

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

RWF 533-25

**Nabors 577**

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 7/30/2014

Job Date: 7/27/2014

Submitted by: Tony Eschete - Cement Engineer

*The Road to Excellence Starts with Safety*

|  |  |                    |                    |                                   |  |                            |  |
|--|--|--------------------|--------------------|-----------------------------------|--|----------------------------|--|
| Sold To #: 300721                                  |  | Ship To #: 3123573 |                    | Quote #: 0021874349               |  | Sales Order #: 0901539318  |  |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS       |  |                    |                    | Customer Rep: Luke Hubbard        |  |                            |  |
| Well Name: SAVAGE                                  |  |                    | Well #: RWF 533-25 |                                   |  | API/UWI #: 05-045-21993-00 |  |
| Field: RULISON                                     |  | City (SAP): RIFLE  |                    | County/Parish: GARFIELD           |  | State: COLORADO            |  |
| Legal Description: SW SE-25-6S-94W-1154FSL-1391FEL |  |                    |                    |                                   |  |                            |  |
| Contractor: NABORS DRLG                            |  |                    |                    | Rig/Platform Name/Num: NABORS 577 |  |                            |  |
| Job BOM: 7521                                      |  |                    |                    |                                   |  |                            |  |
| Well Type: DIRECTIONAL GAS                         |  |                    |                    |                                   |  |                            |  |
| Sales Person: HALAMERICA\HB50180                   |  |                    |                    | Srvc Supervisor: Carlton Kukus    |  |                            |  |
| Job  |  |                    |                    |                                   |  |                            |  |

|                        |                       |
|------------------------|-----------------------|
| Formation Name         |                       |
| Formation Depth (MD)   | Top Bottom            |
| Form Type              | BHST                  |
| Job depth MD           | 1135ft Job Depth TVD  |
| Water Depth            | Wk Ht Above Floor 5ft |
| 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            | New        | 9.625   | 9.001 | 32.3          | 8 RD   | J-55  | 0         | 1135         | 0          | 1135          |
| Open Hole Section |            |         | 13.5  |               |        |       | 0         | 1145         | 0          | 1145          |

| Tools and Accessories |         |     |      |          |  |                |         |     |      |
|-----------------------|---------|-----|------|----------|--|----------------|---------|-----|------|
| Type                  | Size in | Qty | Make | Depth ft |  | Type           | Size in | Qty | Make |
| Guide Shoe            | 9.625   | 1   |      | 1135     |  | Top Plug       | 9.625   | 1   | HES  |
| Float Shoe            | 9.625   | 1   |      |          |  | Bottom Plug    | 9.625   |     | HES  |
| Float Collar          | 9.625   | 1   |      | 1088     |  | SSR plug set   | 9.625   |     | HES  |
| Insert Float          | 9.625   | 1   |      |          |  | Plug Container | 9.625   | 1   | HES  |
| Stage Tool            | 9.625   | 1   |      |          |  | Centralizers   | 9.625   |     | HES  |

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

| 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         | 20  | 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               | VariCem GJ1 | VARICEM (TM) CEMENT | 145 | sack    | 12.3                   | 2.38           |               | 8            | 13.77               |  |

