

PICEANCE ENERGY LLC - EBUS

Piceance 28-03M

**Patterson 306**

## **Post Job Summary**

# **Cement Surface Casing**

Date Prepared: 08/30/2015

Job Date: 08/23/2015

Submitted by: Aaron Katz – Grand Junction Cement Engineer

## The Road to Excellence Starts with Safety

|   |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
|---|-------------------|-----------------------------|-----------------------|---|-------------------------------|-----------------------------------|------------------------|---------------------|----------------------------|----------------------|
| <b>Sold To #:</b> 344919                                  |                   | <b>Ship To #:</b> 3673010   |                       | <b>Quote #:</b>                             |                               | <b>Sales Order #:</b> 0902687828  |                        |                     |                            |                      |
| <b>Customer:</b> PICEANCE ENERGY LLC - EBUS               |                   |                             |                       | <b>Customer Rep:</b> Matt Settles           |                               |                                   |                        |                     |                            |                      |
| <b>Well Name:</b> PICEANCE FED                            |                   |                             | <b>Well #:</b> 28-03M |   |                               | <b>API/UWI #:</b> 05-077-10241-00 |                        |                     |                            |                      |
| <b>Field:</b> VEGA  |                   | <b>City (SAP):</b> COLLBRAN |                       | <b>County/Parish:</b> MESA                  |                               |                                   | <b>State:</b> COLORADO |                     |                            |                      |
| <b>Legal Description:</b> SW NW-28-9S-93W-1566FNL-1204FWL |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Contractor:</b> PATTERSON-UTI ENERGY                   |                   |                             |                       | <b>Rig/Platform Name/Num:</b> PATTERSON 306 |                               |                                   |                        |                     |                            |                      |
| <b>Job BOM:</b> 7521                                      |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Well Type:</b> DIRECTIONAL GAS                         |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Sales Person:</b> HALAMERICA\HX41066                   |                   |                             |                       | <b>Srvc Supervisor:</b> Edward Deussen      |                               |                                   |                        |                     |                            |                      |
| <b>Job</b>  |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
|   |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Formation Name</b>                                     |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Formation Depth (MD)</b>                               |                   | <b>Top</b>                  |                       |   |                               | <b>Bottom</b>                     |                        |                     |                            |                      |
| <b>Form Type</b>  |                   |                             |                       |   |                               | <b>BHST</b>                       |                        |                     |                            |                      |
| <b>Job depth MD</b>                                       |                   | 1582ft                      |                       |   |                               | <b>Job Depth TVD</b>              |                        |                     |                            |                      |
| <b>Water Depth</b>  |                   |                             |                       |   |                               | <b>Wk Ht Above Floor</b>          |                        |                     |                            |                      |
| <b>Perforation Depth (MD)</b>                             |                   | <b>From</b>                 |                       |   |                               | <b>To</b>                         |                        |                     |                            |                      |
|   |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Well Data</b>  |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Description</b>  | <b>New / Used</b> | <b>Size in</b>              | <b>ID in</b>          | <b>Weight lbm/ft</b>                        | <b>Thread</b>                 | <b>Grade</b>                      | <b>Top MD ft</b>       | <b>Bottom MD ft</b> | <b>Top TVD ft</b>          | <b>Bottom TVD ft</b> |
| Casing  |                   | 16                          | 15.25                 | 65  |                               |                                   | 0                      | 60                  |                            |                      |
| Casing  |                   | 8.625                       | 8.097                 | 24  |                               |                                   | 0                      | 1582                |                            |                      |
| Open Hole Section   |                   |                             | 11                    |   |                               |                                   | 60                     | 1592                |                            |                      |
|   |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Tools and Accessories</b>                              |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Type</b>   | <b>Size in</b>    | <b>Qty</b>                  | <b>Make</b>           | <b>Depth ft</b>                             |                               | <b>Type</b>                       | <b>Size in</b>         | <b>Qty</b>          | <b>Make</b>                |                      |
| Guide Shoe  | 8.625             |                             |                       | 1582  |                               | Top Plug                          | 8.625                  | 1                   | HES                        |                      |
| Float Shoe  | 8.625             |                             |                       |   |                               | Bottom Plug                       | 8.625                  | 1                   | HES                        |                      |
| Float Collar  | 8.625             |                             |                       |   |                               | SSR plug set                      |                        |                     |                            |                      |
| Insert Float  |                   |                             |                       |   |                               | Plug Container                    | 8.625                  | 1                   | HES                        |                      |
| Stage Tool  |                   |                             |                       |   |                               | Centralizers                      |                        |                     |                            |                      |
|   |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Fluid Data</b>   |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Stage/Plug #: 1</b>                                    |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Fluid #</b>  | <b>Stage Type</b> | <b>Fluid Name</b>           | <b>Qty</b>            | <b>Qty UoM</b>                              | <b>Mixing Density lbm/gal</b> | <b>Yield ft3/sack</b>             | <b>Mix Fluid Gal</b>   | <b>Rate bbl/min</b> | <b>Total Mix Fluid Gal</b> |                      |
| 1   | Fresh Water       | Fresh Water                 | 40                    | bbl   | 8.33                          |                                   |                        | 4.0                 |                            |                      |
|   |                   |                             |                       |   |                               |                                   |                        |                     |                            |                      |
| <b>Fluid #</b>  | <b>Stage Type</b> | <b>Fluid Name</b>           | <b>Qty</b>            | <b>Qty UoM</b>                              | <b>Mixing Density lbm/gal</b> | <b>Yield ft3/sack</b>             | <b>Mix Fluid Gal</b>   | <b>Rate bbl/min</b> | <b>Total Mix Fluid Gal</b> |                      |
| 2   | VariCem GJ5       | VARICEM (TM) CEMENT         | 192                   | sack  | 12.3                          | 2.46                              |                        | 8.0                 | 14.17                      |                      |
| 14.12 Gal   |                   | FRESH WATER                 |                       |   |                               |                                   |                        |                     |                            |                      |

