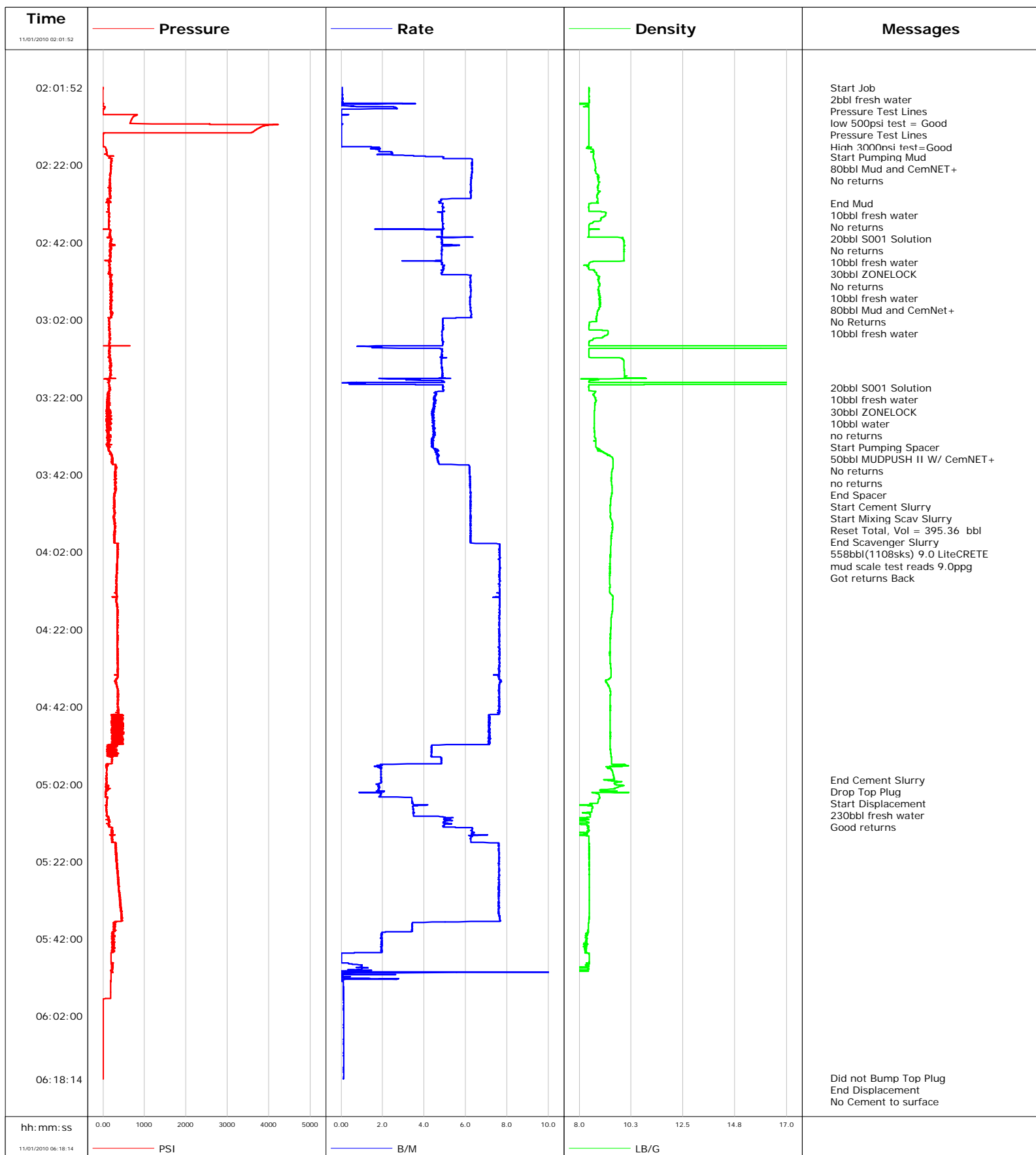


Well SGU 8502C-36
Field Story Gulch
Engineer Dustin Krueger
Country United States

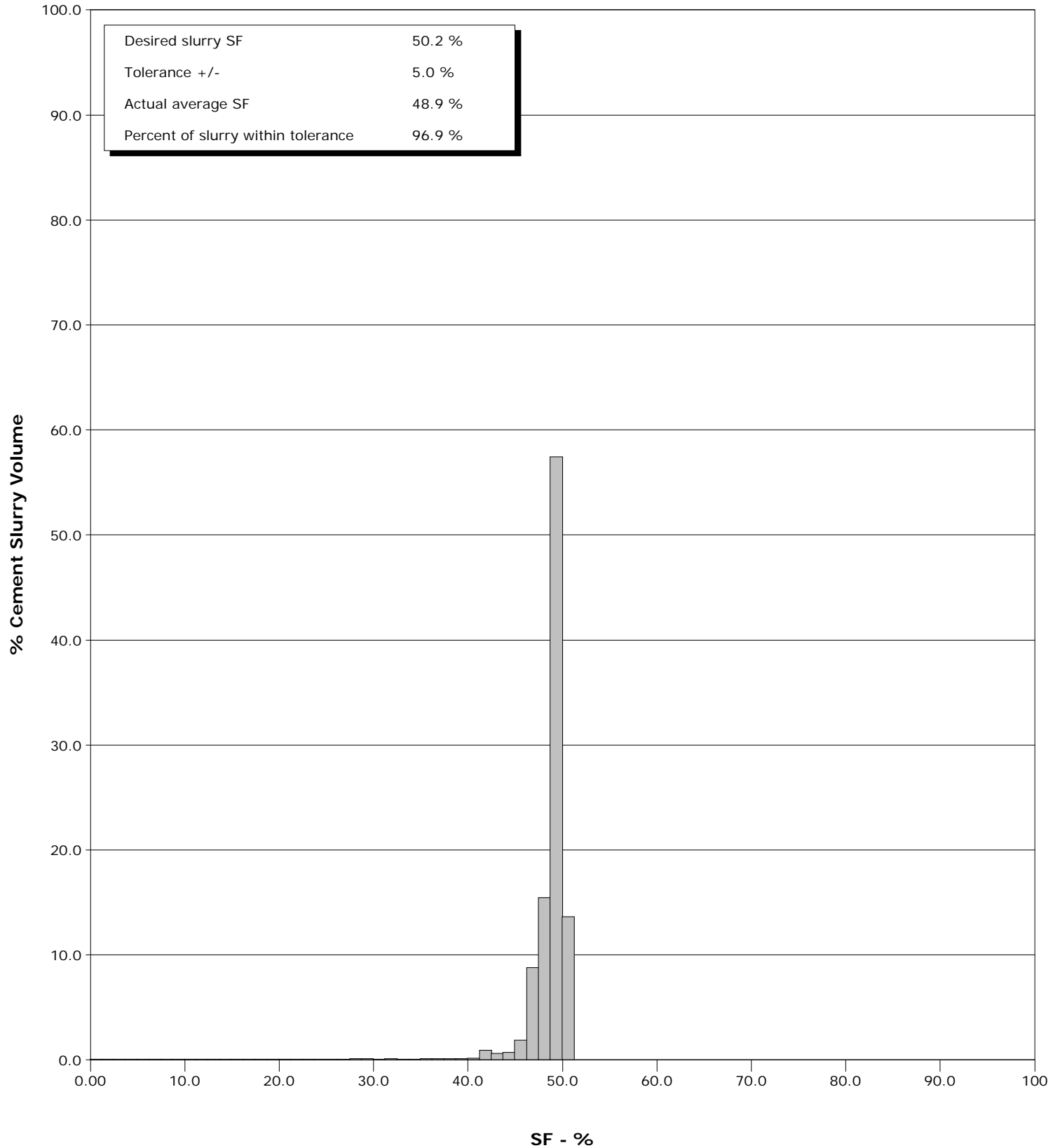
Client Encana oil Gas
SIR No. 000385702
Job Type 3022ft 9 5/8 surface
Job Date 11-01-2010



Well SGU 8502C-36
Field Story Gulch
Engineer Dustin Krueger
Country United States

Client Encana oil Gas
SIR No. 000385702
Job Type 3022ft 9 5/8 surface
Job Date 11-01-2010

Cement Slurry - 11/01/2010 03:35:22 to 11/01/2010 05:00:57





| Well SGU 8502C-36 SGU 8502C-36 | | | Field Story Gulch | | Job Start Nov/01/2010 | | Customer Encana oil & Gas | | Job Number 000385702 | |
|-----------------------------------|------------------------|-----------------------------|----------------------|-----------------|--------------------------|-----------------------|------------------------------|--|-------------------------|--|
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | | | | |
| 11/01/2010 | 02:19:35 | 118 | 3.5 | 8.61 | 7.5 | | | | | |
| 11/01/2010 | 02:19:48 | | | | | Start Pumping Mud | | | | |
| 11/01/2010 | 02:19:48 | 158 | 4.7 | 8.61 | 8.4 | | | | | |
| 11/01/2010 | 02:19:54 | | | | | 80bbl Mud and CemNET+ | | | | |
| 11/01/2010 | 02:19:54 | | | | | No returns | | | | |
| 11/01/2010 | 02:19:54 | 167 | 4.9 | 8.62 | 8.9 | | | | | |
| 11/01/2010 | 02:22:05 | 201 | 6.3 | 8.69 | 22.1 | | | | | |
| 11/01/2010 | 02:24:35 | 177 | 6.3 | 8.81 | 37.8 | | | | | |
| 11/01/2010 | 02:27:05 | 156 | 6.3 | 8.84 | 53.5 | | | | | |
| 11/01/2010 | 02:29:35 | 173 | 6.3 | 8.79 | 69.2 | | | | | |
| 11/01/2010 | 02:31:50 | | | | | End Mud | | | | |
| 11/01/2010 | 02:31:50 | 116 | 4.8 | 8.69 | 81.6 | | | | | |
| 11/01/2010 | 02:31:57 | | | | | 10bbl fresh water | | | | |
| 11/01/2010 | 02:31:57 | 127 | 4.9 | 8.44 | 82.2 | | | | | |
| 11/01/2010 | 02:32:05 | 134 | 4.9 | 8.42 | 82.8 | | | | | |
| 11/01/2010 | 02:33:24 | | | | | No returns | | | | |
| 11/01/2010 | 02:33:24 | 130 | 4.9 | 8.41 | 89.3 | | | | | |
