

**HALLIBURTON**

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**WPX ENERGY ROCKY MOUNTAIN LLC-EBUS**

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SG 41-22  
GARND VAILLEY  
Garfield County , Colorado

**Cement Surface Casing**

26-Aug-2013

**Post Job Report**

*The Road to Excellence Starts with Safety*

|  |                           |                                 |                          |
|--|---------------------------|---------------------------------|--------------------------|
| Sold To #: 300721                            | Ship To #: 3097021        | Quote #:                        | Sales Order #: 900693466 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS |                           | Customer Rep:                   |                          |
| Well Name: SG                                | Well #: 41-22             | API/UWI #:                      |                          |
| Field: GARND VAILLEY                         | City (SAP): PARACHUTE     | County/Parish: Garfield         | State: Colorado          |
| Contractor: CYCLONE 17                       | Rig/Platform Name/Num: 17 |                                 |                          |
| Job Purpose: Cement Surface Casing           |                           |                                 |                          |
| Well Type: Development Well                  |                           | Job Type: Cement Surface Casing |                          |
| Sales Person: GANT, RICHARD                  |                           | Srvc Supervisor: KEANE, JOHN    | MBU ID Emp #: 486519     |

**Job Personnel**

| HES Emp Name   | Exp Hrs | Emp #  | HES Emp Name           | Exp Hrs | Emp #  | HES Emp Name             | Exp Hrs | Emp #  |
|----------------|---------|--------|------------------------|---------|--------|--------------------------|---------|--------|
| BANKS, BRENT A | 0.0     | 371353 | KEANE, JOHN<br>Donovon | 0.0     | 486519 | SMITH, DUSTIN<br>Michael | 0.0     | 418015 |

**Equipment**

| HES Unit # | Distance-1 way |
|------------|----------------|------------|----------------|------------|----------------|------------|----------------|
| 10551730C  | 60 mile        | 10867322   | 60 mile        | 10998512   | 60 mile        | 11259881   | 60 mile        |
| 11808829   | 60 mile        |            |                |            |                |            |                |

**Job Hours**

| Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours | Date | On Location Hours | Operating Hours |
|------|-------------------|-----------------|------|-------------------|-----------------|------|-------------------|-----------------|
|      |                   |                 |      |                   |                 |      |                   |                 |

TOTAL Total is the sum of each column separately

**Job**

**Job Times**

| Formation Name              | Formation Depth (MD) Top | Bottom            | Called Out    | Date            | Time  | Time Zone |
|-----------------------------|--------------------------|-------------------|---------------|-----------------|-------|-----------|
| Form Type                   |                          | BHST              | On Location   | 26 - Aug - 2013 | 15:45 | MST       |
| Job depth MD                | 1254. ft                 | Job Depth TVD     | Job Started   | 26 - Aug - 2013 | 20:33 | MST       |
| Water Depth                 |                          | Wk Ht Above Floor | Job Completed | 26 - Aug - 2013 | 21:28 | MST       |
| Perforation Depth (MD) From |                          | To                | Departed Loc  | 26 - Aug - 2013 | 22:30 | MST       |

**Well Data**

| Description             | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|-------------------------|------------|-------------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| OPEN HOLE               |            |                   |         | 13.5  |               |        |       | .         | 1265.        | .          | 1265.         |
| 9.625 IN SURFACE CASING | Unknown    |                   | 9.625   | 9.001 | 32.3          |        | H-40  | .         | 1254.6       | .          | 1254.6        |

**Tools and Accessories**

| Type         | Size | Qty | Make | Depth | Type        | Size | Qty | Make | Depth | Type           | Size | Qty | Make |
|--------------|------|-----|------|-------|-------------|------|-----|------|-------|----------------|------|-----|------|
| Guide Shoe   |      |     |      |       | Packer      |      |     |      |       | Top Plug       |      |     |      |
| Float Shoe   |      |     |      |       | Bridge Plug |      |     |      |       | Bottom Plug    |      |     |      |
| Float Collar |      |     |      |       | Retainer    |      |     |      |       | SSR plug set   |      |     |      |
| Insert Float |      |     |      |       |             |      |     |      |       | Plug Container |      |     |      |
| Stage Tool   |      |     |      |       |             |      |     |      |       | Centralizers   |      |     |      |

**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 ft <sup>3</sup> /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
|                 |            |            |     |         |                        |                           |                  |              |                        |

