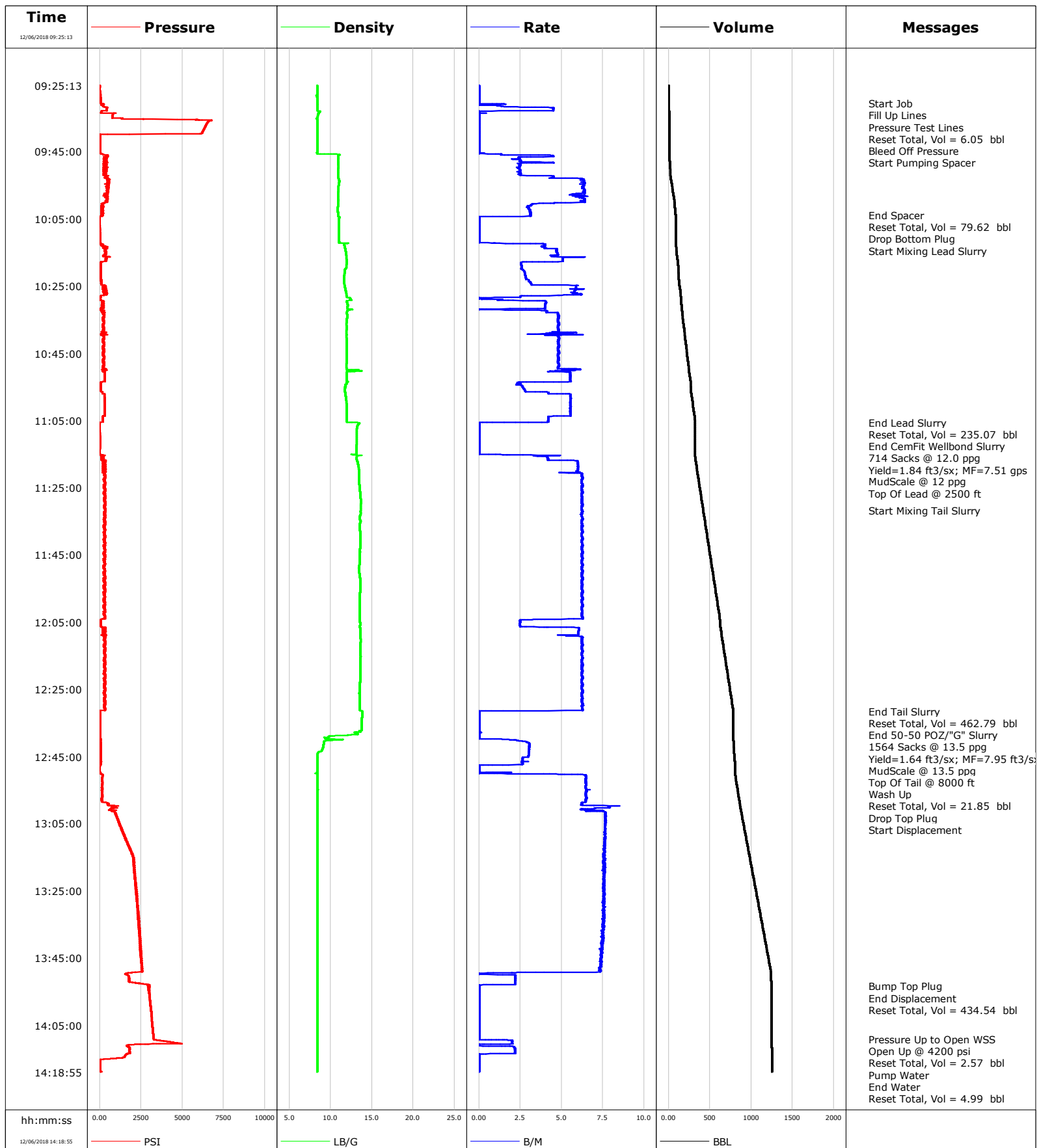


Well Castle Pines 19-8HZ
Field Wattenberg
Engineer Wence Luste
Country United States

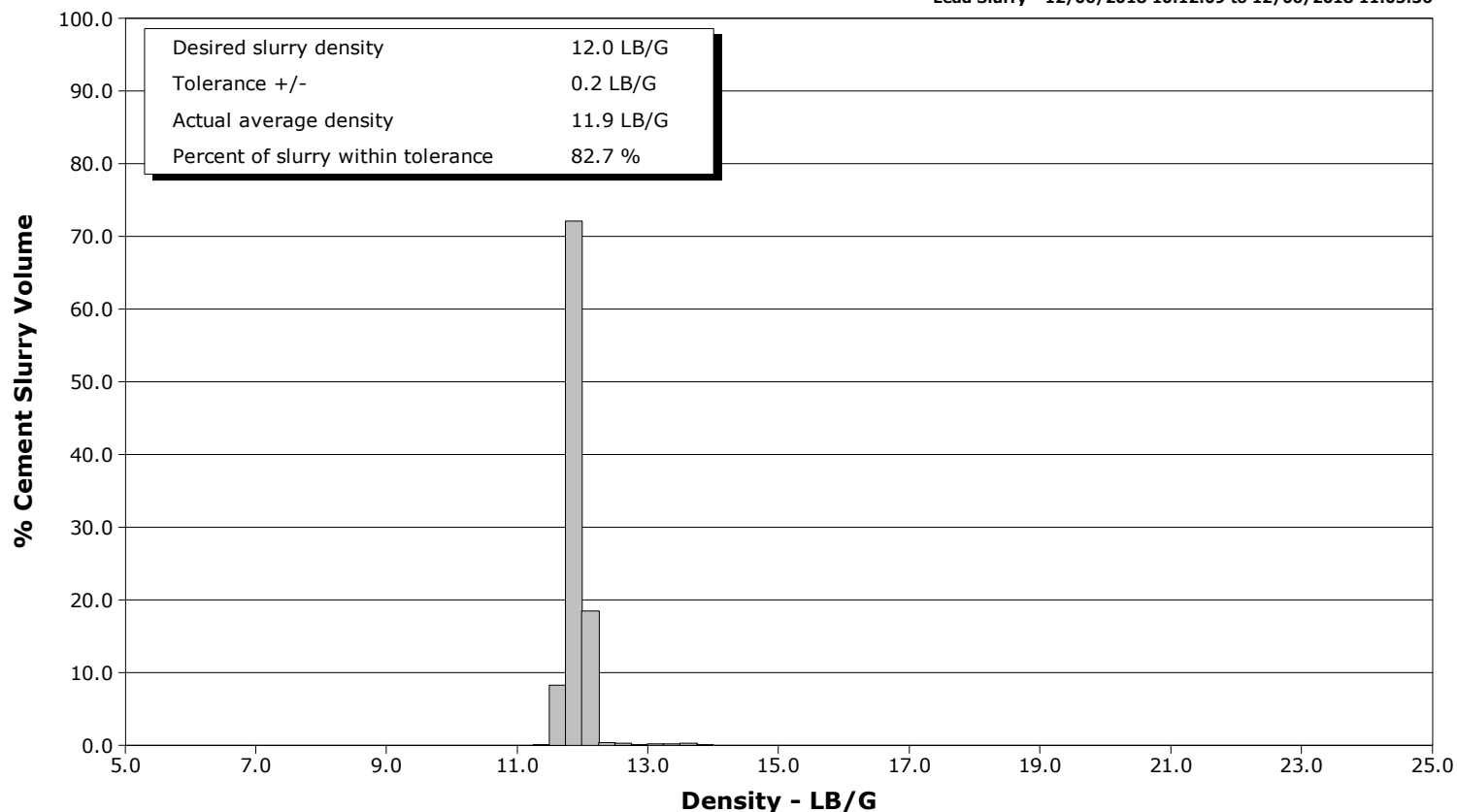
Client ANADARKO PETROLEUM COMPANY
SIR No. E5N2-00239
Job Type 5 1/2" Production
Job Date 12-6-2018