| 11/01/2010 | 02:33:52 | | | | | 20bbl S001 Solution | | | | |
| 11/01/2010 | 02:33:52 | 152 | 4.9 | 8.41 | 91.6 | | | | | |
| 11/01/2010 | 02:34:35 | 161 | 4.9 | 9.15 | 95.0 | | | | | |
| 11/01/2010 | 02:34:49 | | | | | No returns | | | | |
| 11/01/2010 | 02:34:49 | 140 | 4.9 | 9.14 | 96.2 | | | | | |
| 11/01/2010 | 02:37:05 | 141 | 4.9 | 8.50 | 107.2 | | | | | |
| 11/01/2010 | 02:38:24 | | | | | 10bbl fresh water | | | | |
| 11/01/2010 | 02:38:24 | 148 | 4.9 | 8.41 | 113.7 | | | | | |
| 11/01/2010 | 02:39:35 | 165 | 4.9 | 8.41 | 119.2 | | | | | |
| 11/01/2010 | 02:40:40 | | | | | 30bbl ZONELOCK | | | | |
| 11/01/2010 | 02:40:40 | 109 | 6.0 | 9.65 | 124.6 | | | | | |
| 11/01/2010 | 02:42:05 | 197 | 4.9 | 9.96 | 131.5 | | | | | |
| 11/01/2010 | 02:43:30 | | | | | No returns | | | | |
| 11/01/2010 | 02:43:30 | 182 | 4.9 | 9.94 | 138.6 | | | | | |
| 11/01/2010 | 02:44:35 | 179 | 4.8 | 9.94 | 143.8 | | | | | |
| 11/01/2010 | 02:46:56 | | | | | 10bbl fresh water | | | | |
| 11/01/2010 | 02:46:56 | 183 | 4.8 | 8.64 | 155.1 | | | | | |
| 11/01/2010 | 02:47:05 | 147 | 4.9 | 8.50 | 155.8 | | | | | |
| 11/01/2010 | 02:48:53 | | | | | 80bbl Mud and CemNet+ | | | | |
| 11/01/2010 | 02:48:53 | 170 | 4.9 | 8.41 | 164.6 | | | | | |
| 11/01/2010 | 02:49:35 | 143 | 4.9 | 8.68 | 168.1 | | | | | |
| 11/01/2010 | 02:49:45 | | | | | No Returns | | | | |
| 11/01/2010 | 02:49:45 | 152 | 4.9 | 8.69 | 168.9 | | | | | |
| 11/01/2010 | 02:52:05 | 195 | 6.2 | 8.82 | 182.6 | | | | | |
| 11/01/2010 | 02:54:35 | 208 | 6.3 | 8.84 | 198.2 | | | | | |
| 11/01/2010 | 02:57:05 | 176 | 6.2 | 8.86 | 213.8 | | | | | |
| 11/01/2010 | 02:59:35 | 195 | 6.2 | 8.81 | 229.3 | | | | | |
| 11/01/2010 | 03:01:16 | | | | | 10bbl fresh water | | | | |
| 11/01/2010 | 03:01:16 | 205 | 6.3 | 8.75 | 239.9 | | | | | |
| 11/01/2010 | 03:02:05 | 148 | 4.9 | 8.76 | 244.3 | | | | | |
| 11/01/2010 | 03:04:35 | 158 | 4.9 | 8.42 | 256.5 | | | | | |
| 11/01/2010 | 03:07:05 | 170 | 4.9 | 8.60 | 268.7 | | | | | |
