

HALLIBURTON

Cementing

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

RGU 44-24-198

Cyclone 29

Post Job Summary
Cement Surface Casing

Date Prepared: 07/15/2014
Job Date: 07/11/2014

Submitted by: Aaron Katz – Grand Junction Cement Engineer

HALLIBURTON

The Road to Excellence Starts with Safety

| | | | |
|--|----------------------------|-----------------------------------|---------------------------|
| Sold To #: 300721 | Ship To #: 3276460 | Quote #: | Sales Order #: 0901498913 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS | Customer Rep: TED RAGSDALE | | |
| Well Name: FEDERAL | Well #: RGU 44-24-198 | API/UWI #: 05-103-12083-00 | |
| Field: SULPHUR CREEK | City (SAP): MEEKER | County/Parish: RIO BLANCO | State: COLORADO |
| Legal Description: 24-1S-98W-2111FSL-1673FEL | | | |
| Contractor: CYCLONE | | Rig/Platform Name/Num: CYCLONE 29 | |
| Job BOM: 392189 | | | |
| Well Type: DIRECTIONAL GAS | | | |
| Sales Person: HALAMERICA\HAL7171 | | Srcv Supervisor: Thomas Ponder | |
| Job | | | |

| | | | |
|------------------------|--------|--|------------------------|
| Formation Name | | | |
| Formation Depth (MD) | Top | | Bottom |
| Form Type | | | BHST 115 degF |
| Job depth MD | 3949ft | | Job Depth TVD |
| Water Depth | | | Wk Ht Above Floor 3 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 |
|-------------------|------------|---------|-------|---------------|--------|-------|-----------|--------------|------------|---------------|
| Open Hole Section | | | 14.75 | | | | 0 | 1750 | | 0 |
| Casing | | 9.625 | 8.921 | 36 | | J-55 | 0 | 3949 | | 0 |
| Open Hole Section | | | 13.5 | | | | 1750 | 3949 | 0 | 0 |

Tools and Accessories

| Type | Size in | Qty | Make | Depth ft | Type | Size in | Qty | Make |
|--------------|---------|-----|------|----------|----------------|---------|-----|------|
| Guide Shoe | 9.625 | | | | Top Plug | 9.625 | | |
| Float Shoe | 9.625 | 1 | | 3949 | Bottom Plug | 9.625 | | |
| Float Collar | 9.625 | | | 3920.4 | SSR plug set | 9.625 | | |
| Insert Float | 9.625 | | | | Plug Container | 9.625 | 1 | HES |
| Stage Tool | 9.625 | 1 | | 1799 | Centralizers | 9.625 | | |

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 ³ /sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal | |
| 1 | Fresh Water | Fresh Water | 20 | bbl | 8.3 | | | 4 | | |
| Fluid # | Stage Type | Fluid Name | Qty | Qty UoM | Mixing Density lbm/gal | Yield ft ³ /sack | Mix Fluid Gal | Rate bbl/min | Total Mix Fluid Gal | |

| | | | | | | | | | |
|----------------------------|------------------------|----------------------|------------|----------------|-------------------------------|-----------------------|----------------------|---------------------|----------------------------|
| 2 | Stage 1 HLC Lead | ECONOCEM (TM) SYSTEM | 630 | sack | 12.8 | 1.11 | | 8 | 9.31 |
| FRESH WATER | | | | | | | | | |
| HR-5, 50 LB SK (100005050) | | | | | | | | | |
| POLY-E-FLAKE (101216940) | | | | | | | | | |
| 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 |
| 3 | Stage 1 VariCem Tail | VARICEM (TM) CEMENT | 245 | sack | 12.8 | 1.96 | | 8 | 10.93 |
| FRESH WATER | | | | | | | | | |
| POLY-E-FLAKE (101216940) | | | | | | | | | |
| 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 |
| 4 | Displacement | Displacement | 302.5 | bbl | 8.3 | | | 10 | |
| Cement Left In Pipe | Amount | 29 ft | | Reason | Shoe Joint | | | | |
| Fluid Data | | | | | | | | | |
| Stage/Plug #: 2 | | | | | | | | | |
| 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 | 8.3 | | 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 | Stage 2 VariCem Lead | VARICEM (TM) CEMENT | 1245 | sack | 12.8 | 1.96 | | 8 | 10.93 |
| POLY-E-FLAKE (101216940) | | | | | | | | | |
| FRESH WATER | | | | | | | | | |
| 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 |
| 3 | Displacement | Displacement | 139.1 | bbl | 8.3 | | | 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 |
| 4 | VersaCem (TM) System | Type I-II Cement | 140 | sack | 15.6 | 1.21 | | 2 | 5.4 |

