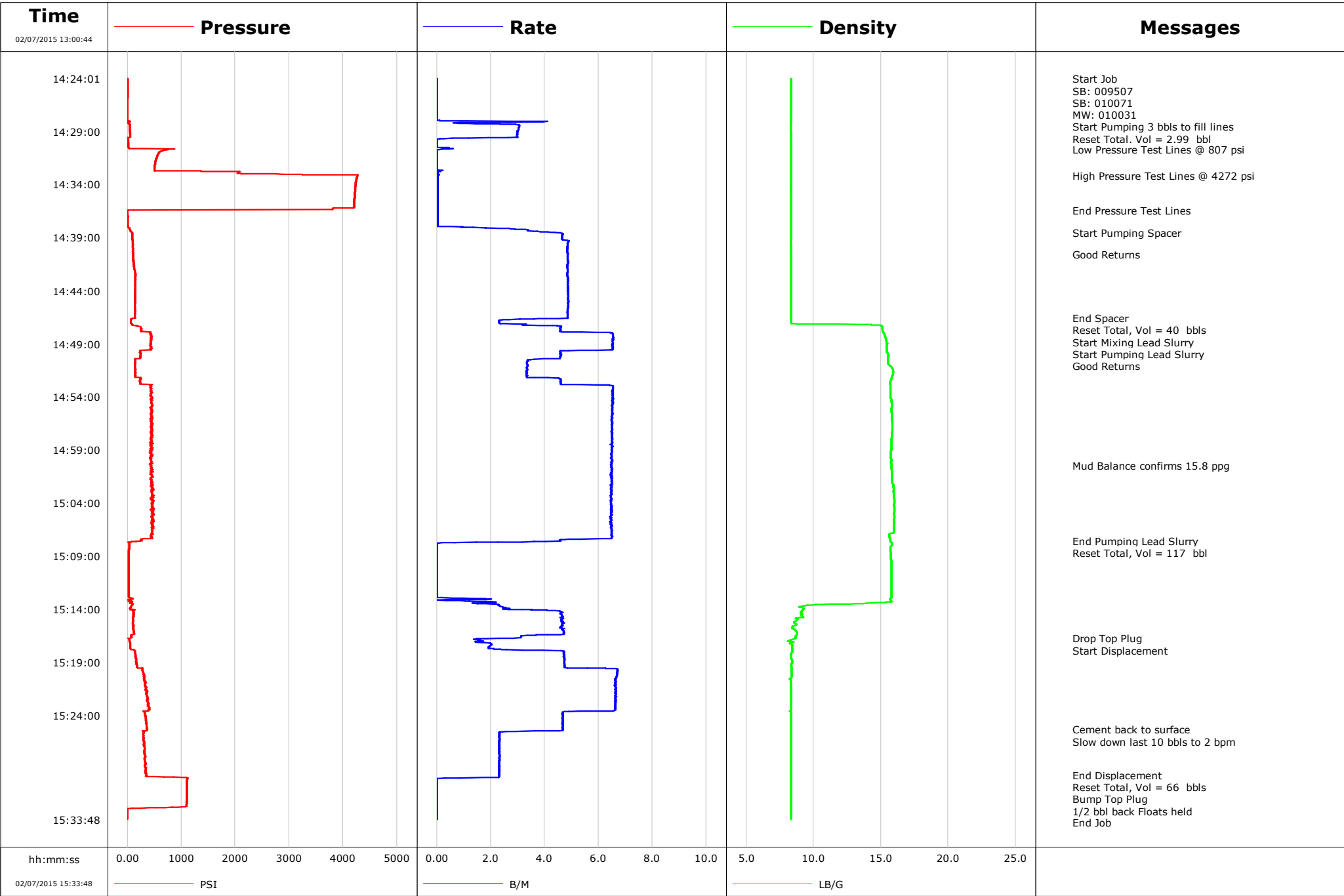


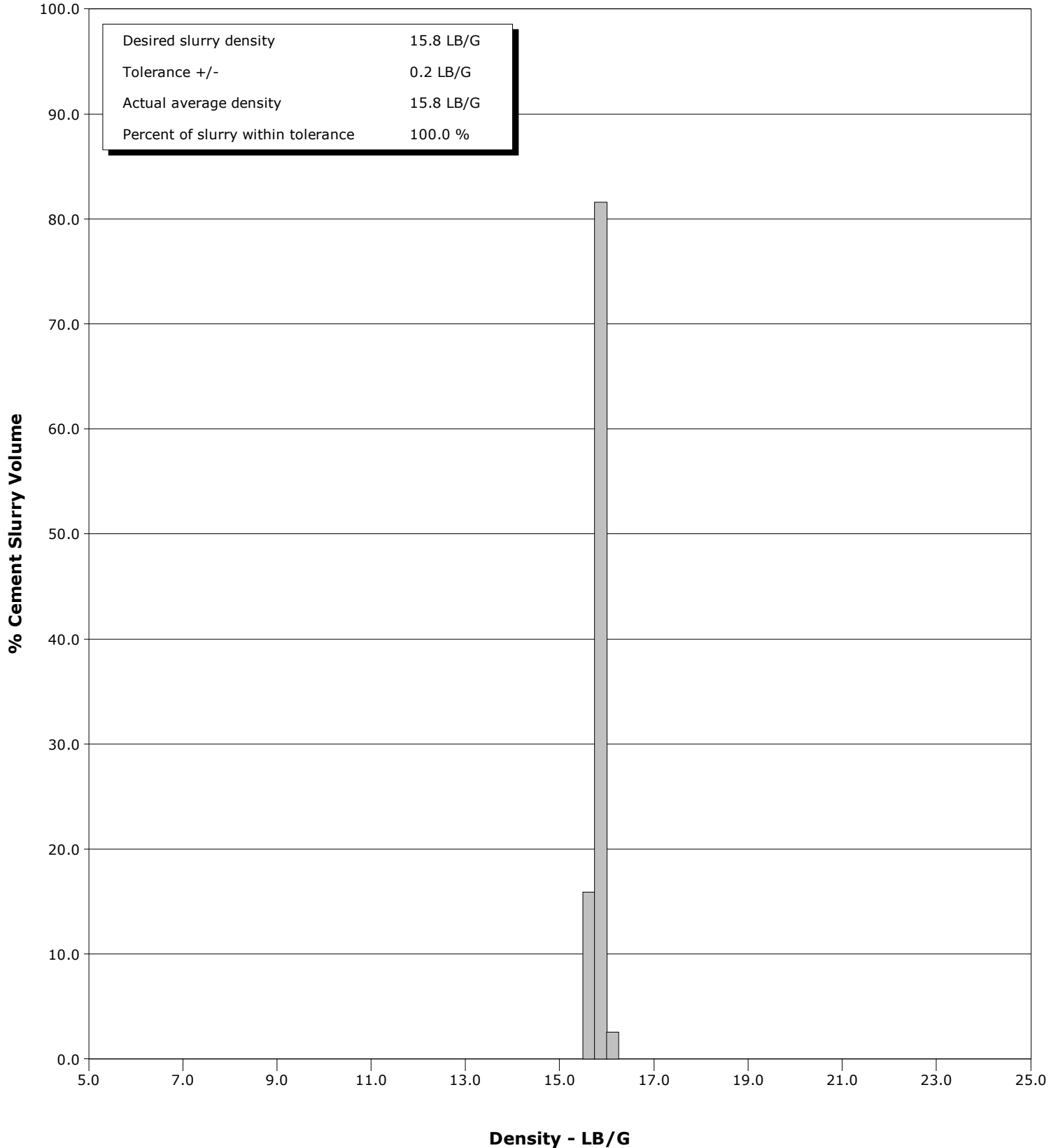
|                 |                                 |                 |                        |
|-----------------|---------------------------------|-----------------|------------------------|
| <b>Well</b>     | Waag Middle 6                   | <b>Client</b>   | Extraction Oil and Gas |
| <b>Field</b>    | Wattenberg                      | <b>SIR No.</b>  | D5VO-00283             |
| <b>Engineer</b> | Christopher Akwaja/ Stacy Terry | <b>Job Type</b> | Surface Casing         |
| <b>Country</b>  | United States                   | <b>Job Date</b> | 02-07-2015             |



**Well** Waag Middle 6  
**Field** Wattenberg  
**Engineer** Christopher Akwaja/ Stacy Terry  
**Country** United States

**Client** Extraction Oil and Gas  
**SIR No.** D5VO-00283  
**Job Type** Surface Casing  
**Job Date** 02-07-2015

**Cement Slurry - 02/07/2015 14:52:24 to 02/07/2015 15:07:44**



# Cementing Service Report

|   |                        |                             |  |                                    |                         |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
|---|------------------------|-----------------------------|--|------------------------------------|-------------------------|--------------------------------------|--------------------------|---------------------|--------------------------|---------------------|------------|--------------------------------|---------------|--------|--------------|--|----------------------|--|
|   |                        |                             |  | Customer<br>Extraction Oil and Gas |                         |                                      | Job Number<br>D5VO-00283 |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| Well<br>Waag Middle 6 631621830   |                        |                             | Location (legal)<br>Sec. 19-T07N-R65W                                      |                                    |                         | Schlumberger Location<br>Bakersfield |                          |                     | Job Start<br>Feb/07/2015 |                     |            |                                |               |        |              |  |                      |  |
| Field<br>Wattenberg   |                        |                             | Formation Name/Type  |                                    |                         | Deviation<br>0 deg                   |                          | Bit Size<br>13.5 in |                          | Well MD<br>900.0 ft |            | Well TVD<br>900.0 ft           |               |        |              |  |                      |  |
| County<br>Weld  |                        |                             | State/Province<br>Colorado   |                                    |                         | BHP<br>psi                           |                          | BHST<br>91 degF     |                          | BHCT<br>81 degF     |            | Pore Press. Gradient<br>lb/gal |               |        |              |  |                      |  |
| Well Master<br>0631621830   |                        |                             | API/UWI  |                                    |                         |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| Rig Name<br>HP 319  |                        | Drilled For<br>Oil and Gas  |  | Service Via<br>Land                |                         | Casing/Liner                         |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
|   |                        |                             |  |                                    |                         | Depth, ft                            |                          | Size, in            |                          | Weight, lb/ft       |            | Grade                          |               | Thread |              |  |                      |  |
| Offshore Zone   |                        | Well Class<br>New           |  | Well Type<br>Development           |                         | 900.0                                |                          | 9.6                 |                          | 36.0                |            | H-40                           |               |        |              |  |                      |  |
|   |                        |                             |  |                                    |                         | 0.0                                  |                          | 0.0                 |                          | 0.0                 |            |                                |               |        |              |  |                      |  |