| 13.70 Gal                            |                          | FRESH WATER              |       |         |                           |                   |                  |                 |                           |
|--------------------------------------|--------------------------|--------------------------|-------|---------|---------------------------|-------------------|------------------|-----------------|---------------------------|
| 0.25 lbm                             |                          | POLY-E-FLAKE (101216940) |       |         |                           |                   |                  |                 |                           |
|                                      |                          |                          |       |         |                           |                   |                  |                 |                           |
| Fluid #                              | Stage Type               | Fluid Name               | Qty   | Qty UoM | Mixing Density<br>lbm/gal | Yield<br>ft3/sack | Mix Fluid<br>Gal | Rate<br>bbl/min | Total Mix<br>Fluid<br>Gal |
| 3                                    | VariCem GJ1              | VARICEM (TM) CEMENT      | 165   | sack    | 12.8                      | 2.11              |                  | 8               | 11.77                     |
| 0.25 lbm                             |                          | POLY-E-FLAKE (101216940) |       |         |                           |                   |                  |                 |                           |
| 11.71 Gal                            |                          | FRESH WATER              |       |         |                           |                   |                  |                 |                           |
|                                      |                          |                          |       |         |                           |                   |                  |                 |                           |
| Fluid #                              | Stage Type               | Fluid Name               | Qty   | Qty UoM | Mixing Density<br>lbm/gal | Yield<br>ft3/sack | Mix Fluid<br>Gal | Rate<br>bbl/min | Total Mix<br>Fluid<br>Gal |
| 4                                    | Fresh Water Displacement | Fresh Water Displacement | 85.6  | bbl     | 8.34                      |                   |                  | 10              |                           |
|                                      |                          |                          |       |         |                           |                   |                  |                 |                           |
| Cement Left In Pipe                  |                          | Amount                   | 47 ft |         | Reason                    |                   | Shoe Joint       |                 |                           |
| Comment 15 BBLS OF CEMENT TO SURFACE |                          |                          |       |         |                           |                   |                  |                 |                           |

