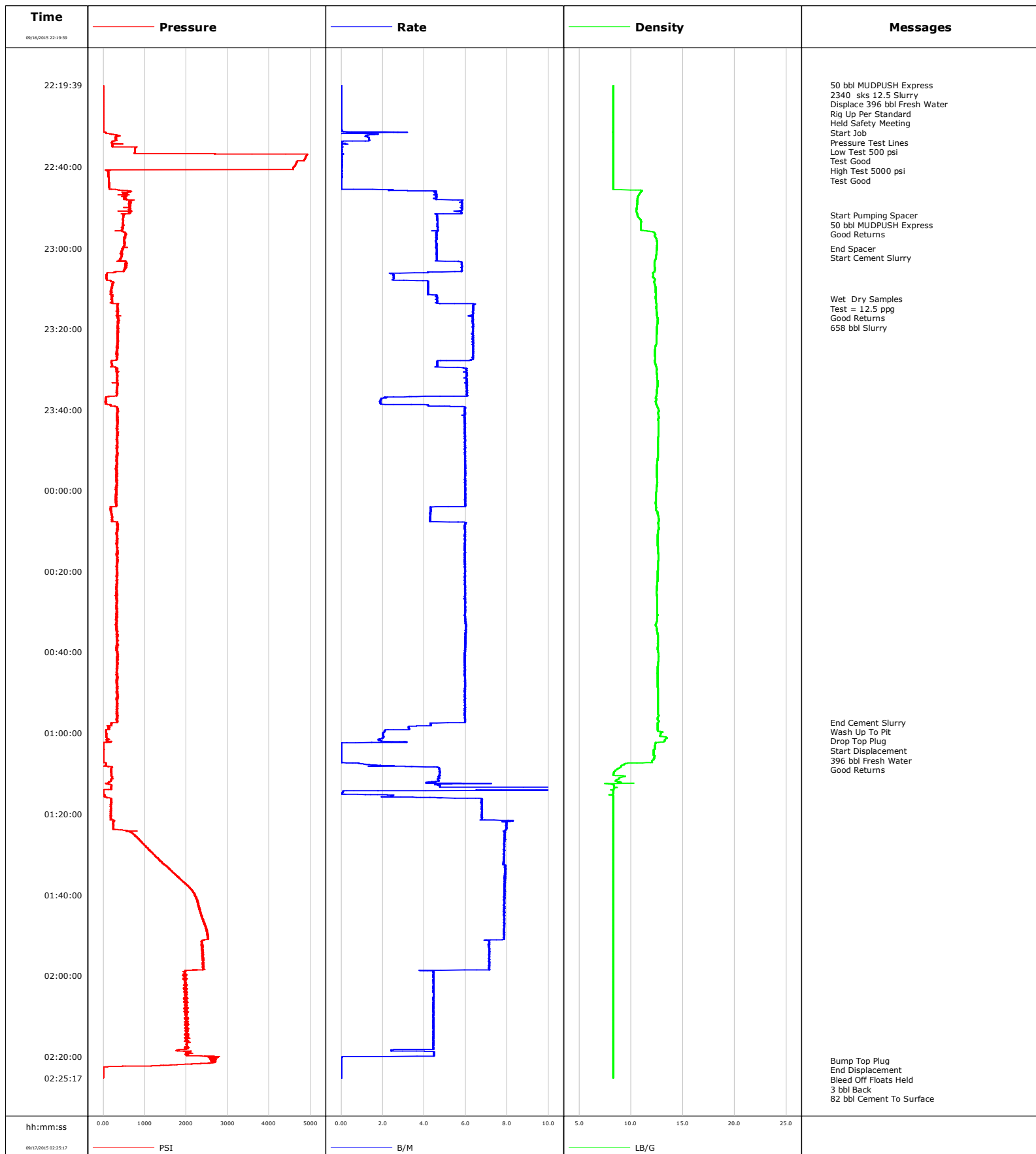


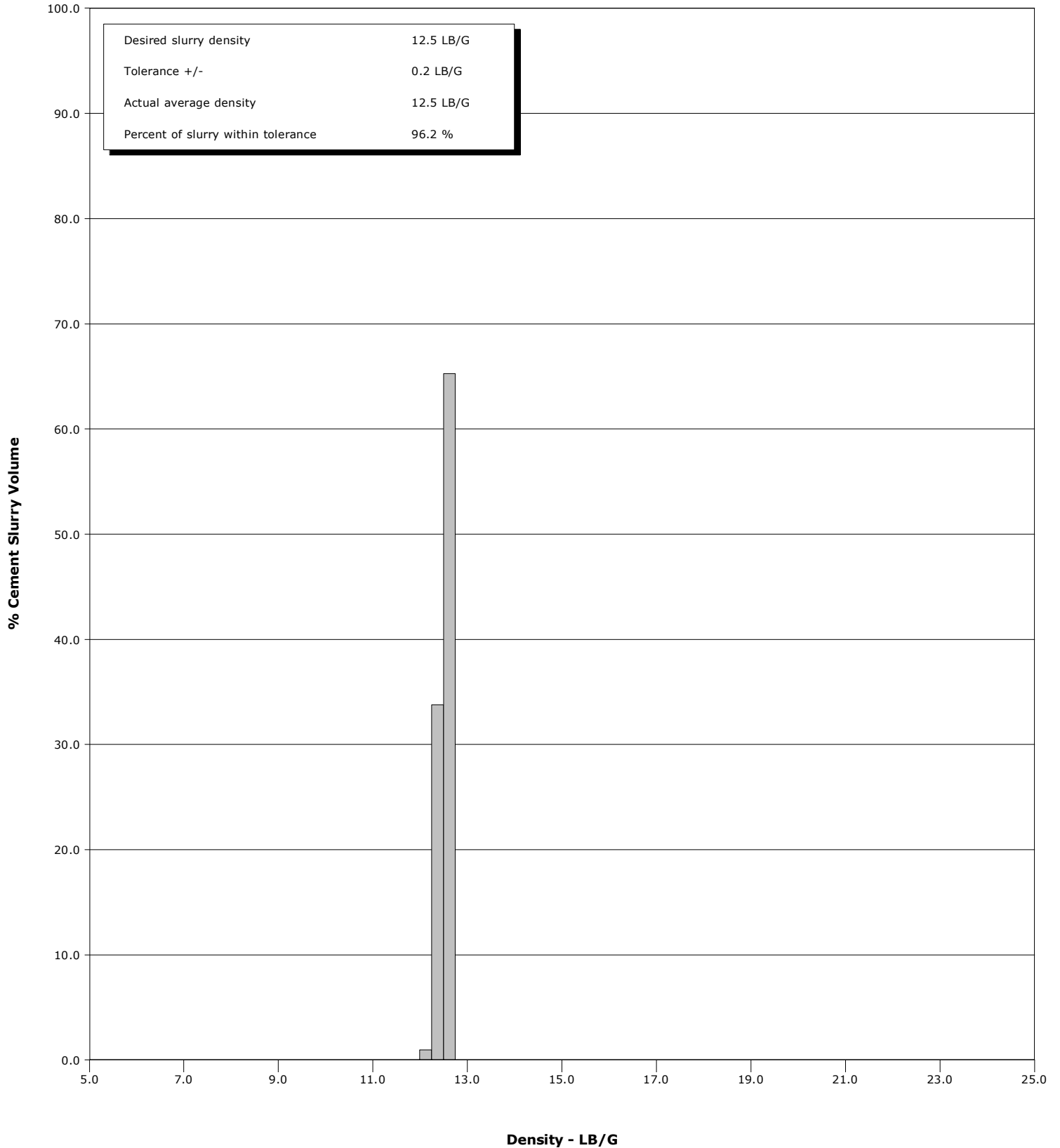
| | | | |
|-----------------|-------------------------------|-----------------|------------------|
| Well | Troudt 1 | Client | Extraction |
| Field | Wattenberger | SIR No. | DAXH-00389 |
| Engineer | Jordan Moreland / Stacy Terry | Job Type | 5 1/2 Production |
| Country | United States | Job Date | 09-16-2015 |



Well Troudt 1
Field Wattenberger
Engineer Jordan Moreland / Stacy Terry
Country United States

Client Extraction
SIR No. DAXH-00389
Job Type 5 1/2 Production
Job Date 09-16-2015

Cement Slurry - 09/16/2015 23:00:05 to 09/17/2015 00:57:18



| | | | | | | | | | | | |
|---|------------------------|--|---------------------|-------------------------------------|------------------|------------------------------|--------------------|---------------------------|--------------------------|-----------------------------|--------------------------------|
| | | | | Customer Extraction | | | | Job Number DAXH-00389 | | | |
| Well Troudtt 1 | | | Location (legal) | | | Schlumberger Location CWY | | | Job Start Sep/16/2015 | | |
| Field Wattenberger | | Formation Name/Type | | | Deviation deg | | Bit Size 7.9 in | | Well MD ft | | Well TVD ft |
| County Weld | | State/Province Colorado | | | BHP psi | | BHST degF | | BHCT degF | | Pore Press. Gradient lb/gal |
| Well Master 0631646508 | | API/UWI | | | | | | | | | |
| Rig Name Savanna 802 | | Drilled For Oil | | Service Via Land | | Casing/Liner | | | | | |
| | | | | | | Depth, ft | | Size, in | | Weight, lb/ft | |
| | | | | | | | | | | | |
| Offshore Zone | | Well Class New | | Well Type Development | | 17852.0 | | 5.5 | | 20.0 | |
| | | | | | | 0.0 | | 0.0 | | 0.0 | |
| Drilling Fluid Type | | Max. Density lb/gal | | Plastic Viscosity cP | | Tubing/Drill Pipe | | | | | |
| | | | | | | T/D | | Depth, ft | | Size, in | |
| | | | | | | | | | | | |
| Service Line Cementing | | Job Type 5 1/2 Production | | | | | | | | | |
| | | | | | | | | | | | |