| 11/01/2010 | 03:09:35 | 154 | 4.9 | 8.41 | 278.9 | | | | | |
| 11/01/2010 | 03:12:05 | 186 | 4.8 | 9.86 | 291.1 | | | | | |
| 11/01/2010 | 03:14:35 | 169 | 4.9 | 9.95 | 303.2 | | | | | |
| 11/01/2010 | 03:17:05 | 158 | 4.7 | 10.84 | 315.4 | | | | | |
| 11/01/2010 | 03:19:35 | 169 | 4.9 | 8.42 | 324.3 | | | | | |

| Well SGU 8502C-36 SGU 8502C-36 | | | Field Story Gulch | | Job Start Nov/01/2010 | | Customer Encana oil & Gas | | Job Number 000385702 | |
|-----------------------------------|------------------------|-----------------------------|----------------------|-----------------|--------------------------|-------------------------------|------------------------------|--|-------------------------|--|
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | | | | |
| 11/01/2010 | 03:19:38 | 161 | 4.9 | 8.42 | 324.5 | | | | | |
| 11/01/2010 | 03:19:47 | | | | | 10bbl fresh water | | | | |
| 11/01/2010 | 03:19:47 | 160 | 4.9 | 8.42 | 325.3 | | | | | |
| 11/01/2010 | 03:19:56 | | | | | 30bbl ZONELOCK | | | | |
| 11/01/2010 | 03:19:56 | | | | | 10bbl water | | | | |
| 11/01/2010 | 03:19:56 | 171 | 4.9 | 8.42 | 326.0 | | | | | |
| 11/01/2010 | 03:20:01 | | | | | no returns | | | | |
| 11/01/2010 | 03:20:01 | 167 | 4.9 | 8.41 | 326.4 | | | | | |
| 11/01/2010 | 03:20:15 | | | | | Start Pumping Spacer | | | | |
| 11/01/2010 | 03:20:15 | 164 | 4.9 | 8.41 | 327.6 | | | | | |
| 11/01/2010 | 03:20:18 | | | | | 50bbl MUDPUSH II W/ CemNET+ | | | | |
| 11/01/2010 | 03:20:18 | | | | | No returns | | | | |
| 11/01/2010 | 03:20:18 | 164 | 4.9 | 8.42 | 327.8 | | | | | |
| 11/01/2010 | 03:22:05 | 131 | 4.5 | 8.68 | 336.0 | | | | | |
| 11/01/2010 | 03:24:35 | 88 | 4.4 | 8.68 | 347.2 | | | | | |
| 11/01/2010 | 03:27:05 | 116 | 4.4 | 8.65 | 358.3 | | | | | |
| 11/01/2010 | 03:29:35 | 131 | 4.4 | 8.65 | 369.4 | | | | | |
| 11/01/2010 | 03:32:05 | 168 | 4.5 | 8.67 | 380.6 | | | | | |
| 11/01/2010 | 03:33:38 | | | | | no returns | | | | |