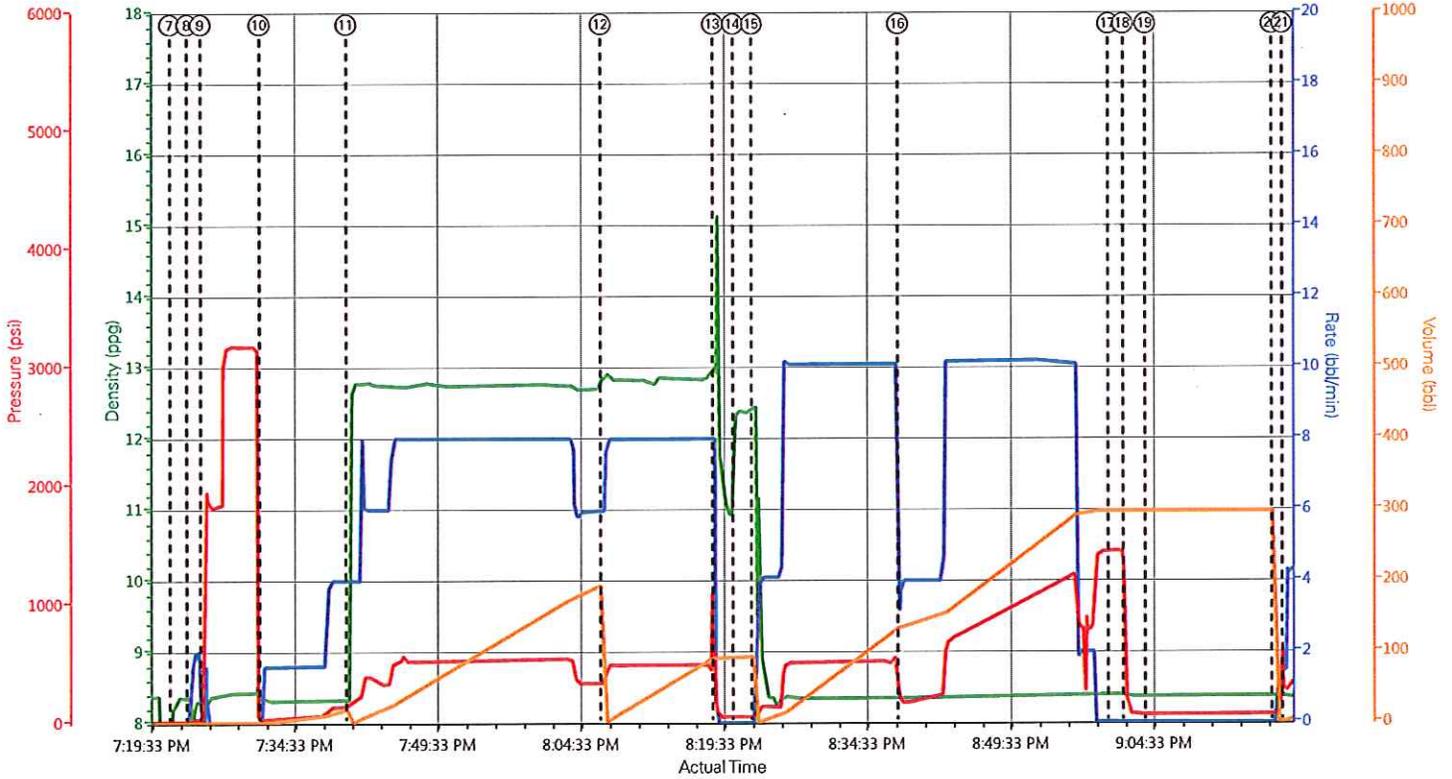
| | | | | |
|---------------------|---|-------|--------|------------|
| 5.39 Gal | FRESH WATER | | | |
| 2 % | CALCIUM CHLORIDE, PELLET, 50 LB (101509387) | | | |
| 94 lbm | TYPE I / II CEMENT, BULK (101439798) | | | |
| | | | | |
| Cement Left In Pipe | Amount | 29 ft | Reason | Shoe Joint |
| Comment | | | | |

1.1 Job Event Log

| Type | Seq. No. | Graph Label | Date | Time | Source | DH Density (ppg) | Comb Pump Rate (bbl/min) | PS Pump Press (psi) | Pump Stg Tot (bbl) | Comment |
|-------|----------|---------------------------------------|-----------|----------|--------|------------------|--------------------------|---------------------|--------------------|---|
| Event | 1 | Call Out | 7/11/2014 | 07:00:00 | USER | | | | | ON LOCATION TIME OF 1400 |
| Event | 2 | Crew Leave Yard | 7/11/2014 | 11:30:00 | USER | | | | | ALL HES PRESENT FOR PRE-CONVOY SAFETY HUDDLE |
| Event | 3 | Arrive At Loc | 7/11/2014 | 14:30:00 | USER | | | | | RIG WAS RUNNING CASING WHEN CREW ARRIVED ON LOCATION |
| Event | 4 | Assessment Of Location Safety Meeting | 7/11/2014 | 15:00:00 | USER | | | | | T |
| Event | 5 | Rig-Up Equipment | 7/11/2014 | 18:00:00 | USER | | | | | 1-550 PICKUP, 1-ELITE PUMP, 2-660 CUFT BULK TRUCK, 2-1700 CUFT SILOS |
| Event | 6 | Pre-Job Safety Meeting | 7/11/2014 | 18:45:00 | USER | | | | | ALL HES PRESENT, RIG CREW PRESENT, RIG TO CASING @ 1800 |
| Event | 7 | Start Job | 7/11/2014 | 19:21:46 | COM7 | | | | | |
| Event | 8 | Prime Pumps | 7/11/2014 | 19:23:33 | COM7 | 8.33 | 2 | 34 | 2 | FILL LINES |
| Event | 9 | Test Lines | 7/11/2014 | 19:24:59 | COM7 | 8.33 | .1 | 3177 | .1 | PRESSURE TEST HELD GREAT |
| Event | 10 | Pump Spacer 1 | 7/11/2014 | 19:31:10 | COM7 | 8.33 | 4 | 145 | 20 | FRESH WATER |
| Event | 11 | Pump Lead Cement | 7/11/2014 | 19:40:16 | COM7 | 12.8 | 8 | 530 | 198.6 | 630 SKS 12.8 PPG 1.77 FT3/SK 9.31 GAL/SK |
| Event | 12 | Pump Tail Cement | 7/11/2014 | 20:06:56 | COM7 | 12.8 | 8 | 500 | 434.6 | 245 SKS 12.8 PPG 1.96 FT3/SK 10.93 GAL/SK |
| Event | 13 | Shutdown | 7/11/2014 | 20:18:41 | USER | | | | | |
| Event | 14 | Drop Plug | 7/11/2014 | 20:20:47 | USER | | | | | PLUG PUSHED PASS TATTLE TELL |
| Event | 15 | Pump Displacement | 7/11/2014 | 20:22:47 | COM7 | 8.33 | 10 | 525 | 302.5 | FRESH WATER, WASHED UP ON TOP OF THE PLUG WITH THE FIRST 10 BBL OF DISPLACEMENT OUT OF THE MIXING TUB |
| Event | 16 | Slow Rate | 7/11/2014 | 20:38:06 | USER | 8.33 | 4 | 235 | 20 | SLOWED RATE TO GO THROUGH TOOL AND TO BUMP PLUG |
| Event | 17 | Bump Plug | 7/11/2014 | 21:00:05 | COM7 | 8.33 | 2 | 960 | 10 | BUMPED PLUG |
| Event | 18 | Check Floats | 7/11/2014 | 21:01:37 | USER | | | 1455 | | FLOATS HELD 1.5 BBL BACK TO DISPLACEMENT TANKS |
| Event | 19 | Drop Opening | 7/11/2014 | 21:03:57 | USER | | | | | DROPPED OPENING DEVICE |

