

WPX Energy Rocky Mountain LLC - EBUS

PA 333-27

**Nabors 576**

# **Post Job Summary**

## **Cement Production Casing**

Date Prepared: 11/13/2014

Job Date: 10/25/2014

Submitted by: Patrick Ealey – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

|   |                    |                                   |                           |
|---|--------------------|-----------------------------------|---------------------------|
| Sold To #: 300721                                 | Ship To #: 3353908 | Quote #:                          | Sales Order #: 0901770958 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS      |                    | Customer Rep: AL HARTL            |                           |
| Well Name: FEDERAL                                | Well #: PA 333-27  | API/UWI #: 05-045-22336-00        |                           |
| Field: PARACHUTE                                  | City (SAP): RIFLE  | County/Parish: GARFIELD           | State: COLORADO           |
| Legal Description: NE SE-27-6S-95W-1356FSL-830FEL |                    |                                   |                           |
| Contractor: NABORS DRLG                           |                    | Rig/Platform Name/Num: NABORS 576 |                           |
| Job BOM: 7523                                     |                    |                                   |                           |
| Well Type: DIRECTIONAL GAS                        |                    |                                   |                           |
| Sales Person: HALAMERICA\HB50180                  |                    | Srvc Supervisor: Eric Carter      |                           |
| <b>Job</b>  |                    |                                   |                           |

|                        |        |          |                   |             |
|------------------------|--------|----------|-------------------|-------------|
| Formation Name         |        |          |                   |             |
| Formation Depth (MD)   | Top    | 2308 FT. | Bottom            | 8528.88 FT. |
| Form Type              | BHST   |          |                   |             |
| Job depth MD           | 8529ft |          | Job Depth TVD     |             |
| Water Depth            |        |          | Wk Ht Above Floor | 5 FT.       |
| Perforation Depth (MD) | From   |          | To                |             |

| Well Data         |            |         |       |               |        |       |           |              |            |               |
|-------------------|------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Description       | New / Used | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
| Casing            |            | 9.625   | 9.001 | 32.3          |        |       | 0         | 2803         |            | 0             |
| Casing            |            | 4.5     | 4     | 11.6          |        |       | 0         | 8529         |            | 0             |
| Open Hole Section |            |         | 8.75  |               |        |       | 2803      | 8529         | 0          | 0             |

| Tools and Accessories |         |     |      |          |  |                |         |     |      |
|-----------------------|---------|-----|------|----------|--|----------------|---------|-----|------|
| Type                  | Size in | Qty | Make | Depth ft |  | Type           | Size in | Qty | Make |
| Guide Shoe            |         |     |      |          |  | Top Plug       | 4.5     | 1   | HES  |
| Float Shoe            |         |     |      |          |  | Bottom Plug    |         |     |      |
| Float Collar          |         |     |      |          |  | SSR plug set   |         |     |      |
| Insert Float          |         |     |      |          |  | Plug Container | 4.5     | 1   | HES  |
| Stage Tool            |         |     |      |          |  | Centralizers   |         |     |      |

| Miscellaneous Materials |      |            |      |           |     |      |               |      |           |      |           |     |      |
|-------------------------|------|------------|------|-----------|-----|------|---------------|------|-----------|------|-----------|-----|------|
| Gelling Agt             | Conc | Surfactant | Conc | Acid Type | Qty | Conc | Treatment Fld | Conc | Inhibitor | Conc | Sand Type | Qty | Conc |
|                         |      |            |      |           |     |      |               |      |           |      |           |     |      |

| Fluid Data      |              |                       |     |         |                        |                |               |              |                     |  |
|-----------------|--------------|-----------------------|-----|---------|------------------------|----------------|---------------|--------------|---------------------|--|
| Stage/Plug #: 1 |              |                       |     |         |                        |                |               |              |                     |  |
| Fluid #         | Stage Type   | Fluid Name            | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |  |
| 1               | Fresh Water  | Fresh Water           | 10  | bbl     | 8.34                   |                |               | 4            |                     |  |
| Fluid #         | Stage Type   | Fluid Name            | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft3/sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal |  |
| 2               | EconoCem GJ2 | ECONOCHEM (TM) SYSTEM | 355 | sack    | 12.7                   | 1.66           | 8.53          | 7            |                     |  |