Stage/Plug #: 1

| Stage/Plug #: 1                          |                          |                               |        |                                   |                        |                           |                  |              |                        |
|--|--------------------------|-------------------------------|--------|-----------------------------------|------------------------|---------------------------|------------------|--------------|------------------------|
| Fluid #                                  | Stage Type               | Fluid Name                    | Qty    | Qty uom                           | Mixing Density lbm/gal | Yield ft <sup>3</sup> /sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
| 1  | Fresh Water Spacer       |                               | 20.00  | bbl                               | .                      | .0                        | .0               | .0           |                        |
| 2  | VariCem GJ1 Lead Cement  | VARICEM (TM) CEMENT (452009)  | 150.0  | sacks                             | 12.3                   | 2.38                      | 13.75            |              | 13.75                  |
|  | 13.75 Gal                | FRESH WATER                   |        |                                   |                        |                           |                  |              |                        |
| 3  | VariCem GJ1 Tail Cement  | VERSACEM (TM) SYSTEM (452010) | 160.0  | sacks                             | 12.8                   | 2.11                      | 11.75            |              | 11.75                  |
|  | 11.75 Gal                | FRESH WATER                   |        |                                   |                        |                           |                  |              |                        |
| 4  | Fresh Water Displacement |                               | 95.00  | bbl                               | .                      | .0                        | .0               | .0           |                        |
| Calculated Values                        |                          | Pressures                     |        | Volumes                           |                        |                           |                  |              |                        |
| Displacement                             |                          | Shut In: Instant              |        | Lost Returns                      |                        | Cement Slurry             |                  | Pad          |                        |
| Top Of Cement                            |                          | 5 Min                         |        | Cement Returns                    |                        | Actual Displacement       |                  | Treatment    |                        |
| Frac Gradient                            |                          | 15 Min                        |        | Spacers                           |                        | Load and Breakdown        |                  | Total Job    |                        |
| Rates                                    |                          |                               |        |                                   |                        |                           |                  |              |                        |
| Circulating                              |                          | Mixing                        |        | Displacement                      |                        | Avg. Job                  |                  |              |                        |
| Cement Left In Pipe                      | Amount                   | 47.3 ft                       | Reason | Shoe Joint                        |                        |                           |                  |              |                        |
| Frac Ring # 1 @                          | ID                       | Frac ring # 2 @               | ID     | Frac Ring # 3 @                   | ID                     | Frac Ring # 4 @           | ID               |              |                        |
| The Information Stated Herein Is Correct |                          |                               |        | Customer Representative Signature |                        |                           |                  |              |                        |

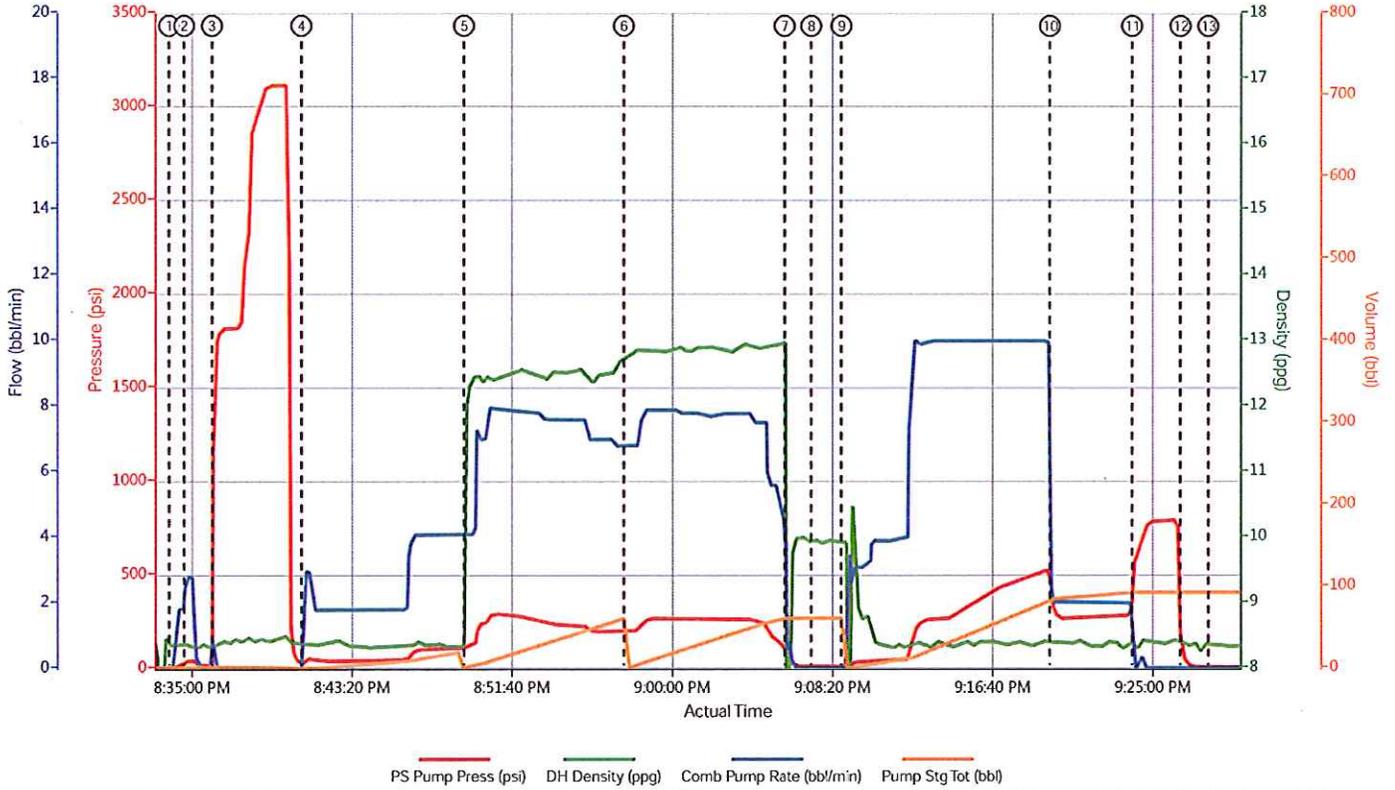
*The Road to Excellence Starts with Safety*