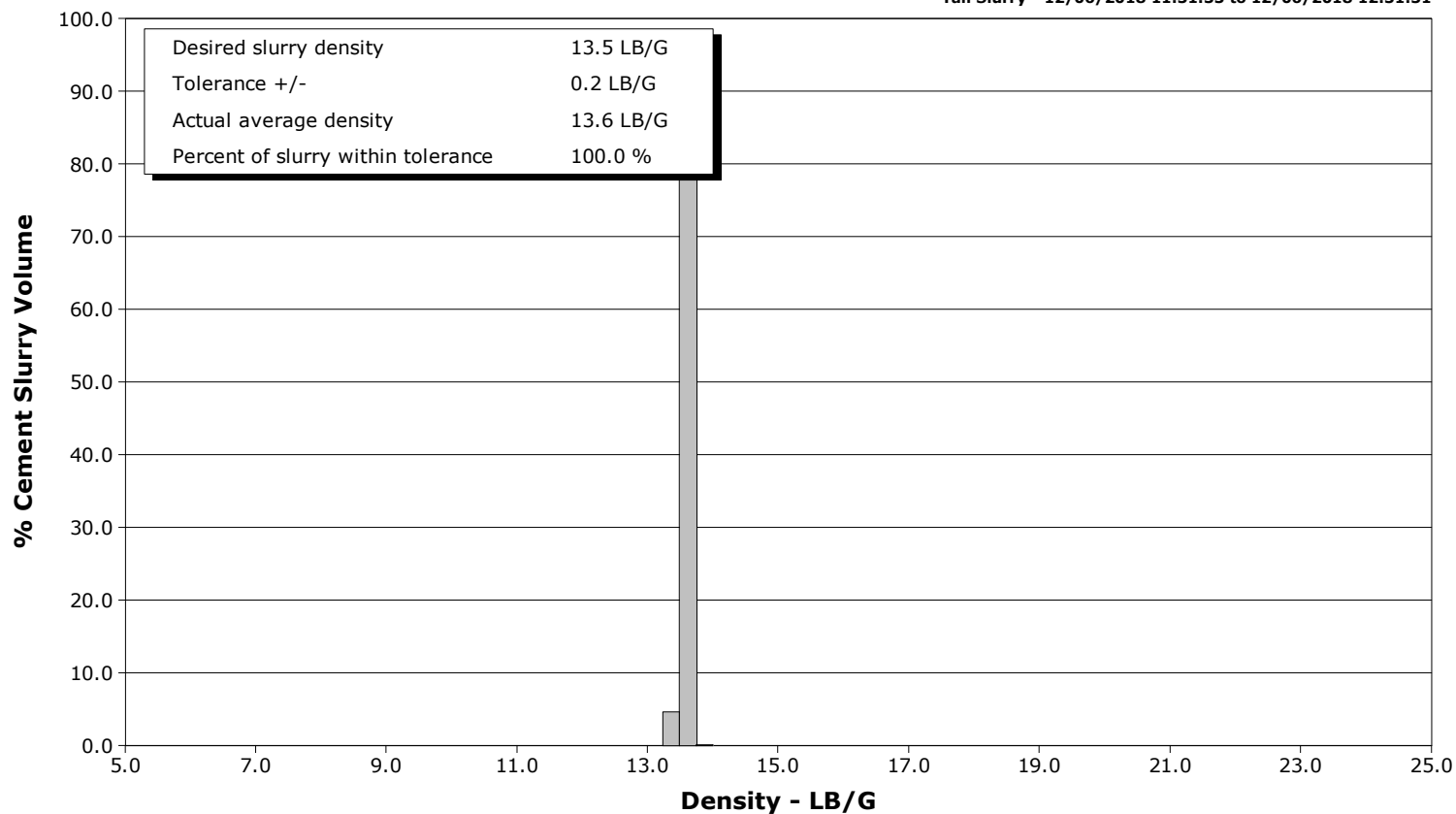
Well Castle Pines 19-8HZ
Field Wattenberg
Engineer Wence Luste
Country United States

Client ANADARKO PETROLEUM COMPANY
SIR No. E5N2-00239
Job Type 5 1/2" Production
Job Date 12-6-2018

Lead Slurry - 12/06/2018 10:12:09 to 12/06/2018 11:05:36



Tail Slurry - 12/06/2018 11:31:33 to 12/06/2018 12:31:31



Cementing Service Report

| | | | | | | | | | | | |
|---|------------------------|--|------------------------------------|--|---------------|----------------------------|--|---------------------------|--------------------------|--------------------------------|--|
| | | | | Customer ANADARKO PETROLEUM COMPANY | | | | Job Number ESN2-00239 | | | |
| Well Castle Pines 19-8HZ 0631784131 | | | Location (legal) 05123477180000 | | | Schlumberger Location | | | Job Start Dec/06/2018 | | |
| Field Wattenberg | | Formation Name/Type | | Deviation 90 deg | | Bit Size 8.5 in | | Well MD 18725.0 ft | | Well TVD 7302.0 ft | |
| County Weld | | State/Province Colorado | | BHP psi | | BHST 230 degF | | BHCT 230 degF | | Pore Press. Gradient lb/gal | |
| Well Master 0631784131 | | API/UWI 05123477180000 | | | | | | | | | |
| Rig Name PD 564 | | Drilled For Oil & Gas | | Service Via Land | | Casing/ Liner | | | | | |
| | | | | | | Depth, ft | | Size, in | | Weight, lb/ft | |
| | | | | | | | | | | Grade | |
| | | | | | | | | | | Thread | |
| Offshore Zone | | Well Class New | | Well Type Development | | 1892.0 | | 9.6 | | 36.0 | |
| | | | | | | 18720.7 | | 5.5 | | 17.0 | |
| | | | | | | | | | | J55 | |
| | | | | | | | | | | P110 | |
| | | | | | | | | | | 8RD | |
| | | | | | | | | | | 8RD | |
| Drilling Fluid Type OBM | | Max. Density 9.50 lb/gal | | Plastic Viscosity 12.000 cP | | Tubing/Drill Pipe | | | | | |
| | | | | | | T/D | | Depth, ft | | Size, in | |
| | | | | | | | | | | Weight, lb/ft | |
| | | | | | | | | | | Grade | |
| | | | | | | | | | | Thread | |
| Service Line Cementing | | Job Type 5 1/2" Production | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| Max. Allowed Tub. Press psi | | Max. Allowed Ann. Press psi | | WH Connection 5 1/2" C-Head | | Perforations/Open Hole | | | | | |
| | | | | | | Top, ft | | Bottom, ft | | shot/ft | |
| | | | | | | | | | | No. of Shots | |
| | | | | | | | | | | Total Interval | |
| | | | | | | ft | | ft | | ft | |
| | | | | | | ft | | ft | | Diameter | |
| | | | | | | ft | | ft | | in | |
| | | | | | | Treat Down Casing | | Displacement 434.0 bbl | | Packer Type | |
| | | | | | | | | | | Packer Depth | |
| | | | | | | | | | | ft | |
| | | | | | | Tubing Vol. bbl | | Casing Vol. 434.9 bbl | | Annular Vol. 662.0 bbl | |
| | | | | | | | | | | Openhole Vol. 1226.0 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 18720.7 ft | | | | Tool Type | |
| No. Centralizers | | Top Plugs 1 | | Bottom Plugs 1 | | Stage Tool Type | | | | Tool Depth ft | |
| Cement Head Type Double | | | | | | Stage Tool Depth ft | | | | Tail Pipe Size in | |
| Job Scheduled For Dec/06/2018 09:00 | | Arrived on Location Dec/06/2018 05:45 | | Leave Location Dec/06/2018 16:30 | | Collar Type Float | | | | Tail Pipe Depth ft | |
| | | | | | | Collar Depth 18707.6 ft | | | | Sqz. Total Vol. bbl | |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | | | | | |
| 12/06/2018 | 09:25:13 | -1 | 0.0 | 8.37 | 0.0 | Started Acquisition | | | | | |
| 12/06/2018 | 09:25:53 | 0 | 0.0 | 8.37 | 0.0 | | | | | | |
| 12/06/2018 | 09:26:33 | -1 | 0.0 | 8.37 | 0.0 | | | | | | |
| 12/06/2018 | 09:27:13 | 3 | 0.0 | 8.37 | 0.0 | | | | | | |
| 12/06/2018 | 09:27:53 | 55 | 0.0 | 8.37 | 0.0 | | | | | | |
| 12/06/2018 | 09:28:33 | 58 | 0.0 | 8.38 | 0.0 | | | | | | |
| 12/06/2018 | 09:29:13 | 62 | 0.0 | 8.37 | 0.0 | | | | | | |
| 12/06/2018 | 09:29:53 | 67 | 0.0 | 8.37 | 0.0 | | | | | | |
| 12/06/2018 | 09:30:33 | 72 | 0.0 | 8.37 | 0.0 | Start Job | | | | | |
| 12/06/2018 | 09:31:13 | 199 | 1.1 | 8.37 | 0.3 | Fill Up Lines | | | | | |
| 12/06/2018 | 09:31:53 | 446 | 4.5 | 8.37 | 1.8 | | | | | | |
| 12/06/2018 | 09:32:33 | 434 | 4.5 | 8.37 | 4.8 | | | | | | |
| 12/06/2018 | 09:33:13 | 91 | 0.0 | 8.64 | 6.0 | | | | | | |
| 12/06/2018 | 09:33:53 | 791 | 0.0 | 8.50 | 6.0 | Pressure Test Lines | | | | | |
| 12/06/2018 | 09:34:33 | 770 | 0.0 | 8.42 | 6.0 | | | | | | |
| 12/06/2018 | 09:35:13 | 2695 | 0.0 | 8.35 | 6.0 | | | | | | |
| 12/06/2018 | 09:35:53 | 6610 | 0.0 | 8.38 | 6.0 | | | | | | |
| 12/06/2018 | 09:36:33 | 6503 | 0.0 | 8.38 | 6.0 | | | | | | |
| 12/06/2018 | 09:37:13 | 6433 | 0.0 | 8.38 | 6.0 | | | | | | |
| 12/06/2018 | 09:37:53 | 6359 | 0.0 | 8.38 | 6.0 | | | | | | |
| 12/06/2018 | 09:38:33 | 6292 | 0.0 | 8.38 | 6.0 | | | | | | |