| Drilling Fluid Type   |                        |                             | Max. Density<br>lb/gal   |                                    | Plastic Viscosity<br>cP |                                      | Tubing/Drill Pipe        |                     |                          |                     |            |                                |               |        |              |  |                      |  |
|   |                        |                             |  |                                    |                         |                                      | T/D                      |                     | Depth, ft                |                     | Size, in   |                                | Weight, lb/ft |        | Grade        |  | Thread               |  |
| Service Line<br>Cementing   |                        |                             | Job Type<br>Surface Casing   |                                    |                         |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| Max. Allowed Tub. Press<br>psi  |                        |                             | Max. Allowed Ann. Press<br>psi   |                                    |                         | WH Connection                        |                          |                     | Perforations/Open Hole   |                     |            |                                |               |        |              |  |                      |  |
|   |                        |                             |  |                                    |                         |                                      |                          |                     | Top, ft                  |                     | Bottom, ft |                                | shot/ft       |        | No. of Shots |  | Total Interval<br>ft |  |
| Service Instructions<br>Set 9 5/8" surface casing in a 13.5" hole to 900 feet using Class G cement plus additives |                        |                             |  |                                    |                         |                                      |                          |                     | ft                       |                     | ft         |                                |               |        |              |  |                      |  |
|   |                        |                             |  |                                    |                         |                                      |                          |                     | ft                       |                     | ft         |                                |               |        |              |  | Diameter<br>in       |  |
|   |                        |                             |  |                                    |                         |                                      |                          |                     | ft                       |                     | ft         |                                |               |        |              |  |                      |  |
|   |                        |                             | Treat Down<br>Casing   |                                    |                         | Displacement<br>bbl                  |                          |                     | Packer Type              |                     |            | Packer Depth<br>ft             |               |        |              |  |                      |  |
|   |                        |                             | Tubing Vol.<br>bbl   |                                    |                         | Casing Vol.<br>bbl                   |                          |                     | Annular Vol.<br>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>psi  |                        |                             |  |                                    |                         | Shoe Type<br>Float                   |                          |                     | Squeeze Type             |                     |            |                                |               |        |              |  |                      |  |
| Pipe Rotated <input type="checkbox"/>   |                        |                             | Pipe Reciprocated <input type="checkbox"/>                                 |                                    |                         | Shoe Depth<br>915.0 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>Feb/07/2015 11:30  |                        |                             | Arrived on Location<br>Feb/07/2015 11:30                                   |                                    |                         | Leave Location<br>Feb/07/2015        |                          |                     | Collar Type<br>Float     |                     |            | Tail Pipe Depth<br>ft          |               |        |              |  |                      |  |