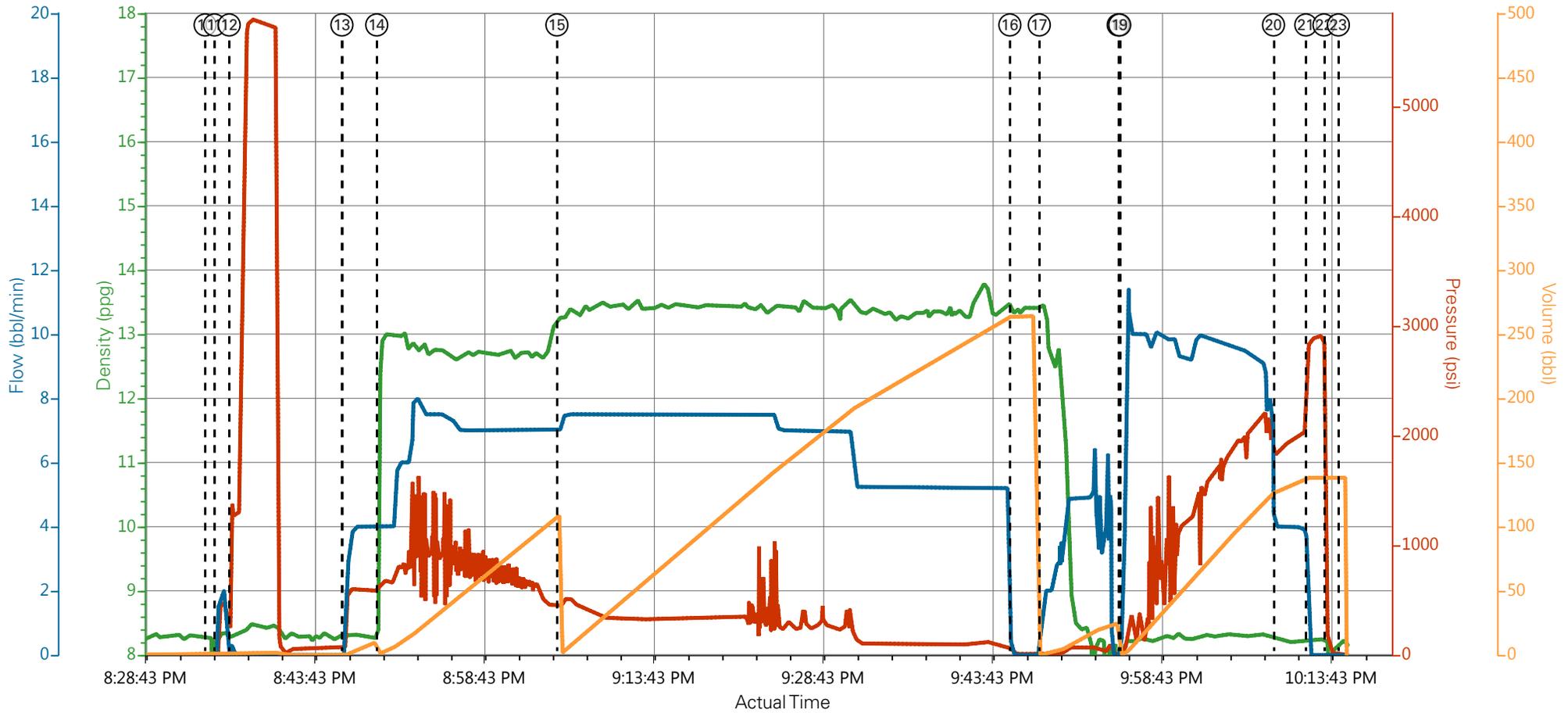
|                            |                             |                          |            |                |                                   |                           |                          |                              |                                    |
|----------------------------|-----------------------------|--------------------------|------------|----------------|-----------------------------------|---------------------------|--------------------------|------------------------------|------------------------------------|
| 8.69 Gal                   |                             | FRESH WATER              |            |                |                                   |                           |                          |                              |                                    |
| <b>Fluid #</b>             | <b>Stage Type</b>           | <b>Fluid Name</b>        | <b>Qty</b> | <b>Qty UoM</b> | <b>Mixing Density<br/>lbm/gal</b> | <b>Yield<br/>ft3/sack</b> | <b>Mix Fluid<br/>Gal</b> | <b>Rate<br/>bbl/mi<br/>n</b> | <b>Total Mix<br/>Fluid<br/>Gal</b> |
| 3                          | ThermaCem<br>GJ2            | THERMACEM (TM)<br>SYSTEM | 670        | sack           | 13.5                              | 1.74                      | 7.63                     | 7.5                          |                                    |
| 7.72 Gal                   |                             | FRESH WATER              |            |                |                                   |                           |                          |                              |                                    |
| <b>Fluid #</b>             | <b>Stage Type</b>           | <b>Fluid Name</b>        | <b>Qty</b> | <b>Qty UoM</b> | <b>Mixing Density<br/>lbm/gal</b> | <b>Yield<br/>ft3/sack</b> | <b>Mix Fluid<br/>Gal</b> | <b>Rate<br/>bbl/mi<br/>n</b> | <b>Total Mix<br/>Fluid<br/>Gal</b> |
| 4                          | Fresh Water<br>Displacement | Fresh Water Displacement | 131.8      | bbl            | 8.34                              |                           |                          | 10                           |                                    |
| <b>Cement Left In Pipe</b> | <b>Amount</b>               | 28.75 ft                 |            | <b>Reason</b>  | Shoe Joint                        |                           |                          |                              |                                    |
| <b>Comment</b>             |                             |                          |            |                |                                   |                           |                          |                              |                                    |

