

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

PA 314-6

Nabors 574

Post Job Summary

Cement Surface Casing

Date Prepared: 05/02/14

Job Date: 05/01/14

Submitted by: Evan Russell - Cement Engineer

The Road to Excellence Starts with Safety

| | | | |
|--|--------------------|-----------------------------------|---------------------------|
| Sold To #: 300721 | Ship To #: 3207554 | Quote #: | Sales Order #: 0901303849 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS | | Customer Rep: | |
| Well Name: PA | Well #: 314-6 | API/UWI #: 05-045-22233-00 | |
| Field: PARACHUTE | City (SAP): PAR | County/Parish: GARFIELD | State: COLORADO |
| Legal Description: 6-7S-95W-750FSL-743FWL | | | |
| Contractor: NABORS DRLG | | Rig/Platform Name/Num: NABORS 574 | |
| Job BOM: 7521 | | | |
| Well Type: DIRECTIONAL GAS | | | |
| Sales Person: HALAMERICA\HB50180 | | Srvc Supervisor: THOMAS PONDER | |

Job

| | | | |
|------------------------|--------|--|-------------------|
| Formation Name | | | |
| Formation Depth (MD) | Top | | Bottom |
| Form Type | | | BHST |
| Job depth MD | 1036ft | | Job Depth TVD |
| Water Depth | | | Wk Ht Above Floor |
| 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 | 1036 | | 0 |
| Open Hole Section | | | 13.5 | | | | 0 | 1036 | | 0 |

Tools and Accessories

| Type | Size in | Qty | Make | Depth ft | Type | Size in | Qty | Make |
|--------------|---------|-----|------|----------|----------------|---------|-----|------|
| Guide Shoe | 9.625 | 1 | WTF | 1036 | Top Plug | 9.625 | 1 | HES |
| Float Shoe | 9.625 | | | | Bottom Plug | 9.625 | | HES |
| Float Collar | 9.625 | 1 | WTF | 989.4 | SSR plug set | 9.625 | | HES |
| Insert Float | 9.625 | | | | Plug Container | 9.625 | 1 | HES |
| Stage Tool | 9.625 | | | | 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 Spacer | Fresh Water Spacer | 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 | Lead Cement | VARICEM (TM) CEMENT | 115 | sack | 12.3 | 2.38 | | 8 | 13.77 |

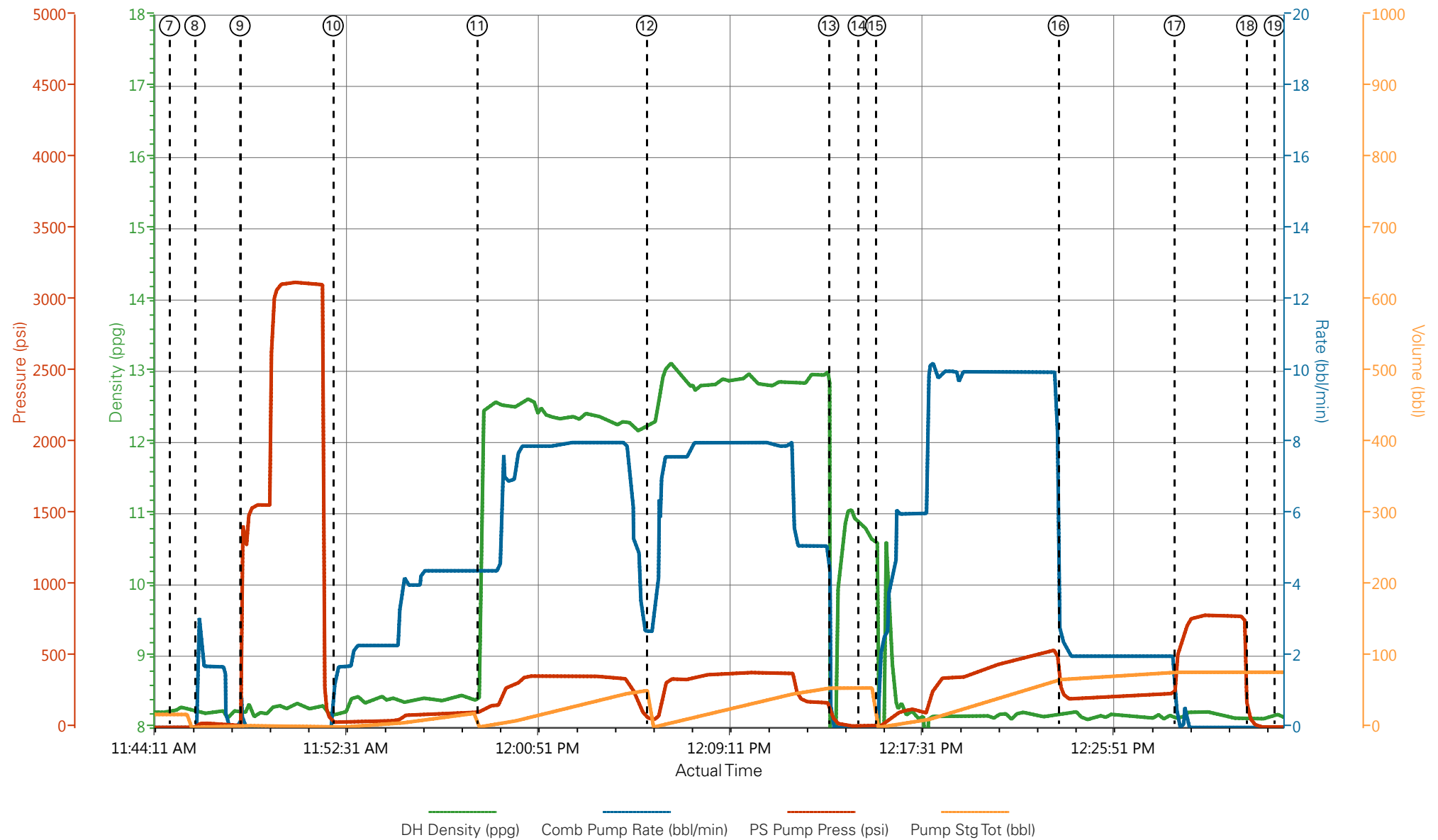
| | | | | | | | | | |
|---------------------|--------------------------|------------------------------------|-------|---------|---------------------------|-------------------|------------------|-----------------|------------------------|
| 13.72 Gal | | FRESH WATER | | | | | | | |
| 0.25 % | | D-AIR 5000, 50 LB SACK (102068797) | | | | | | | |
| | | | | | | | | | |
| 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 | Tail Cement | VARICEM (TM) CEMENT | 165 | sack | 12.8 | 2.11 | | 8 | 11.77 |
| 0.25 % | | D-AIR 5000, 50 LB SACK (102068797) | | | | | | | |
| 0.25 lbm | | 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 | Fresh Water Displacement | Fresh Water Displacement | 77.9 | bbl | 8.34 | | | 10 | |
| | | | | | | | | | |
| Cement Left In Pipe | | Amount | 47 ft | | Reason | | Shoe Joint | | |
| Comment | | | | | | | | | |