| Well | | | Field | Job Start | | Customer | Job Number |
|--------------------------------|------------------|-----------------------|---------------|--------------|------------|------------------------------|------------|
| Castle Pines 19-8HZ 0631784131 | | | Wattenberg | Dec/06/2018 | | ANADARKO PETROLEUM COMPANY | E5N2-00239 |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | |
| 12/06/2018 | 09:39:53 | 15 | 0.0 | 8.38 | 6.0 | Reset Total, Vol = 6.05 bbl | |
| 12/06/2018 | 09:40:33 | 3 | 0.0 | 8.38 | 6.0 | | |
| 12/06/2018 | 09:40:38 | 3 | 0.0 | 8.38 | 6.0 | Bleed Off Pressure | |
| 12/06/2018 | 09:41:13 | 4 | 0.0 | 8.38 | 6.0 | | |
| 12/06/2018 | 09:41:53 | 6 | 0.0 | 8.38 | 6.0 | | |
| 12/06/2018 | 09:42:33 | 8 | 0.0 | 8.38 | 6.0 | | |
| 12/06/2018 | 09:43:13 | 11 | 0.0 | 8.38 | 6.0 | | |
| 12/06/2018 | 09:43:53 | 14 | 0.0 | 8.38 | 6.0 | | |
| 12/06/2018 | 09:44:33 | 18 | 0.0 | 8.38 | 6.0 | | |
| 12/06/2018 | 09:45:13 | 39 | 0.0 | 8.38 | 6.0 | | |
| 12/06/2018 | 09:45:42 | 169 | 1.4 | 10.41 | 6.2 | Start Pumping Spacer | |
| 12/06/2018 | 09:45:53 | 226 | 1.3 | 11.13 | 6.4 | | |
| 12/06/2018 | 09:46:33 | 486 | 2.5 | 10.93 | 9.1 | | |
| 12/06/2018 | 09:47:13 | 448 | 2.0 | 10.93 | 10.7 | | |
| 12/06/2018 | 09:47:53 | 414 | 2.5 | 10.93 | 12.4 | | |
| 12/06/2018 | 09:48:33 | 412 | 2.4 | 10.93 | 14.5 | | |
| 12/06/2018 | 09:49:13 | 253 | 2.5 | 10.93 | 16.2 | | |
| 12/06/2018 | 09:49:53 | 372 | 2.4 | 10.93 | 17.8 | | |
| 12/06/2018 | 09:50:33 | 239 | 2.5 | 10.91 | 19.4 | | |
| 12/06/2018 | 09:51:13 | 253 | 2.5 | 10.90 | 21.1 | | |
| 12/06/2018 | 09:51:53 | 244 | 2.5 | 10.90 | 22.7 | | |
| 12/06/2018 | 09:52:33 | 453 | 4.5 | 10.92 | 25.4 | | |
| 12/06/2018 | 09:53:13 | 531 | 6.4 | 11.01 | 29.0 | | |
| 12/06/2018 | 09:53:53 | 538 | 6.4 | 11.05 | 33.2 | | |
| 12/06/2018 | 09:54:33 | 565 | 6.2 | 11.01 | 37.4 | | |
| 12/06/2018 | 09:55:13 | 547 | 6.3 | 10.98 | 41.7 | | |
| 12/06/2018 | 09:55:53 | 439 | 6.3 | 10.95 | 45.9 | | |
| 12/06/2018 | 09:56:33 | 445 | 6.4 | 10.95 | 50.1 | | |
| 12/06/2018 | 09:57:13 | 435 | 6.4 | 10.92 | 54.4 | | |
| 12/06/2018 | 09:57:53 | 452 | 6.3 | 10.92 | 58.4 | | |
| 12/06/2018 | 09:58:33 | 454 | 6.3 | 10.91 | 62.5 | | |
| 12/06/2018 | 09:59:13 | 460 | 6.4 | 10.93 | 66.7 | | |
| 12/06/2018 | 09:59:53 | 417 | 6.4 | 10.90 | 71.0 | | |
| 12/06/2018 | 10:00:33 | 155 | 3.2 | 10.92 | 74.2 | | |
| 12/06/2018 | 10:01:13 | 120 | 3.0 | 10.92 | 76.3 | | |
| 12/06/2018 | 10:01:53 | 131 | 3.1 | 10.84 | 78.3 | | |
| 12/06/2018 | 10:02:33 | 233 | 3.1 | 10.85 | 80.4 | | |
| 12/06/2018 | 10:03:13 | 243 | 3.1 | 10.91 | 82.4 | | |
| 12/06/2018 | 10:03:53 | 239 | 3.1 | 10.91 | 84.5 | | |
| 12/06/2018 | 10:03:54 | 102 | 3.1 | 10.91 | 84.6 | End Spacer | |
| 12/06/2018 | 10:04:23 | -1 | 0.0 | 11.05 | 85.7 | Reset Total, Vol = 79.62 bbl | |
| 12/06/2018 | 10:04:33 | -2 | 0.0 | 11.05 | 85.7 | | |
| 12/06/2018 | 10:05:00 | -1 | 0.0 | 11.04 | 85.7 | Drop Bottom Plug | |
| 12/06/2018 | 10:05:13 | -1 | 0.0 | 11.04 | 85.7 | | |
| 12/06/2018 | 10:05:53 | -1 | 0.0 | 11.03 | 85.7 | | |
| 12/06/2018 | 10:06:33 | -0 | 0.0 | 11.03 | 85.7 | | |
| 12/06/2018 | 10:07:13 | -0 | 0.0 | 11.03 | 85.7 | | |
| 12/06/2018 | 10:07:53 | -1 | 0.0 | 11.03 | 85.7 | | |
| 12/06/2018 | 10:08:33 | 0 | 0.0 | 11.03 | 85.7 | | |
| 12/06/2018 | 10:09:13 | 0 | 0.0 | 11.03 | 85.7 | | |
| 12/06/2018 | 10:10:33 | 1 | 0.0 | 11.02 | 85.7 | | |
| 12/06/2018 | 10:11:13 | 1 | 0.0 | 11.02 | 85.7 | | |
| 12/06/2018 | 10:11:53 | 5 | 0.0 | 11.07 | 85.7 | | |
| 12/06/2018 | 10:12:09 | 45 | 1.0 | 11.41 | 85.7 | Start Mixing Lead Slurry | |