| Max. Allowed Tub. Press psi | | Max. Allowed Ann. Press psi | | WH Connection Single Cement head | | Perforations/Open Hole | | | | | |
| | | | | | | Top, ft | | Bottom, ft | | shot/ft | |
| | | | | | | ft | | ft | | | |
| | | | | | | ft | | ft | | | |
| | | | | | | ft | | ft | | | |
| | | | | | | Treat Down Casing | | Displacement 396.0 bbl | | Packer Type | |
| | | | | | | | | | | Packer Depth ft | |
| | | | | | | Tubing Vol. bbl | | Casing Vol. 396.0 bbl | | Annular Vol. 576.0 bbl | |
| | | | | | | | | | | Openhole Vol. 1114.0 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 psi | | | | | | Shoe Type Float | | | Squeeze Type | | |
| Pipe Rotated <input type="checkbox"/> | | Pipe Reciprocated <input type="checkbox"/> | | | | Shoe Depth 17852.0 ft | | | Tool Type | | |
| No. Centralizers | | Top Plugs 1 | | Bottom Plugs | | Stage Tool Type | | | Tool Depth ft | | |
| Cement Head Type Single | | | | | | Stage Tool Depth ft | | | Tail Pipe Size in | | |
| Job Scheduled For Sep/16/2015 | | Arrived on Location Sep/16/2015 | | Leave Location Sep/16/2015 | | Collar Type Float | | | Tail Pipe Depth ft | | |
| | | | | | | Collar Depth 17847.0 ft | | | Sqz. Total Vol. bbl | | |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | | | | | |
| 09/16/2015 | 22:19:39 | -1 | 0.0 | 8.29 | 0.0 | Started Acquisition | | | | | |
| 09/16/2015 | 22:19:40 | -1 | 0.0 | 8.29 | 0.0 | 50 bbl MUDPUSH Express | | | | | |
| 09/16/2015 | 22:19:41 | -1 | 0.0 | 8.29 | 0.0 | Rig Up Per Standard | | | | | |
| 09/16/2015 | 22:19:44 | -1 | 0.0 | 8.29 | 0.0 | Start Job | | | | | |
| 09/16/2015 | 22:19:45 | -1 | 0.0 | 8.29 | 0.0 | Pressure Test Lines | | | | | |
| 09/16/2015 | 22:19:47 | -1 | 0.0 | 8.29 | 0.0 | Low Test 500 psi | | | | | |
| 09/16/2015 | 22:21:39 | -1 | 0.0 | 8.29 | 0.0 | | | | | | |
| 09/16/2015 | 22:23:39 | -1 | 0.0 | 8.29 | 0.0 | | | | | | |
| 09/16/2015 | 22:25:39 | -2 | 0.0 | 8.29 | 0.0 | | | | | | |
| 09/16/2015 | 22:27:39 | -1 | 0.0 | 8.29 | 0.0 | | | | | | |
| 09/16/2015 | 22:29:39 | -4 | 0.0 | 8.29 | 0.0 | | | | | | |
