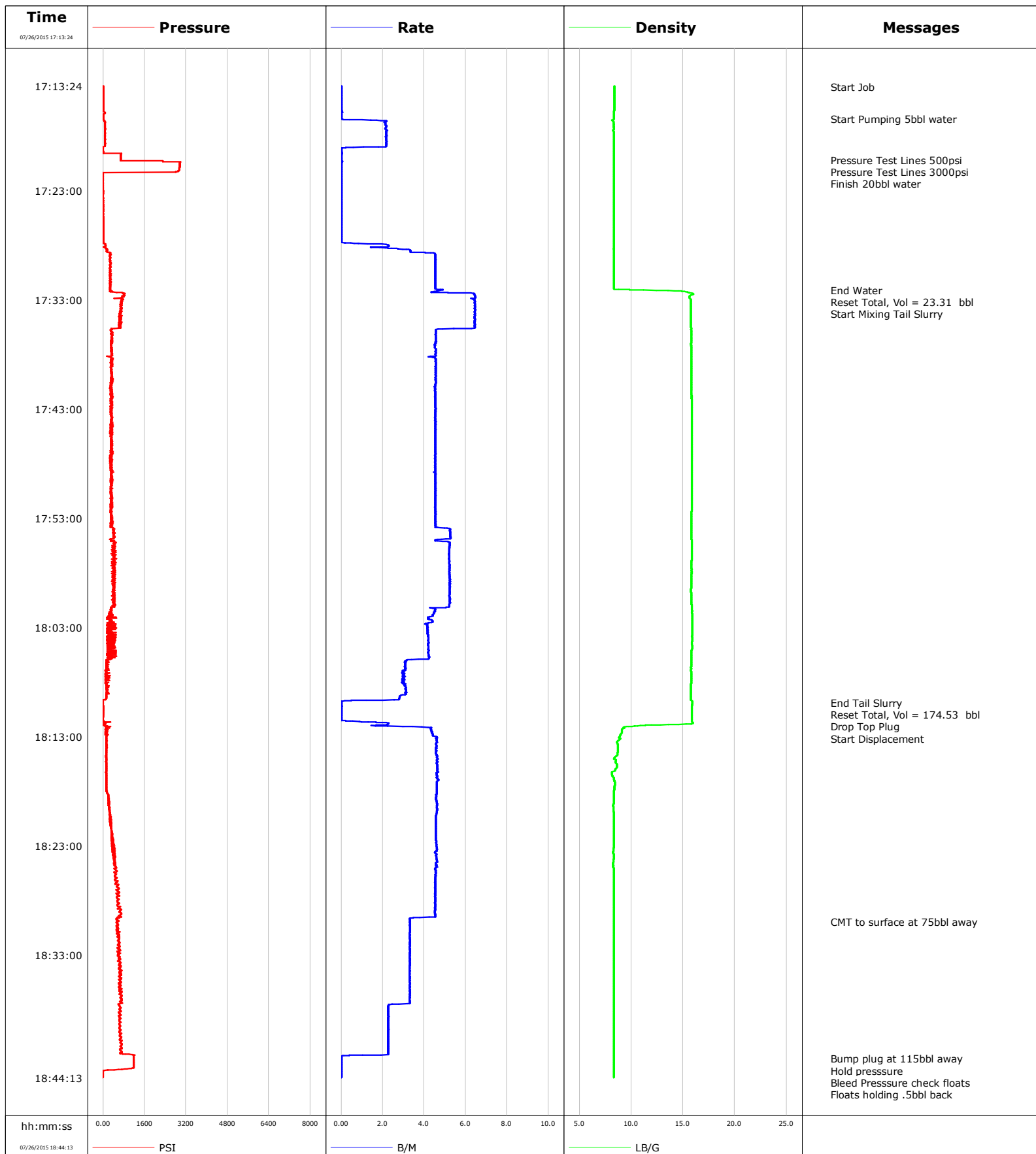


**Well** Troudt  
**Field** DJ  
**Engineer** Chris Valerio/Charles Peavey  
**Country** United