## 3.5 Job Event Log

| Type  | Seq. No. | Activity                              | Date       | Time     | Source | DH Density (ppg) | PS Pump Press (psi) | Comb Pump Rate (bbl/min) | Pump Stg Tot (bbl) | Comment  |
|-------|----------|---------------------------------------|------------|----------|--------|------------------|---------------------|--------------------------|--------------------|--|
| Event | 1        | Call Out                              | 10/25/2014 | 10:00:00 | USER   |                  |                     |                          |                    |  |
| Event | 2        | Depart Yard Safety Meeting            | 10/25/2014 | 11:50:00 | USER   |                  |                     |                          |                    | ATTENDED BY ALL HES CREW   |
| Event | 3        | Crew Leave Yard                       | 10/25/2014 | 12:00:00 | USER   |                  |                     |                          |                    |  |
| Event | 4        | Arrive At Loc                         | 10/25/2014 | 13:00:00 | USER   |                  |                     |                          |                    | RIG RUNNING CASING   |
| Event | 5        | Assessment Of Location Safety Meeting | 10/25/2014 | 18:00:00 | USER   |                  |                     |                          |                    | ATTENDED BY ALL HES CREW   |
| Event | 6        | Other                                 | 10/25/2014 | 18:10:00 | USER   |                  |                     |                          |                    | SPOT EQUIPMENT   |
| Event | 7        | Pre-Rig Up Safety Meeting             | 10/25/2014 | 18:30:00 | USER   |                  |                     |                          |                    | ATTENDED BY ALL HES CREW   |
| Event | 8        | Rig-Up Equipment                      | 10/25/2014 | 18:40:00 | USER   |                  |                     |                          |                    |  |
| Event | 9        | Pre-Job Safety Meeting                | 10/25/2014 | 20:00    | USER   |                  |                     |                          |                    | ATTENDED BY ALL HES CREW, RIG CREW AND COMPANY REP   |
| Event | 10       | Other                                 | 10/25/2014 | 20:34:17 | USER   |                  |                     |                          |                    | TP 8528.88', TD 8528.88', MW 11.4 PPG, CASING 4.5", 11.6#, N-80, SJ 28.75', HOLE 8.75", SURFACE CASING 9.625", 32.3# SET AT 2308', RIG CIRCULATED FOR 2HR'S PRIOR TO JOB |
| Event | 11       | Other                                 | 10/25/2014 | 20:35:07 | USER   | 8.34             | 490                 | 2                        | 2                  | FRESH WATER  |
| Event | 12       | Test Lines                            | 10/25/2014 | 20:36:25 | USER   |                  |                     |                          |                    | PRESSURED UP TO 5800 PSI, PRESSURE HELD  |
| Event | 13       | Pump Spacer                           | 10/25/2014 | 20:46:24 | USER   | 8.34             | 590                 | 4                        | 10                 | FRESH WATER  |
| Event | 14       | Pump Lead Cement                      | 10/25/2014 | 20:49:29 | USER   | 12.7             | 920                 | 7                        | 105                | 355 SKS ECONOCEM MIXED AT 12.7 PPG, 1.66 YIELD, 8.53 GL/SK   |
| Event | 15       | Pump Tail Cement                      | 10/25/2014 | 21:05:26 | USER   | 13.5             | 550                 | 7.5                      | 207.6              | 670 SKS THERMACEM MIXED AT 13.5 PPG, 1.74 YIELD, 7.63 GL/SK  |
| Event | 16       | Shutdown                              | 10/25/2014 | 21:45:33 | USER   |                  |                     |                          |                    |  |
| Event | 17       | Clean Lines                           | 10/25/2014 | 21:48:09 | USER   |                  |                     |                          |                    | CLEANED LINES TO CATCH TANK  |