| 09/16/2015 | 22:31:39 | 154 | 1.8 | 8.28 | 0.5 | | | | | | |
| 09/16/2015 | 22:33:39 | 206 | 0.0 | 8.28 | 2.9 | | | | | | |
| 09/16/2015 | 22:35:39 | 762 | 0.0 | 8.28 | 3.0 | | | | | | |
| 09/16/2015 | 22:37:39 | 4874 | 0.0 | 8.28 | 3.1 | | | | | | |
| 09/16/2015 | 22:39:39 | 4622 | 0.0 | 8.28 | 3.1 | | | | | | |
| 09/16/2015 | 22:41:39 | 119 | 0.0 | 8.28 | 3.2 | | | | | | |
| 09/16/2015 | 22:43:39 | 135 | 0.0 | 8.28 | 3.2 | | | | | | |
| 09/16/2015 | 22:45:39 | 447 | 2.3 | 11.06 | 3.8 | | | | | | |
| 09/16/2015 | 22:47:39 | 496 | 4.5 | 10.63 | 12.8 | | | | | | |
| 09/16/2015 | 22:49:39 | 642 | 5.8 | 10.58 | 24.0 | | | | | | |

| Well | | | Field | | Job Start | | Customer | | Job Number | |
|------------|------------------------|-----------------------------|---------------------|-----------------|---------------|------------------------|------------|--|------------|--|
| Troutd 1 | | | Wattenberger | | Sep/16/2015 | | Extraction | | DAXH-00389 | |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | | | | |
| 09/16/2015 | 22:51:54 | 482 | 4.6 | 10.64 | 36.5 | Start Pumping Spacer | | | | |
| 09/16/2015 | 22:51:55 | 485 | 4.6 | 10.64 | 36.6 | 50 bbl MUDPUSH Express | | | | |
| 09/16/2015 | 22:53:39 | 477 | 4.6 | 10.97 | 44.6 | | | | | |
| 09/16/2015 | 22:55:39 | 445 | 4.6 | 11.53 | 53.9 | | | | | |
| 09/16/2015 | 22:57:39 | 526 | 4.6 | 12.46 | 63.1 | | | | | |
| 09/16/2015 | 22:59:39 | 474 | 4.6 | 12.50 | 72.3 | | | | | |
| 09/16/2015 | 23:00:03 | 457 | 4.6 | 12.49 | 74.1 | End Spacer | | | | |
| 09/16/2015 | 23:00:05 | 479 | 4.6 | 12.49 | 74.3 | Start Cement Slurry | | | | |
| 09/16/2015 | 23:01:39 | 436 | 4.6 | 12.43 | 81.5 | | | | | |
| 09/16/2015 | 23:03:39 | 560 | 5.8 | 12.26 | 91.3 | | | | | |
| 09/16/2015 | 23:05:39 | 486 | 5.8 | 12.26 | 102.9 | | | | | |
| 09/16/2015 | 23:07:39 | 77 | 2.5 | 12.31 | 108.9 | | | | | |
| 09/16/2015 | 23:09:39 | 213 | 4.2 | 12.38 | 116.8 | | | | | |
| 09/16/2015 | 23:11:39 | 217 | 4.6 | 12.40 | 125.2 | | | | | |
| 09/16/2015 | 23:12:35 | 207 | 4.6 | 12.40 | 129.6 | Wet Dry Samples | | | | |