States

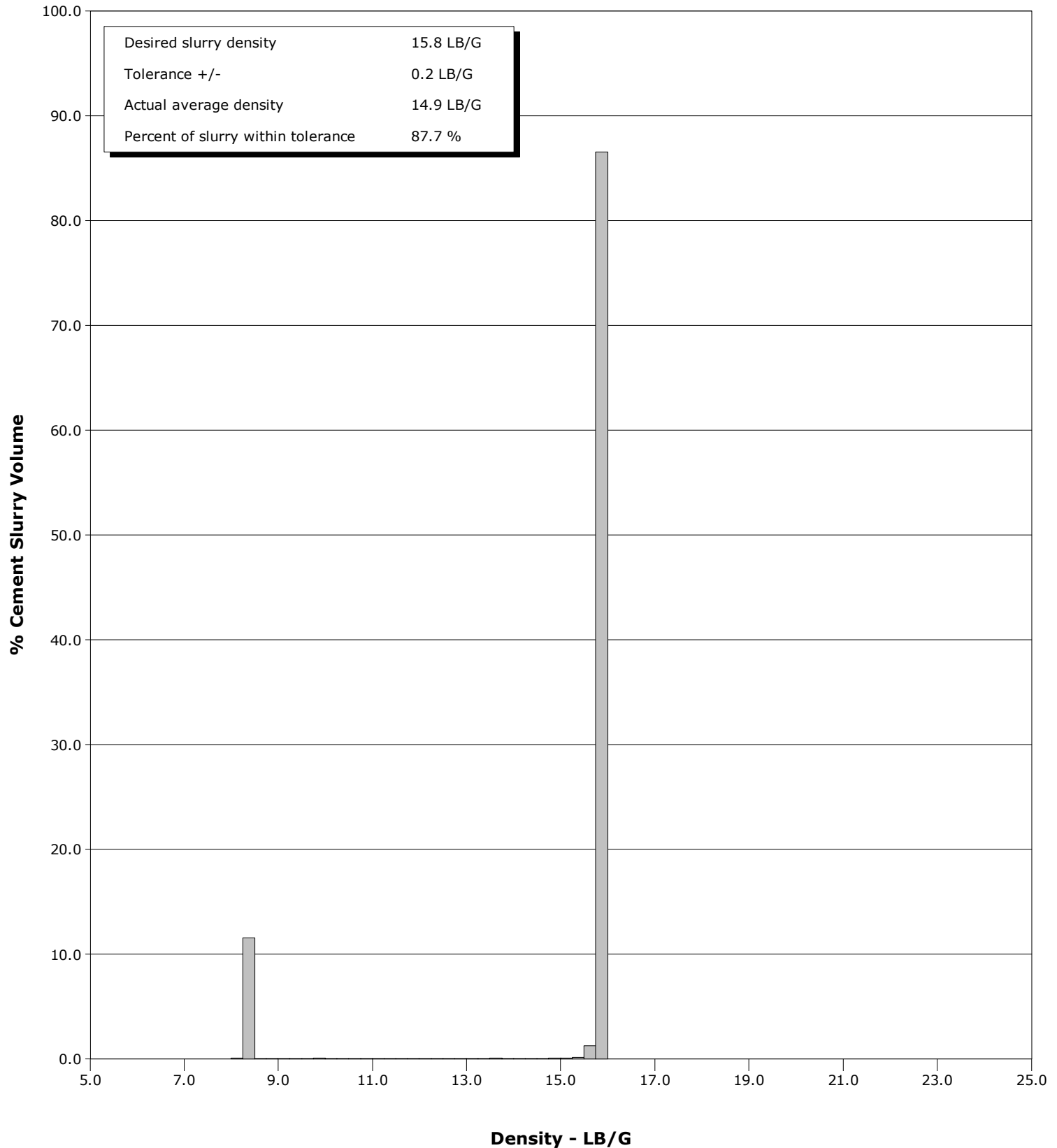
**Client** Extraction  
**SIR No.** DAXH-00278  
**Job Type** Surfae  
**Job Date** 07-26-2015