|       |    |  |            |          |      |     |      |    |       |  |
|-------|----|--|------------|----------|------|-----|------|----|-------|--|
| Event | 18 | Drop Top Plug                          | 10/25/2014 | 21:55:08 | USER |     |      |    |       | PLUG LAUNCHED  |
| Event | 19 | Pump Displacement                      | 10/25/2014 | 21:55:16 | USER | 8.4 | 2200 | 10 | 121.8 | FRESH WATER WITH KCL, BE-6 AND MMCR  |
| Event | 20 | Slow Rate                              | 10/25/2014 | 22:08:53 | USER | 8.4 | 2050 | 4  | 10    |  |
| Event | 21 | Bump Plug                              | 10/25/2014 | 22:11:45 | USER |     | 2920 |    |       | PLUG LANDED  |
| Event | 22 | Check Weight                           | 10/25/2014 | 22:13:21 | USER |     |      |    |       | FLOATS HELD  |
| Event | 23 | Other                                  | 10/25/2014 | 22:14:38 | USER |     |      |    |       | GOOD CIRCULATION THROUGHOUT JOB, PIPE NOT MOVED DURNIG JOB, 0 BBLs CEMENT TO SURFACE |
| Event | 24 | Post-Job Safety Meeting (Pre Rig-Down) | 10/25/2014 | 22:15    | USER |     |      |    |       | ATTENDED BY ALL HES CREW   |
| Event | 25 | Rig-Down Equipment                     | 10/25/2014 | 22:20    | USER |     |      |    |       |  |
| Event | 26 | Depart Location Safety Meeting         | 10/25/2014 | 23:20    | USER |     |      |    |       | ATTENDED BY ALL HES CREW   |
| Event | 27 | Crew Leave Location                    | 10/25/2014 | 23:30    | USER |     |      |    |       | THANK YOU FOR USING HALLIBURTON CEMENT, ERIC CARTER AND CREW                         |