| 09/16/2015 | 23:13:39 | 358 | 6.1 | 12.44 | 134.5 | | | | | |
| 09/16/2015 | 23:15:39 | 348 | 6.3 | 12.47 | 147.2 | | | | | |
| 09/16/2015 | 23:17:39 | 367 | 6.4 | 12.59 | 159.9 | | | | | |
| 09/16/2015 | 23:19:39 | 351 | 6.4 | 12.50 | 172.6 | | | | | |
| 09/16/2015 | 23:21:39 | 352 | 6.4 | 12.45 | 185.4 | | | | | |
| 09/16/2015 | 23:23:39 | 353 | 6.4 | 12.44 | 198.1 | | | | | |
| 09/16/2015 | 23:25:39 | 315 | 6.4 | 12.31 | 210.8 | | | | | |
| 09/16/2015 | 23:27:39 | 302 | 6.3 | 12.29 | 223.5 | | | | | |
| 09/16/2015 | 23:29:39 | 341 | 6.0 | 12.47 | 233.2 | | | | | |
| 09/16/2015 | 23:31:39 | 344 | 6.0 | 12.54 | 245.3 | | | | | |
| 09/16/2015 | 23:33:39 | 348 | 6.1 | 12.57 | 257.4 | | | | | |
| 09/16/2015 | 23:35:39 | 314 | 6.1 | 12.51 | 269.6 | | | | | |
| 09/16/2015 | 23:37:39 | 50 | 1.9 | 12.41 | 277.6 | | | | | |
| 09/16/2015 | 23:39:39 | 330 | 6.0 | 12.63 | 284.8 | | | | | |
| 09/16/2015 | 23:41:39 | 322 | 6.0 | 12.66 | 296.7 | | | | | |
| 09/16/2015 | 23:43:39 | 337 | 6.0 | 12.65 | 308.6 | | | | | |
| 09/16/2015 | 23:45:39 | 322 | 6.0 | 12.64 | 320.6 | | | | | |
| 09/16/2015 | 23:47:39 | 344 | 6.0 | 12.61 | 332.5 | | | | | |
| 09/16/2015 | 23:49:39 | 334 | 6.0 | 12.62 | 344.5 | | | | | |
| 09/16/2015 | 23:51:39 | 310 | 6.0 | 12.59 | 356.4 | | | | | |
| 09/16/2015 | 23:53:39 | 325 | 6.0 | 12.51 | 368.4 | | | | | |
| 09/16/2015 | 23:55:39 | 335 | 6.0 | 12.49 | 380.3 | | | | | |
| 09/16/2015 | 23:57:39 | 321 | 6.0 | 12.54 | 392.3 | | | | | |
| 09/16/2015 | 23:59:39 | 300 | 6.0 | 12.45 | 404.2 | | | | | |
| 09/17/2015 | 00:01:39 | 304 | 6.0 | 12.43 | 416.2 | | | | | |
| 09/17/2015 | 00:03:39 | 308 | 6.0 | 12.42 | 428.2 | | | | | |
| 09/17/2015 | 00:05:39 | 202 | 4.3 | 12.58 | 437.2 | | | | | |
| 09/17/2015 | 00:07:39 | 331 | 5.2 | 12.64 | 445.8 | | | | | |
| 09/17/2015 | 00:09:39 | 326 | 6.0 | 12.63 | 457.7 | | | | | |
| 09/17/2015 | 00:11:39 | 332 | 6.0 | 12.57 | 469.7 | | | | | |
| 09/17/2015 | 00:13:39 | 330 | 6.0 | 12.59 | 481.6 | | | | | |
| 09/17/2015 | 00:15:39 | 332 | 6.0 | 12.63 | 493.5 | | | | | |