**Well** Troudt  
**Field** DJ  
**Engineer** Chris Valerio/Charles Peavey  
**Country** United States

**Client** Extraction  
**SIR No.** DAXH-00278  
**Job Type** Surface  
**Job Date** 07-26-2015

Cement Slurry - 07/26/2015 17:13:24 to 07/26/2015 18:09:52



# Cementing Service Report

|   |                        |  |                     |                                     |               |                              |  |                           |                          |                                |  |
|---|------------------------|--|---------------------|-------------------------------------|---------------|------------------------------|--|---------------------------|--------------------------|--------------------------------|--|
|   |                        |  |                     | Customer<br>Extraction              |               |                              |  | Job Number<br>DAXH-00278  |                          |                                |  |
| Well<br>Troud #5  |                        |  | Location (legal)    |                                     |               | Schlumberger Location        |  |                           | Job Start<br>Jul/26/2015 |                                |  |
| Field<br>DJ   |                        | Formation Name/Type<br>Shale   |                     | Deviation<br>deg                    |               | Bit Size<br>13.5 in          |  | Well MD<br>1524.0 ft      |                          | Well TVD<br>1524.0 ft          |  |
| County<br>Weld  |                        | State/Province<br>Colorado   |                     | BHP<br>psi                          |               | BHST<br>99 degF              |  | BHCT<br>84 degF           |                          | Pore Press. Gradient<br>lb/gal |  |
| Well Master<br>631646504                                  |                        | API/UWI<br>05-123-41434  |                     |                                     |               |                              |  |                           |                          |                                |  |
| Rig Name<br>White Mountain #344                           |                        | Drilled For<br>Oil   |                     | Service Via<br>Land                 |               | Casing/ Liner                |  |                           |                          |                                |  |
|   |                        |  |                     |                                     |               | Depth, ft                    |  | Size, in                  |                          | Weight, lb/ft                  |  |
|   |                        |  |                     |                                     |               |                              |  |                           |                          |                                |  |
| Offshore Zone   |                        | Well Class<br>New  |                     | Well Type<br>Development            |               | 1524.0                       |  | 9.6                       |                          | 36.0                           |  |
|   |                        |  |                     |                                     |               | 0.0                          |  | 0.0                       |                          | 0.0                            |  |
| Drilling Fluid Type<br>Other                              |                        | Max. Density<br>lb/gal   |                     | Plastic Viscosity<br>cP             |               | Tubing/Drill Pipe            |  |                           |                          |                                |  |
|   |                        |  |                     |                                     |               | T/D                          |  | Depth, ft                 |                          | Size, in                       |  |
|   |                        |  |                     |                                     |               |                              |  |                           |                          |                                |  |
| Service Line<br>Cementing                                 |                        | Job Type<br>Surfcae  |                     |                                     |               |                              |  |                           |                          |                                |  |
|   |                        |  |                     |                                     |               |                              |  |                           |                          |                                |  |
| Max. Allowed Tub. Press<br>2500 psi                       |                        | Max. Allowed Ann. Press<br>psi   |                     | WH Connection<br>Single Cement head |               | Perforations/Open Hole       |  |                           |                          |                                |  |
|   |                        |  |                     |                                     |               | Top, ft                      |  | Bottom, ft                |                          | shot/ft                        |  |
|   |                        |  |                     |                                     |               | ft                           |  | ft                        |                          |                                |  |
|   |                        |  |                     |                                     |               | ft                           |  | ft                        |                          |                                |  |
|   |                        |  |                     |                                     |               | Treat Down<br>Casing         |  | Displacement<br>114.4 bbl |                          | Packer Type                    |  |
|   |                        |  |                     |                                     |               |                              |  |                           |                          | Packer Depth<br>ft             |  |
|   |                        |  |                     |                                     |               | Tubing Vol.<br>bbl           |  | Casing Vol.<br>117.8 bbl  |                          | Annular Vol.<br>166.0 bbl      |  |
|   |                        |  |                     |                                     |               |                              |  |                           |                          | Openhole Vol.<br>bbl           |  |
| Casing/Tubing Secured <input checked="" type="checkbox"/> |                        | 1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/> |                     | Casing Tools                        |               |                              |  | Squeeze Job               |                          |                                |  |