1.1 Job Event Log

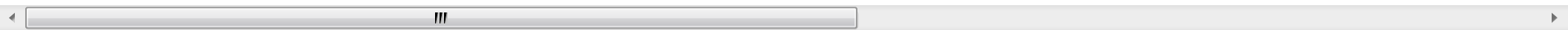
| Type | Seq. No. | Activity | Date | Time | Source | DH Density (ppg) | Comb Pump Rate (bbl/min) | PS Pump Press (psi) | Pump Stg Tot (bbl) | Comment |
|-------|----------|---------------------------------------|-----------|----------|--------|---------------------|-----------------------------|------------------------|-----------------------|---|
| Event | 1 | Call Out | 4/29/2014 | 03:00:00 | USER | | | | | ON LOCATION TIME @ 0800 |
| Event | 2 | Crew Leave Yard | 4/29/2014 | 04:30:00 | USER | | | | | ALL HES PRESENT FOR PRE-CONVOY SAFETY HUDDLE |
| Event | 3 | Arrive At Loc | 4/29/2014 | 05:30:00 | USER | | | | | RIG WAS STILL PULLING DRILL PIPE WHEN THE CREW ARRIVED ON LOCATION |
| Event | 4 | Assessment Of Location Safety Meeting | 4/29/2014 | 10:00:00 | USER | | | | | TD- 1036', TP- 1036', SJ- 46.6', MUD- 9.6 PPG, HOLE- 13 1/2", SURFACE CASING- 9 5/8" 32.3# H-40 |
| Event | 5 | Rig-Up Equipment | 4/29/2014 | 10:30:00 | USER | | | | | 1-550 PICKUP, 1-ELITE PUMP, 1-660 CUFT BULK TRUCK |
| Event | 6 | Pre-Job Safety Meeting | 4/29/2014 | 11:30:00 | USER | | | | | ALL HES PRESENT, RIG CREW PRESENT, RIG TD CASING @ 1030 |
| Event | 7 | Start Job | 4/29/2014 | 11:45:00 | COM6 | | | | | |
| Event | 8 | Prime Pumps | 4/29/2014 | 11:46:05 | COM6 | 8.27 | 2 | 50 | 2 | FILL LINES |
| Event | 9 | Test Lines | 4/29/2014 | 11:48:03 | COM6 | 8.20 | .1 | 3120 | .1 | GOOD PRESSURE TEST NO LEAKS IN THE LINES |
| Event | 10 | Pump Spacer 1 | 4/29/2014 | 11:52:06 | COM6 | 8.21 | 4 | 110 | 20 | FRESH WATER |
| Event | 11 | Pump Lead Cement | 4/29/2014 | 11:58:21 | COM6 | 12.3 | 8 | 360 | 48.1 | 115 SKS 12.3 PPG 2.38 FT3/SK 13.77 GAL/SK |
| Event | 12 | Pump Tail Cement | 4/29/2014 | 12:05:43 | COM6 | 12.8 | 8 | 380 | 62 | 165 SKS 12.8 PPG 2.11 FT3/SK 11.77 GAL/SK |
| Event | 13 | Shutdown | 4/29/2014 | 12:13:37 | USER | | | | | |
| Event | 14 | Drop Top Plug | 4/29/2014 | 12:14:55 | USER | | | | | PLUG DROP VERIFIED VIA TATTLE TELL |
| Event | 15 | Pump Displacement | 4/29/2014 | 12:15:40 | COM6 | 8.32 | 10 | 553 | 67.9 | 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 | 4/29/2014 | 12:23:36 | USER | 8.17 | 2 | 212 | 10 | GOOD RETURNS, CIRCULATED 20 BBL OF CEMENT TO SURFACE |
| Event | 17 | Bump Plug | 4/29/2014 | 12:28:39 | USER | | | 250 | 77.9 | PLUG BUMPED |
| Event | 18 | Check Floats | 4/29/2014 | 12:31:47 | USER | | | 781 | 77.9 | FLOATS HELD, 5/8 BBL BACK TO THE DISPLACEMENT TANKS |
| Event | 19 | End Job | 4/29/2014 | 12:33:00 | COM6 | | | | | THANK YOU FOR CHOOSING HALLIBURTON, THOMAS PONDER AND CREW |