| Device For Multiple Stage Cementer | | | | | | | | | | |
|------------------------------------|----|-------------------------------|-----------|----------|------|------|-----|------|-------|---|
| Event | 20 | Open Multiple Stage Cementer | 7/11/2014 | 21:17:14 | COM7 | 8.33 | 4 | 677 | 1.5 | OPENED TOOL AT 677 PSI |
| Event | 21 | Pump Spacer 1 | 7/11/2014 | 21:18:18 | USER | 8.33 | 4 | 322 | 20 | FRESH WATER |
| Event | 22 | Pump Lead Cement | 7/11/2014 | 21:30:11 | COM7 | 12.8 | 8 | 550 | 434.6 | 1245 SKS 12.8 PPG 1.96 FT3/SK 10.93 GAL/SK |
| Event | 23 | Cement Returns to Surface | 7/11/2014 | 21:56:50 | USER | | | | | 40 BBLs 1 ST STAGE LEAD TO SURFACE |
| Event | 24 | Pump Displacement | 7/11/2014 | 22:35:14 | COM7 | 8.33 | 3.5 | 590 | 139.1 | FRESH WATER, WASHED UP ON TOP OF THE PLUG WITH THE FIRST 10 BBL OF DISPLACEMENT OUT OF THE MIXING TUB |
| Event | 25 | Bump Plug | 7/11/2014 | 23:14:05 | USER | 8.33 | 3.5 | 600 | | GOOD RETURNS, CIRCULATED 160 BBL OF CEMENT TO SURFACE |
| Event | 26 | Close Multiple Stage Cementer | 7/11/2014 | 23:17:31 | COM7 | | | 1990 | | TOOL CLOSED, 1 1/2 BBL BACK TO THE DISPLACEMENT TANKS |
| Event | 27 | End Job | 7/11/2014 | 23:22:38 | COM7 | | | | | THANK YOU FOR CHOOSING HALLIBURTON, THOMAS PONDER AND CREW |

WPX - FED RGU 44-24-198 - FIRST STAGE



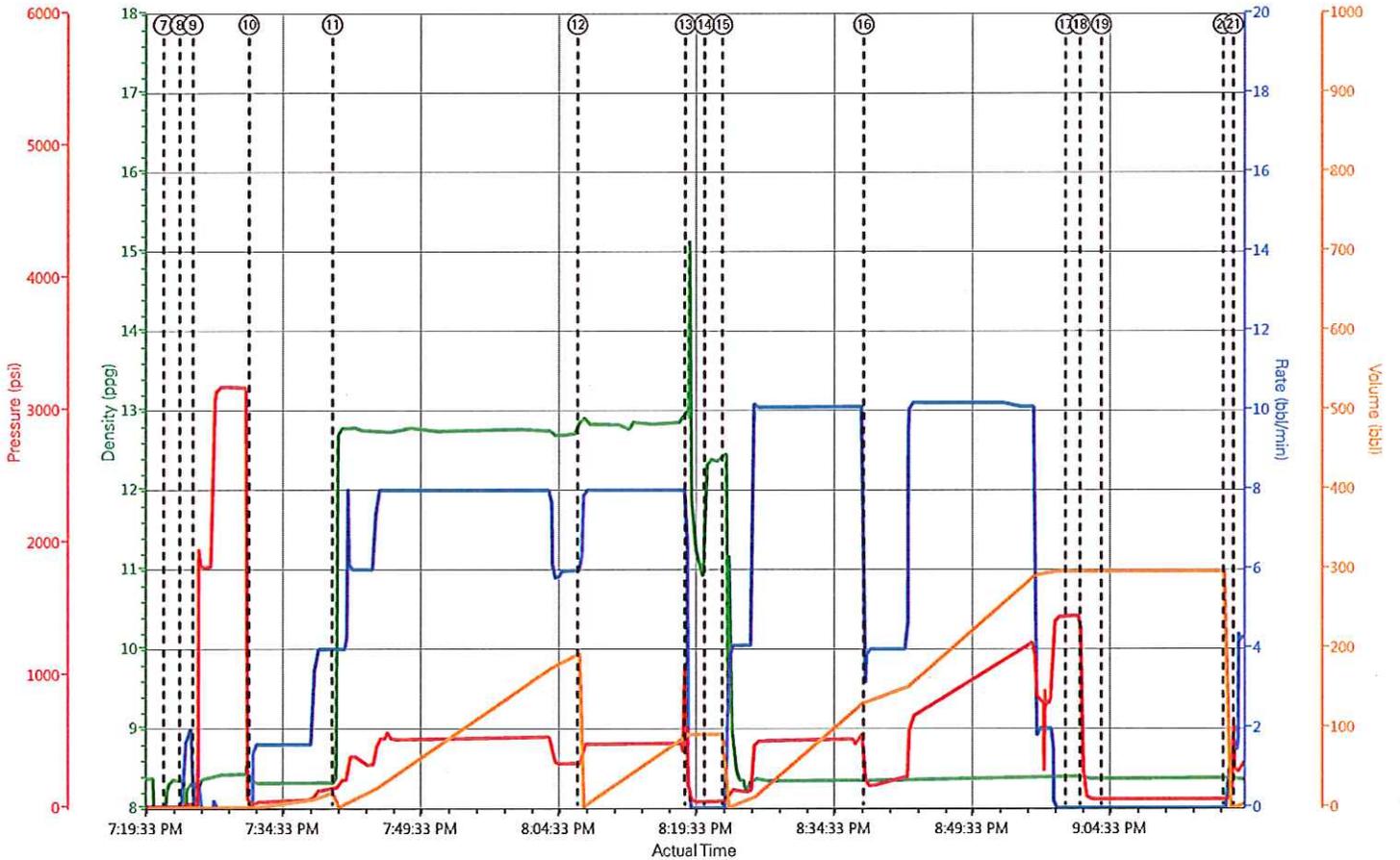
DH Density (ppg) 8.39 Comb Pump Rate (bbl/min) 0 PS Pump Press (psi) -1 Pump Stg Tot (bbl) 0