| Lift Pressure<br>755 psi                                  |                        |  |                     | Shoe Type<br>Float                  |               |                              |  | Squeeze Type              |                          |                                |  |
| Pipe Rotated <input type="checkbox"/>                     |                        | Pipe Reciprocated <input type="checkbox"/>                                 |                     | Shoe Depth<br>1524.0 ft             |               |                              |  | Tool Type                 |                          |                                |  |
| No. Centralizers  |                        | Top Plugs<br>1   |                     | Bottom Plugs                        |               | Stage Tool Type              |  |                           |                          | Tool Depth<br>ft               |  |
| Cement Head Type<br>Single                                |                        |  |                     |                                     |               | Stage Tool Depth<br>ft       |  |                           |                          | Tail Pipe Size<br>in           |  |
| Job Scheduled For<br>Jul/26/2015 16:00                    |                        | Arrived on Location<br>Jul/26/2015 16:00                                   |                     | Leave Location<br>Jul/26/2015 20:00 |               | Collar Type<br>Float         |  |                           |                          | Tail Pipe Depth<br>ft          |  |
|   |                        |  |                     |                                     |               | Collar Depth<br>1480.0 ft    |  |                           |                          | Sqz. Total Vol.<br>bbl         |  |
| Date  | Time<br>24-hr<br>clock | Treating<br>Pressure<br>PSI  | Flow<br>Rate<br>B/M | Density<br>LB/G                     | Volume<br>BBL | Message                      |  |                           |                          |                                |  |
| 07/26/2015  | 17:13:24               | 1  | 0.0                 | 8.37                                | 0.0           | Started Acquisition          |  |                           |                          |                                |  |
| 07/26/2015  | 17:13:28               | 0  | 0.0                 | 8.37                                | 0.0           | Start Job                    |  |                           |                          |                                |  |
| 07/26/2015  | 17:16:24               | 8  | 0.0                 | 8.32                                | 0.0           | Start Pumping 5bbl water     |  |                           |                          |                                |  |
| 07/26/2015  | 17:18:24               | 72   | 2.2                 | 8.32                                | 4.0           |                              |  |                           |                          |                                |  |
| 07/26/2015  | 17:20:10               | 671  | 0.0                 | 8.32                                | 5.4           | Pressure Test Lines 500psi   |  |                           |                          |                                |  |
| 07/26/2015  | 17:21:00               | 2947   | 0.0                 | 8.32                                | 5.4           | Pressure Test Lines 3000psi  |  |                           |                          |                                |  |
| 07/26/2015  | 17:21:57               | -1   | 0.0                 | 8.32                                | 5.4           | Finish 20bbl water           |  |                           |                          |                                |  |
| 07/26/2015  | 17:23:24               | -1   | 0.0                 | 8.32                                | 5.5           |                              |  |                           |                          |                                |  |
| 07/26/2015  | 17:28:24               | 175  | 3.3                 | 8.31                                | 6.7           |                              |  |                           |                          |                                |  |
| 07/26/2015  | 17:32:05               | 268  | 4.9                 | 9.86                                | 23.1          | End Water                    |  |                           |                          |                                |  |
| 07/26/2015  | 17:32:07               | 264  | 4.7                 | 12.44                               | 23.2          | Reset Total, Vol = 23.31 bbl |  |                           |                          |                                |  |
| 07/26/2015  | 17:32:30               | 796  | 6.4                 | 15.98                               | 25.2          | Start Mixing Tail Slurry     |  |                           |                          |                                |  |
| 07/26/2015  | 17:33:24               | 701  | 6.5                 | 15.72                               | 31.0          |                              |  |                           |                          |                                |  |
| 07/26/2015  | 17:38:24               | 324  | 4.6                 | 15.80                               | 58.0          |                              |  |                           |                          |                                |  |
| 07/26/2015  | 17:43:24               | 299  | 4.5                 | 15.83                               | 80.7          |                              |  |                           |                          |                                |  |
| 07/26/2015  | 17:48:24               | 301  | 4.5                 | 15.83                               | 103.4         |                              |  |                           |                          |                                |  |
| 07/26/2015  | 17:53:24               | 296  | 4.5                 | 15.79                               | 126.1         |                              |  |                           |                          |                                |  |
| 07/26/2015  | 17:58:24               | 425  | 5.2                 | 15.81                               | 151.7         |                              |  |                           |                          |                                |  |
| 07/26/2015  | 18:03:24               | 176  | 4.2                 | 15.88                               | 175.8         |                              |  |                           |                          |                                |  |
| 07/26/2015  | 18:08:24               | 123  | 3.1                 | 15.76                               | 194.0         |                              |  |                           |                          |                                |  |
| 07/26/2015  | 18:09:52               | -7   | 0.0                 | 15.86                               | 197.8         | End Tail Slurry              |  |                           |                          |                                |  |