| Fluid #             | Stage Type               | Fluid Name               | Qty                 | Qty UoM | Mixing Density<br>lbm/gal | Yield<br>ft <sup>3</sup> /sack | Mix Fluid<br>Gal       | Rate<br>bbl/min | Total Mix<br>Fluid<br>Gal |
|---------------------|--------------------------|--------------------------|---------------------|---------|---------------------------|--------------------------------|------------------------|-----------------|---------------------------|
| 3                   | VariCem GJ5              | VARICEM (TM) CEMENT      | 120                 | sack    | 12.8                      | 2.18                           |                        | 8.0             | 12.11                     |
| 12.11 Gal           |                          | FRESH WATER              |                     |         |                           |                                |                        |                 |                           |
|                     |                          |                          |                     |         |                           |                                |                        |                 |                           |
| Fluid #             | Stage Type               | Fluid Name               | Qty                 | Qty UoM | Mixing Density<br>lbm/gal | Yield<br>ft <sup>3</sup> /sack | Mix Fluid<br>Gal       | Rate<br>bbl/min | Total Mix<br>Fluid<br>Gal |
| 4                   | Fresh Water Displacement | Fresh Water Displacement | 97.8                | bbl     | 8.3                       |                                |                        | 8.0             |                           |
|                     |                          |                          |                     |         |                           |                                |                        |                 |                           |
|                     |                          |                          |                     |         |                           |                                |                        |                 |                           |
| Cement Left In Pipe |                          | Amount                   | 44 ft               |         | Reason                    |                                |                        | Shoe Joint      |                           |
| Mix Water:          |                          | pH 6.5                   | Mix Water Chloride: |         | 0 ppm                     |                                | Mix Water Temperature: |                 | 76 °F °C                  |
| Plug Bumped?        |                          | Yes                      | Bump Pressure:      |         | 467 psi                   |                                | Floats Held?           |                 | Yes                       |
| Cement Returns:     |                          | 25 bbl                   |                     |         |                           |                                |                        |                 |                           |
|                     |                          |                          |                     |         |                           |                                |                        |                 |                           |
| Comment             |                          |                          |                     |         |                           |                                |                        |                 |                           |