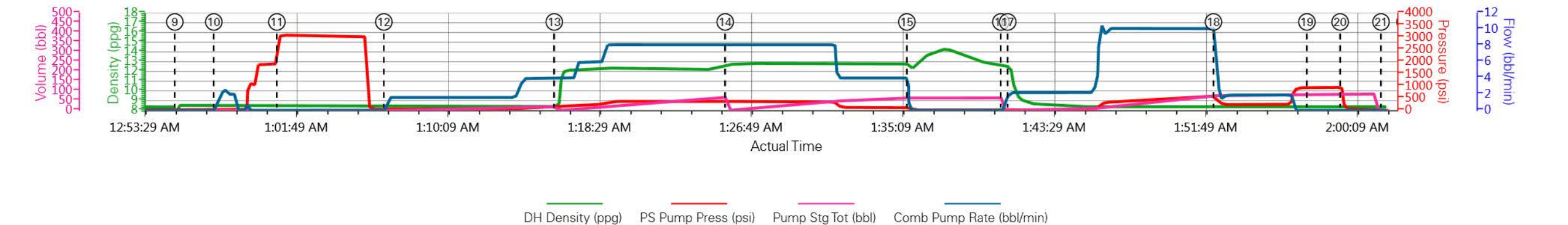
## 1.0 Real-Time Job Summary

## 1.1 Job Event Log

| Type  | Seq. No. | Activity                              | Date      | Time     | Source | DH Density (ppg) | PS Pump Press (psi) | Pump Stg Tot (bbl) | Comb Pump Rate (bbl/min) | Comment   |
|-------|----------|---------------------------------------|-----------|----------|--------|------------------|---------------------|--------------------|--------------------------|---|
| Event | 1        | Call Out                              | 7/26/2014 | 17:50:00 | USER   |                  |                     |                    |                          | HES CREW CALLED OUT AT 17:50  |
| Event | 2        | Pre-Convoy Safety Meeting             | 7/26/2014 | 19:00:00 | USER   |                  |                     |                    |                          | ALL HES EMPLOYEES   |
| Event | 3        | Crew Leave Yard                       | 7/26/2014 | 19:15:00 | USER   |                  |                     |                    |                          | 2-F-550 PICKUPS, 1-ELITE PUMP TRUCK, 1-660 BULK TRUCK   |
| Event | 4        | Arrive At Loc                         | 7/26/2014 | 21:30:00 | USER   |                  |                     |                    |                          | HES ARRIVED 30 MINS EARLY RIG WAS RUNNING CASING  |
| Event | 5        | Assessment Of Location Safety Meeting | 7/26/2014 | 21:45:00 | USER   |                  |                     |                    |                          | RIG WAS RUNNING CASING HES WAITED TO SPOT EQUIPMENT DUE TO SMALL LOCATION   |
| Event | 6        | Pre-Rig Up Safety Meeting             | 7/26/2014 | 23:30:00 | USER   |                  |                     |                    |                          | ALL HES EMPLOYEES   |
| Event | 7        | Rig-Up Equipment                      | 7/26/2014 | 23:45:00 | USER   |                  |                     |                    |                          | RIG UP IRON TO THE STAND PIPE, BULK HOSE TO THE BULK TRUCK AND WATER HOSE TO THE UPRIGHT AND DAY TANK                           |
| Event | 8        | Pre-Job Safety Meeting                | 7/27/2014 | 00:30:00 | USER   | 8.38             | 52.00               | 2.3                | 3.00                     | ALL HES EMPLOYEES AND RIG CREW TO GO OVER JOB PROCEDURES  |
| Event | 9        | Start Job                             | 7/27/2014 | 00:55:16 | COM5   | 8.17             | 22.00               | 0.0                | 0.00                     | TD: 1145FT TP: 1135FT SJ: 47FT OH: 13.5 CSG: 9.625 32.3# J-55 MUD WT: 10#   |
| Event | 10       | Prime Pumps                           | 7/27/2014 | 00:57:24 | USER   | 8.45             | 24.00               | 0.0                | 0.50                     | FILL LINES TO PRESSURE TEST   |
| Event | 11       | Test Lines                            | 7/27/2014 | 01:00:52 | USER   | 8.47             | 3060.00             | 2.0                | 0.00                     | PRESSURE TEST TO 3000 PSI, PRESSURE TEST OK   |
| Event | 12       | Pump Spacer 1                         | 7/27/2014 | 01:06:45 | COM5   | 8.39             | 144                 | 20                 | 4                        | 20 BBL FRESH WATER SPACER   |
| Event | 13       | Pump Lead Cement                      | 7/27/2014 | 01:16:07 | COM5   | 12.3             | 366                 | 67                 | 8                        | 145 SKS OF VARICEM CEMENT 12.3 PPG 2.38 YIELD 13.77 GAL/SK WEIGHT OF CEMENT VERIFIED VIA MUD SCALES THROUGHOUT LEAD CEMENT      |
| Event | 14       | Pump Tail Cement                      | 7/27/2014 | 01:25:31 | COM5   | 12.8             | 367                 | 64                 | 8                        | 165 SKS OF VARICEM CEMENT 12.8 PPG 2.11 YIELD 11.77 GAL/SK WEIGHT OF TAIL CEMENT VERIFIED VIA MUD SCALES THROUGHOUT TAIL CEMENT |
| Event | 15       | Shutdown                              | 7/27/2014 | 01:35:31 | USER   | 12.54            | 79.00               | 64.1               | 0.00                     | SHUTDOWN END OF CEMENT/HES WASHED UP ON TOP OF THE PLUG   |
| Event | 16       | Drop Plug                             | 7/27/2014 | 01:40:41 | USER   | 12.66            | 13.00               | 0.0                | 0.00                     | PLUG AWAY NO PROBLEMS   |