| Well       |                        |                             | Field               |                 | Job Start     | Customer                     |  | Job Number |
|------------|------------------------|-----------------------------|---------------------|-----------------|---------------|------------------------------|--|------------|
| Troud #5   |                        |                             | DJ                  |                 | Jul/26/2015   | Extraction                   |  | DAXH-00278 |
| Date       | Time<br>24-hr<br>clock | Treating<br>Pressure<br>PSI | Flow<br>Rate<br>B/M | Density<br>LB/G | Volume<br>BBL | Message                      |  |            |
| 07/26/2015 | 18:09:58               | -7                          | 0.0                 | 15.86           | 197.8         | Drop Top Plug                |  |            |
| 07/26/2015 | 18:13:24               | 137                         | 4.6                 | 8.73            | 204.6         |                              |  |            |
| 07/26/2015 | 18:18:24               | 199                         | 4.6                 | 8.34            | 227.7         |                              |  |            |
| 07/26/2015 | 18:23:24               | 450                         | 4.6                 | 8.28            | 250.6         |                              |  |            |
| 07/26/2015 | 18:28:24               | 550                         | 4.5                 | 8.32            | 273.3         |                              |  |            |
| 07/26/2015 | 18:29:58               | 550                         | 3.3                 | 8.32            | 279.9         | CMT to surface at 75bbl away |  |            |
| 07/26/2015 | 18:33:24               | 657                         | 3.3                 | 8.32            | 291.2         |                              |  |            |
| 07/26/2015 | 18:38:24               | 649                         | 2.3                 | 8.32            | 306.8         |                              |  |            |
| 07/26/2015 | 18:42:28               | 1184                        | 0.0                 | 8.33            | 315.3         | Bump plug at 115bbl away     |  |            |
| 07/26/2015 | 18:42:46               | 1186                        | 0.0                 | 8.32            | 315.3         | Hold presssure               |  |            |
| 07/26/2015 | 18:43:21               | 1132                        | 0.0                 | 8.33            | 315.3         | Bleed Presssure check floats |  |            |
| 07/26/2015 | 18:43:24               | 1015                        | 0.0                 | 8.33            | 315.3         |                              |  |            |
| 07/26/2015 | 18:43:57               | -4                          | 0.0                 | 8.33            | 315.3         | Floats holding .5bbl back    |  |            |

### Post Job Summary

| Average Pump Rates, bbl/min                          |                                     |                           |   |                               | Volume of Fluid Injected, bbl |  |  |  |  |  |  |
|--|-------------------------------------|---------------------------|---|-------------------------------|-------------------------------|--|--|--|--|--|--|
| Slurry<br>3.6  | N2                                  | Mud                       | Maximum Rate<br>6.5                                     | Total Slurry<br>170.0         | Mud<br>0.0                    | Spacer<br>0.0                                | N2   |  |  |  |  |
| Treating Pressure Summary, psi                       |                                     |                           |   |                               | Breakdown Fluid               |  |  |  |  |  |  |
| Maximum<br>1186                                      | Final<br>-3                         | Average<br>384            | Bump Plug to<br>1186                                    | Breakdown                     | Type                          | Volume<br>bbl                                | Density<br>lb/gal                                    |  |  |  |  |
| Avg. N2 Percent<br>%                                 | Designed Slurry Volume<br>170.0 bbl | Displacement<br>115.0 bbl | Mix Water Temp<br>71 degF                               | Cement Circulated to Surface? |                               | <input checked="" type="checkbox"/>          | Volume<br>39.0 bbl                                   |  |  |  |  |
|  |                                     |                           |   | Washed Thru Perfs             |                               | <input type="checkbox"/>                     | To<br>ft   |  |  |  |  |
| Customer or Authorized Representative<br>Jose Torres |                                     |                           | Schlumberger Supervisor<br>Chris Valerio/Charles Peavey |                               |                               | Circulation Lost<br><input type="checkbox"/> | Job Completed<br><input checked="" type="checkbox"/> |  |  |  |  |
|  |                                     |                           |   |                               |                               | -  | -  |  |  |  |  |