|   |                        |                             |  |                                    |                         |                                      |                          |                     | Collar Depth<br>853.3 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                              |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 13:00:44               | -1                          | 0.3  | 8.32                               | 0.0                     | Started Acquisition                  |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:24:01               | 1                           | 0.0  | 8.33                               | 0.0                     | Start Job                            |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:24:04               | 1                           | 0.0  | 8.33                               | 0.0                     |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:24:41               | 1                           | 0.0  | 8.33                               | 0.0                     | SB: 009507                           |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:24:42               | 1                           | 0.0  | 8.33                               | 0.0                     | SB: 010071                           |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:25:44               | 1                           | 0.0  | 8.33                               | 0.0                     |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:27:24               | -2                          | 0.0  | 8.33                               | 0.0                     |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:28:12               | 11                          | 1.0  | 8.31                               | 0.0                     | Start Pumping 3 bbls to fill lines   |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:29:04               | 46                          | 2.3  | 8.32                               | 1.9                     |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:29:40               | 4                           | 0.4  | 8.32                               | 3.1                     | Reset Total, Vol = 2.99 bbl          |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:30:40               | 807                         | 0.3  | 8.32                               | 3.2                     | Low Pressure Test Lines @ 807 psi    |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:30:44               | 732                         | 0.0  | 8.32                               | 3.2                     |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:32:24               | 504                         | 0.0  | 8.32                               | 3.2                     |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:33:08               | 4272                        | 0.1  | 8.32                               | 3.2                     | High Pressure Test Lines @ 4272 psi  |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:34:04               | 4229                        | 0.0  | 8.32                               | 3.2                     |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:35:44               | 4205                        | 0.0  | 8.32                               | 3.2                     |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:36:24               | 118                         | 0.0  | 8.32                               | 3.2                     | End Pressure Test Lines              |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:37:24               | 7                           | 0.0  | 8.32                               | 3.2                     |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:38:32               | 90                          | 4.3  | 8.32                               | 4.8                     | Start Pumping Spacer                 |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:39:04               | 91                          | 4.2  | 8.32                               | 7.0                     |                                      |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |
