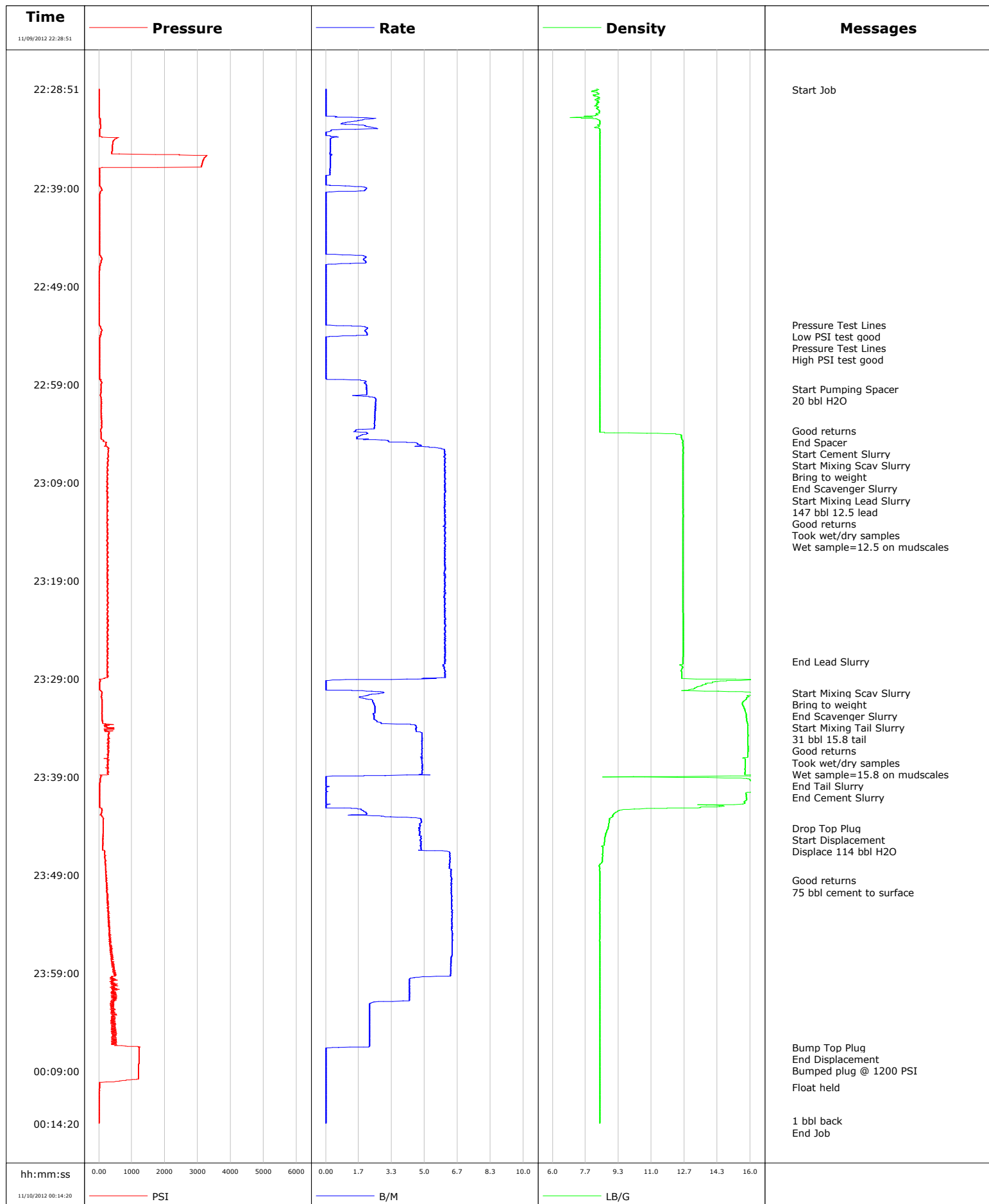


| | | | |
|-----------------|----------------------|-----------------|----------------|
| Well | Benzel Fee 25-3D | Client | Encana |
| Field | Mamm Creek | SIR No. | C610-00873 |
| Engineer | Matt Fair/Mike Reedy | Job Type | 9 5/8" Surface |
| Country | United States | Job Date | 11-09-2012 |