| 11/01/2010 | 03:33:38 | 131 | 4.4 | 8.72 | 387.4 | | | | | |
| 11/01/2010 | 03:34:35 | 139 | 4.4 | 8.73 | 391.6 | | | | | |
| 11/01/2010 | 03:35:21 | | | | | End Spacer | | | | |
| 11/01/2010 | 03:35:21 | 152 | 4.5 | 8.81 | 395.0 | | | | | |
| 11/01/2010 | 03:35:22 | | | | | Start Cement Slurry | | | | |
| 11/01/2010 | 03:35:22 | 132 | 4.5 | 8.84 | 395.1 | | | | | |
| 11/01/2010 | 03:35:23 | | | | | Start Mixing Scav Slurry | | | | |
| 11/01/2010 | 03:35:23 | 130 | 4.5 | 8.84 | 395.1 | | | | | |
| 11/01/2010 | 03:35:26 | | | | | Reset Total, Vol = 395.36 bbl | | | | |
| 11/01/2010 | 03:35:26 | 126 | 4.5 | 8.81 | 395.4 | | | | | |
| 11/01/2010 | 03:37:05 | 196 | 4.7 | 9.24 | 403.0 | | | | | |
| 11/01/2010 | 03:39:35 | 296 | 6.1 | 9.46 | 414.8 | | | | | |
| 11/01/2010 | 03:40:35 | | | | | End Scavenger Slurry | | | | |
| 11/01/2010 | 03:40:35 | 316 | 6.2 | 9.44 | 421.0 | | | | | |
| 11/01/2010 | 03:40:39 | | | | | 558bbl(1108sks) 9.0 LiteCRETE | | | | |
| 11/01/2010 | 03:40:39 | 297 | 6.2 | 9.45 | 421.4 | | | | | |
| 11/01/2010 | 03:40:40 | | | | | mud scale test reads 9.0ppg | | | | |
| 11/01/2010 | 03:40:40 | 297 | 6.2 | 9.45 | 421.5 | | | | | |
| 11/01/2010 | 03:42:05 | 305 | 6.2 | 9.40 | 430.3 | | | | | |
| 11/01/2010 | 03:44:35 | 295 | 6.2 | 9.41 | 445.8 | | | | | |
| 11/01/2010 | 03:47:05 | 286 | 6.3 | 9.41 | 461.4 | | | | | |
| 11/01/2010 | 03:49:35 | 266 | 6.2 | 9.36 | 477.0 | | | | | |
| 11/01/2010 | 03:52:05 | 287 | 6.2 | 9.36 | 492.6 | | | | | |
| 11/01/2010 | 03:52:24 | | | | | Got returns Back | | | | |
| 11/01/2010 | 03:52:24 | 277 | 6.2 | 9.37 | 494.5 | | | | | |
| 11/01/2010 | 03:54:35 | 277 | 6.2 | 9.45 | 508.2 | | | | | |
| 11/01/2010 | 03:57:05 | 276 | 6.2 | 9.41 | 523.7 | | | | | |
| 11/01/2010 | 03:59:35 | 284 | 6.2 | 9.38 | 539.3 | | | | | |
| 11/01/2010 | 04:02:05 | 353 | 7.6 | 9.36 | 558.1 | | | | | |
| 11/01/2010 | 04:04:35 | 348 | 7.6 | 9.34 | 577.2 | | | | | |
| 11/01/2010 | 04:07:05 | 341 | 7.6 | 9.33 | 596.3 | | | | | |