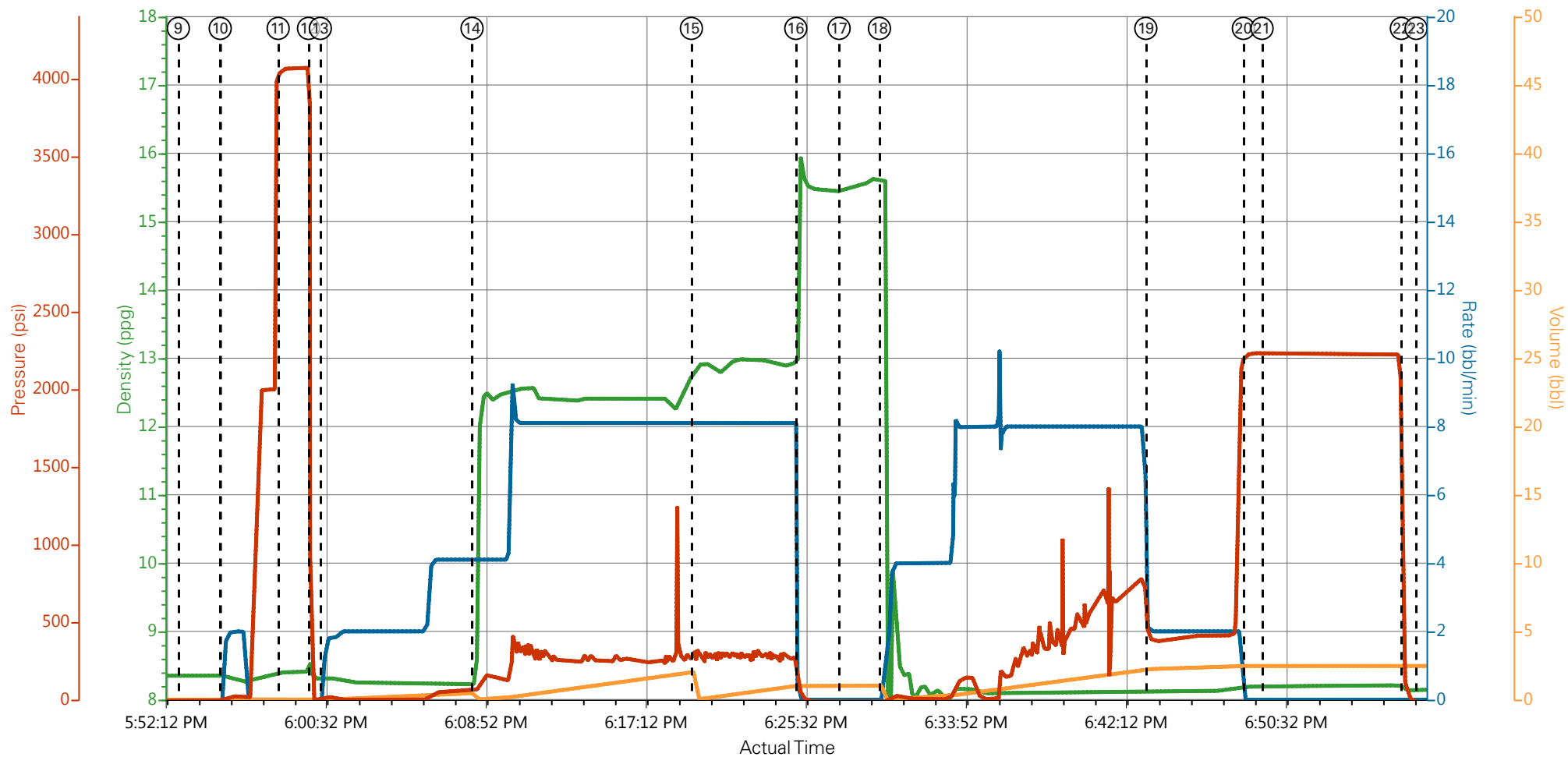
## 1.0 Real-Time Job Summary

## 1.1 Job Event Log

| Type  | Seq. No. | Graph Label                           | Date      | Time     | Source | Pass-Side Pump Pressure<br>(psi) | Downhole Density<br>(ppg) | Combined Pump Rate<br>(bbl/min) | Pump Stage Total<br>(bbl) | Comments   |
|-------|----------|---------------------------------------|-----------|----------|--------|----------------------------------|---------------------------|---------------------------------|---------------------------|--|
| Event | 1        | Call Out                              | 8/23/2015 | 10:00:00 | USER   |                                  |                           |                                 |                           | Crew already in field  |
| Event | 2        | Pre-Convoy Safety Meeting             | 8/23/2015 | 12:15:00 | USER   |                                  |                           |                                 |                           |  |
| Event | 3        | Crew Leave Yard                       | 8/23/2015 | 12:30:00 | USER   |                                  |                           |                                 |                           | 1 Elite, 1 660, 1 pickup, 1 iron truck                             |
| Event | 4        | Arrive At Loc                         | 8/23/2015 | 14:00:00 | USER   |                                  |                           |                                 |                           | O/L time 1600  |
| Event | 5        | Assessment Of Location Safety Meeting | 8/23/2015 | 14:15:00 | USER   |                                  |                           |                                 |                           | Rig still running casing   |
| Event | 6        | Pre-Rig Up Safety Meeting             | 8/23/2015 | 15:00:00 | USER   |                                  |                           |                                 |                           |  |
| Event | 7        | Rig-Up Equipment                      | 8/23/2015 | 15:15:00 | USER   |                                  |                           |                                 |                           | Hardline to standpipe, water hose to upright, bulk hose to 660     |