|  |                       |                                 |                          |
|--|-----------------------|---------------------------------|--------------------------|
| Sold To #: 300721                            | Ship To #: 3097021    | Quote #:                        | Sales Order #: 900693466 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS |                       | Customer Rep:                   |                          |
| Well Name: SG                                | Well #: 41-22         | API/UWI #:                      |                          |
| Field: GARND VAILLEY                         | City (SAP): PARACHUTE | County/Parish: Garfield         | State: Colorado          |
| Legal Description:                           |                       |                                 |                          |
| Lat:   |                       | Long:                           |                          |
| Contractor: CYCLONE 17                       |                       | Rig/Platform Name/Num: 17       |                          |
| Job Purpose: Cement Surface Casing           |                       |                                 | Ticket Amount:           |
| Well Type: Development Well                  |                       | Job Type: Cement Surface Casing |                          |
| Sales Person: GANT, RICHARD                  |                       | Srvc Supervisor: KEANE, JOHN    | MBU ID Emp #: 486519     |

| Activity Description                  | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments   |
|---------------------------------------|---------------------|-------|--------------|------------|-------|---------------|--------|--|
|                                       |                     |       |              | Stage      | Total | Tubing        | Casing |  |
| Call Out                              | 08/26/2013<br>11:30 |       |              |            |       |               |        |  |
| Pre-Convoy Safety Meeting             | 08/26/2013<br>14:20 |       |              |            |       |               |        | WITH HES   |
| Arrive At Loc                         | 08/26/2013<br>15:45 |       |              |            |       |               |        | RIG PULLING DRILL PIPE UPON HES ARRIVAL  |
| Assessment Of Location Safety Meeting | 08/26/2013<br>15:55 |       |              |            |       |               |        | WITH HES   |
| Pre-Rig Up Safety Meeting             | 08/26/2013<br>18:30 |       |              |            |       |               |        | WITH HES   |
| Rig-Up Equipment                      | 08/26/2013<br>18:45 |       |              |            |       |               |        |  |
| Pre-Job Safety Meeting                | 08/26/2013<br>20:16 |       |              |            |       |               |        | WITH HES, WPX AND CYCLONE 17   |
| Start Job                             | 08/26/2013<br>20:33 |       |              |            |       |               |        | TP 1254.57 FT, TD 1265 FT, SHOE 43.57 FT, HOLE 13.5 IN, CSG 9.625 IN 32.3 LB/FT H-40, MWT 10.3 LB/GAL, RIG CIRCULATING AT 13.4 BBL/MIN |
| Pump Water                            | 08/26/2013<br>20:34 |       | 2            | 2          |       |               | 53.0   | FILL LINES   |
| Test Lines                            | 08/26/2013<br>20:36 |       |              |            |       |               |        | LOW TEST AT 1819 PSI, HIGH TEST AT 3112 PSI, PRESSURE HOLDING  |
| Pump Spacer                           | 08/26/2013<br>20:40 |       | 4            | 20         |       |               | 163.0  | FRESH WATER  |
| Activity Description                  | Date/Time           | Cht # | Rate bbl/min | Volume bbl |       | Pressure psig |        | Comments   |
|                                       |                     |       |              | Stage      | Total | Tubing        | Casing |  |