| 11/01/2010 | 04:09:35 | 329 | 7.7 | 9.32 | 615.4 | | | | | |
| 11/01/2010 | 04:12:05 | 319 | 7.6 | 9.31 | 634.4 | | | | | |
| 11/01/2010 | 04:14:35 | 325 | 7.6 | 9.46 | 653.5 | | | | | |
| 11/01/2010 | 04:17:05 | 349 | 7.6 | 9.44 | 672.6 | | | | | |

| Well SGU 8502C-36 SGU 8502C-36 | | | Field Story Gulch | | Job Start Nov/01/2010 | Customer Encana oil & Gas | Job Number 000385702 |
|-----------------------------------|------------------------|-----------------------------|----------------------|-----------------|--------------------------|------------------------------|-------------------------|
| Date | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message | |
| 11/01/2010 | 04:22:05 | 349 | 7.6 | 9.36 | 710.7 | | |
| 11/01/2010 | 04:24:35 | 365 | 7.6 | 9.35 | 729.8 | | |
| 11/01/2010 | 04:27:05 | 350 | 7.6 | 9.34 | 748.8 | | |
| 11/01/2010 | 04:29:35 | 339 | 7.6 | 9.33 | 767.9 | | |
| 11/01/2010 | 04:32:05 | 357 | 7.6 | 9.37 | 787.0 | | |
| 11/01/2010 | 04:34:35 | 337 | 7.6 | 9.35 | 806.0 | | |
| 11/01/2010 | 04:37:05 | 345 | 7.6 | 9.31 | 825.1 | | |
| 11/01/2010 | 04:39:35 | 356 | 7.6 | 9.34 | 844.1 | | |
| 11/01/2010 | 04:42:05 | 369 | 7.6 | 9.35 | 863.2 | | |
| 11/01/2010 | 04:44:35 | 295 | 7.1 | 9.35 | 882.0 | | |
| 11/01/2010 | 04:47:05 | 481 | 7.1 | 9.34 | 899.8 | | |
| 11/01/2010 | 04:49:35 | 220 | 7.1 | 9.35 | 917.6 | | |
| 11/01/2010 | 04:52:05 | 185 | 4.4 | 9.34 | 934.8 | | |
| 11/01/2010 | 04:54:35 | 121 | 4.4 | 9.38 | 945.7 | | |
| 11/01/2010 | 04:57:05 | 78 | 1.9 | 9.94 | 956.9 | | |
| 11/01/2010 | 04:59:35 | 92 | 1.9 | 9.48 | 961.7 | | |
| 11/01/2010 | 05:00:57 | | | | | End Cement Slurry | |
| 11/01/2010 | 05:00:57 | 92 | 1.9 | 9.07 | 964.3 | | |
| 11/01/2010 | 05:00:58 | | | | | Drop Top Plug | |
| 11/01/2010 | 05:00:58 | 88 | 1.9 | 9.08 | 964.3 | | |
| 11/01/2010 | 05:00:59 | | | | | Start Displacement | |
| 11/01/2010 | 05:00:59 | 87 | 1.9 | 9.08 | 964.4 | | |
| 11/01/2010 | 05:02:05 | 70 | 1.7 | 9.55 | 966.4 | | |