- ① Call Out n/a;n/a;n/a;n/a
- ② Crew Leave Yard n/a;n/a;n/a;n/a
- ③ Arrive At Locn n/a;n/a;n/a;n/a
- ④ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a
- ⑤ Rig-Up Equipment n/a;n/a;n/a;n/a
- ⑥ Pre-Job Safety Meeting n/a;n/a;n/a;n/a
- ⑦ Start Job 8.22;0;9;0
- ⑧ Prime Pumps 8.36;0;8;0
- ⑨ Test Lines 8.31;0;19;2
- ⑩ Pump Spacer 18.35;0;25;2
- ⑪ Pump Lead Cement 8.32;4;144;20.5
- ⑫ Pump Tail Cement 12.68;6;334;195.6
- ⑬ Shutdown 13;0;186;92.9
- ⑭ Drop Plug 12.4;0;49;92.9
- ⑮ Pump Displacement 12.46;0;51;92.9

HALLIBURTON | iCem® Service Created: 2014-07-11 18:46:57, Version: 3.0.121 [Edit](#)

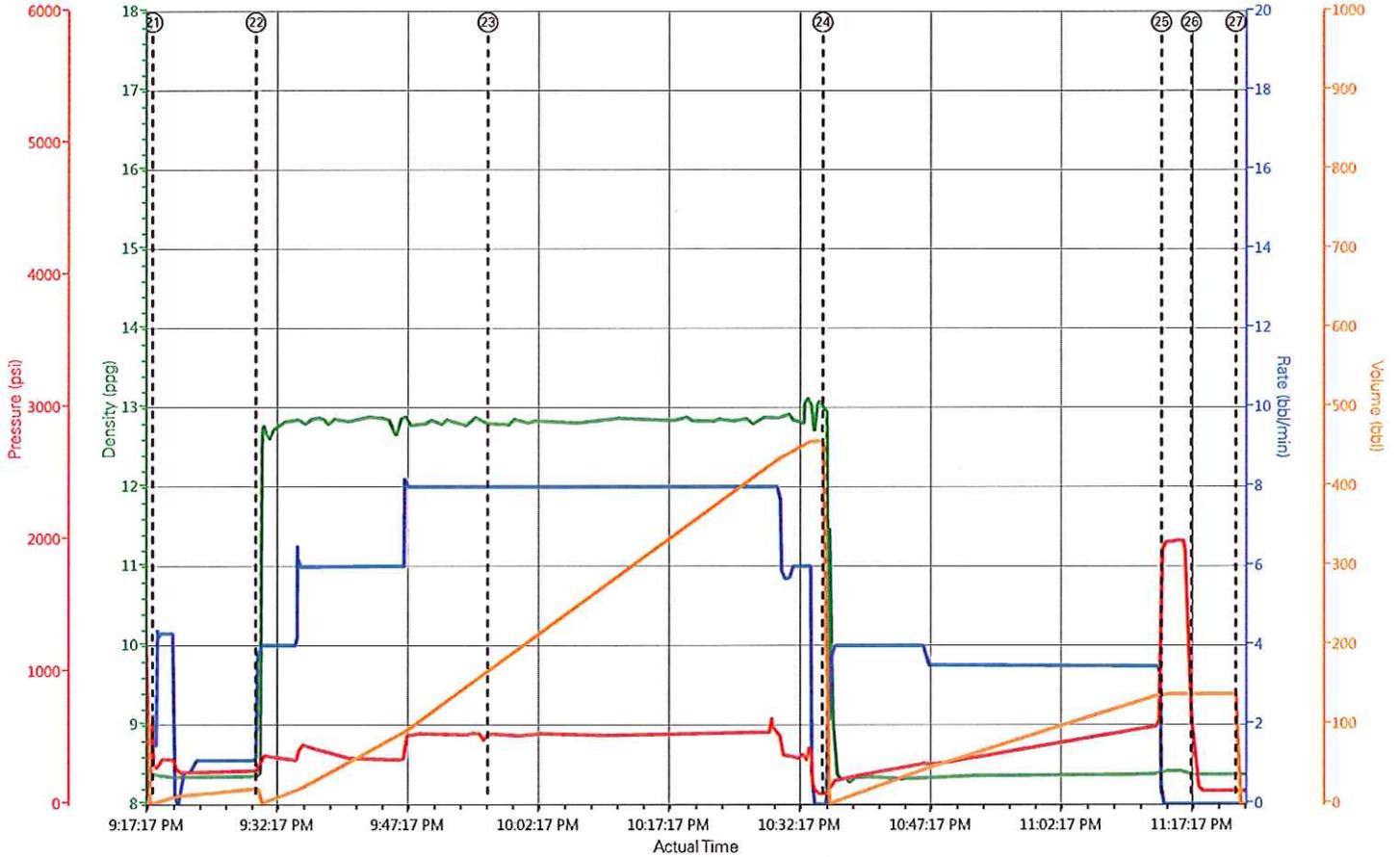
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS Job Date: 7/11/2014 6:51:40 PM Well: FEDERAL RGU 44-24-198
 Representative: TED RAGSDALE Sales Order #: 901498913 ELITE # 7: TRAVIS BROWN / ANDREW LINN
 THOMAS PONDER