| | | | | | Customer Encana | | Job Number C610-00873 | | | |
|---|-------------------------------------|--|-------------------------------------|-------------------------------------|------------------------|---------------------------|--------------------------------|---------------------------|-----------------------|----------------------------|
| Well Benzel Fee 25-3D | | | Location (legal) | | Schlumberger Location | | | Job Start Nov/09/2012 | | |
| Field Mamm Creek | | Formation Name/Type Shale | | Deviation deg | Bit Size 12.3 in | | Well MD 1523.0 ft | | Well TVD 1523.0 ft | |
| County Garfield | | State/Province Colorado | | BHP psi | BHST 100 degF | BHCT 85 degF | Pore Press. Gradient lb/gal | | | |
| Well Master 0631296758 | | API/UWI | | | | | | | | |
| Rig Name Patterson 308 | Drilled For Gas | | Service Via Land | | Casing/Liner | | | | | |
| | | | | | Depth, ft | Size, in | Weight, lb/ft | Grade | Thread | |
| Offshore Zone | Well Class New | | Well Type Development | | 1523.0 | 9.6 | 36.0 | K55 | 8RD | |
| | | | | | 0.0 | 0.0 | 0.0 | | | |
| Drilling Fluid Type Bentonite | | Max. Density 9.60 lb/gal | Plastic Viscosity 0.000 cP | | Tubing/Drill Pipe | | | | | |
| | | | | | T/D | Depth, ft | Size, in | Weight, lb/ft | Grade | Thread |
| Service Line Cementing | Job Type 9 5/8" Surface | | | | | | | | | |
| | | | | | | | | | | |
| Max. Allowed Tub. Press 3520 psi | Max. Allowed Ann. Press 2030 psi | | WH Connection Single Cement head | | Perforations/Open Hole | | | | | |
| | | | | | Top, ft | Bottom, ft | shot/ft | No. of Shots | Total Interval ft | |
| Service Instructions 391sks/147bbl 12.5 lead Y=2.11 149sks/31bbl 15.8 tail Y=1.18 | | | | ft | ft | | | | | |
| | | | | ft | ft | | | Diameter in | | |
| | | | | ft | ft | | | | | |
| | | | | Treat Down Casing | | Displacement 114.0 bbl | | Packer Type | | Packer Depth ft |
| | | | | Tubing Vol. bbl | | Casing Vol. 118.0 bbl | | Annular Vol. 102.0 bbl | | Openhole Vol. 222.0 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 754 psi | | | | Shoe Type Guide | | | Squeeze Type | | | |