| 11/01/2010 | 05:04:35 | 64 | 1.9 | 8.82 | 971.0 | | |
| 11/01/2010 | 05:07:05 | 96 | 3.5 | 8.47 | 978.3 | | |
| 11/01/2010 | 05:08:09 | | | | | 230bbl fresh water | |
| 11/01/2010 | 05:08:09 | 85 | 3.5 | 8.59 | 982.0 | | |
| 11/01/2010 | 05:08:10 | | | | | Good returns | |
| 11/01/2010 | 05:08:10 | 85 | 3.5 | 8.59 | 982.1 | | |
| 11/01/2010 | 05:09:35 | 94 | 3.5 | 8.37 | 987.0 | | |
| 11/01/2010 | 05:12:05 | 141 | 4.9 | 8.40 | 998.4 | | |
| 11/01/2010 | 05:14:35 | 198 | 6.4 | 8.04 | 1012.7 | | |
| 11/01/2010 | 05:17:05 | 239 | 6.2 | 8.43 | 1028.5 | | |
| 11/01/2010 | 05:19:35 | 315 | 7.6 | 8.43 | 1047.4 | | |
| 11/01/2010 | 05:22:05 | 329 | 7.6 | 8.43 | 1066.4 | | |
| 11/01/2010 | 05:24:35 | 358 | 7.6 | 8.43 | 1085.4 | | |
| 11/01/2010 | 05:27:05 | 373 | 7.6 | 8.43 | 1104.4 | | |
| 11/01/2010 | 05:29:35 | 380 | 7.6 | 8.43 | 1123.4 | | |
| 11/01/2010 | 05:32:05 | 409 | 7.6 | 8.43 | 1142.4 | | |
| 11/01/2010 | 05:34:35 | 441 | 7.6 | 8.43 | 1161.4 | | |
| 11/01/2010 | 05:37:05 | 443 | 7.7 | 8.43 | 1180.5 | | |
| 11/01/2010 | 05:39:35 | 291 | 3.4 | 8.39 | 1191.5 | | |
| 11/01/2010 | 05:42:05 | 262 | 2.0 | 8.32 | 1197.3 | | |
| 11/01/2010 | 05:44:35 | 262 | 2.0 | 8.30 | 1202.2 | | |
| 11/01/2010 | 05:47:05 | 199 | 0.0 | 8.43 | 1204.3 | | |
| 11/01/2010 | 05:49:35 | 213 | 1.0 | 8.32 | 1205.4 | | |
| 11/01/2010 | 05:52:05 | 193 | 0.0 | 5.66 | 1209.2 | | |
| 11/01/2010 | 05:54:35 | 187 | 0.1 | 3.12 | 1210.0 | | |
| 11/01/2010 | 05:57:05 | 183 | 0.1 | 3.15 | 1210.3 | | |
| 11/01/2010 | 05:59:35 | 5 | 0.1 | 3.19 | 1210.6 | | |
| 11/01/2010 | 06:02:05 | 5 | 0.1 | 3.21 | 1210.9 | | |
| 11/01/2010 | 06:04:35 | 4 | 0.1 | 3.23 | 1211.2 | | |
| 11/01/2010 | 06:07:05 | 4 | 0.1 | 3.24 | 1211.5 | | |
| 11/01/2010 | 06:09:35 | 5 | 0.1 | 3.26 | 1211.8 | | |

| Well SGU 8502C-36 SGU 8502C-36 | | | Field Story Gulch | | Job Start Nov/01/2010 | Customer Encana oil & Gas | | Job Number 000385702 | |