WPX - FED RGU 44-24-198 - FIRST STAGE



DH Density (ppg) 8.39 Comb Pump Rate (bbl/min) 0 PS Pump Press (psi) -1 Pump Stg Tot (bbl) 0

WPX - FED RGU 44-24-198 - SECOND STAGE

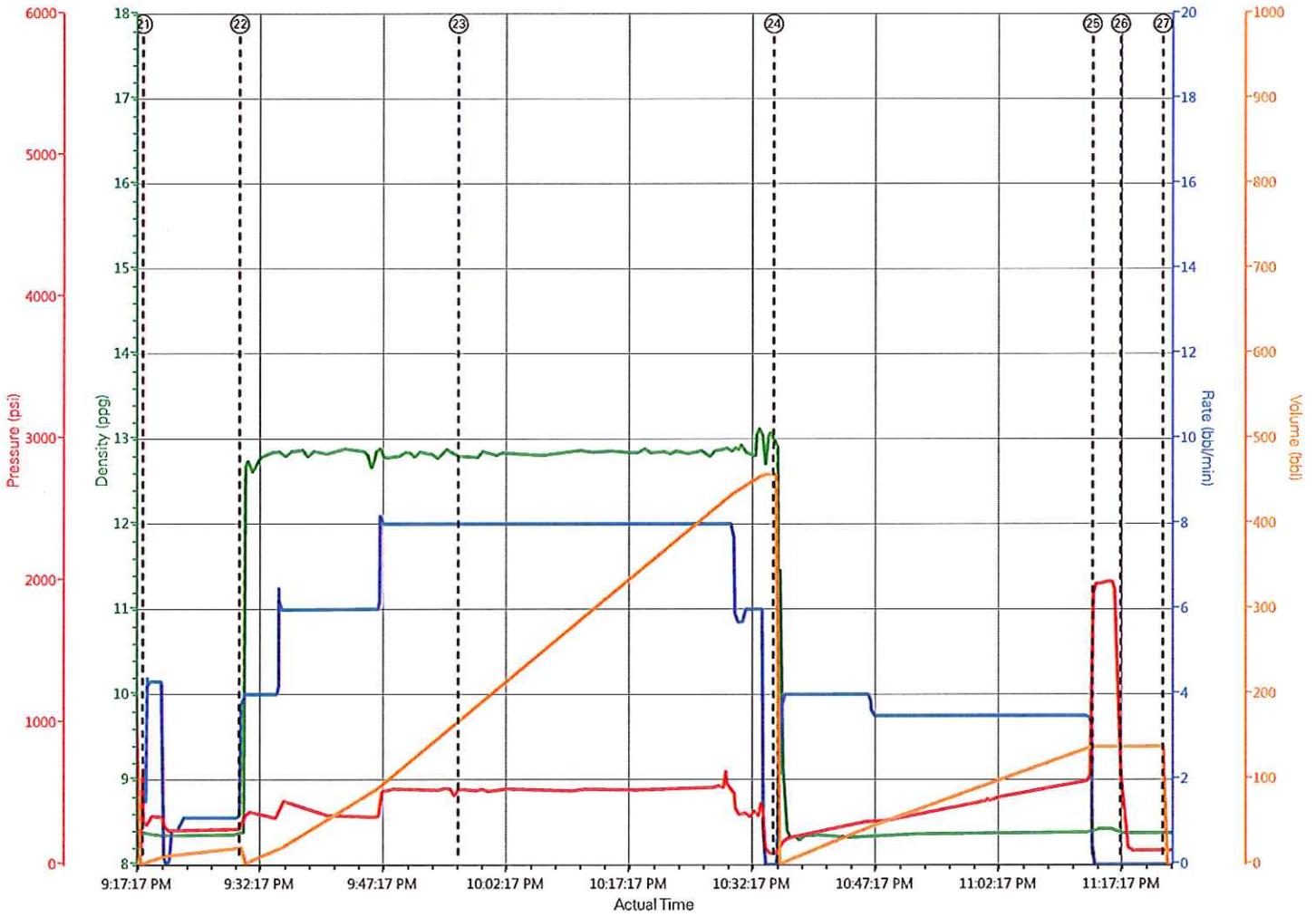


DH Density (ppg) 8.39 Comb Pump Rate (bbbl/min) 0 PS Pump Press (psi) -1 Pump Stg Tot (bbbl) 0