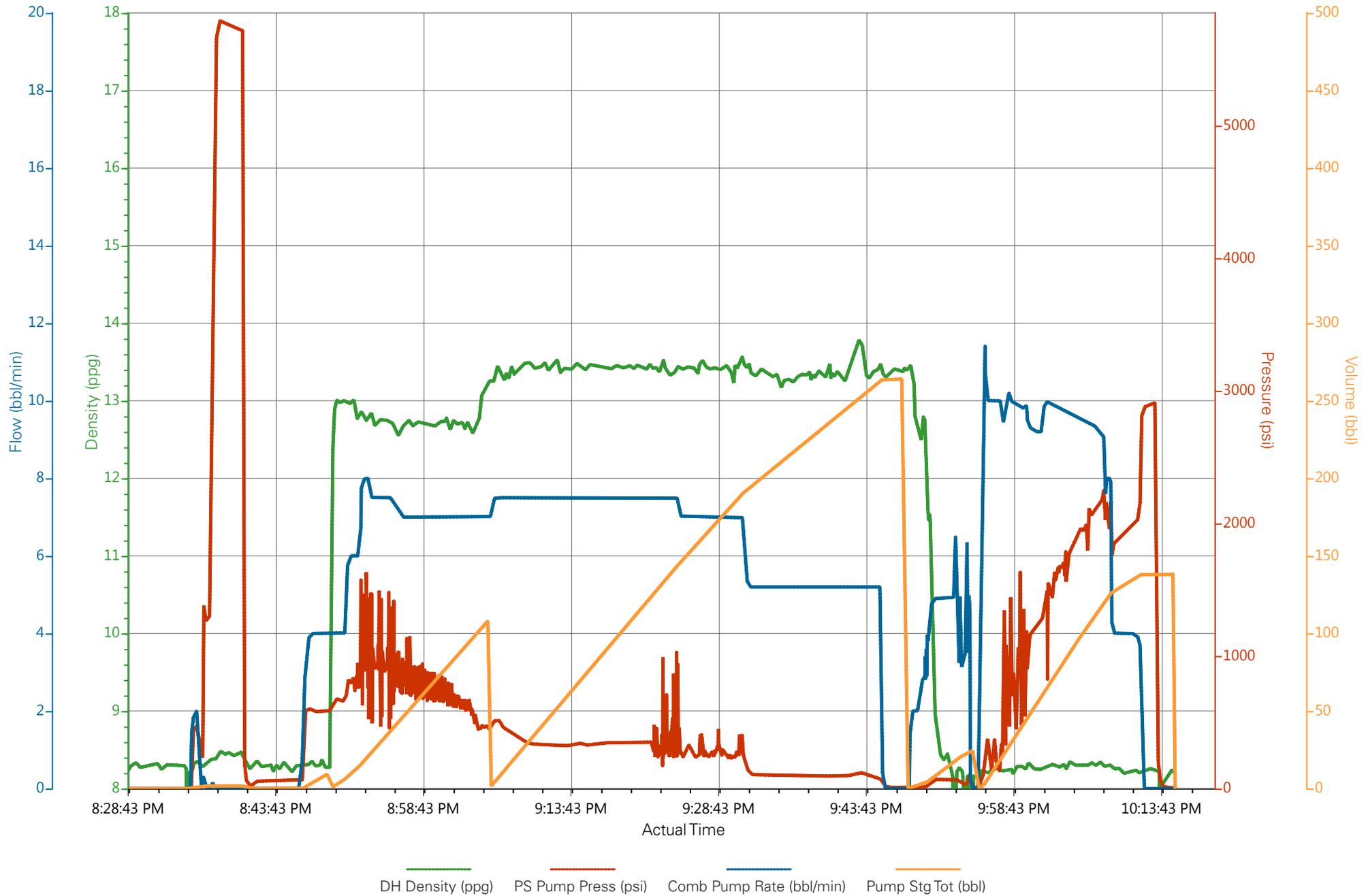
# WPX - PA 333-27 - PRODUCTION



— DH Density (ppg)    
 — PS Pump Press (psi)    
 — Comb Pump Rate (bbl/min)    
 — Pump Stg Tot (bbl)

|   |  |                                    |   |
|---|--|------------------------------------|---|
| ① Call Out n/a;n/a;n/a;n/a                              | ⑧ Rig-Up Equipment n/a;n/a;n/a;n/a       | ⑮ Pump Tail Cement 13.21;429;7;0.9 | 22 Check Floats 8.21;154;0;138.1                          |
| ② Depart Yard Safety Meeting n/a;n/a;n/a;n/a            | ⑨ Pre-Job Safety Meeting n/a;n/a;n/a;n/a | ⑯ Shutdown 13.3;18;0;264           | 23 End Job 8.25;3;0;138.1                                 |
| ③ Crew Leave Yard n/a;n/a;n/a;n/a                       | ⑩ Start Job 8.32;0;0;0                   | ⑰ Clean Lines 13.43;9;2;0.1        | 24 Post-Job Safety Meeting (Pre Rig-Down) n/a;n/a;n/a;n/a |
| ④ Arrive At Loc n/a;n/a;n/a;n/a                         | ⑪ Fill Lines 8.33;15;1.4;0.1             | ⑱ Drop Top Plug 7.64;9;1.9;0.1     | 25 Rig-Down Equipment n/a;n/a;n/a;n/a                     |
| ⑤ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a | ⑫ Test Lines 8.32;1303;0;1.7             | 20 Slow Rate 8.25;1835;4;127.7     | 26 Depart Location Safety Meeting n/a;n/a;n/a;n/a         |
| ⑥ Other n/a;n/a;n/a;n/a                                 | ⑬ Pump Spacer 8.28;83;1.1;0.1            | 21 Bump Plug 8.23;2855;0;138.1     | 27 Crew Leave Location n/a;n/a;n/a;n/a                    |
| ⑦ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a             | ⑭ Pump Lead Cement 12.56;621;4;1.3       |                                    |   |