| Pipe Rotated <input type="checkbox"/> | | Pipe Reciprocated <input type="checkbox"/> | | Shoe Depth 1523.0 ft | | | Tool Type | | | |
| No. Centralizers | | Top Plugs 1 | Bottom Plugs 0 | Stage Tool Type | | | Tool Depth ft | | | |
| Cement Head Type Single | | | | Stage Tool Depth ft | | | Tail Pipe Size in | | | |
| Job Scheduled For Nov/09/2012 20:00 | | Arrived on Location Nov/09/2012 20:00 | | Leave Location Nov/10/2012 01:00 | | Collar Type Float | | Tail Pipe Depth ft | | |
| | | | | | | Collar Depth 1479.0 ft | | Sqz. Total Vol. bbl | | |
| Date | Time 24-hr clock | CPF1_DENSITY LB/G | CPF1_PRESS PSI | CPF1_TTL_RATE B/M | CPF1_TTL_STAGE BBL | CPF1_TTL_VOLUME BBL | Message | | | |
| 11/09/2012 | 22:28:51 | 8.18 | 4 | 0.0 | 0.6 | 0.6 | Started Acquisition | | | |
| 11/09/2012 | 22:28:55 | 8.32 | 5 | 0.0 | 0.6 | 0.6 | Start Job | | | |
| 11/09/2012 | 22:31:21 | 8.26 | 3 | 0.0 | 0.6 | 0.6 | | | | |
| 11/09/2012 | 22:33:51 | 8.39 | 567 | 0.3 | 2.4 | 2.4 | | | | |
| 11/09/2012 | 22:36:21 | 8.39 | 3140 | 0.2 | 3.0 | 3.0 | | | | |
| 11/09/2012 | 22:38:51 | 8.39 | 56 | 1.9 | 3.5 | 3.5 | | | | |
| 11/09/2012 | 22:41:21 | 8.39 | 17 | 0.0 | 4.4 | 4.4 | | | | |
| 11/09/2012 | 22:43:51 | 8.39 | 16 | 0.0 | 4.4 | 4.4 | | | | |
| 11/09/2012 | 22:46:21 | 8.39 | 73 | 2.0 | 5.5 | 5.5 | | | | |
| 11/09/2012 | 22:48:51 | 8.39 | 5 | 0.0 | 6.2 | 6.2 | | | | |
| 11/09/2012 | 22:51:21 | 8.39 | 5 | 0.0 | 6.2 | 6.2 | | | | |
| 11/09/2012 | 22:52:53 | 8.39 | 5 | 0.0 | 6.2 | 6.2 | Pressure Test Lines | | | |
| 11/09/2012 | 22:52:54 | 8.39 | 4 | 0.0 | 6.2 | 6.2 | Low PSI test good | | | |
| 11/09/2012 | 22:53:51 | 8.39 | 58 | 2.1 | 7.8 | 7.8 | | | | |
| 11/09/2012 | 22:54:55 | 8.39 | 19 | 0.0 | 8.3 | 8.3 | Pressure Test Lines | | | |
| 11/09/2012 | 22:54:56 | 8.39 | 19 | 0.0 | 8.3 | 8.3 | High PSI test good | | | |
| 11/09/2012 | 22:56:21 | 8.39 | 17 | 0.0 | 8.3 | 8.3 | | | | |
| 11/09/2012 | 22:58:51 | 8.39 | 82 | 2.0 | 8.9 | 8.9 | | | | |
| 11/09/2012 | 22:59:24 | 8.39 | 60 | 2.1 | 10.0 | 10.0 | Start Pumping Spacer | | | |
| 11/09/2012 | 22:59:25 | 8.39 | 60 | 2.1 | 10.1 | 10.1 | 20 bbl H2O | | | |
| 11/09/2012 | 23:01:21 | 8.39 | 71 | 2.5 | 14.5 | 14.5 | | | | |