| 09/17/2015 | 00:17:39 | 342 | 6.0 | 12.62 | 505.5 | | | | | |
| 09/17/2015 | 00:19:39 | 330 | 6.0 | 12.59 | 517.4 | | | | | |
| 09/17/2015 | 00:21:39 | 323 | 6.0 | 12.56 | 529.3 | | | | | |
| 09/17/2015 | 00:23:39 | 316 | 6.0 | 12.50 | 541.3 | | | | | |
| 09/17/2015 | 00:25:39 | 325 | 6.0 | 12.48 | 553.2 | | | | | |
| 09/17/2015 | 00:27:39 | 330 | 6.0 | 12.53 | 565.2 | | | | | |
| 09/17/2015 | 00:29:39 | 323 | 6.0 | 12.54 | 577.1 | | | | | |

| Well | | | Field | | Job Start | Customer | | Job Number |
|------------|------------------------|-----------------------------|---------------------|-----------------|---------------|---------------------|--|------------|
| Troudtt 1 | | | Wattenberger | | Sep/16/2015 | Extraction | | DAXH-00389 |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | | |
| 09/17/2015 | 00:33:39 | 330 | 6.0 | 12.44 | 601.1 | | | |
| 09/17/2015 | 00:35:39 | 318 | 6.0 | 12.59 | 613.1 | | | |
| 09/17/2015 | 00:37:39 | 338 | 6.0 | 12.59 | 625.1 | | | |
| 09/17/2015 | 00:39:39 | 337 | 6.0 | 12.60 | 637.1 | | | |
| 09/17/2015 | 00:41:39 | 354 | 6.0 | 12.64 | 649.0 | | | |
| 09/17/2015 | 00:43:39 | 317 | 6.0 | 12.58 | 660.9 | | | |
| 09/17/2015 | 00:45:39 | 328 | 6.0 | 12.56 | 672.8 | | | |
| 09/17/2015 | 00:47:39 | 338 | 6.0 | 12.57 | 684.8 | | | |
| 09/17/2015 | 00:49:39 | 348 | 6.0 | 12.60 | 696.7 | | | |
| 09/17/2015 | 00:51:39 | 310 | 6.0 | 12.59 | 708.7 | | | |
| 09/17/2015 | 00:53:39 | 333 | 6.0 | 12.60 | 720.6 | | | |
| 09/17/2015 | 00:55:39 | 341 | 6.0 | 12.66 | 732.5 | | | |
| 09/17/2015 | 00:57:18 | 339 | 6.0 | 12.59 | 742.4 | End Cement Slurry | | |
| 09/17/2015 | 00:57:21 | 192 | 5.2 | 12.56 | 742.7 | Wash Up To Pit | | |
| 09/17/2015 | 00:57:26 | 189 | 4.3 | 12.57 | 743.1 | Drop Top Plug | | |
| 09/17/2015 | 00:57:27 | 183 | 4.3 | 12.57 | 743.2 | Start Displacement | | |
| 09/17/2015 | 00:57:28 | 183 | 4.3 | 12.58 | 743.3 | 396 bbl Fresh Water | | |
| 09/17/2015 | 00:57:39 | 195 | 4.3 | 12.58 | 744.0 | | | |
| 09/17/2015 | 00:59:39 | 64 | 2.1 | 13.06 | 750.5 | | | |