# WPX - PA 333-27 - PRODUCTION



DH Density (ppg) PS Pump Press (psi) Comb Pump Rate (bbl/min) Pump Stg Tot (bbl)

# HALLIBURTON

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## Water Analysis Report

Company: WPX  
Submitted by: ERIC CARTER  
Attention: J.Trout  
Lease: NABORS 576  
Well #: PA 333-27

Date: 11/13/2014  
Date Rec.: 11/13/2014  
S.O.#: 901770958  
Job Type: PRODUCTION

|                             |              |                       |
|-----------------------------|--------------|-----------------------|
| Specific Gravity            | <i>MAX</i>   | <b>1</b>              |
| pH                          | <i>8</i>     | <b>7</b>              |
| Potassium (K)               | <i>5000</i>  | <b>1000</b> Mg / L    |
| Hardness                    | <i>500</i>   | <b>250</b> Mg / L     |
| Iron (FE2)                  | <i>300</i>   | <b>10</b> Mg / L      |
| Chlorides (Cl)              | <i>3000</i>  | <b>500</b> Mg / L     |
| Sulfates (SO <sub>4</sub> ) | <i>1500</i>  | <b>&lt;200</b> Mg / L |
| Temp                        | <i>40-80</i> | <b>60</b> Deg         |
| Total Dissolved Solids      |              | <b>OR</b> Mg / L      |

Respectfully: ERIC CARTER

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its

|  |                                |   |
|--|--------------------------------|---|
| <b>Sales Order #:</b><br>0901770958                    | <b>Line Item:</b><br>10        | <b>Survey Conducted Date:</b><br>10/25/2014                   |
| <b>Customer:</b><br>WPX ENERGY ROCKY MOUNTAIN LLC-EBUS |                                | <b>Job Type (BOM):</b><br>CMT PRODUCTION CASING BOM           |
| <b>Customer Representative:</b><br>AL HARTL            |                                | <b>API / UWI: (leave blank if unknown)</b><br>05-045-22336-00 |
| <b>Well Name:</b><br>FEDERAL                           |                                | <b>Well Number:</b><br>0080455260                             |
| <b>Well Type:</b><br>DIRECTIONAL GAS                   | <b>Well Country:</b><br>USA    |   |
| <b>H2S Present:</b><br>No                              | <b>Well State:</b><br>COLORADO | <b>Well County:</b><br>GARFIELD                               |

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

### CUSTOMER SATISFACTION SURVEY

| CATEGORY                | CUSTOMER SATISFACTION RESPONSE                                 |            |
|-------------------------|--|------------|
| Survey Conducted Date   | The date the survey was conducted                              | 10/25/2014 |
| Survey Interviewer      | The survey interviewer is the person who initiated the survey. | HX15491    |
| Customer Participation  | Did the customer participate in this survey? (Y/N)             | Yes        |
| Customer Representative | Enter the Customer representative name                         | AL HARTL   |
| HSE                     | Was our HSE performance satisfactory? Circle Y or N            | Yes        |
| Equipment               | Were you satisfied with our Equipment? Circle Y or N           | Yes        |
| Personnel               | Were you satisfied with our people? Circle Y or N              | Yes        |
| Customer Comment        | Customer's Comment   |            |

|                           |
|---------------------------|
| <b>CUSTOMER SIGNATURE</b> |
|---------------------------|

|  |                                |   |
|--|--------------------------------|---|
| <b>Sales Order #:</b><br>0901770958                    | <b>Line Item:</b><br>10        | <b>Survey Conducted Date:</b><br>10/25/2014                   |
| <b>Customer:</b><br>WPX ENERGY ROCKY MOUNTAIN LLC-EBUS |                                | <b>Job Type (BOM):</b><br>CMT PRODUCTION CASING BOM           |
| <b>Customer Representative:</b><br>AL HARTL            |                                | <b>API / UWI: (leave blank if unknown)</b><br>05-045-22336-00 |
| <b>Well Name:</b><br>FEDERAL                           |                                | <b>Well Number:</b><br>0080455260                             |
| <b>Well Type:</b><br>DIRECTIONAL GAS                   | <b>Well Country:</b><br>USA    |   |
| <b>H2S Present:</b><br>No                              | <b>Well State:</b><br>COLORADO | <b>Well County:</b><br>GARFIELD                               |