| Event | 8        | Pre-Job Safety Meeting                | 8/23/2015 | 16:15:00 | USER   |                                  |                           |                                 |                           | All HES personnel, rig crew, and company rep                       |
| Event | 9        | Start Job                             | 8/23/2015 | 17:53:00 | USER   |                                  |                           |                                 |                           | TD 1592', TP 1582', SJ 44.09', mud 9.2, 11" OH, 8 5/8" 24# J55 csg |
| Event | 10       | Prime Lines                           | 8/23/2015 | 17:55:10 | COM5   | 38                               | 8.33                      | 2.0                             | 2.0                       |  |
| Event | 11       | Test Lines                            | 8/23/2015 | 17:58:11 | COM5   | 4084                             |                           |                                 |                           | Pressure held well   |
| Event | 12       | Drop Bottom Plug                      | 8/23/2015 | 17:59:46 | USER   |                                  |                           |                                 |                           |  |
| Event | 13       | Pump H2O Spacer                       | 8/23/2015 | 18:00:23 | COM5   | 72                               | 8.33                      | 4.0                             | 40.0                      | Fresh Water  |
| Event | 14       | Pump Lead Cement                      | 8/23/2015 | 18:08:17 | COM5   | 380                              | 12.3                      | 8.0                             | 84.1                      | 192 sks, 12.3 ppg, 2.46 yield, 14.17 gal/sk                        |
| Event | 15       | Pump Tail Cement                      | 8/23/2015 | 18:19:43 | USER   | 321                              | 12.8                      | 8.0                             | 46.6                      | 120 sks, 12.8 ppg, 2.18 yield, 12.11 gal/sk                        |
| Event | 16       | Shutdown/Wash Up                      | 8/23/2015 | 18:25:09 | USER   |                                  |                           |                                 |                           | Wash up on top pf plug   |
| Event | 17       | Drop Top Plug                         | 8/23/2015 | 18:27:24 | USER   |                                  |                           |                                 |                           | Verified by tattletale   |