| 02/07/2015  | 14:40:34               | 104                         | 4.5  | 8.32                               | 13.7                    | Good Returns                         |                          |                     |                          |                     |            |                                |               |        |              |  |                      |  |

| Well<br>Waag Middle 6 631621830 |                        |                             | Field<br>Wattenberg |                 | Job Start<br>Feb/07/2015 | Customer<br>Extraction Oil and Gas |  | Job Number<br>D5VO-00283 |
|---------------------------------|------------------------|-----------------------------|---------------------|-----------------|--------------------------|------------------------------------|--|--------------------------|
| 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                            |  |                          |
| 02/07/2015                      | 14:42:24               | 148                         | 4.4                 | 8.32            | 21.8                     |                                    |  |                          |
| 02/07/2015                      | 14:44:04               | 141                         | 4.4                 | 8.32            | 29.2                     |                                    |  |                          |
| 02/07/2015                      | 14:45:44               | 138                         | 4.4                 | 8.32            | 36.6                     |                                    |  |                          |
| 02/07/2015                      | 14:46:35               | 140                         | 4.3                 | 8.32            | 40.4                     | End Spacer                         |  |                          |
| 02/07/2015                      | 14:46:36               | 102                         | 3.2                 | 8.32            | 40.4                     | Reset Total, Vol = 40 bbls         |  |                          |
| 02/07/2015                      | 14:47:08               | 82                          | 2.0                 | 8.94            | 41.6                     | Start Mixing Lead Slurry           |  |                          |
| 02/07/2015                      | 14:47:24               | 244                         | 4.5                 | 15.10           | 42.5                     |                                    |  |                          |
| 02/07/2015                      | 14:47:32               | 252                         | 4.3                 | 15.09           | 43.1                     | Start Pumping Lead Slurry          |  |                          |
| 02/07/2015                      | 14:47:51               | 253                         | 4.5                 | 15.14           | 44.5                     | Good Returns                       |  |                          |
| 02/07/2015                      | 14:49:04               | 440                         | 6.2                 | 15.43           | 52.2                     |                                    |  |                          |
| 02/07/2015                      | 14:50:44               | 136                         | 3.3                 | 15.52           | 60.1                     |                                    |  |                          |
| 02/07/2015                      | 14:52:24               | 237                         | 4.5                 | 15.75           | 65.9                     |                                    |  |                          |
| 02/07/2015                      | 14:54:04               | 447                         | 6.4                 | 15.72           | 75.6                     |                                    |  |                          |
| 02/07/2015                      | 14:55:44               | 441                         | 6.2                 | 15.80           | 86.1                     |                                    |  |                          |
| 02/07/2015                      | 14:57:24               | 432                         | 6.4                 | 15.82           | 96.6                     |                                    |  |                          |
| 02/07/2015                      | 14:59:04               | 433                         | 6.5                 | 15.76           | 107.1                    |                                    |  |                          |
| 02/07/2015                      | 15:00:26               | 432                         | 6.2                 | 15.77           | 115.8                    | Mud Balance confirms 15.8 ppg      |  |                          |