- ① Call Out n/a;n/a;n/a;n/a
- ② Crew Leave Yard n/a;n/a;n/a;n/a
- ③ Arrive At Locn n/a;n/a;n/a;n/a
- ④ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a
- ⑤ Rig-Up Equipment n/a;n/a;n/a;n/a
- ⑥ Pre-Job Safety Meeting n/a;n/a;n/a;n/a
- ⑦ Start Job 8.22;0;9;0
- ⑧ Prime Pumps 8.36;0;8;0
- ⑨ Test Lines 8.31;0;19;2
- ⑩ Pump Spacer 18.35;0;25;2
- ⑪ Pump Lead Cement 8.32;4;144;20.5
- ⑫ Pump Tail Cement 12.68;6;334;195.6
- ⑬ Shutdown 13;0;186;92.9
- ⑭ Drop Plug 12.4;0;49;92.9
- ⑮ Pump Displacement 12.46;0;51;92.9

III

WPX - FED RGU 44-24-198 - SECOND STAGE



DH Density (ppg) 8.39 Comb Pump Rate (bbl/min) 0 PS Pump Press (psi) -1 Pump Stg Tot (bbl) 0

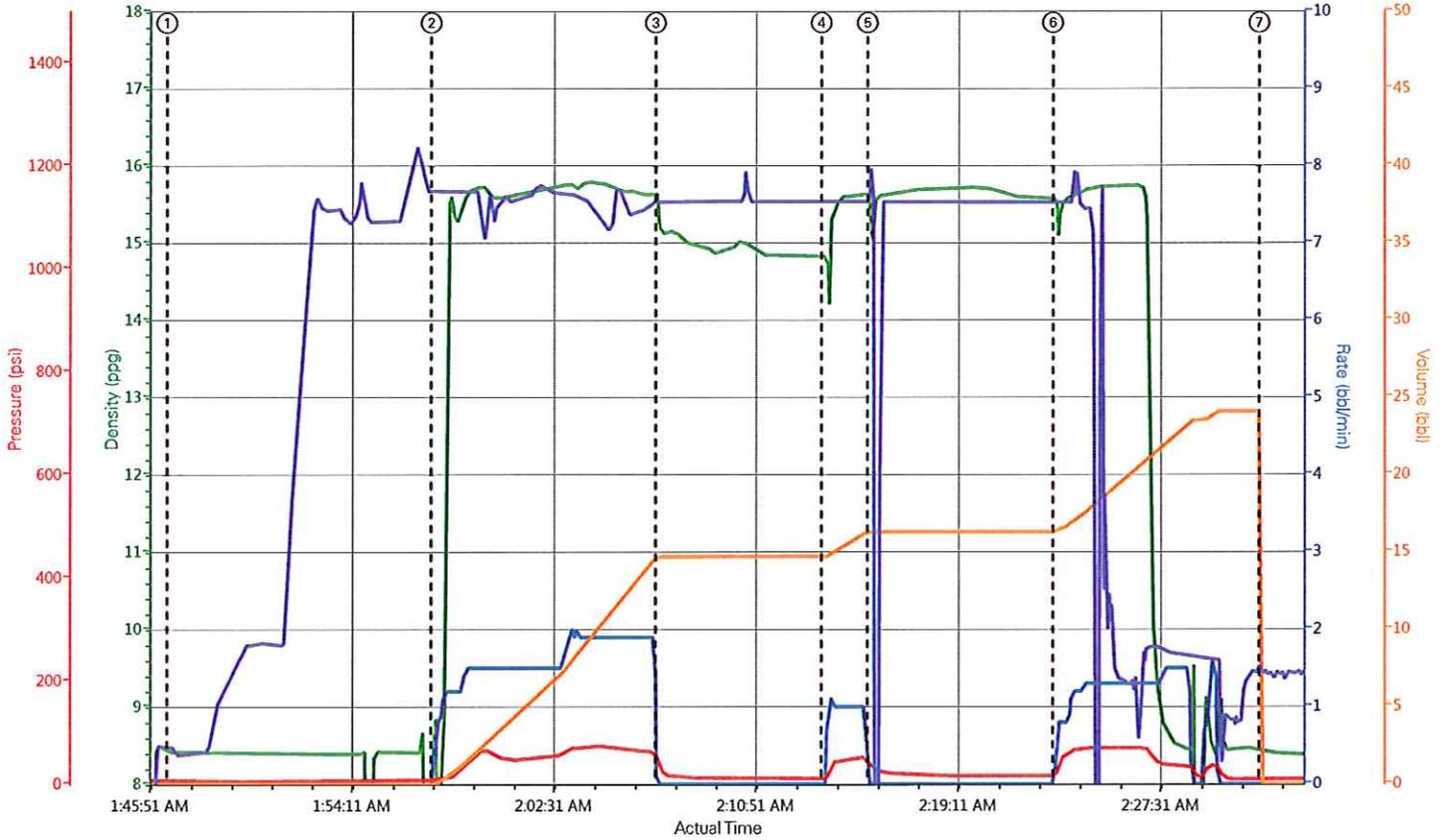
HALLIBURTON

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS
901498913
Case 2

1.1 Job Event Log

| Type | Seq. No. | Graph Label | Date | Time | Source | DH Density (ppg) | Comb Pump Rate (bbl/min) | PS Pump Press (psi) | Pump Stg Tot (bbl) | Recirc Density (ppg) | Comment |
|-------|----------|-------------|-----------|----------|--------|------------------|--------------------------|---------------------|--------------------|----------------------|--|
| Event | 1 | Start Job | 7/12/2014 | 01:46:39 | COM7 | | | | | | TOPPED OUT 2 WELL WITH CMT TO SURFACE FROM 2ND STAGE |
| Event | 2 | Pump Cement | 7/12/2014 | 01:57:35 | COM7 | 15.6 | 2 | 8.00 | 15 | 15.68 | 100 SKS 15.6 PPG 1.21 FT3 SK 5.40GAL/SK |