|   |                     |  |    |      |  |  |       |   |
|---|---------------------|--|----|------|--|--|-------|---|
| Pump Lead Cement                          | 08/26/2013<br>20:49 |  | 8  | 63.6 |  |  | 240.0 | MIXED AT 12.3LB/GAL,<br>150 SKS, 2.38 FT3/SK,<br>13.75 GAL/SK,<br>DENSITY VERIFIED<br>USING PRESSURIZED<br>MUD SCALES   |
| Pump Tail Cement                          | 08/26/2013<br>20:57 |  | 8  | 60   |  |  | 278.0 | MIXED AT 12.8 LB/GAL,<br>160 SKS, 2.11 FT3/SK,<br>11.75 GAL/SK,<br>DENSITY VERIFIED<br>USING PRESSURIZED<br>MUD SCALES  |
| Shutdown                                  | 08/26/2013<br>21:05 |  |    |      |  |  |       |   |
| Drop Plug                                 | 08/26/2013<br>21:07 |  |    |      |  |  |       | PLUG LAUNCHED   |
| Pump Displacement                         | 08/26/2013<br>21:08 |  | 10 | 85   |  |  | 517.0 | FRESH WATER   |
| Slow Rate                                 | 08/26/2013<br>21:19 |  | 2  | 10   |  |  | 275.0 | SLOWED AT 85 BBL<br>AWAY  |
| Bump Plug                                 | 08/26/2013<br>21:24 |  | 2  |      |  |  | 313.0 | PLUG BUMPED AT<br>CALCULATED<br>DISPLACEMENT  |
| Check Floats                              | 08/26/2013<br>21:26 |  |    |      |  |  |       | FLOATS HOLDING, .5<br>BBL RETURNED TO<br>THE TRUCK  |
| End Job                                   | 08/26/2013<br>21:28 |  |    |      |  |  |       | GOOD CIRCULATION<br>THROUGHOUT THE<br>JOB, PIPE WAS<br>STATIC THROUGHOUT<br>THE JOB, NO<br>DERRICK CHARGE,<br>NO ADD HOURS<br>CHARGED, RIG USED<br>80 LBS OF SUGAR, 20<br>BBL OF CEMENT<br>CIRCULATED TO<br>SURFACE |
| Post-Job Safety Meeting (Pre<br>Rig-Down) | 08/26/2013<br>21:35 |  |    |      |  |  |       | WITH HES  |
| Rig-Down Equipment                        | 08/26/2013<br>21:40 |  |    |      |  |  |       |   |
| Pre-Convoy Safety Meeting                 | 08/26/2013<br>22:20 |  |    |      |  |  |       | WITH HES  |
| Crew Leave Location                       | 08/26/2013<br>22:30 |  |    |      |  |  |       |   |
| Comment                                   | 08/26/2013<br>22:31 |  |    |      |  |  |       | THANKS FOR USING<br>HALLIBURTON, JOHN<br>KEANE AND CREW   |

WPX - SG-41-22- 9.625 IN. SURFACE



- Start Job
- Fill Lines
- Test Lines
- Fresh Water Spacer
- Pump Lead Cement
- Pump Tail Cement
- Shutdown
- Drop Top Plug
- Pump Displacement
- Slow Rate
- Bump Plug
- Check Floats
- End Job

▼ Halliburton | iCem Service®

Created: 2013-08-26 20:09:58 , Version: 1.4.96

Edit

Customer : WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date : 8/26/2013 8:11:15 PM