### KEY PERFORMANCE INDICATORS

|                                   |            |
|-----------------------------------|------------|
| General                           |            |
| <b>Survey Conducted Date</b>      | 10/25/2014 |
| The date the survey was conducted |            |

|   |                         |
|---|-------------------------|
| Cementing KPI Survey  |                         |
| <b>Type of Job</b>  | 0                       |
| Select the type of job. (Cementing or Non-Cementing)  |                         |
| <b>Select the Maximum Deviation range for this Job</b>  | Vertical                |
| What is the highest deviation for the job you just completed? This may not be the maximum well deviation. |                         |
| <b>Total Operating Time (hours)</b>   | 4                       |
| Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.                       |                         |
| <b>HSE Incident, Accident, Injury</b>   | No                      |
| HSE Incident, Accident, Injury. This should be recordable incidents only.                                 |                         |
| <b>Was the job purpose achieved?</b>  | Yes                     |
| Was the job delivered correctly as per customer agreed design?  |                         |
| <b>Pumping Hours</b>  | 2                       |
| Total number of hours pumping fluid on this job. Enter in decimal format.                                 |                         |
| <b>Type of Rig Classification Job Was Performed</b>   | Drilling Rig (Portable) |
| Type Of Rig (classification) Job Was Performed On   |                         |
| <b>Number Of JSAs Performed</b>   | 5                       |
| Number Of Jsas Performed  |                         |
| <b>Was this a Primary Cement Job (Yes / No)</b>   | Yes                     |
| Primary Cement Job= Casing job, Liner job, or Tie-back job.   |                         |
| <b>Number of Unplanned Shutdowns</b>  | 0                       |
| Unplanned shutdown is when injection stops for any period of time.  |                         |
| <b>Customer Non-Productive Rig Time (hrs)</b>   | 0                       |

|  |                                |   |
|--|--------------------------------|---|
| <b>Sales Order #:</b><br>0901770958                    | <b>Line Item:</b><br>10        | <b>Survey Conducted Date:</b><br>10/25/2014                   |
| <b>Customer:</b><br>WPX ENERGY ROCKY MOUNTAIN LLC-EBUS |                                | <b>Job Type (BOM):</b><br>CMT PRODUCTION CASING BOM           |
| <b>Customer Representative:</b><br>AL HARTL            |                                | <b>API / UWI: (leave blank if unknown)</b><br>05-045-22336-00 |
| <b>Well Name:</b><br>FEDERAL                           |                                | <b>Well Number:</b><br>0080455260                             |
| <b>Well Type:</b><br>DIRECTIONAL GAS                   | <b>Well Country:</b><br>USA    |   |
| <b>H2S Present:</b><br>No                              | <b>Well State:</b><br>COLORADO | <b>Well County:</b><br>GARFIELD                               |

|  |     |
|--|-----|
| Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.  |     |
| <b>Did We Run Wiper Plugs?</b><br>Did We Run Top And Bottom Casing Wiper Plugs?  | Top |
| <b>If a top plug was run, was the plug bumped? (Yes/No/N/A)</b><br>If a top plug was run, was the plug bumped? (Yes/No/N/A)  | Yes |
| <b>If applicable, did the floats hold? (Yes/No/N/A)</b><br>If applicable, did the floats hold? (Yes/No/N/A)  | Yes |
| <b>Mixing Density of Job Stayed in Designed Density Range (0-100%)</b><br>Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100       | 98  |
| <b>Pump Rate (percent) of Job Stayed At Designed Pump Rate</b><br>Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100 | 98  |
| <b>If applicable, were there returns throughout the job? (Yes/No/N/A)</b><br>If applicable, were there returns throughout the job? (Yes/No/N/A)  | Y   |
| <b>Nbr of Remedial Plug Jobs Rqd - HES</b><br>Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES   | 0   |
| <b>Nbr of Remedial Sqz Jobs Rqd - HES</b><br>Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES   | 0   |