| Event | 3 | Shutdown | 7/12/2014 | 02:06:50 | USER | | | | | | WATCHING CMT FALL |
| Event | 4 | Pump Cement | 7/12/2014 | 02:13:40 | USER | 15.6 | 1 | 11.00 | 5 | 15.53 | SWITCHED WELLS |
| Event | 5 | Shutdown | 7/12/2014 | 02:15:34 | USER | | | | | | CMT TO SURFACE |
| Event | 6 | Clean Lines | 7/12/2014 | 02:23:12 | USER | | | | 5 | | FLUSHED 5 BBLS OF WATER THROUGH IRON |
| Event | 7 | End Job | 7/12/2014 | 02:31:42 | COM7 | | | | | | THANK YOU FOR CHOOSING HALIBURTON |

WPX - FED RGU 44-24-198 - TOP OUT



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

① Start Job 8.41;0.5;0.8.48 ② Pump Cement 8.46;0.8;0.15.68 ③ Shutdown 15.25;0.37;14.7;15.53 ④ Pump Cement 14.83;0.11;14.7;15.53 ⑤ Shutdown 15.36;0.34;16.3;15.95 ⑥ Clean Lines 15.57;0.8;17.

HALLIBURTON | iCem® Service

Created: 2014-07-12 00:49:02, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 7/12/2014 1:26:42 AM

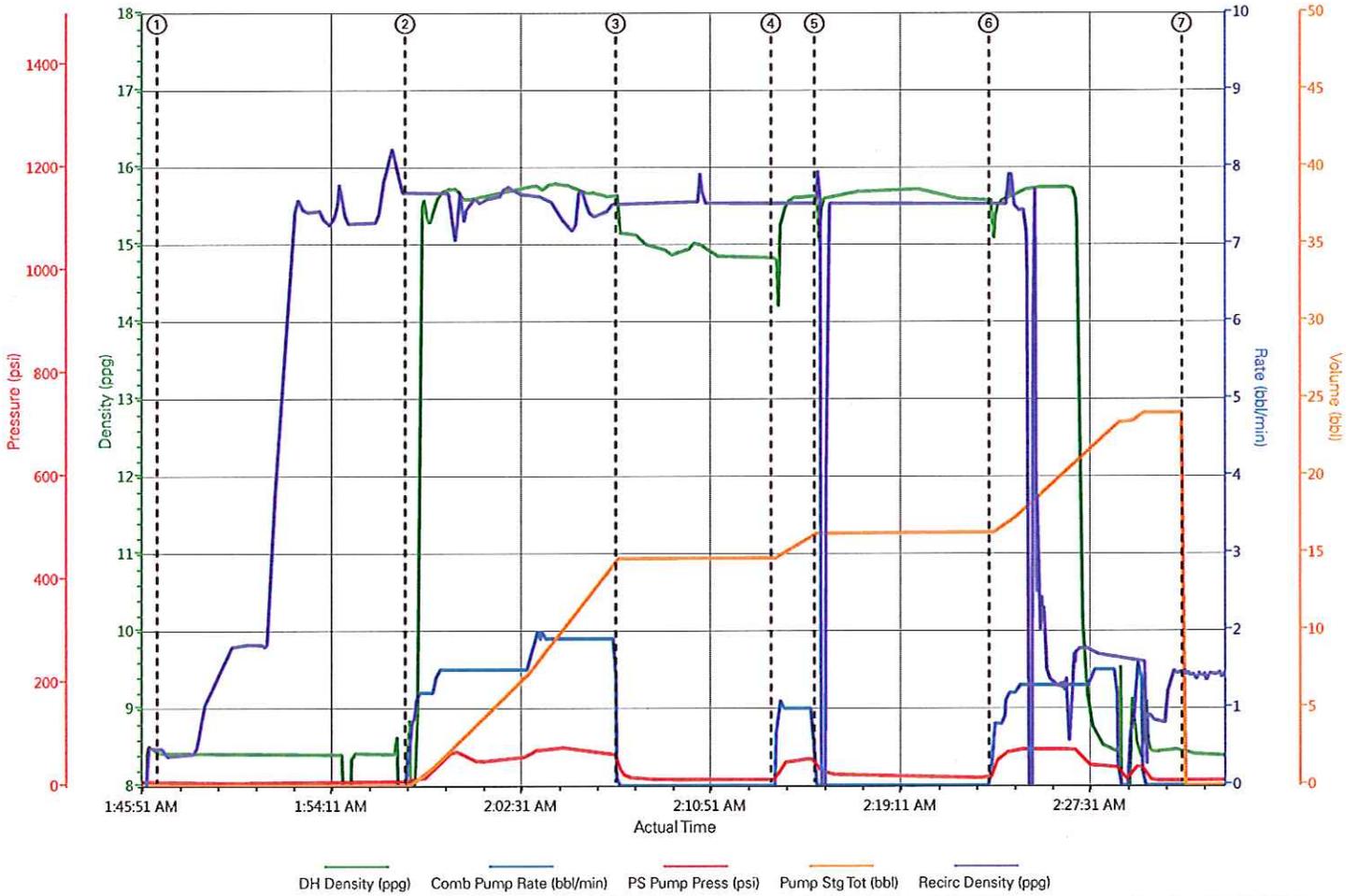
Well: FEDERAL RGU 44-24-198

Representative: TED RAGSDALE

Sales Order #: 901498913

ELITE # 7: TRAVIS BROWN / ANDREW LINN
THOMAS PONDER

WPX - FED RGU 44-24-198 - TOP OUT



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

HALLIBURTON | iCem® Service

Created: 2014-07-12 00:49:02, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 7/12/2014 1:26:42 AM