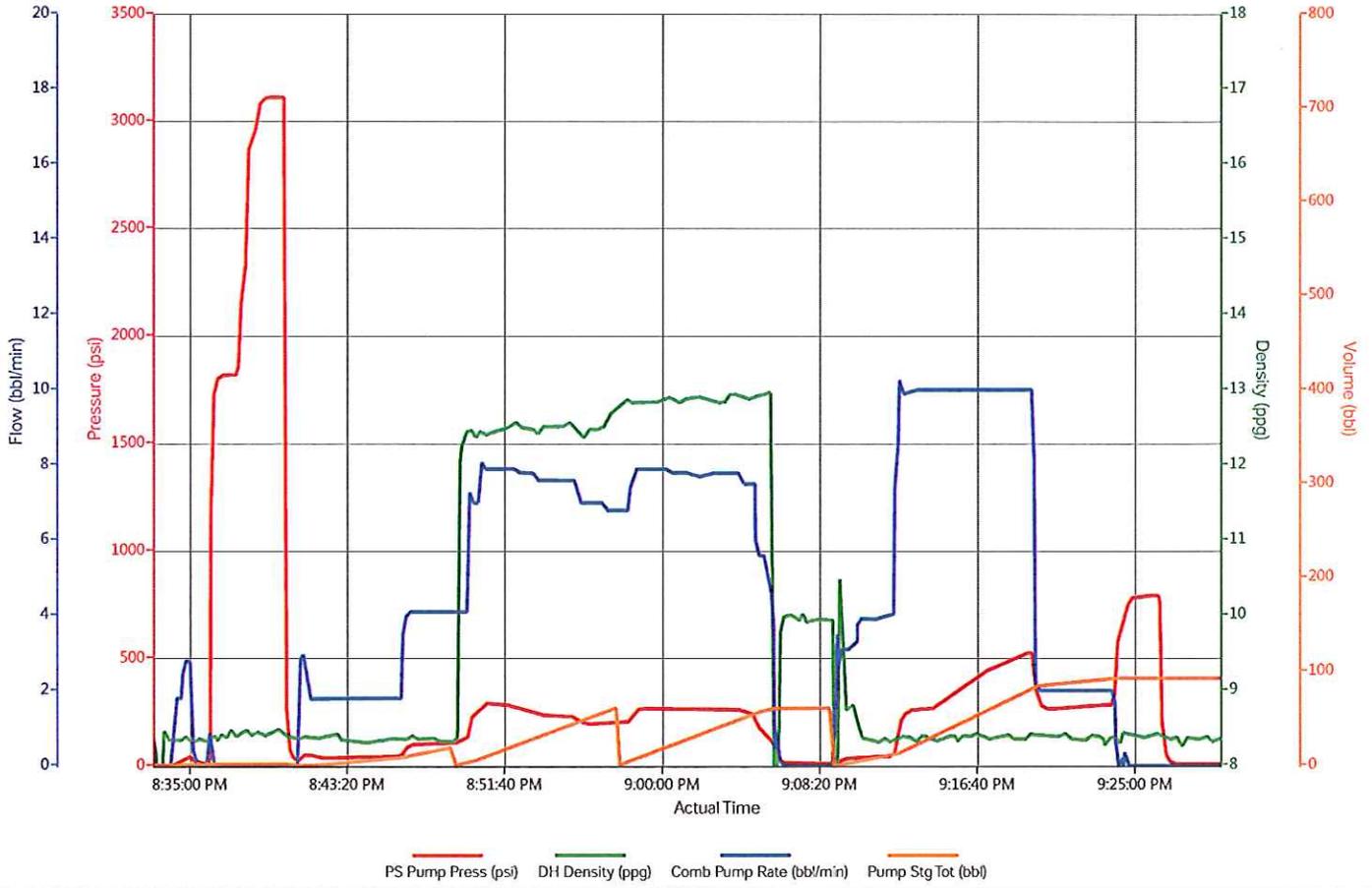
Well : SG-41-22

Representative : AL DUNIHO

Sales Order # : 900693466

SUPERVISOR / ELITE : JOHN KEANE / BRENT BANKS

WPX - SG-41-22- 9.625 IN. SURFACE



▼ Halliburton | iCem Service®

Created 2013-08-26 20:09:58 , Version:1.4.96

Edit

Customer : WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date : 8/26/2013 8:11:15 PM

Well : SG-41-22

Representative : AL DUNIHO

Sales Order # : 900693466

SUPERVISOR / ELITE : JOHN KEANE / BRENT BANKS  
2

# HALLIBURTON

## Water Analysis Report

Company: WPX  
Submitted by: JOHN KEANE  
Attention: CHUCK ROSS  
Lease: SG  
Well #: 41-22

