | 56      |               |         | SHUTDOWN AND SWITCH OVER TO WASH UP TO PIT   |
| 705AM  |                 |         |               |         | PULL 5 STANDS AND WAIT ON CEMENT   |
| 1100AM |                 |         |               |         | TAG @ 4340" <span style="float:right">-Tag</span>                                      |
| 1115AM |                 |         |               |         | WAIT FOR RIG CREW TO LAY DOWN 53 JTS   |
| 1250PM |                 |         |               |         | RIG UP TO DRILL PIPE   |
| 1259PM | 5               | 10      |               | 200     | PUMP FRESH WATER SPACER&BATCH UP CEMENT TO 14.8PPG                                     |
| 101PM  | 3.1             | 9.4     |               | 200     | PUMP CEMENT-CLASS C/40 SACKS SET @2850" <span style="float:right">#5</span>            |
| 104PM  | 3.1             | 3.4     |               | 200     | PUMP FRESH WATER SPACER  |
| 105PM  | 7               |         |               | 300     | START MUD DISPLACEMENT   |

Thank you for your business, your patronage is greatly appreciated!!!

SERVICE REPRESENTATIVE: Signature Please

CUSTOMER REPRESENTATIVE: Signature Please

**NATHAN HALL**
**X**



H2012-2149

Well: 1

**Customer:** MCELVAIN

Date 6/25/2012

### Job Log Remarks:

# 4

**Thank you for your business, your patronage is greatly appreciated!!!**

|                         |                  |
|-------------------------|------------------|
| SERVICE REPRESENTATIVE: | Signature Please |
|-------------------------|------------------|

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| <b>CUSTOMER REPRESENTATIVE:</b> | Signature Please |
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NATHAN HALL

**X**