| Well Benzel Fee 25-3D | | | Field Mamm Creek | | Job Start Nov/09/2012 | | Customer Encana | Job Number C610-00873 |
|--------------------------|------------------------|----------------------|---------------------|----------------------|--------------------------|------------------------|------------------------------|--------------------------|
| Date | Time 24-hr clock | CPF1_DENSITY LB/G | CPF1_PRESS PSI | CPF1_TTL_RATE B/M | CPF1_TTL_STAGE BBL | CPF1_TTL_VOLUME BBL | Message | |
| 11/09/2012 | 23:03:42 | 8.39 | 52 | 1.5 | 20.2 | 20.2 | End Spacer | |
| 11/09/2012 | 23:03:44 | 8.39 | 53 | 1.5 | 20.2 | 20.2 | Start Cement Slurry | |
| 11/09/2012 | 23:03:45 | 8.39 | 54 | 1.5 | 20.3 | 20.3 | Bring to weight | |
| 11/09/2012 | 23:03:51 | 8.39 | 67 | 1.8 | 20.4 | 20.4 | | |
| 11/09/2012 | 23:04:21 | 12.51 | 67 | 1.6 | 21.4 | 21.4 | End Scavenger Slurry | |
| 11/09/2012 | 23:04:22 | 12.51 | 68 | 1.6 | 21.4 | 21.4 | Start Mixing Lead Slurry | |
| 11/09/2012 | 23:04:23 | 12.51 | 68 | 1.6 | 21.4 | 21.4 | 147 bbl 12.5 lead | |
| 11/09/2012 | 23:05:00 | 12.57 | 207 | 4.6 | 1.6 | 1.6 | Good returns | |
| 11/09/2012 | 23:06:21 | 12.59 | 270 | 6.0 | 9.2 | 9.2 | | |
| 11/09/2012 | 23:08:25 | 12.58 | 237 | 6.0 | 21.6 | 21.6 | Took wet/dry samples | |
| 11/09/2012 | 23:08:51 | 12.58 | 252 | 6.0 | 24.2 | 24.2 | | |
| 11/09/2012 | 23:11:21 | 12.59 | 258 | 6.0 | 39.3 | 39.3 | | |
| 11/09/2012 | 23:13:51 | 12.58 | 246 | 6.0 | 54.3 | 54.3 | | |
| 11/09/2012 | 23:16:21 | 12.57 | 251 | 6.0 | 69.4 | 69.4 | | |
| 11/09/2012 | 23:18:51 | 12.58 | 283 | 6.0 | 84.5 | 84.5 | | |
| 11/09/2012 | 23:21:21 | 12.59 | 277 | 6.0 | 99.5 | 99.5 | | |
| 11/09/2012 | 23:23:51 | 12.61 | 242 | 6.0 | 114.6 | 114.6 | | |
| 11/09/2012 | 23:26:21 | 12.61 | 257 | 6.0 | 129.7 | 129.7 | | |
| 11/09/2012 | 23:27:14 | 12.59 | 278 | 6.0 | 135.0 | 135.0 | End Lead Slurry | |
| 11/09/2012 | 23:28:51 | 12.53 | 251 | 6.0 | 144.7 | 144.7 | | |
| 11/09/2012 | 23:30:24 | 16.08 | 89 | 2.9 | 0.5 | 146.5 | Start Mixing Scav Slurry | |
| 11/09/2012 | 23:30:25 | 16.18 | 89 | 2.9 | 0.5 | 146.5 | Bring to weight | |
| 11/09/2012 | 23:31:21 | 15.63 | 96 | 2.4 | 2.6 | 148.6 | | |
| 11/09/2012 | 23:31:56 | 15.68 | 92 | 2.5 | 4.0 | 150.0 | End Scavenger Slurry | |