|       |    |                             |           |          |      |      |      |     |      |   |
|-------|----|-----------------------------|-----------|----------|------|------|------|-----|------|---|
| Event | 18 | Pump Displacement           | 8/23/2015 | 18:29:30 | USER | 787  | 8.33 | 8.0 | 97.8 | Fresh Water   |
| Event | 19 | Slow Rate                   | 8/23/2015 | 18:43:22 | USER | 410  | 8.33 | 2.0 | 10.0 | Good returns throughout job                           |
| Event | 20 | Bump Plug                   | 8/23/2015 | 18:48:27 | USER | 467  |      |     |      | 25 bbls cement to surrface                            |
| Event | 21 | Pressure Up                 | 8/23/2015 | 18:49:26 | USER | 2231 |      |     |      | Casing pressure test to 2000 psi                      |
| Event | 22 | Check Floats                | 8/23/2015 | 18:56:41 | USER |      |      |     |      | Floats held - 1 bbl flowback                          |
| Event | 23 | End Job                     | 8/23/2015 | 18:57:27 | COM5 |      |      |     |      | No derrick charge/no add hours/40 lbs sugar           |
| Event | 24 | Pre-Rig Down Safety Meeting | 8/23/2015 | 19:15:00 | USER |      |      |     |      |   |
| Event | 25 | Rig-Down Equipment          | 8/23/2015 | 19:30:00 | USER |      |      |     |      |   |
| Event | 26 | Pre-Convoy Safety Meeting   | 8/23/2015 | 20:15:00 | USER |      |      |     |      |   |
| Event | 27 | Crew Leave Location         | 8/23/2015 | 20:30:00 | USER |      |      |     |      | Thank you for using Halliburton – Ed Deussen and crew |

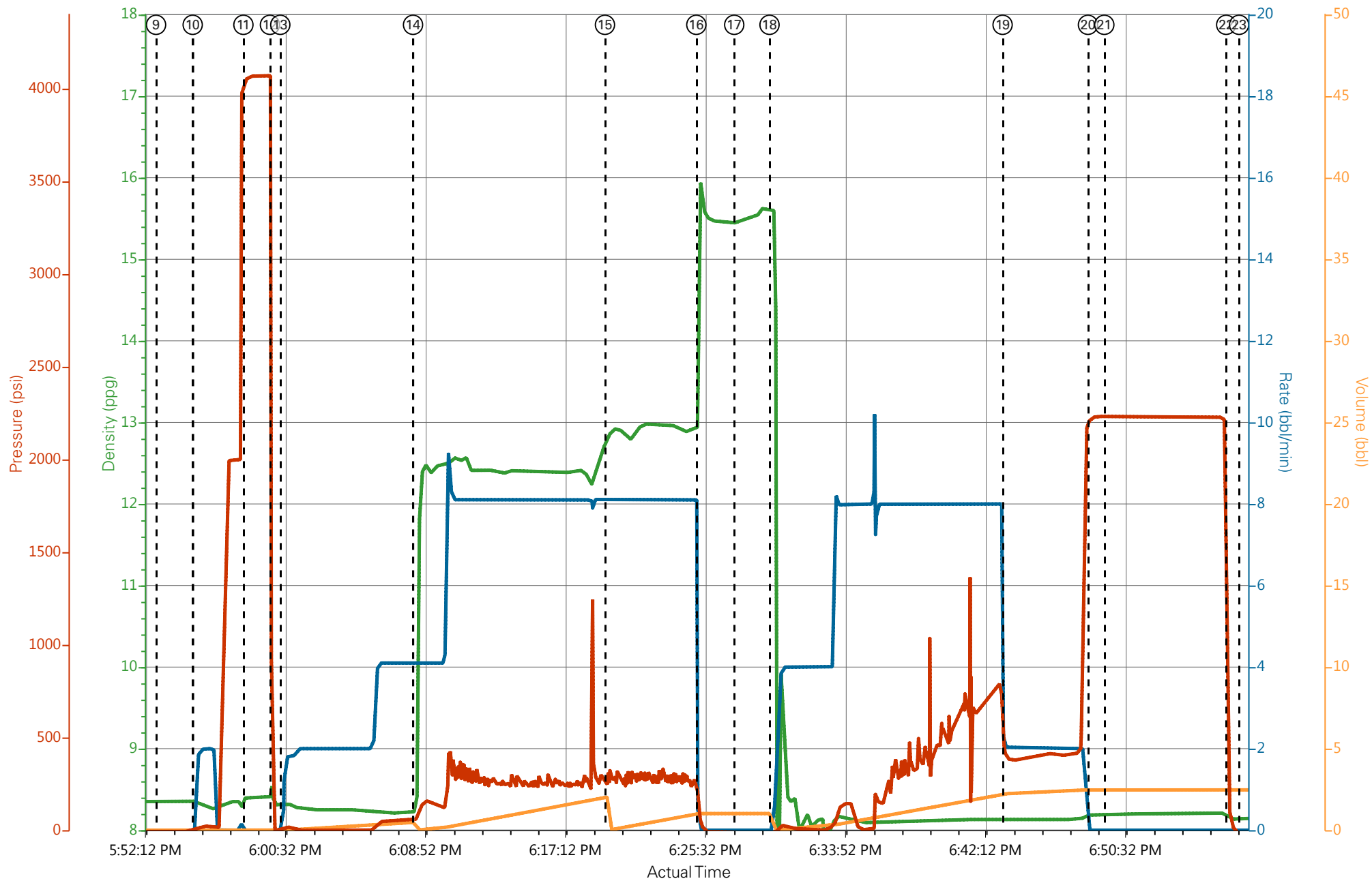
# PICEANCE ENERGY - 28-03M - 8 5/8" SURFACE