| Well | | | Field | Job Start | | Customer | Job Number |
|--------------------------------|------------------|-----------------------|---------------|--------------|------------|----------------------------|------------|
| Castle Pines 19-8HZ 0631784131 | | | Wattenberg | Dec/06/2018 | | ANADARKO PETROLEUM COMPANY | E5N2-00239 |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | |
| 12/06/2018 | 10:13:13 | 351 | 3.8 | 11.75 | 89.5 | | |
| 12/06/2018 | 10:13:53 | 386 | 4.8 | 11.77 | 92.3 | | |
| 12/06/2018 | 10:14:33 | 340 | 4.7 | 11.82 | 95.4 | | |
| 12/06/2018 | 10:15:13 | 390 | 4.8 | 11.87 | 98.6 | | |
| 12/06/2018 | 10:15:53 | 333 | 4.4 | 11.90 | 101.7 | | |
| 12/06/2018 | 10:16:33 | 428 | 5.1 | 11.93 | 105.1 | | |
| 12/06/2018 | 10:17:13 | 399 | 5.1 | 11.95 | 108.5 | | |
| 12/06/2018 | 10:17:53 | 80 | 2.6 | 11.95 | 111.5 | | |
| 12/06/2018 | 10:18:33 | 79 | 2.6 | 11.94 | 113.2 | | |
| 12/06/2018 | 10:19:13 | 79 | 2.6 | 11.94 | 114.9 | | |
| 12/06/2018 | 10:19:53 | 75 | 2.6 | 11.78 | 116.7 | | |
| 12/06/2018 | 10:20:33 | 76 | 2.7 | 11.72 | 118.5 | | |
| 12/06/2018 | 10:21:13 | 78 | 2.8 | 11.69 | 120.3 | | |
| 12/06/2018 | 10:21:53 | 77 | 2.8 | 11.64 | 122.2 | | |
| 12/06/2018 | 10:22:33 | 78 | 2.8 | 11.61 | 124.0 | | |
| 12/06/2018 | 10:23:13 | 95 | 3.0 | 11.60 | 126.0 | | |
| 12/06/2018 | 10:23:53 | 96 | 3.1 | 11.62 | 128.0 | | |
| 12/06/2018 | 10:24:33 | 99 | 3.2 | 11.69 | 130.1 | | |
| 12/06/2018 | 10:25:13 | 354 | 5.9 | 11.75 | 133.7 | | |
| 12/06/2018 | 10:25:53 | 291 | 6.3 | 11.80 | 137.6 | | |
| 12/06/2018 | 10:26:33 | 194 | 5.8 | 11.85 | 141.5 | | |
| 12/06/2018 | 10:27:13 | 419 | 6.0 | 11.91 | 145.4 | | |
| 12/06/2018 | 10:27:53 | 77 | 2.7 | 11.95 | 149.0 | | |
| 12/06/2018 | 10:28:33 | 3 | 0.0 | 12.37 | 150.3 | | |
| 12/06/2018 | 10:29:13 | 59 | 1.2 | 12.49 | 150.6 | | |
| 12/06/2018 | 10:29:53 | 184 | 4.1 | 12.00 | 153.2 | | |
| 12/06/2018 | 10:30:33 | 185 | 4.0 | 12.07 | 155.9 | | |
| 12/06/2018 | 10:31:13 | 259 | 4.0 | 12.05 | 158.6 | | |
| 12/06/2018 | 10:31:53 | 1 | 0.0 | 12.59 | 160.7 | | |
| 12/06/2018 | 10:32:33 | 116 | 4.2 | 12.01 | 162.6 | | |
| 12/06/2018 | 10:33:13 | 252 | 4.8 | 12.00 | 165.6 | | |
| 12/06/2018 | 10:33:53 | 266 | 4.8 | 12.03 | 168.8 | | |
| 12/06/2018 | 10:34:33 | 213 | 4.8 | 12.00 | 172.0 | | |
| 12/06/2018 | 10:35:13 | 271 | 4.8 | 11.96 | 175.2 | | |
| 12/06/2018 | 10:35:53 | 257 | 4.8 | 11.95 | 178.4 | | |
| 12/06/2018 | 10:36:33 | 174 | 4.8 | 11.94 | 181.7 | | |
| 12/06/2018 | 10:37:13 | 270 | 4.8 | 11.97 | 184.9 | | |
| 12/06/2018 | 10:37:53 | 208 | 4.8 | 11.95 | 188.1 | | |
| 12/06/2018 | 10:38:33 | 168 | 4.8 | 11.93 | 191.3 | | |
| 12/06/2018 | 10:39:13 | 83 | 3.9 | 11.93 | 194.6 | | |
| 12/06/2018 | 10:39:53 | 270 | 4.8 | 11.94 | 197.7 | | |
| 12/06/2018 | 10:40:33 | 282 | 4.8 | 11.95 | 201.0 | | |
| 12/06/2018 | 10:41:13 | 198 | 4.8 | 11.96 | 204.2 | | |
| 12/06/2018 | 10:41:53 | 220 | 4.8 | 11.97 | 207.4 | | |
| 12/06/2018 | 10:42:33 | 262 | 4.9 | 11.98 | 210.6 | | |
| 12/06/2018 | 10:43:13 | 204 | 4.8 | 11.96 | 213.8 | | |
| 12/06/2018 | 10:43:53 | 254 | 4.8 | 11.96 | 217.0 | | |
| 12/06/2018 | 10:44:33 | 271 | 4.9 | 11.96 | 220.3 | | |
| 12/06/2018 | 10:45:13 | 199 | 4.8 | 11.99 | 223.5 | | |
| 12/06/2018 | 10:45:53 | 256 | 4.8 | 12.00 | 226.7 | | |
| 12/06/2018 | 10:46:33 | 265 | 4.8 | 11.99 | 229.9 | | |
| 12/06/2018 | 10:47:13 | 206 | 4.9 | 11.97 | 233.1 | | |
| 12/06/2018 | 10:47:53 | 278 | 4.8 | 11.95 | 236.3 | | |
| 12/06/2018 | 10:48:33 | 270 | 4.8 | 11.94 | 239.5 | | |

| Well | | | Field | | Job Start | Customer | Job Number |
|--------------------------------|------------------|-----------------------|---------------|--------------|-------------|--------------------------------|------------|
| Castle Pines 19-8HZ 0631784131 | | | Wattenberg | | Dec/06/2018 | ANADARKO PETROLEUM COMPANY | ESN2-00239 |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | |
| 12/06/2018 | 10:49:53 | 255 | 5.1 | 13.26 | 246.3 | | |
| 12/06/2018 | 10:50:33 | 323 | 5.5 | 11.97 | 249.6 | | |
| 12/06/2018 | 10:51:13 | 324 | 5.5 | 11.98 | 253.3 | | |
| 12/06/2018 | 10:51:53 | 323 | 5.5 | 11.99 | 257.0 | | |
| 12/06/2018 | 10:52:33 | 330 | 5.5 | 11.99 | 260.7 | | |
| 12/06/2018 | 10:53:13 | 332 | 5.5 | 12.00 | 264.3 | | |
| 12/06/2018 | 10:53:53 | 89 | 2.5 | 11.95 | 266.9 | | |
| 12/06/2018 | 10:54:33 | 85 | 2.6 | 11.77 | 268.4 | | |
| 12/06/2018 | 10:55:13 | 86 | 2.7 | 11.78 | 270.2 | | |
| 12/06/2018 | 10:55:53 | 91 | 2.8 | 11.76 | 272.0 | | |
| 12/06/2018 | 10:56:33 | 180 | 4.2 | 11.77 | 274.0 | | |
| 12/06/2018 | 10:57:13 | 288 | 5.6 | 11.79 | 277.1 | | |
| 12/06/2018 | 10:57:53 | 292 | 5.6 | 11.84 | 280.8 | | |
| 12/06/2018 | 10:58:33 | 300 | 5.6 | 11.86 | 284.5 | | |
| 12/06/2018 | 10:59:13 | 304 | 5.6 | 11.90 | 288.2 | | |
| 12/06/2018 | 10:59:53 | 312 | 5.6 | 11.94 | 291.9 | | |
| 12/06/2018 | 11:00:33 | 314 | 5.5 | 11.97 | 295.6 | | |
| 12/06/2018 | 11:01:13 | 320 | 5.5 | 12.00 | 299.3 | | |
| 12/06/2018 | 11:01:53 | 312 | 5.6 | 11.99 | 303.0 | | |
| 12/06/2018 | 11:02:33 | 319 | 5.6 | 11.99 | 306.7 | | |
| 12/06/2018 | 11:03:13 | 317 | 5.5 | 11.98 | 310.4 | | |
| 12/06/2018 | 11:03:53 | 200 | 4.2 | 11.97 | 313.8 | | |
| 12/06/2018 | 11:04:33 | 178 | 4.2 | 11.98 | 316.6 | | |
| 12/06/2018 | 11:05:13 | 187 | 4.2 | 11.97 | 319.5 | | |
| 12/06/2018 | 11:05:36 | 0 | 0.1 | 13.30 | 320.7 | End Lead Slurry | |
| 12/06/2018 | 11:05:37 | 0 | 0.0 | 13.35 | 320.7 | Reset Total, Vol = 235.07 bbl | |
| 12/06/2018 | 11:05:38 | 0 | 0.0 | 13.40 | 320.7 | End CemFit Wellbond Slurry | |
| 12/06/2018 | 11:05:39 | 0 | 0.0 | 13.43 | 320.7 | 714 Sacks @ 12.0 ppg | |
| 12/06/2018 | 11:05:40 | -1 | 0.0 | 13.45 | 320.7 | Yield=1.84 ft3/sx; MF=7.51 gps | |
| 12/06/2018 | 11:05:41 | 0 | 0.0 | 13.46 | 320.7 | MudScale @ 12 ppg | |
| 12/06/2018 | 11:05:44 | -0 | 0.0 | 13.48 | 320.7 | Top Of Lead @ 2500 ft | |
| 12/06/2018 | 11:05:53 | -0 | 0.0 | 13.51 | 320.7 | | |
| 12/06/2018 | 11:06:33 | -2 | 0.0 | 13.27 | 320.7 | | |
| 12/06/2018 | 11:07:13 | -1 | 0.0 | 13.21 | 320.7 | | |
| 12/06/2018 | 11:07:53 | -0 | 0.0 | 13.19 | 320.7 | | |
| 12/06/2018 | 11:08:33 | 0 | 0.0 | 13.18 | 320.7 | | |
| 12/06/2018 | 11:09:13 | -1 | 0.0 | 13.17 | 320.7 | | |
| 12/06/2018 | 11:09:53 | 0 | 0.0 | 13.17 | 320.7 | | |
| 12/06/2018 | 11:10:33 | 0 | 0.0 | 13.16 | 320.7 | | |
| 12/06/2018 | 11:11:13 | 1 | 0.0 | 13.15 | 320.7 | | |
| 12/06/2018 | 11:11:53 | 1 | 0.0 | 13.15 | 320.7 | | |
| 12/06/2018 | 11:12:33 | 0 | 0.0 | 13.14 | 320.7 | | |
| 12/06/2018 | 11:13:13 | 0 | 0.0 | 13.14 | 320.7 | | |
| 12/06/2018 | 11:13:53 | -1 | 0.0 | 13.13 | 320.7 | | |
| 12/06/2018 | 11:14:33 | -1 | 0.0 | 13.13 | 320.7 | | |
| 12/06/2018 | 11:15:13 | 145 | 1.8 | 13.11 | 320.9 | | |
| 12/06/2018 | 11:15:53 | 132 | 4.2 | 13.18 | 323.6 | | |
| 12/06/2018 | 11:16:33 | 119 | 4.2 | 13.15 | 326.3 | | |
| 12/06/2018 | 11:17:13 | 369 | 6.0 | 13.26 | 329.8 | | |
| 12/06/2018 | 11:17:53 | 238 | 6.0 | 13.31 | 333.8 | | |
| 12/06/2018 | 11:18:33 | 235 | 6.0 | 13.38 | 337.8 | | |
| 12/06/2018 | 11:19:13 | 280 | 6.0 | 13.41 | 341.8 | | |
| 12/06/2018 | 11:19:53 | 234 | 6.0 | 13.46 | 345.8 | | |
| 12/06/2018 | 11:20:33 | 362 | 5.0 | 13.49 | 349.7 | | |