| 11/09/2012 | 23:31:57 | 15.68 | 94 | 2.5 | 4.1 | 150.1 | Start Mixing Tail Slurry | |
| 11/09/2012 | 23:31:58 | 15.68 | 94 | 2.5 | 4.1 | 150.1 | 31 bbl 15.8 tail | |
| 11/09/2012 | 23:32:09 | 15.72 | 93 | 2.5 | 4.6 | 150.6 | Good returns | |
| 11/09/2012 | 23:32:19 | 15.74 | 95 | 2.5 | 5.0 | 151.0 | Took wet/dry samples | |
| 11/09/2012 | 23:32:21 | 15.74 | 95 | 2.5 | 5.1 | 151.1 | Wet sample=15.8 on mudscales | |
| 11/09/2012 | 23:33:51 | 15.88 | 222 | 4.6 | 9.3 | 155.3 | | |
| 11/09/2012 | 23:36:21 | 15.89 | 267 | 4.9 | 21.3 | 167.3 | | |
| 11/09/2012 | 23:38:49 | 16.03 | 47 | 4.1 | 33.3 | 179.3 | End Tail Slurry | |
| 11/09/2012 | 23:38:50 | 16.03 | 32 | 4.1 | 33.4 | 179.4 | End Cement Slurry | |
| 11/09/2012 | 23:38:51 | 16.63 | 72 | 3.0 | 33.4 | 179.4 | | |
| 11/09/2012 | 23:41:21 | 15.81 | 21 | 0.0 | 33.7 | 179.7 | | |
| 11/09/2012 | 23:43:51 | 8.84 | 124 | 4.7 | 5.3 | 185.0 | | |
| 11/09/2012 | 23:44:11 | 8.81 | 125 | 4.7 | 6.9 | 186.6 | Drop Top Plug | |
| 11/09/2012 | 23:44:12 | 8.81 | 120 | 4.7 | 7.0 | 186.7 | Displace 114 bbl H2O | |
| 11/09/2012 | 23:46:21 | 8.53 | 115 | 4.8 | 17.3 | 197.0 | | |
| 11/09/2012 | 23:48:51 | 8.38 | 227 | 6.3 | 32.7 | 212.4 | | |
| 11/09/2012 | 23:49:34 | 8.38 | 216 | 6.4 | 37.2 | 216.9 | Good returns | |
| 11/09/2012 | 23:49:40 | 8.38 | 231 | 6.4 | 37.9 | 217.5 | 75 bbl cement to surface | |
| 11/09/2012 | 23:51:21 | 8.38 | 276 | 6.4 | 48.6 | 228.2 | | |
| 11/09/2012 | 23:53:51 | 8.38 | 291 | 6.4 | 64.5 | 244.2 | | |
| 11/09/2012 | 23:56:21 | 8.38 | 385 | 6.4 | 80.5 | 260.1 | | |
| 11/09/2012 | 23:58:51 | 8.38 | 439 | 6.3 | 96.3 | 276.0 | | |
| 11/10/2012 | 00:01:21 | 8.38 | 451 | 4.2 | 108.1 | 287.8 | | |
| 11/10/2012 | 00:03:51 | 8.38 | 404 | 2.2 | 114.8 | 294.4 | | |
| 11/10/2012 | 00:06:21 | 8.38 | 541 | 2.2 | 120.3 | 300.0 | | |
| 11/10/2012 | 00:06:34 | 8.38 | 1198 | 1.2 | 120.8 | 300.5 | Bump Top Plug | |
| 11/10/2012 | 00:06:35 | 8.38 | 1212 | 0.6 | 120.8 | 300.5 | End Displacement | |
| 11/10/2012 | 00:06:37 | 8.38 | 1214 | 0.3 | 120.8 | 300.5 | Bumped plug @ 1200 PSI | |
| 11/10/2012 | 00:08:51 | 8.38 | 1202 | 0.0 | 120.8 | 300.5 | | |
| 11/10/2012 | 00:10:39 | 8.38 | 15 | 0.0 | 120.8 | 300.5 | Float held | |