|       |    |                             |           |          |      |      |      |      |      |  |
|-------|----|-----------------------------|-----------|----------|------|------|------|------|------|--|
| Event | 17 | Pump Displacement           | 7/27/2014 | 01:41:03 | COM5 | 8.34 | 579  | 75   | 10   | FRESH WATER DISPLACEMENT   |
| Event | 18 | Slow Rate                   | 7/27/2014 | 01:52:22 | USER | 8.39 | 249  | 76.5 | 2    | SLOW RATE TO BUMP THE PLUG                                       |
| Event | 19 | Bump Plug                   | 7/27/2014 | 01:57:30 | COM5 | 8.40 | 256  | 85.6 | 0.00 | BUMPED PLUG AT 256 PSI TOOK TO 960 PSI                           |
| Event | 20 | Check Floats                | 7/27/2014 | 01:59:20 | USER | 8.40 | 960  | 85.6 | 0.00 | FLOATS HELD .5 BBLS BACK TO TANKS                                |
| Event | 21 | End Job                     | 7/27/2014 | 02:01:35 | COM5 | 8.38 | 5.00 | 0.0  | 0.00 | THANK YOU FOR CHOOSING HALLIBURTON CEMENT<br>CARL KUKUS AND CREW |
| Event | 22 | Pre-Rig Down Safety Meeting | 7/27/2014 | 02:02:54 | USER |      |      |      |      | ALL HES CREW   |
| Event | 23 | Rig Down Lines              | 7/27/2014 | 02:15:00 | USER |      |      |      |      | RIG DOWN ALL EQUIPMENT AND PUT AWAY AND<br>SECURE                |
| Event | 24 | Pre-Convoy Safety Meeting   | 7/27/2014 | 02:45:00 | USER |      |      |      |      | ALL HES EMPLOYEES  |
| Event | 25 | Crew Leave Location         | 7/27/2014 | 03:00:00 | USER |      |      |      |      | 2-F-550 PICKUPS, 1-ELITE PUMP TRUCK, 1-660 BULK<br>TRUCK         |

# WPX/SAVAGE RWF 533-25/901539318/SURFACE



- |   |                                      |  |
|---|--------------------------------------|--|
| ① Call Out n/a;n/a;n/a;n/a                              | ⑩ Fill Lines 8.45;24;0;0.5           | ⑲ Bump Plug 8.4;943;84.4;0                     |
| ② Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a             | ⑪ Test Lines 8.47;3060;2;0           | 20 Check Floats 8.4;514;84.4;0                 |
| ③ Crew Leave Yard n/a;n/a;n/a;n/a                       | ⑫ Pump Spacer 1 8.39;36;0;0          | 21 End Job 8.38;5;0;0                          |
| ④ Arrive At Loc n/a;n/a;n/a;n/a                         | ⑬ Pump Lead Cement 8.4;144;0.03;4    | 22 Pre-Rig Down Safety Meeting n/a;n/a;n/a;n/a |
| ⑤ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a | ⑭ Pump Tail Cement 12.69;356;0.2;8.1 | 23 Rig Down Lines n/a;n/a;n/a;n/a              |
| ⑥ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a             | ⑮ Shutdown 12.54;79;64.1;0           | 24 Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a   |
| ⑦ Rig-Up Equipment n/a;n/a;n/a;n/a                      | ⑯ Drop Plug 12.66;13;0;0             | 25 Crew Leave Location n/a;n/a;n/a;n/a         |
| ⑧ Pre-Job Safety Meeting 8.38;52;2.3;3                  | ⑰ Pump Displacement 12.39;36;0.5;2.2 |  |
| ⑨ Start Job 8.17;22;0;0                                 | ⑱ Slow Rate 8.39;492;76.2;5.1        |  |

▼ **HALLIBURTON** | iCem® Service

Created: 2014-07-26 22:08:53, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 7/27/2014 12:27:41 AM

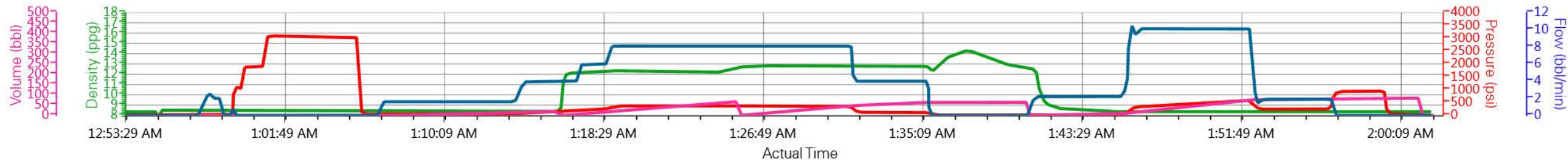
Well: Savage RWF 533-25

Representative: Luke Hubbard

Sales Order #: 901539318

Supervisor/Operator: Carlton Kukus/Kevin Bennett E-7

# WPX/SAVAGE RWF 533-25/901539318/SURFACE



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

▼ **HALLIBURTON** | iCem® Service

Created: 2014-07-26 22:08:53, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 7/27/2014 12:27:41 AM