| Well | | | Field | | Job Start | Customer | Job Number |
|--------------------------------|------------------------|-----------------------------|---------------------|-----------------|---------------|----------------------------|------------|
| Castle Pines 19-8HZ 0631784131 | | | Wattenberg | | Dec/06/2018 | ANADARKO PETROLEUM COMPANY | E5N2-00239 |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | |
| 12/06/2018 | 11:21:53 | 321 | 6.3 | 13.49 | 358.0 | | |
| 12/06/2018 | 11:22:33 | 336 | 6.3 | 13.48 | 362.2 | | |
| 12/06/2018 | 11:23:13 | 313 | 6.2 | 13.48 | 366.3 | | |
| 12/06/2018 | 11:23:53 | 342 | 6.3 | 13.50 | 370.5 | | |
| 12/06/2018 | 11:24:33 | 260 | 6.3 | 13.51 | 374.7 | | |
| 12/06/2018 | 11:25:13 | 269 | 6.2 | 13.53 | 378.8 | | |
| 12/06/2018 | 11:26:33 | 312 | 6.3 | 13.58 | 387.2 | | |
| 12/06/2018 | 11:27:13 | 345 | 6.2 | 13.60 | 391.3 | | |
| 12/06/2018 | 11:27:53 | 354 | 6.2 | 13.58 | 395.5 | | |
| 12/06/2018 | 11:28:33 | 299 | 6.3 | 13.69 | 399.7 | | |
| 12/06/2018 | 11:29:13 | 318 | 6.2 | 13.71 | 403.8 | | |
| 12/06/2018 | 11:29:53 | 337 | 6.3 | 13.67 | 408.0 | | |
| 12/06/2018 | 11:30:33 | 281 | 6.2 | 13.66 | 412.2 | | |
| 12/06/2018 | 11:31:13 | 345 | 6.2 | 13.66 | 416.4 | | |
| 12/06/2018 | 11:31:33 | 344 | 6.3 | 13.66 | 418.4 | Start Mixing Tail Slurry | |
| 12/06/2018 | 11:31:53 | 349 | 6.3 | 13.63 | 420.5 | | |
| 12/06/2018 | 11:32:33 | 267 | 6.3 | 13.63 | 424.7 | | |
| 12/06/2018 | 11:33:13 | 268 | 6.2 | 13.59 | 428.9 | | |
| 12/06/2018 | 11:33:53 | 342 | 6.2 | 13.52 | 433.0 | | |
| 12/06/2018 | 11:34:33 | 245 | 6.2 | 13.57 | 437.2 | | |
| 12/06/2018 | 11:35:13 | 338 | 6.2 | 13.60 | 441.4 | | |
| 12/06/2018 | 11:35:53 | 265 | 6.3 | 13.55 | 445.5 | | |
| 12/06/2018 | 11:36:33 | 322 | 6.2 | 13.53 | 449.7 | | |
| 12/06/2018 | 11:37:13 | 341 | 6.2 | 13.55 | 453.9 | | |
| 12/06/2018 | 11:37:53 | 313 | 6.3 | 13.56 | 458.1 | | |
| 12/06/2018 | 11:38:33 | 261 | 6.2 | 13.59 | 462.2 | | |
| 12/06/2018 | 11:39:13 | 264 | 6.2 | 13.59 | 466.4 | | |
| 12/06/2018 | 11:39:53 | 331 | 6.3 | 13.58 | 470.6 | | |
| 12/06/2018 | 11:40:33 | 272 | 6.2 | 13.57 | 474.8 | | |
| 12/06/2018 | 11:41:13 | 348 | 6.2 | 13.57 | 478.9 | | |
| 12/06/2018 | 11:41:53 | 322 | 6.3 | 13.57 | 483.1 | | |
| 12/06/2018 | 11:42:33 | 305 | 6.3 | 13.56 | 487.3 | | |
| 12/06/2018 | 11:43:13 | 336 | 6.2 | 13.56 | 491.4 | | |
| 12/06/2018 | 11:43:53 | 342 | 6.3 | 13.56 | 495.6 | | |
| 12/06/2018 | 11:44:33 | 267 | 6.3 | 13.56 | 499.8 | | |
| 12/06/2018 | 11:45:13 | 320 | 6.2 | 13.54 | 503.9 | | |
| 12/06/2018 | 11:45:53 | 332 | 6.3 | 13.55 | 508.2 | | |
| 12/06/2018 | 11:46:33 | 262 | 6.2 | 13.54 | 512.3 | | |
| 12/06/2018 | 11:47:13 | 322 | 6.3 | 13.53 | 516.5 | | |
| 12/06/2018 | 11:47:53 | 305 | 6.3 | 13.51 | 520.7 | | |
| 12/06/2018 | 11:48:33 | 237 | 6.3 | 13.47 | 524.9 | | |
| 12/06/2018 | 11:49:13 | 317 | 6.3 | 13.46 | 529.0 | | |
| 12/06/2018 | 11:49:53 | 278 | 6.3 | 13.47 | 533.2 | | |
| 12/06/2018 | 11:50:33 | 227 | 6.3 | 13.51 | 537.4 | | |
| 12/06/2018 | 11:51:13 | 336 | 6.2 | 13.54 | 541.5 | | |
| 12/06/2018 | 11:51:53 | 310 | 6.3 | 13.56 | 545.7 | | |
| 12/06/2018 | 11:52:33 | 325 | 6.3 | 13.58 | 549.9 | | |
| 12/06/2018 | 11:53:13 | 265 | 6.2 | 13.58 | 554.1 | | |
| 12/06/2018 | 11:53:53 | 334 | 6.3 | 13.58 | 558.3 | | |
| 12/06/2018 | 11:54:33 | 250 | 6.2 | 13.58 | 562.4 | | |
| 12/06/2018 | 11:55:13 | 308 | 6.2 | 13.59 | 566.6 | | |
| 12/06/2018 | 11:55:53 | 239 | 6.3 | 13.58 | 570.8 | | |
| 12/06/2018 | 11:56:33 | 272 | 6.3 | 13.55 | 575.0 | | |
| 12/06/2018 | 11:57:13 | 328 | 6.3 | 13.53 | 579.1 | | |