| | | | | | | | | | |
|--------------------------|------------------------|----------------------|---------------------|----------------------|--------------------------|------------------------|--------------------|--|--------------------------|
| Well Benzel Fee 25-3D | | | Field Mamm Creek | | Job Start Nov/09/2012 | | Customer Encana | | Job Number C610-00873 |
| Date | Time 24-hr clock | CPF1_DENSITY LB/G | CPF1_PRESS PSI | CPF1_TTL_RATE B/M | CPF1_TTL_STAGE BBL | CPF1_TTL_VOLUME BBL | Message | | |
| 11/10/2012 | 00:13:51 | 8.38 | 14 | 0.0 | 120.8 | 300.5 | | | |
| 11/10/2012 | 00:14:04 | 8.38 | 14 | 0.0 | 120.8 | 300.5 | 1 bbl back | | |

Post Job Summary

| Average Pump Rates, bbl/min | | | | | Volume of Fluid Injected, bbl | | | |
|--|-------------|-------------------------------------|---|---------------------------|--|--|--------------------|--|
| Slurry 4.4 | N2 | Mud | Maximum Rate 6.4 | | Total Slurry 178.0 | Mud 0.0 | Spacer 20.2 | N2 |
| Treating Pressure Summary, psi | | | | | Breakdown Fluid | | | |
| Maximum 3288 | Final 14 | Average 245 | Bump Plug to 1200 | Breakdown | Type | Volume bbl | | Density lb/gal |
| Avg. N2 Percent % | | Designed Slurry Volume 178.0 bbl | Displacement 113.8 bbl | Mix Water Temp 54 degF | Cement Circulated to Surface? <input checked="" type="checkbox"/> | | Volume 75.0 bbl | |
| | | | | | Washed Thru Perfs <input type="checkbox"/> | | To ft | |
| Customer or Authorized Representative Vlad Kochetov | | | Schlumberger Supervisor Matt Fair/Mike Reedy | | | Circulation Lost <input type="checkbox"/> | | Job Completed <input checked="" type="checkbox"/> |
| | | | | | | - | | - |



Service Quality Evaluation

| | |
|---------------|------------------|
| Client: | Encana |
| Field: | Mamm Creek |
| Rig: | Patterson 308 |
| Well: | Benzel Fee 25-3D |
| Service Line: | Cementing |
| Job Type: | 9 5/8" Surface |

| | |
|-------------------------|----------------------|
| Service Order #: | |
| Date: | Nov/09/2012 |
| Operating Time (hh:mm): | 00:00 |
| Client Rep: | Vlad Kochetov |
| Schlumberger Engineer: | Matt Fair/Mike Reedy |
| Schlumberger FSM: | |

Main Objective:

To be completed by Company Rep. Please answer Y (Yes) or N (No) and add any comments below.

| | | Score | Yes / No | | Result |
|-----------|--|-------|---|-----------------------------|--------|
| 1 | HSE | | | | |
| 1a | Free of lost time injury and compliance with SLB and loc. spec. HSE practice | 5 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 5 |
| 1b | Free of environmental spill or non-compliant discharge | 5 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 5 |
| 1c | Wellsite left clean | 4 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 4 |
| Sub-total | | | | | 100% |

| | | | | | |
|-----------|--|---|---|-----------------------------|------|
| 2 | Design / Preparation | | | | |
| 2a | Program incl. job simulation (CemCADE) & pump schedule / tool hydraulic calcs | 3 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 3 |
| 2b | Equipment maintenance schedule completed / Green tagged | 2 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 2 |
| 2c | All materials and equipment required for job/contingency checked & on location | 2 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 2 |
| 2d | Safety / pre-job meeting conducted with all involved present | 2 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 2 |
| Sub-total | | | | | 100% |

| | | | | | |
|-----------|--|---|---|-----------------------------|------|
| 3 | Execution | | | | |
| 3a | Lost time < 30 mins | 3 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 3 |
| 3b | Equipment pressure tested succesfully | 3 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 3 |
| 3c | All key parameters monitored and recorded accurately (Pressure, Rate, Density) | 2 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 2 |
| 3d | Plugs / darts released and tested succesfully | 2 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 2 |
| 3e | Density variation met expectations | 2 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 2 |
| 3f | Personnel performed as per expectations | 2 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 2 |
| 3g | Equipment performed as per expectations | 2 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 2 |
| 3h | Job pumped as per design | 3 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 3 |
| 3i | Did job start on time | 2 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 2 |
| 3j | Free of Operational failures (screen out, Cementing Example, etc.) | 3 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 3 |
| Sub-total | | | | | 100% |

| | | | | | |
|-----------|---|----|---|-----------------------------|------|
| 4 | Evaluation | | | | |
| 4a | Main job objective achieved with no consequential non-productive time | 10 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 10 |
| Sub-total | | | | | 100% |

Total 100%

Comments: (Please include a brief explanation for a "NO" response and summarize any innovations attempted on this well.)

| | |
|-------------------|--|
| Client: | Schlumberger: |
| | Water - 009817 Lead - 009828 Tail - 010289 |
| Client Signature: | Schlumberger Signature: |