| 09/17/2015 | 01:01:39 | 74 | 1.9 | 13.27 | 754.4 | | | |
| 09/17/2015 | 01:03:39 | 2 | 0.0 | 12.29 | 755.9 | | | |
| 09/17/2015 | 01:05:39 | 4 | 0.0 | 12.26 | 755.9 | | | |
| 09/17/2015 | 01:07:39 | 60 | 1.2 | 9.34 | 756.2 | | | |
| 09/17/2015 | 01:09:39 | 181 | 4.8 | 8.35 | 764.1 | | | |
| 09/17/2015 | 01:11:39 | 182 | 4.7 | 8.53 | 773.5 | | | |
| 09/17/2015 | 01:13:39 | 183 | 17.5 | 8.36 | 787.3 | | | |
| 09/17/2015 | 01:15:39 | 16 | 2.1 | 8.27 | 795.1 | | | |
| 09/17/2015 | 01:17:39 | 175 | 6.8 | 8.28 | 807.5 | | | |
| 09/17/2015 | 01:19:39 | 174 | 6.8 | 8.28 | 821.1 | | | |
| 09/17/2015 | 01:21:39 | 251 | 8.3 | 8.28 | 834.9 | | | |
| 09/17/2015 | 01:23:39 | 237 | 8.0 | 8.28 | 850.9 | | | |
| 09/17/2015 | 01:25:39 | 821 | 7.9 | 8.28 | 866.7 | | | |
| 09/17/2015 | 01:27:39 | 990 | 7.9 | 8.28 | 882.5 | | | |
| 09/17/2015 | 01:29:39 | 1184 | 7.9 | 8.28 | 898.2 | | | |
| 09/17/2015 | 01:31:39 | 1379 | 7.8 | 8.28 | 913.9 | | | |
| 09/17/2015 | 01:33:39 | 1608 | 7.9 | 8.28 | 929.7 | | | |
| 09/17/2015 | 01:35:39 | 1825 | 7.9 | 8.28 | 945.5 | | | |
| 09/17/2015 | 01:37:39 | 2046 | 7.9 | 8.28 | 961.3 | | | |
| 09/17/2015 | 01:39:39 | 2190 | 7.9 | 8.28 | 977.1 | | | |
| 09/17/2015 | 01:41:39 | 2268 | 7.9 | 8.28 | 992.8 | | | |
| 09/17/2015 | 01:43:39 | 2322 | 7.9 | 8.28 | 1008.6 | | | |
| 09/17/2015 | 01:45:39 | 2384 | 7.9 | 8.28 | 1024.3 | | | |
| 09/17/2015 | 01:47:39 | 2466 | 7.9 | 8.29 | 1040.1 | | | |
| 09/17/2015 | 01:49:39 | 2511 | 7.8 | 8.29 | 1055.8 | | | |
| 09/17/2015 | 01:51:39 | 2369 | 7.1 | 8.29 | 1071.1 | | | |
| 09/17/2015 | 01:53:39 | 2409 | 7.1 | 8.29 | 1085.3 | | | |
| 09/17/2015 | 01:55:39 | 2413 | 7.1 | 8.29 | 1099.6 | | | |
| 09/17/2015 | 01:57:39 | 2410 | 7.1 | 8.29 | 1113.9 | | | |
| 09/17/2015 | 01:59:39 | 1928 | 4.4 | 8.29 | 1125.2 | | | |
| 09/17/2015 | 02:01:39 | 1997 | 4.5 | 8.29 | 1134.1 | | | |
| 09/17/2015 | 02:03:39 | 1973 | 4.4 | 8.29 | 1143.0 | | | |
| 09/17/2015 | 02:05:39 | 1940 | 4.4 | 8.29 | 1151.9 | | | |
| 09/17/2015 | 02:07:39 | 2012 | 4.4 | 8.29 | 1160.8 | | | |