|-----------------------------------|------------------------|-----------------------------|----------------------|---------------------|--------------------------|------------------------------|-----------------------|-------------------------|--|
| Date | Time 24-hr clock | Treating Pressure PSI | | Flow Rate B/M | Density LB/G | Volume BBL | Message | | |
| 11/01/2010 | 06:14:35 | 4 | | 0.1 | 3.28 | 1212.5 | | | |
| 11/01/2010 | 06:17:05 | 4 | | 0.1 | 3.29 | 1212.8 | | | |
| 11/01/2010 | 06:17:56 | | | | | | Did not Bump Top Plug | | |
| 11/01/2010 | 06:17:56 | 4 | | 0.1 | 3.29 | 1212.9 | | | |
| 11/01/2010 | 06:17:59 | | | | | | End Displacement | | |
| 11/01/2010 | 06:17:59 | 4 | | 0.1 | 3.29 | 1212.9 | | | |
| 11/01/2010 | 06:18:05 | | | | | | No Cement to surface | | |
| 11/01/2010 | 06:18:05 | 4 | | 0.1 | 3.29 | 1212.9 | | | |
| 11/01/2010 | 06:18:08 | | | | | | End Job | | |
| 11/01/2010 | 06:18:08 | 4 | | 0.1 | 3.29 | 1212.9 | | | |

Post Job Summary

| Average Pump Rates, | | | | | Volume of Fluid Injected, bbl | | | | | | |
|--|--------------|-------------------------------------|-------------------|---|-------------------------------|---------------------------|-----------------|--|--|---|--|
| Slurry | N2 | Mud | Maximum Rate | | Total Slurry 558.0 | Mud 160.0 | Spacer 100.0 | N2 | | | |
| Treating Pressure Summary, psi | | | | | Breakdown Fluid | | | | | | |
| Maximum 3000 | Final 360 | Average 250 | Bump Plug to 0 | Breakdown 275 | Type FreshWater | Volume 873.0 bbl | | Density 8.34 lb/gal | | | |
| Avg. N2 Percent | | Designed Slurry Volume 558.0 bbl | | Displacement 230.7 bbl | | Mix Water Temp 65 degF | | Cement Circulated to Surface? <input type="checkbox"/> | | Volume 0.0 bbl | |
| | | | | | | | | Washed Thru Perfs <input type="checkbox"/> | | To | |
| Customer or Authorized Representative Randy Burke | | | | Schlumberger Supervisor Dustin Krueger | | | | Circulation Lost <input checked="" type="checkbox"/> | | Job Completed <input checked="" type="checkbox"/> | |
| | | | | | | | | - | | - | |