DH Density (ppg) 8.17    Comb Pump Rate (bbl/min) 0    PS Pump Press (psi) -19.7    Pump Stg Tot (bbl) 0.5

- |   |   |  |  |
|---|---|--|--|
| ① Call Out n/a;n/a;n/a;n/a                              | ⑨ Start Job 8.36;0;-7.7;0               | ⑰ Drop Top Plug 15.45;0;-14.7;1.02             | 25 Rig-Down Equipment n/a;n/a;n/a;n/a        |
| ② Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a             | ⑩ Prime Lines 8.35;0;7.3;0              | ⑱ Pump Displacement 15.6;0;-14.7;0             | 26 Pre-Convoy Safety Meeting n/a;n/a;n/a;n/a |
| ③ Crew Leave Yard n/a;n/a;n/a;n/a                       | ⑪ Test Lines 8.4;0;4056.3;0.05          | ⑲ Slow Rate 8.12;2;402.3;2.24                  | 27 Crew Leave Location n/a;n/a;n/a;n/a       |
| ④ Arrive At Loc n/a;n/a;n/a;n/a                         | ⑫ Drop Bottom Plug 8.34;0;-2.7;0.05     | 20 Bump Plug 8.19;0;2222.3;2.47                |  |
| ⑤ Assessment Of Location Safety Meeting n/a;n/a;n/a;n/a | ⑬ Pump H2O Spacer 8.31;0.5;3.3;0        | 21 Pressure Up 8.19;0;2231.3;2.47              |  |
| ⑥ Pre-Rig Up Safety Meeting n/a;n/a;n/a;n/a             | ⑭ Pump Lead Cement 8.27;4.1;61.3;0      | 22 Check Floats 8.14;0;102.3;2.47              |  |
| ⑦ Rig-Up Equipment n/a;n/a;n/a;n/a                      | ⑮ Pump Tail Cement 12.82;8.1;306.3;2.04 | 23 End Job 8.14;0;-18.7;2.47                   |  |
| ⑧ Pre-Job Safety Meeting n/a;n/a;n/a;n/a                | ⑯ Shutdown/Wash Up 15.94;0;67.3;1.02    | 24 Pre-Rig Down Safety Meeting n/a;n/a;n/a;n/a |  |

# PICEANCE ENERGY - 28-03M - 8 5/8" SURFACE



DH Density (ppg) 8.17 Comb Pump Rate (bbl/min) 0 PS Pump Press (psi) -19.7 Pump Stg Tot (bbl) 0.5