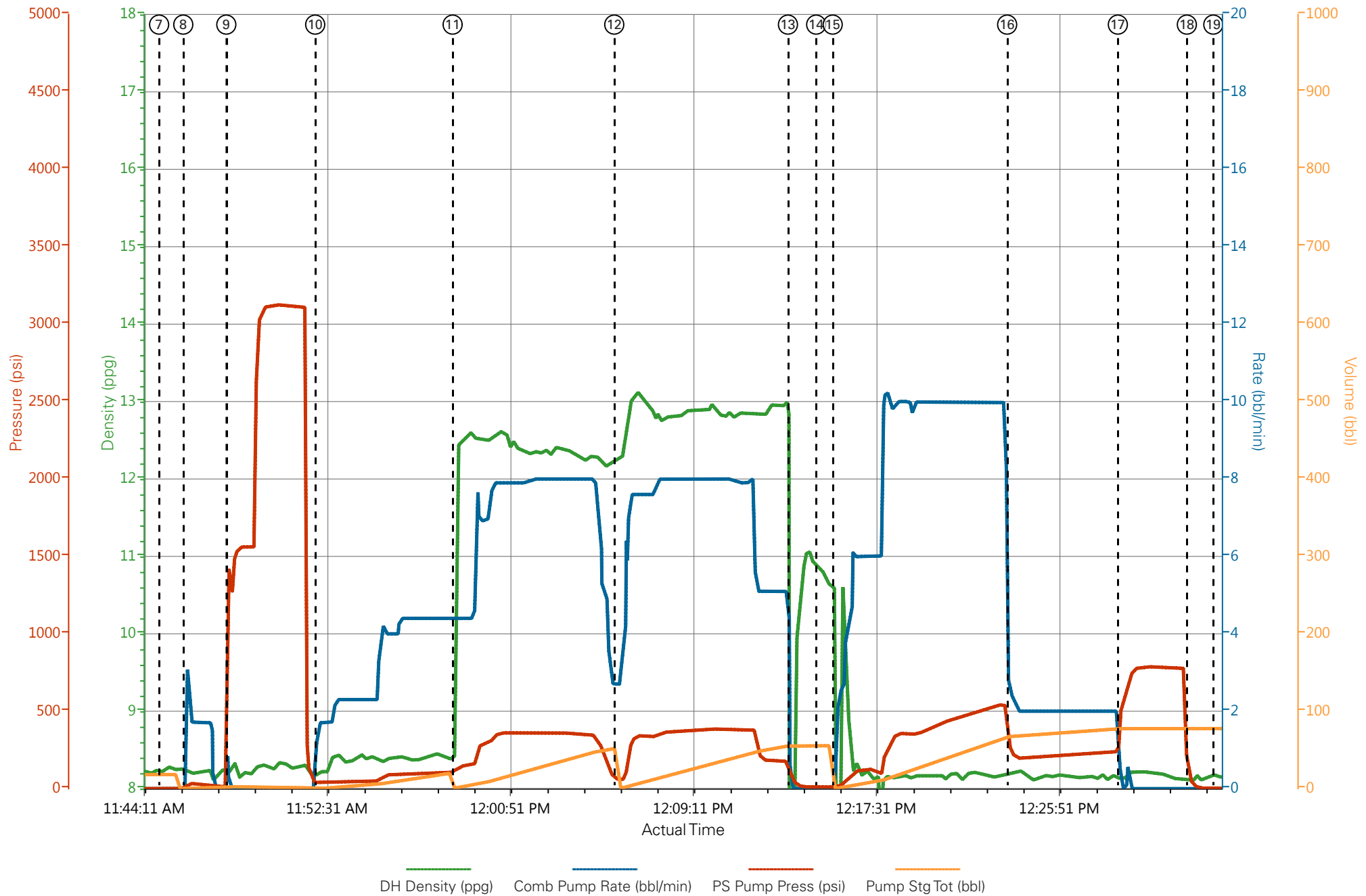
WPX - PA 314-6 - 9.625 IN SURFACE



- | | | | | | |
|-----------------------------------|---|--|------------------------------|-------------------------------|-----|
| ① Call Out n/a;n/a;n/a;n/a | ③ Arrive At Loc n/a;n/a;n/a;n/a | ⑤ Rig-Up Equipment n/a;n/a;n/a;n/a | ⑦ Start Job 8.22;0;1;18.2 | ⑨ Test Lines 8.2;0;1394;2.4 | ⑪ F |
| ② Crew Leave Yard n/a;n/a;n/a;n/a | ④ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a | ⑥ Pre-Job Safety Meeting 8.24;0;2;18.2 | ⑧ Prime Pumps 8.27;3.1;8;0.2 | ⑩ Pump Spacer 1 8.22;1.7;36;0 | ⑫ F |



WPX - PA 314-6 - 9.625 IN SURFACE



HALLIBURTON

| | | | |
|---------------|----------------------|------------|------------------|
| Company: | <u>WPX</u> | Date: | <u>4/29/2014</u> |
| Submitted by: | <u>THOMAS PONDER</u> | Date Rec.: | <u>4/29/2014</u> |
| Attention: | <u>LARRY COOKSEY</u> | S.O.# | <u>901303849</u> |
| Lease | <u>PA</u> | Job Type: | <u>SURFACE</u> |
| Well # | <u>314-6</u> | | |

| | | |
|-----------------------------|--------------|-------------------|
| Specific Gravity | <i>MAX</i> | <i>1</i> |
| pH | <i>8</i> | <i>7</i> |
| Potassium (K) | <i>5000</i> | <i>250</i> Mg / L |
| Calcium (Ca) | <i>500</i> | <i>120</i> Mg / L |
| Iron (FE2) | <i>300</i> | <i>0</i> Mg / L |
| Chlorides (Cl) | <i>3000</i> | <i>0</i> Mg / L |
| Sulfates (SO ₄) | <i>1500</i> | <i>0</i> Mg / L |
| Carbonates hardness | | |
| Temp | <i>40-80</i> | <i>65</i> Deg |
| Total Dissolved Solids | | <i>185</i> Mg / L |

Respectfully: THOMAS PONDER

Title: CEMENTING SUPERVISOR

Location: GRAND JCT, CO

| | | |
|--|--------------------------------|---|
| Sales Order #: 0901303849 | Line Item: 10 | Survey Conducted Date: 4/29/2014 |
| Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS | | Job Type (BOM): CMT SURFACE CASING BOM |