| 09/17/2015 | 02:09:39 | 2015 | 4.4 | 8.29 | 1169.7 | | | |

| Well | | | Field | | Job Start | Customer | | Job Number | |
|------------|------------------------|-----------------------------|---------------------|-----------------|---------------|-----------------------|--|------------|--|
| Troutd 1 | | | Wattenberger | | Sep/16/2015 | Extraction | | DAXH-00389 | |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | | | |
| 09/17/2015 | 02:13:39 | 1996 | 4.4 | 8.29 | 1187.5 | | | | |
| 09/17/2015 | 02:15:39 | 2021 | 4.4 | 8.29 | 1196.4 | | | | |
| 09/17/2015 | 02:17:39 | 2056 | 4.4 | 8.29 | 1205.2 | | | | |
| 09/17/2015 | 02:19:39 | 2044 | 4.5 | 8.29 | 1213.3 | | | | |
| 09/17/2015 | 02:21:04 | 2659 | 0.0 | 8.29 | 1214.6 | Bump Top Plug | | | |
| 09/17/2015 | 02:21:39 | 2353 | 0.0 | 8.29 | 1214.6 | | | | |
| 09/17/2015 | 02:22:54 | -6 | 0.0 | 8.29 | 1214.6 | End Displacement | | | |
| 09/17/2015 | 02:22:56 | -8 | 0.0 | 8.29 | 1214.6 | Bleed Off Floats Held | | | |
| 09/17/2015 | 02:22:57 | -8 | 0.0 | 8.29 | 1214.6 | End Job | | | |

Post Job Summary

| Average Pump Rates, bbl/min | | | | | Volume of Fluid Injected, bbl | | | |
|---------------------------------------|-----------------------------------|----------------|--|---------------------------|--|--|--|--|
| Slurry 5.4 | N2 | Mud | Maximum Rate 8.0 | Total Slurry 658.0 | Mud 0.0 | Spacer 50.0 | N2 | |
| Treating Pressure Summary, psi | | | | | Breakdown Fluid | | | |
| Maximum 4937 | Final -6 | Average 802 | Bump Plug to | Breakdown | Type | Volume bbl | Density lb/gal | |
| Avg. N2 Percent % | Designed Slurry Volume 0.0 bbl | | Displacement 396.0 bbl | Mix Water Temp 62 degF | Cement Circulated to Surface? <input checked="" type="checkbox"/> | Volume bbl | | |
| | | | | | Washed Thru Perfs <input type="checkbox"/> | To ft | | |
| Customer or Authorized Representative | | | Schlumberger Supervisor Jordan Moreland / Stacy Terry | | | Circulation Lost <input type="checkbox"/> | Job Completed <input checked="" type="checkbox"/> | |
| | | | | | | - | - | |