| Well | | | Field | Job Start | | Customer | Job Number |
|--------------------------------|------------------|-----------------------|---------------|--------------|------------|-------------------------------|------------|
| Castle Pines 19-8HZ 0631784131 | | | Wattenberg | Dec/06/2018 | | ANADARKO PETROLEUM COMPANY | E5N2-00239 |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | |
| 12/06/2018 | 11:58:33 | 280 | 6.3 | 13.53 | 587.5 | | |
| 12/06/2018 | 11:59:13 | 293 | 6.2 | 13.52 | 591.7 | | |
| 12/06/2018 | 11:59:53 | 320 | 6.3 | 13.52 | 595.8 | | |
| 12/06/2018 | 12:00:33 | 254 | 6.2 | 13.52 | 600.0 | | |
| 12/06/2018 | 12:01:13 | 338 | 6.2 | 13.52 | 604.2 | | |
| 12/06/2018 | 12:01:53 | 262 | 6.3 | 13.54 | 608.4 | | |
| 12/06/2018 | 12:02:33 | 272 | 6.2 | 13.55 | 612.6 | | |
| 12/06/2018 | 12:03:13 | 312 | 6.3 | 13.55 | 616.7 | | |
| 12/06/2018 | 12:03:53 | 282 | 6.3 | 13.54 | 620.9 | | |
| 12/06/2018 | 12:04:33 | 70 | 2.5 | 13.54 | 623.6 | | |
| 12/06/2018 | 12:05:13 | 67 | 2.5 | 13.58 | 625.2 | | |
| 12/06/2018 | 12:05:53 | 70 | 2.5 | 13.57 | 626.9 | | |
| 12/06/2018 | 12:06:33 | 336 | 5.6 | 13.56 | 628.8 | | |
| 12/06/2018 | 12:07:13 | 183 | 6.1 | 13.59 | 632.8 | | |
| 12/06/2018 | 12:07:53 | 401 | 6.0 | 13.60 | 636.9 | | |
| 12/06/2018 | 12:08:33 | 218 | 6.0 | 13.61 | 640.9 | | |
| 12/06/2018 | 12:09:13 | 353 | 6.1 | 13.62 | 644.8 | | |
| 12/06/2018 | 12:09:53 | 312 | 6.3 | 13.62 | 649.0 | | |
| 12/06/2018 | 12:11:13 | 330 | 6.3 | 13.62 | 657.3 | | |
| 12/06/2018 | 12:11:53 | 331 | 6.3 | 13.61 | 661.5 | | |
| 12/06/2018 | 12:12:33 | 246 | 6.2 | 13.61 | 665.7 | | |
| 12/06/2018 | 12:13:13 | 348 | 6.3 | 13.61 | 669.8 | | |
| 12/06/2018 | 12:13:53 | 276 | 6.3 | 13.61 | 674.0 | | |
| 12/06/2018 | 12:14:33 | 327 | 6.3 | 13.62 | 678.2 | | |
| 12/06/2018 | 12:15:13 | 318 | 6.3 | 13.63 | 682.4 | | |
| 12/06/2018 | 12:15:53 | 258 | 6.3 | 13.61 | 686.5 | | |
| 12/06/2018 | 12:16:33 | 339 | 6.2 | 13.58 | 690.7 | | |
| 12/06/2018 | 12:17:13 | 324 | 6.3 | 13.57 | 694.9 | | |
| 12/06/2018 | 12:17:53 | 347 | 6.3 | 13.57 | 699.1 | | |
| 12/06/2018 | 12:18:33 | 280 | 6.2 | 13.57 | 703.2 | | |
| 12/06/2018 | 12:19:13 | 324 | 6.3 | 13.58 | 707.4 | | |
| 12/06/2018 | 12:19:53 | 247 | 6.2 | 13.57 | 711.6 | | |
| 12/06/2018 | 12:20:33 | 274 | 6.2 | 13.58 | 715.8 | | |
| 12/06/2018 | 12:21:13 | 351 | 6.3 | 13.57 | 719.9 | | |
| 12/06/2018 | 12:21:53 | 267 | 6.3 | 13.57 | 724.1 | | |
| 12/06/2018 | 12:22:33 | 353 | 6.2 | 13.57 | 728.3 | | |
| 12/06/2018 | 12:23:13 | 362 | 6.3 | 13.56 | 732.4 | | |
| 12/06/2018 | 12:23:53 | 308 | 6.3 | 13.56 | 736.6 | | |
| 12/06/2018 | 12:24:33 | 274 | 6.2 | 13.54 | 740.8 | | |
| 12/06/2018 | 12:25:13 | 342 | 6.3 | 13.53 | 745.0 | | |
| 12/06/2018 | 12:25:53 | 275 | 6.2 | 13.51 | 749.2 | | |
| 12/06/2018 | 12:26:33 | 290 | 6.2 | 13.53 | 753.3 | | |
| 12/06/2018 | 12:27:13 | 339 | 6.3 | 13.55 | 757.5 | | |
| 12/06/2018 | 12:27:53 | 266 | 6.2 | 13.56 | 761.7 | | |
| 12/06/2018 | 12:28:33 | 338 | 6.2 | 13.55 | 765.9 | | |
| 12/06/2018 | 12:29:13 | 330 | 6.3 | 13.55 | 770.0 | | |
| 12/06/2018 | 12:29:53 | 257 | 6.3 | 13.55 | 774.1 | | |
| 12/06/2018 | 12:30:33 | 323 | 6.3 | 13.55 | 778.4 | | |
| 12/06/2018 | 12:31:13 | 344 | 6.3 | 13.56 | 782.6 | | |
| 12/06/2018 | 12:31:31 | 1 | 0.0 | 13.84 | 783.5 | End Tail Slurry | |
| 12/06/2018 | 12:31:32 | 2 | 0.0 | 13.84 | 783.5 | Reset Total, Vol = 462.79 bbl | |
| 12/06/2018 | 12:31:34 | 1 | 0.0 | 13.85 | 783.5 | End 50-50 POZ/"G" Slurry | |
| 12/06/2018 | 12:31:35 | 1 | 0.0 | 13.84 | 783.5 | 1564 Sacks @ 13.5 ppg | |
| 12/06/2018 | 12:31:36 | 1 | 0.0 | 13.85 | 783.5 | MudScale @ 13.5 ppg | |