Date: 8/26/2013  
Date Rec.: 8/26/2013  
S.O.#: 900693466  
Job Type: SURFACE

|                             |              |                       |
|-----------------------------|--------------|-----------------------|
| Specific Gravity            | <i>MAX</i>   | <b>1</b>              |
| pH                          | <i>8</i>     | <b>7.6</b>            |
| Potassium (K)               | <i>5000</i>  | <b>100 Mg / L</b>     |
| Calcium (Ca)                | <i>500</i>   | <b>120 Mg / L</b>     |
| Iron (FE2)                  | <i>300</i>   | <b>3 Mg / L</b>       |
| Chlorides (Cl)              | <i>3000</i>  | <b>500 Mg / L</b>     |
| Sulfates (SO <sub>4</sub> ) | <i>1500</i>  | <b>&lt;200 Mg / L</b> |
| Chlorine (Cl <sub>2</sub> ) |              | <b>0 Mg / L</b>       |
| Temp                        | <i>40-80</i> | <b>68 Deg</b>         |
| Total Dissolved Solids      |              | <b>520 Mg / L</b>     |

Respectfully: JOHN KEANE

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>900693466                     | <b>Line Item:</b><br>10                          | <b>Survey Conducted Date:</b><br>8/27/2013                        |
| <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>AL DUNIHO           |  | <b>API / UWI: (leave blank if unknown)</b><br>AFEYKCJIDLKZAJE4AAA |
| <b>Well Name:</b><br>SG                                |  | <b>Well Number:</b><br>41-22                                      |
| <b>Well Type:</b><br>Development Well                  | <b>Well Country:</b><br>United States of America |   |
| <b>H2S Present:</b>                                    | <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                              | 8/27/2013               |
| Survey Interviewer      | The survey interviewer is the person who initiated the survey. | JOHN KEANE<br>(HB58526) |
| Customer Participation  | Did the customer participate in this survey? (Y/N)             | Yes                     |
| Customer Representative | Enter the Customer representative name                         | AL DUNIHO               |
| 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   | GOD JOB MEN !           |

|                    |
|--------------------|
| CUSTOMER SIGNATURE |
|--------------------|

|  |  |   |
|--|--|---|
| <b>Sales Order #:</b><br>900693466                     | <b>Line Item:</b><br>10                          | <b>Survey Conducted Date:</b><br>8/27/2013                        |
| <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>AL DUNIHO           |  | <b>API / UWI: (leave blank if unknown)</b><br>AFEYKCJIDLKZAJE4AAA |
| <b>Well Name:</b><br>SG                                |  | <b>Well Number:</b><br>41-22                                      |
| <b>Well Type:</b><br>Development Well                  | <b>Well Country:</b><br>United States of America |   |
| <b>H2S Present:</b>                                    | <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 | 8/27/2013 |

| 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>Operating Hours (Pumping Hours)</b><br>Total number of hours pumping fluid on this job. Enter in decimal format.  | 1                       |
| <b>Customer Non-Productive Rig Time (hrs)</b><br>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. | 0                       |
| <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>Number of Unplanned Shutdowns</b><br>Unplanned shutdown is when injection stops for any period of time.   | 0                       |
| <b>Was this a Primary Cement Job (Yes / No)</b>  | Yes                     |

|  |  |   |
|--|--|---|
| <b>Sales Order #:</b><br>900693466                     | <b>Line Item:</b><br>10                          | <b>Survey Conducted Date:</b><br>8/27/2013                        |
| <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>AL DUNIHO           |  | <b>API / UWI: (leave blank if unknown)</b><br>AFEYKCJIDLKZAJE4AAA |
| <b>Well Name:</b><br>SG                                |  | <b>Well Number:</b><br>41-22                                      |
| <b>Well Type:</b><br>Development Well                  | <b>Well Country:</b><br>United States of America |   |
| <b>H2S Present:</b>                                    | <b>Well State:</b><br>Colorado                   | <b>Well County:</b><br>Garfield                                   |

|  |     |
|--|-----|
| Primary Cement Job= Casing job, Liner job, or Tie-back job.  |     |
| <b>Did We Run Wiper Plugs?</b><br>Did We Run Top And Bottom Casing Wiper Plugs?  | Top |
| <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       | 96  |
| <b>Was Automated Density Control Used?</b><br>Was Automated Density Control (ADC) Used ?   | Yes |
| <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 | 96  |
| <b>Nbr of Remedial Sqz Jobs Rqd - Competition</b><br>Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition   | 0   |
| <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   |