Well: Savage RWF 533-25

Representative: Luke Hubbard

Sales Order #: 901539318

Supervisor/Operator: Carlton Kukus/Kevin Bennett E-7

| EVENT #                     | EVENT                  | VOLUME                                | SACKS               | WEIGHT             | YIELD     | GAL/ SK  |
|-----------------------------|------------------------|---------------------------------------|---------------------|--------------------|-----------|----------|
| 1                           | Start Job              |                                       |                     |                    |           |          |
| 6                           | Test Lines             | 3000.0                                |                     |                    |           |          |
|                             | Fresh Water Spacer     | 20.0                                  |                     | 8.33               |           |          |
|                             | Lead Cement            | 61.5                                  | 145                 | 12.3               | 2.38      | 13.77    |
| 15                          | Tail Cement            | 62.0                                  | 165                 | 12.8               | 2.11      | 11.77    |
|                             | SHUTDOWN/DROP PLUG     | 0.0                                   |                     |                    |           |          |
| 23                          | Displace w/Fresh Water | 85.6                                  |                     | 8.34               |           |          |
|                             | SLOW RATE              | 75.6                                  |                     |                    |           |          |
| 26                          | Land Plug              | 271.0                                 |                     | 500                | OVER      |          |
| 2                           | Release Psi / Job Over | 0.0                                   |                     |                    |           |          |
|                             |                        |                                       |                     |                    |           |          |
|                             |                        |                                       | Do Not Overdisplace |                    |           |          |
| DISPLACEMENT                | TOTAL PIPE             | SHOE JOINT LENGTH                     |                     | FLOAT COLLAR       | BBL/FT    | H2O REQ. |
| 85.63                       | 1135                   | 47.00                                 |                     | 1088.00            | 0.0787    | 199      |
| PSI to Lift Pipe            | 461                    | *****Use Mud Scales on Each Tier***** |                     |                    |           |          |
| Total Displacement          | 85.60                  |                                       |                     |                    |           |          |
| CALCULATED DIFFERENTIAL PSI |                        | 271                                   |                     | TOTAL FLUID PUMPED |           | 229      |
| Collapse                    |                        | Burst                                 |                     | SO#                | 901539318 |          |



# HALLIBURTON

## Water Analysis Report

Company: WPX

Submitted by: Carl Kukus

Attention: J.Trout

Lease SAVAGE

Well # RWF 533-25

Date: 7/26/2014

Date Rec.: 7/26/2014

S.O.# 901539318

Job Type: Surface

|                             |              |                   |
|-----------------------------|--------------|-------------------|
| Specific Gravity            | <i>MAX</i>   | <b>1</b>          |
| pH                          | <i>8</i>     | <b>7</b>          |
| Potassium (K)               | <i>5000</i>  | <b>200</b> Mg / L |
| Calcium (Ca)                | <i>500</i>   | <b>120</b> Mg / L |
| Iron (FE2)                  | <i>300</i>   | <b>3</b> Mg / L   |
| Chlorides (Cl)              | <i>3000</i>  | <b>0</b> Mg / L   |
| Sulfates (SO <sub>4</sub> ) | <i>1500</i>  | <b>200</b> Mg / L |
| Chlorine (Cl <sub>2</sub> ) |              | <b>0</b> Mg / L   |
| Temp                        | <i>40-80</i> | <b>67</b> Deg     |
| Total Dissolved Solids      |              | <b>250</b> Mg / L |