# HALLIBURTON

## Water Analysis Report

Company: PICEANCE ENERGY

Submitted by: ED DEUSSEN

Attention: J.TROUT

Lease FED

Well # 28-03M

Date: 8/23/2015

Date Rec.: 8/23/2015

S.O.# 902687828

Job Type: SURFACE

|                             |              |                       |
|-----------------------------|--------------|-----------------------|
| Specific Gravity            | <i>MAX</i>   | <b>1</b>              |
| pH                          | <i>8</i>     | <b>6.5</b>            |
| Potassium (K)               | <i>5000</i>  | <b>0</b> Mg / L       |
| Calcium (Ca)                | <i>500</i>   | <b>120</b> Mg / L     |
| Iron (FE2)                  | <i>300</i>   | <b>0</b> Mg / L       |
| Chlorides (Cl)              | <i>3000</i>  | <b>0</b> Mg / L       |
| Sulfates (SO <sub>4</sub> ) | <i>1500</i>  | <b>&lt;200</b> Mg / L |
|                             |              |                       |
| Temp                        | <i>40-80</i> | <b>76</b> Deg         |
| Total Dissolved Solids      |              | <b>290</b> Mg / L     |

Respectfully: ED DEUSSEN

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



|   |                                |   |
|---|--------------------------------|---|
| <b>Sales Order #:</b><br>0902687828             | <b>Line Item:</b><br>10        | <b>Survey Conducted Date:</b><br>8/24/2015                    |
| <b>Customer:</b><br>PICEANCE ENERGY LLC - EBUS  |                                | <b>Job Type (BOM):</b><br>CMT SURFACE CASING BOM              |
| <b>Customer Representative:</b><br>MATT SETTLES |                                | <b>API / UWI: (leave blank if unknown)</b><br>05-077-10241-00 |
| <b>Well Name:</b><br>PICEANCE FED               |                                | <b>Well Number:</b><br>0080734135                             |
| <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>MESA                                   |

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                              | 8/24/2015    |
| Survey Interviewer      | The survey interviewer is the person who initiated the survey. | HB57194      |
| Customer Participation  | Did the customer participate in this survey? (Y/N)             | Yes          |
| Customer Representative | Enter the Customer representative name                         | MATT SETTLES |
| 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>0902687828             | <b>Line Item:</b><br>10        | <b>Survey Conducted Date:</b><br>8/24/2015                    |
| <b>Customer:</b><br>PICEANCE ENERGY LLC - EBUS  |                                | <b>Job Type (BOM):</b><br>CMT SURFACE CASING BOM              |
| <b>Customer Representative:</b><br>MATT SETTLES |                                | <b>API / UWI: (leave blank if unknown)</b><br>05-077-10241-00 |
| <b>Well Name:</b><br>PICEANCE FED               |                                | <b>Well Number:</b><br>0080734135                             |
| <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>MESA                                   |

### KEY PERFORMANCE INDICATORS

| General   |           |
|---|-----------|
| <b>Survey Conducted Date</b><br>The date the survey was conducted | 8/24/2015 |

| 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.  | 4                       |
| <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.   | 2                       |
| <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   | 5                       |
| <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>0902687828             | <b>Line Item:</b><br>10        | <b>Survey Conducted Date:</b><br>8/24/2015                    |
| <b>Customer:</b><br>PICEANCE ENERGY LLC - EBUS  |                                | <b>Job Type (BOM):</b><br>CMT SURFACE CASING BOM              |
| <b>Customer Representative:</b><br>MATT SETTLES |                                | <b>API / UWI: (leave blank if unknown)</b><br>05-077-10241-00 |
| <b>Well Name:</b><br>PICEANCE FED               |                                | <b>Well Number:</b><br>0080734135                             |
| <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>MESA                                   |

|  |               |
|--|---------------|
| 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>Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment?</b><br>Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment?              | No            |
| <b>Did We Run Wiper Plugs?</b><br>Did We Run Top And Bottom Casing Wiper Plugs?  | Both          |
| <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)  | Not Available |
| <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       | 99            |
| <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 | 99            |
| <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             |