| Well | | | Field | Job Start | | Customer | Job Number |
|--------------------------------|------------------|-----------------------|---------------|--------------|------------|------------------------------|------------|
| Castle Pines 19-8HZ 0631784131 | | | Wattenberg | Dec/06/2018 | | ANADARKO PETROLEUM COMPANY | E5N2-00239 |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | |
| 12/06/2018 | 12:31:53 | 2 | 0.0 | 13.82 | 783.5 | | |
| 12/06/2018 | 12:32:33 | 7 | 0.0 | 13.81 | 783.5 | | |
| 12/06/2018 | 12:33:13 | 7 | 0.0 | 13.80 | 783.5 | | |
| 12/06/2018 | 12:33:53 | 7 | 0.0 | 13.80 | 783.5 | | |
| 12/06/2018 | 12:34:33 | 7 | 0.0 | 13.80 | 783.5 | | |
| 12/06/2018 | 12:35:13 | 7 | 0.0 | 13.80 | 783.5 | | |
| 12/06/2018 | 12:35:53 | 7 | 0.0 | 13.80 | 783.5 | | |
| 12/06/2018 | 12:36:33 | 7 | 0.0 | 13.80 | 783.5 | | |
| 12/06/2018 | 12:37:13 | 7 | 0.0 | 13.80 | 783.5 | | |
| 12/06/2018 | 12:37:53 | 7 | 0.1 | 12.96 | 783.5 | | |
| 12/06/2018 | 12:38:33 | 7 | 0.0 | 12.45 | 783.5 | | |
| 12/06/2018 | 12:39:13 | 6 | 0.0 | 9.76 | 783.5 | | |
| 12/06/2018 | 12:39:53 | 74 | 1.5 | 11.02 | 783.7 | Wash Up | |
| 12/06/2018 | 12:40:33 | 59 | 2.8 | 9.18 | 785.2 | | |
| 12/06/2018 | 12:41:13 | 64 | 3.1 | 9.14 | 787.2 | | |
| 12/06/2018 | 12:41:53 | 68 | 3.1 | 9.11 | 789.3 | | |
| 12/06/2018 | 12:42:33 | 65 | 3.1 | 9.05 | 791.3 | | |
| 12/06/2018 | 12:43:13 | 65 | 3.1 | 8.94 | 793.3 | | |
| 12/06/2018 | 12:43:53 | 60 | 3.0 | 8.46 | 795.4 | | |
| 12/06/2018 | 12:44:33 | 87 | 3.0 | 8.40 | 797.4 | | |
| 12/06/2018 | 12:45:13 | 72 | 2.7 | 8.44 | 799.4 | | |
| 12/06/2018 | 12:45:53 | 76 | 2.6 | 8.40 | 801.1 | | |
| 12/06/2018 | 12:46:33 | 76 | 3.0 | 8.39 | 802.9 | | |
| 12/06/2018 | 12:47:13 | 71 | 2.6 | 8.39 | 804.7 | | |
| 12/06/2018 | 12:47:29 | 18 | 1.5 | 8.38 | 805.3 | Reset Total, Vol = 21.85 bbl | |
| 12/06/2018 | 12:47:47 | 3 | 0.0 | 8.38 | 805.4 | Drop Top Plug | |
| 12/06/2018 | 12:47:53 | -1 | 0.0 | 8.38 | 805.4 | | |
| 12/06/2018 | 12:48:33 | -3 | 0.0 | 8.39 | 805.4 | | |
| 12/06/2018 | 12:49:13 | -3 | 0.0 | 8.39 | 805.4 | | |
| 12/06/2018 | 12:49:53 | 49 | 0.0 | 8.37 | 805.5 | | |
| 12/06/2018 | 12:50:32 | 188 | 6.5 | 8.39 | 807.7 | Start Displacement | |
| 12/06/2018 | 12:50:33 | 151 | 6.4 | 8.39 | 807.8 | | |
| 12/06/2018 | 12:51:13 | 138 | 6.5 | 8.38 | 812.2 | | |
| 12/06/2018 | 12:51:53 | 128 | 6.5 | 8.38 | 816.5 | | |
| 12/06/2018 | 12:52:33 | 172 | 6.5 | 8.38 | 820.8 | | |
| 12/06/2018 | 12:53:13 | 160 | 6.5 | 8.38 | 825.1 | | |
| 12/06/2018 | 12:53:53 | 171 | 6.5 | 8.38 | 829.5 | | |
| 12/06/2018 | 12:54:33 | 156 | 6.5 | 8.38 | 833.8 | | |
| 12/06/2018 | 12:55:13 | 149 | 6.5 | 8.38 | 838.0 | | |
| 12/06/2018 | 12:55:53 | 128 | 6.5 | 8.38 | 842.5 | | |
| 12/06/2018 | 12:56:33 | 159 | 6.5 | 8.38 | 846.8 | | |
| 12/06/2018 | 12:57:13 | 146 | 6.5 | 8.38 | 851.1 | | |
| 12/06/2018 | 12:57:53 | 139 | 6.5 | 8.38 | 855.5 | | |
| 12/06/2018 | 12:58:33 | 151 | 6.5 | 8.38 | 859.8 | | |
| 12/06/2018 | 12:59:13 | 514 | 6.2 | 8.38 | 864.0 | | |
| 12/06/2018 | 12:59:53 | 916 | 7.9 | 8.38 | 868.7 | | |
| 12/06/2018 | 13:00:33 | 704 | 6.6 | 8.38 | 873.8 | | |
| 12/06/2018 | 13:01:13 | 732 | 6.5 | 8.38 | 878.1 | | |
| 12/06/2018 | 13:01:53 | 973 | 7.7 | 8.38 | 883.1 | | |
| 12/06/2018 | 13:02:33 | 998 | 7.7 | 8.38 | 888.2 | | |
| 12/06/2018 | 13:03:13 | 1033 | 7.7 | 8.38 | 893.3 | | |
| 12/06/2018 | 13:03:53 | 1084 | 7.7 | 8.38 | 898.4 | | |
| 12/06/2018 | 13:04:33 | 1150 | 7.7 | 8.38 | 903.6 | | |
| 12/06/2018 | 13:05:13 | 1198 | 7.6 | 8.38 | 908.7 | | |

| Well | | | Field | | Job Start | Customer | Job Number |
|--------------------------------|------------------------|-----------------------------|---------------------|-----------------|---------------|----------------------------|------------|
| Castle Pines 19-8HZ 0631784131 | | | Wattenberg | | Dec/06/2018 | ANADARKO PETROLEUM COMPANY | E5N2-00239 |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | |
| 12/06/2018 | 13:06:33 | 1297 | 7.7 | 8.38 | 918.9 | | |
| 12/06/2018 | 13:07:13 | 1382 | 7.6 | 8.38 | 924.0 | | |
| 12/06/2018 | 13:07:53 | 1434 | 7.7 | 8.38 | 929.1 | | |
| 12/06/2018 | 13:08:33 | 1472 | 7.6 | 8.38 | 934.2 | | |
| 12/06/2018 | 13:09:13 | 1525 | 7.6 | 8.38 | 939.3 | | |
| 12/06/2018 | 13:09:53 | 1579 | 7.6 | 8.38 | 944.4 | | |
| 12/06/2018 | 13:10:33 | 1647 | 7.6 | 8.38 | 949.4 | | |
| 12/06/2018 | 13:11:13 | 1713 | 7.6 | 8.37 | 954.5 | | |
| 12/06/2018 | 13:11:53 | 1779 | 7.6 | 8.37 | 959.6 | | |
| 12/06/2018 | 13:12:33 | 1838 | 7.6 | 8.37 | 964.7 | | |
| 12/06/2018 | 13:13:13 | 1909 | 7.6 | 8.37 | 969.7 | | |
| 12/06/2018 | 13:13:53 | 1974 | 7.5 | 8.37 | 974.8 | | |
| 12/06/2018 | 13:14:33 | 1995 | 7.6 | 8.38 | 979.9 | | |
| 12/06/2018 | 13:15:13 | 2027 | 7.6 | 8.37 | 984.9 | | |
| 12/06/2018 | 13:15:53 | 2050 | 7.6 | 8.37 | 990.0 | | |
| 12/06/2018 | 13:16:33 | 2056 | 7.6 | 8.37 | 995.1 | | |
| 12/06/2018 | 13:17:13 | 2063 | 7.7 | 8.37 | 1000.1 | | |
| 12/06/2018 | 13:17:53 | 2089 | 7.6 | 8.37 | 1005.2 | | |
| 12/06/2018 | 13:18:33 | 2105 | 7.6 | 8.37 | 1010.3 | | |
| 12/06/2018 | 13:19:13 | 2129 | 7.6 | 8.37 | 1015.3 | | |
| 12/06/2018 | 13:19:53 | 2137 | 7.5 | 8.38 | 1020.4 | | |
| 12/06/2018 | 13:21:13 | 2164 | 7.6 | 8.37 | 1030.5 | | |
| 12/06/2018 | 13:21:53 | 2138 | 7.6 | 8.37 | 1035.6 | | |
| 12/06/2018 | 13:22:33 | 2152 | 7.6 | 8.37 | 1040.6 | | |
| 12/06/2018 | 13:23:13 | 2154 | 7.5 | 8.37 | 1045.7 | | |
| 12/06/2018 | 13:23:53 | 2174 | 7.6 | 8.37 | 1050.7 | | |
| 12/06/2018 | 13:24:33 | 2209 | 7.6 | 8.37 | 1055.8 | | |
| 12/06/2018 | 13:25:13 | 2247 | 7.6 | 8.37 | 1060.8 | | |
| 12/06/2018 | 13:25:53 | 2247 | 7.6 | 8.37 | 1065.9 | | |
| 12/06/2018 | 13:26:33 | 2278 | 7.6 | 8.37 | 1071.0 | | |
| 12/06/2018 | 13:27:13 | 2291 | 7.6 | 8.37 | 1076.0 | | |
| 12/06/2018 | 13:27:53 | 2253 | 7.6 | 8.37 | 1081.1 | | |
| 12/06/2018 | 13:28:33 | 2265 | 7.6 | 8.37 | 1086.1 | | |
| 12/06/2018 | 13:29:13 | 2269 | 7.6 | 8.37 | 1091.2 | | |
| 12/06/2018 | 13:29:53 | 2301 | 7.6 | 8.37 | 1096.2 | | |
| 12/06/2018 | 13:30:33 | 2310 | 7.6 | 8.37 | 1101.2 | | |
| 12/06/2018 | 13:31:13 | 2337 | 7.6 | 8.37 | 1106.3 | | |
| 12/06/2018 | 13:31:53 | 2331 | 7.6 | 8.37 | 1111.3 | | |
| 12/06/2018 | 13:32:33 | 2370 | 7.5 | 8.37 | 1116.4 | | |
| 12/06/2018 | 13:33:13 | 2394 | 7.6 | 8.37 | 1121.4 | | |
| 12/06/2018 | 13:33:53 | 2349 | 7.5 | 8.37 | 1126.5 | | |
| 12/06/2018 | 13:34:33 | 2357 | 7.6 | 8.37 | 1131.5 | | |
| 12/06/2018 | 13:35:13 | 2368 | 7.5 | 8.37 | 1136.5 | | |
| 12/06/2018 | 13:35:53 | 2382 | 7.6 | 8.37 | 1141.6 | | |
| 12/06/2018 | 13:36:33 | 2376 | 7.6 | 8.37 | 1146.6 | | |
| 12/06/2018 | 13:37:13 | 2423 | 7.5 | 8.37 | 1151.6 | | |
| 12/06/2018 | 13:37:53 | 2448 | 7.5 | 8.37 | 1156.6 | | |
| 12/06/2018 | 13:38:33 | 2455 | 7.5 | 8.37 | 1161.6 | | |
| 12/06/2018 | 13:39:13 | 2451 | 7.5 | 8.37 | 1166.6 | | |
| 12/06/2018 | 13:39:53 | 2471 | 7.5 | 8.37 | 1171.5 | | |
| 12/06/2018 | 13:40:33 | 2475 | 7.5 | 8.37 | 1176.6 | | |
| 12/06/2018 | 13:41:13 | 2434 | 7.4 | 8.37 | 1181.6 | | |
| 12/06/2018 | 13:41:53 | 2464 | 7.5 | 8.37 | 1186.6 | | |
| 12/06/2018 | 13:42:33 | 2459 | 7.5 | 8.37 | 1191.5 | | |