Respectfully: Carl Kukus

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 if

|  |                                |   |
|--|--------------------------------|---|
| <b>Sales Order #:</b><br>0901539318                    | <b>Line Item:</b><br>10        | <b>Survey Conducted Date:</b><br>7/27/2014                    |
| <b>Customer:</b><br>WPX ENERGY ROCKY MOUNTAIN LLC-EBUS |                                | <b>Job Type (BOM):</b><br>CMT SURFACE CASING BOM              |
| <b>Customer Representative:</b><br>LUKE HUBBARD        |                                | <b>API / UWI: (leave blank if unknown)</b><br>05-045-21993-00 |
| <b>Well Name:</b><br>SAVAGE                            |                                | <b>Well Number:</b><br>0080125648                             |
| <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                              | 7/27/2014    |
| Survey Interviewer      | The survey interviewer is the person who initiated the survey. | HB44726      |
| Customer Participation  | Did the customer participate in this survey? (Y/N)             | Yes          |
| Customer Representative | Enter the Customer representative name                         | LUKE HUBBARD |
| 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>0901539318                    | <b>Line Item:</b><br>10        | <b>Survey Conducted Date:</b><br>7/27/2014                    |
| <b>Customer:</b><br>WPX ENERGY ROCKY MOUNTAIN LLC-EBUS |                                | <b>Job Type (BOM):</b><br>CMT SURFACE CASING BOM              |
| <b>Customer Representative:</b><br>LUKE HUBBARD        |                                | <b>API / UWI: (leave blank if unknown)</b><br>05-045-21993-00 |
| <b>Well Name:</b><br>SAVAGE                            |                                | <b>Well Number:</b><br>0080125648                             |
| <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><br>The date the survey was conducted | 7/27/2014 |

| Cementing KPI Survey  |                         |
|---|-------------------------|
| <b>Type of Job</b><br>Select the type of job. (Cementing or Non-Cementing)  | 0                       |
| <b>Select the Maximum Deviation range for this Job</b><br>What is the highest deviation for the job you just completed? This may not be the maximum well deviation. | Vertical                |
| <b>Total Operating Time (hours)</b><br>Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.  | 3                       |
| <b>HSE Incident, Accident, Injury</b><br>HSE Incident, Accident, Injury. This should be recordable incidents only.  | No                      |
| <b>Was the job purpose achieved?</b><br>Was the job delivered correctly as per customer agreed design?  | Yes                     |
| <b>Pumping Hours</b><br>Total number of hours pumping fluid on this job. Enter in decimal format.   | 1                       |
| <b>Type of Rig Classification Job Was Performed</b><br>Type Of Rig (classification) Job Was Performed On  | Drilling Rig (Portable) |
| <b>Number Of JSAs Performed</b><br>Number Of Jsas Performed   | 6                       |
| <b>Was this a Primary Cement Job (Yes / No)</b><br>Primary Cement Job= Casing job, Liner job, or Tie-back job.  | Yes                     |
| <b>Number of Unplanned Shutdowns</b><br>Unplanned shutdown is when injection stops for any period of time.  | 0                       |
| <b>Customer Non-Productive Rig Time (hrs)</b>   | 0                       |

|  |                                |   |
|--|--------------------------------|---|
| <b>Sales Order #:</b><br>0901539318                    | <b>Line Item:</b><br>10        | <b>Survey Conducted Date:</b><br>7/27/2014                    |
| <b>Customer:</b><br>WPX ENERGY ROCKY MOUNTAIN LLC-EBUS |                                | <b>Job Type (BOM):</b><br>CMT SURFACE CASING BOM              |
| <b>Customer Representative:</b><br>LUKE HUBBARD        |                                | <b>API / UWI: (leave blank if unknown)</b><br>05-045-21993-00 |
| <b>Well Name:</b><br>SAVAGE                            |                                | <b>Well Number:</b><br>0080125648                             |
| <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, was Halliburton float equipment used? (Yes/No/N/A)</b><br>If applicable, was Halliburton float equipment used? (Yes/No/N/A)  | N/A |
| <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       | 90  |
| <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 | 8   |
| <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)  | YES |
| <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   |