| 02/07/2015                      | 15:00:44               | 442                         | 6.4                 | 15.78           | 117.7                    |                                    |  |                          |
| 02/07/2015                      | 15:02:24               | 427                         | 6.2                 | 15.94           | 128.2                    |                                    |  |                          |
| 02/07/2015                      | 15:04:04               | 482                         | 6.2                 | 15.97           | 138.7                    |                                    |  |                          |
| 02/07/2015                      | 15:05:44               | 480                         | 6.4                 | 15.97           | 149.3                    |                                    |  |                          |
| 02/07/2015                      | 15:07:24               | 258                         | 4.5                 | 15.68           | 159.7                    |                                    |  |                          |
| 02/07/2015                      | 15:07:34               | 253                         | 4.4                 | 15.70           | 160.4                    | End Pumping Lead Slurry            |  |                          |
| 02/07/2015                      | 15:07:44               | 29                          | 0.7                 | 15.80           | 160.9                    | Reset Total, Vol = 117 bbl         |  |                          |
| 02/07/2015                      | 15:09:04               | 24                          | 0.0                 | 15.75           | 160.9                    |                                    |  |                          |
| 02/07/2015                      | 15:12:24               | 21                          | 0.0                 | 15.78           | 160.9                    |                                    |  |                          |
| 02/07/2015                      | 15:14:04               | 93                          | 3.3                 | 9.20            | 162.9                    |                                    |  |                          |
| 02/07/2015                      | 15:15:44               | 115                         | 4.3                 | 8.42            | 170.3                    |                                    |  |                          |
| 02/07/2015                      | 15:16:41               | 82                          | 2.9                 | 8.67            | 174.1                    | Drop Top Plug                      |  |                          |
| 02/07/2015                      | 15:17:24               | 50                          | 1.1                 | 8.40            | 175.0                    |                                    |  |                          |
| 02/07/2015                      | 15:17:53               | 140                         | 4.4                 | 8.41            | 175.8                    | Start Displacement                 |  |                          |
| 02/07/2015                      | 15:19:04               | 164                         | 4.5                 | 8.39            | 181.1                    |                                    |  |                          |
| 02/07/2015                      | 15:20:44               | 313                         | 6.4                 | 8.31            | 190.8                    |                                    |  |                          |
| 02/07/2015                      | 15:22:24               | 370                         | 6.5                 | 8.32            | 201.3                    |                                    |  |                          |
| 02/07/2015                      | 15:24:04               | 331                         | 4.4                 | 8.32            | 210.9                    |                                    |  |                          |
| 02/07/2015                      | 15:25:21               | 364                         | 4.4                 | 8.32            | 216.6                    | Cement back to surface             |  |                          |
| 02/07/2015                      | 15:25:37               | 305                         | 2.3                 | 8.32            | 217.5                    | Slow down last 10 bbls to 2 bpm    |  |                          |
| 02/07/2015                      | 15:25:44               | 289                         | 2.3                 | 8.32            | 217.8                    |                                    |  |                          |