| Customer Representative: MATT HUDSON | | API / UWI: (leave blank if unknown) 05-045-22233-00 |
| Well Name: PA | | Well Number: 0080244812 |
| Well Type: DIRECTIONAL GAS | Well Country: USA | |
| H2S Present: No | Well State: COLORADO | Well County: 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 | 4/29/2014 |
| 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 | MATT HUDSON |
| 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 | |

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

| | | |
|--|--------------------------------|---|
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| Well Name: PA | | Well Number: 0080244812 |
| Well Type: DIRECTIONAL GAS | Well Country: USA | |
| H2S Present: No | Well State: COLORADO | Well County: GARFIELD |

KEY PERFORMANCE INDICATORS

| General | |
|---|-----------|
| Survey Conducted Date The date the survey was conducted | 4/29/2014 |

| 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. | Vertical |
| Total Operating Time (hours) Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format. | 3 |
| 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. | 1 |
| 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 | 6 |
| 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 |

| | | |
|--|--------------------------------|---|
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| Well Name: PA | | Well Number: 0080244812 |
| Well Type: DIRECTIONAL GAS | Well Country: USA | |
| H2S Present: No | Well State: COLORADO | Well County: GARFIELD |

| | |
|--|-----|
| 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 | 95 |
| 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 | 95 |
| 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 |