Well: FEDERAL RGU 44-24-198

Representative: TED RAGSDALE

Sales Order #: 901498913

ELITE # 7: TRAVIS BROWN / ANDREW LINN
THOMAS PONDER

HALLIBURTON

Company: WPX Date: 7/11/2014
Submitted by: THOMAS PONDER Date Rec.: 7/11/2014
Attention: LARRY COOKSEY S.O.# 901498913
Lease FEDERAL Job Type: MULTI STAGE SURFACE
Well # RGU 44-24-198

| | | |
|-----------------------------|--------------|-----------------------|
| Specific Gravity | <i>MAX</i> | <i>1</i> |
| pH | <i>8</i> | <i>7</i> |
| Potassium (K) | <i>5000</i> | <i>0 Mg / L</i> |
| Calcium (Ca) | <i>500</i> | <i>120 Mg / L</i> |
| Iron (FE2) | <i>300</i> | <i>0 Mg / L</i> |
| Chlorides (Cl) | <i>3000</i> | <i>0 Mg / L</i> |
| Sulfates (SO ₄) | <i>1500</i> | <i><200 Mg / L</i> |
| Carbonates hardness | | |
| Temp | <i>40-80</i> | <i>85 Deg</i> |
| Total Dissolved Solids | | <i>350 Mg / L</i> |

Respectfully: THOMAS PONDER

Title: CEMENTING SUPERVISOR

Location: GRAND JCT, CO

| | | |
|--|--------------------------------|---|
| Sales Order #: 0901498913 | Line Item: 10 | Survey Conducted Date: 7/12/2014 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS | | Job Type (BOM): CMT MULTIPLE STAGES BOM |
| Customer Representative: TED RAGSDALE | | API / UWI: (leave blank if unknown) 05-103-12083-00 |
| Well Name: FEDERAL | | Well Number: 0080359360 |
| Well Type: DIRECTIONAL GAS | Well Country: USA | |
| H2S Present: No | Well State: COLORADO | Well County: RIO BLANCO |

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 | 7/12/2014 |
| Survey Interviewer | The survey interviewer is the person who initiated the survey. | HX41187 |
| Customer Participation | Did the customer participate in this survey? (Y/N) | Yes |
| Customer Representative | Enter the Customer representative name | TED RAGSDALE |
| 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 | GREAT JOB / WELL DONE THANKS GUYS |

CUSTOMER SIGNATURE

| | | |
|--|--------------------------------|---|
| Sales Order #: 0901498913 | Line Item: 10 | Survey Conducted Date: 7/12/2014 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS | | Job Type (BOM): CMT MULTIPLE STAGES BOM |
| Customer Representative: TED RAGSDALE | | API / UWI: (leave blank if unknown) 05-103-12083-00 |
| Well Name: FEDERAL | | Well Number: 0080359360 |
| Well Type: DIRECTIONAL GAS | Well Country: USA | |
| H2S Present: No | Well State: COLORADO | Well County: RIO BLANCO |

KEY PERFORMANCE INDICATORS

| General | |
|---|-----------|
| Survey Conducted Date The date the survey was conducted | 7/12/2014 |

| Cementing KPI Survey | |
|--|-------------------------|
| Type of Job Select the type of job. (Cementing or Non-Cementing) | 0 |
| Select the Maximum Deviation range for this Job What is the highest deviation for the job you just completed? This may not be the maximum well deviation. | Deviated |
| Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format. | 8 |
| HSE Incident, Accident, Injury HSE Incident, Accident, Injury. This should be recordable incidents only. | No |
| Was the job purpose achieved? Was the job delivered correctly as per customer agreed design? | Yes |
| Operating Hours (Pumping Hours) Total number of hours pumping fluid on this job. Enter in decimal format. | 5 |
| Customer Non-Productive Rig Time (hrs) 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 |
| Type of Rig Classification Job Was Performed Type Of Rig (classification) Job Was Performed On | Drilling Rig (Portable) |
| Number Of JSAs Performed Number Of Jsas Performed | 9 |
| Number of Unplanned Shutdowns Unplanned shutdown is when injection stops for any period of time. | 0 |
| Was this a Primary Cement Job (Yes / No) | Yes |

| | | |
|--|--------------------------------|---|
| Sales Order #: 0901498913 | Line Item: 10 | Survey Conducted Date: 7/12/2014 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS | | Job Type (BOM): CMT MULTIPLE STAGES BOM |
| Customer Representative: TED RAGSDALE | | API / UWI: (leave blank if unknown) 05-103-12083-00 |
| Well Name: FEDERAL | | Well Number: 0080359360 |
| Well Type: DIRECTIONAL GAS | Well Country: USA | |
| H2S Present: No | Well State: COLORADO | Well County: RIO BLANCO |

| | |
|--|-----|
| Primary Cement Job= Casing job, Liner job, or Tie-back job. | |
| Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs? | Top |
| Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100 | 98 |
| Was Automated Density Control Used? Was Automated Density Control (ADC) Used ? | Yes |
| Pump Rate (percent) of Job Stayed At Designed Pump Rate 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 | 97 |
| Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition | 0 |
| Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES | 0 |
| Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES | 0 |