| 02/07/2015                      | 15:27:24               | 321                         | 2.3                 | 8.32            | 221.5                    |                                    |  |                          |
| 02/07/2015                      | 15:29:04               | 344                         | 2.3                 | 8.32            | 225.2                    |                                    |  |                          |
| 02/07/2015                      | 15:29:37               | 345                         | 2.3                 | 8.32            | 226.4                    | End Displacement                   |  |                          |
| 02/07/2015                      | 15:29:38               | 355                         | 2.3                 | 8.32            | 226.5                    | Reset Total, Vol = 66 bbls         |  |                          |
| 02/07/2015                      | 15:30:04               | 1105                        | 0.0                 | 8.32            | 227.0                    | Bump Top Plug                      |  |                          |
| 02/07/2015                      | 15:30:44               | 1100                        | 0.0                 | 8.32            | 227.0                    |                                    |  |                          |
| 02/07/2015                      | 15:32:24               | 1096                        | 0.0                 | 8.32            | 227.0                    |                                    |  |                          |
| 02/07/2015                      | 15:32:45               | 89                          | 0.0                 | 8.32            | 227.0                    | 1/2 bbl back Floats held           |  |                          |

|  |                            |                                 |   |                                 |
|--|----------------------------|---------------------------------|---|---------------------------------|
| <b>Well</b><br>Waag Middle 6 631621830 | <b>Field</b><br>Wattenberg | <b>Job Start</b><br>Feb/07/2015 | <b>Customer</b><br>Extraction Oil and Gas | <b>Job Number</b><br>D5VO-00283 |
|--|----------------------------|---------------------------------|---|---------------------------------|

Post Job Summary

| Average Pump Rates, bbl/min                           |             |                                     |                      |  | Volume of Fluid Injected, bbl |                           |               |   |                   |  |
|---|-------------|-------------------------------------|----------------------|--|-------------------------------|---------------------------|---------------|---|-------------------|--|
| Slurry<br>2.3   | N2          |                                     | Mud                  | Maximum Rate<br>6.5  | Total Slurry<br>227.0         | Mud<br>0.0                |               | Spacer<br>41.9  | N2                |  |
| Treating Pressure Summary, psi                        |             |                                     |                      |  | Breakdown Fluid               |                           |               |   |                   |  |
| Maximum<br>4274                                       | Final<br>-1 | Average<br>225                      | Bump Plug to<br>1105 | Breakdown  | Type                          |                           | Volume<br>bbl |   | Density<br>lb/gal |  |
| Avg. N2 Percent<br>%                                  |             | Designed Slurry Volume<br>115.9 bbl |                      | Displacement<br>51.5 bbl                                   |                               | Mix Water Temp<br>75 degF |               | Cement Circulated to Surface? <input checked="" type="checkbox"/> |                   | Volume 20.0 bbl                        |
|   |             |                                     |                      |  |                               |                           |               | Washed Thru Perfs <input type="checkbox"/>                        |                   | To ft                                  |
| Customer or Authorized Representative<br>Justin Glore |             |                                     |                      | Schlumberger Supervisor<br>Christopher Akwaja/ Stacy Terry |                               |                           |               | Circulation Lost <input type="checkbox"/>                         |                   | Job Completed <input type="checkbox"/> |
|   |             |                                     |                      |  |                               |                           |               | -   |                   | -                                      |