| Well | | | Field | Job Start | | Customer | Job Number |
|--------------------------------|------------------|-----------------------|---------------|--------------|------------|-------------------------------|------------|
| Castle Pines 19-8HZ 0631784131 | | | Wattenberg | Dec/06/2018 | | ANADARKO PETROLEUM COMPANY | E5N2-00239 |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | |
| 12/06/2018 | 13:43:53 | 2511 | 7.4 | 8.37 | 1201.4 | | |
| 12/06/2018 | 13:44:33 | 2543 | 7.5 | 8.37 | 1206.4 | | |
| 12/06/2018 | 13:45:13 | 2546 | 7.4 | 8.37 | 1211.3 | | |
| 12/06/2018 | 13:45:53 | 2549 | 7.4 | 8.37 | 1216.3 | | |
| 12/06/2018 | 13:46:33 | 2564 | 7.4 | 8.37 | 1221.2 | | |
| 12/06/2018 | 13:47:13 | 2532 | 7.4 | 8.37 | 1226.1 | | |
| 12/06/2018 | 13:47:53 | 2546 | 7.3 | 8.37 | 1231.1 | | |
| 12/06/2018 | 13:48:33 | 2568 | 7.3 | 8.37 | 1236.0 | | |
| 12/06/2018 | 13:49:13 | 2193 | 3.4 | 8.37 | 1240.7 | | |
| 12/06/2018 | 13:49:53 | 1656 | 0.5 | 8.37 | 1241.2 | | |
| 12/06/2018 | 13:50:33 | 1753 | 2.2 | 8.37 | 1242.7 | | |
| 12/06/2018 | 13:51:13 | 1759 | 2.2 | 8.37 | 1244.1 | | |
| 12/06/2018 | 13:51:53 | 1768 | 2.2 | 8.37 | 1245.6 | | |
| 12/06/2018 | 13:52:33 | 2384 | 2.2 | 8.37 | 1247.1 | | |
| 12/06/2018 | 13:53:13 | 2950 | 0.0 | 8.38 | 1247.9 | | |
| 12/06/2018 | 13:53:21 | 2973 | 0.0 | 8.38 | 1247.9 | Bump Top Plug | |
| 12/06/2018 | 13:53:22 | 3006 | 0.0 | 8.38 | 1247.9 | End Displacement | |
| 12/06/2018 | 13:53:25 | 2994 | 0.0 | 8.38 | 1247.9 | Reset Total, Vol = 434.54 bbl | |
| 12/06/2018 | 13:53:53 | 3003 | 0.0 | 8.38 | 1247.9 | | |
| 12/06/2018 | 13:54:33 | 3006 | 0.0 | 8.38 | 1247.9 | | |
| 12/06/2018 | 13:55:13 | 3024 | 0.0 | 8.38 | 1247.9 | | |
| 12/06/2018 | 13:55:53 | 3026 | 0.0 | 8.38 | 1247.9 | | |
| 12/06/2018 | 13:56:33 | 3020 | 0.0 | 8.38 | 1247.9 | | |
| 12/06/2018 | 13:57:13 | 3037 | 0.0 | 8.38 | 1247.9 | | |
| 12/06/2018 | 13:57:53 | 3051 | 0.0 | 8.38 | 1247.9 | | |
| 12/06/2018 | 13:58:33 | 3069 | 0.0 | 8.38 | 1247.9 | | |
| 12/06/2018 | 13:59:13 | 3083 | 0.0 | 8.38 | 1247.9 | | |
| 12/06/2018 | 13:59:53 | 3100 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:00:33 | 3109 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:01:13 | 3123 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:01:53 | 3137 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:02:33 | 3150 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:03:13 | 3161 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:03:53 | 3173 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:04:33 | 3182 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:05:53 | 3207 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:06:33 | 3218 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:07:13 | 3230 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:07:53 | 3241 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:08:33 | 3252 | 0.0 | 8.39 | 1247.9 | | |
| 12/06/2018 | 14:09:13 | 3278 | 0.0 | 8.38 | 1247.9 | Pressure Up to Open WSS | |
| 12/06/2018 | 14:09:14 | 3281 | 0.0 | 8.39 | 1247.9 | Open Up @ 4200 psi | |
| 12/06/2018 | 14:09:53 | 4197 | 2.0 | 8.39 | 1249.0 | | |
| 12/06/2018 | 14:10:33 | 3219 | 2.0 | 8.39 | 1250.4 | | |
| 12/06/2018 | 14:10:59 | 1670 | 0.0 | 8.38 | 1250.5 | Reset Total, Vol = 2.57 bbl | |
| 12/06/2018 | 14:11:13 | 1724 | 1.9 | 8.39 | 1250.6 | Pump Water | |
| 12/06/2018 | 14:11:53 | 1794 | 2.2 | 8.38 | 1252.0 | | |
| 12/06/2018 | 14:12:33 | 1801 | 2.2 | 8.39 | 1253.4 | | |
| 12/06/2018 | 14:13:13 | 1828 | 2.2 | 8.38 | 1254.9 | | |
| 12/06/2018 | 14:13:32 | 1677 | 0.1 | 8.38 | 1255.5 | End Water | |
| 12/06/2018 | 14:13:33 | 1674 | 0.0 | 8.38 | 1255.5 | Reset Total, Vol = 4.99 bbl | |
| 12/06/2018 | 14:13:53 | 1567 | 0.0 | 8.39 | 1255.5 | | |
| 12/06/2018 | 14:14:33 | 1468 | 0.0 | 8.39 | 1255.5 | | |
| 12/06/2018 | 14:15:13 | 53 | 0.0 | 8.39 | 1255.5 | | |

| Well | | | Field | | Job Start | Customer | | Job Number | |
|--------------------------------|------------------------|-----------------------------|---------------------|-----------------|---------------|----------------------------|--|------------|--|
| Castle Pines 19-8HZ 0631784131 | | | Wattenberg | | Dec/06/2018 | ANADARKO PETROLEUM COMPANY | | E5N2-00239 | |
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | | | |
| 12/06/2018 | 14:15:53 | 13 | 0.0 | 8.39 | 1255.5 | | | | |
| 12/06/2018 | 14:16:33 | 7 | 0.0 | 8.39 | 1255.5 | | | | |
| 12/06/2018 | 14:17:13 | 5 | 0.0 | 8.39 | 1255.5 | | | | |
| 12/06/2018 | 14:17:53 | 9 | 0.0 | 8.39 | 1255.5 | | | | |
| 12/06/2018 | 14:18:33 | 6 | 0.0 | 8.39 | 1255.5 | | | | |

Post Job Summary

| Average Pump Rates, bbl/min | | | | | Volume of Fluid Injected, bbl | | | | | | | |
|---|-------------------------------------|---------------------------|--|-------------------------------|-------------------------------|--|--|----|--|--|--|--|
| Slurry | N2 | Mud | Maximum Rate | | Total Slurry 697.9 | Mud | Spacer 79.6 | N2 | | | | |
| Treating Pressure Summary, psi | | | | | Breakdown Fluid | | | | | | | |
| Maximum 6500 | Final 1828 | Average 1200 | Bump Plug to 3000 | Breakdown | Type | Volume bbl | Density lb/gal | | | | | |
| Avg. N2 Percent % | Designed Slurry Volume 691.9 bbl | Displacement 434.5 bbl | Mix Water Temp 65 degF | Cement Circulated to Surface? | | <input checked="" type="checkbox"/> | Volume bbl | | | | | |
| | | | | Washed Thru Perfs | | <input type="checkbox"/> | To ft | | | | | |
| Customer or Authorized Representative John Truett/James Adkins | | | Schlumberger Supervisor Wence Luste | | | Circulation Lost <input type="checkbox"/> | Job Completed <input checked="" type="checkbox"/> | | | | | |
| | | | | | | - | - | | | | | |