

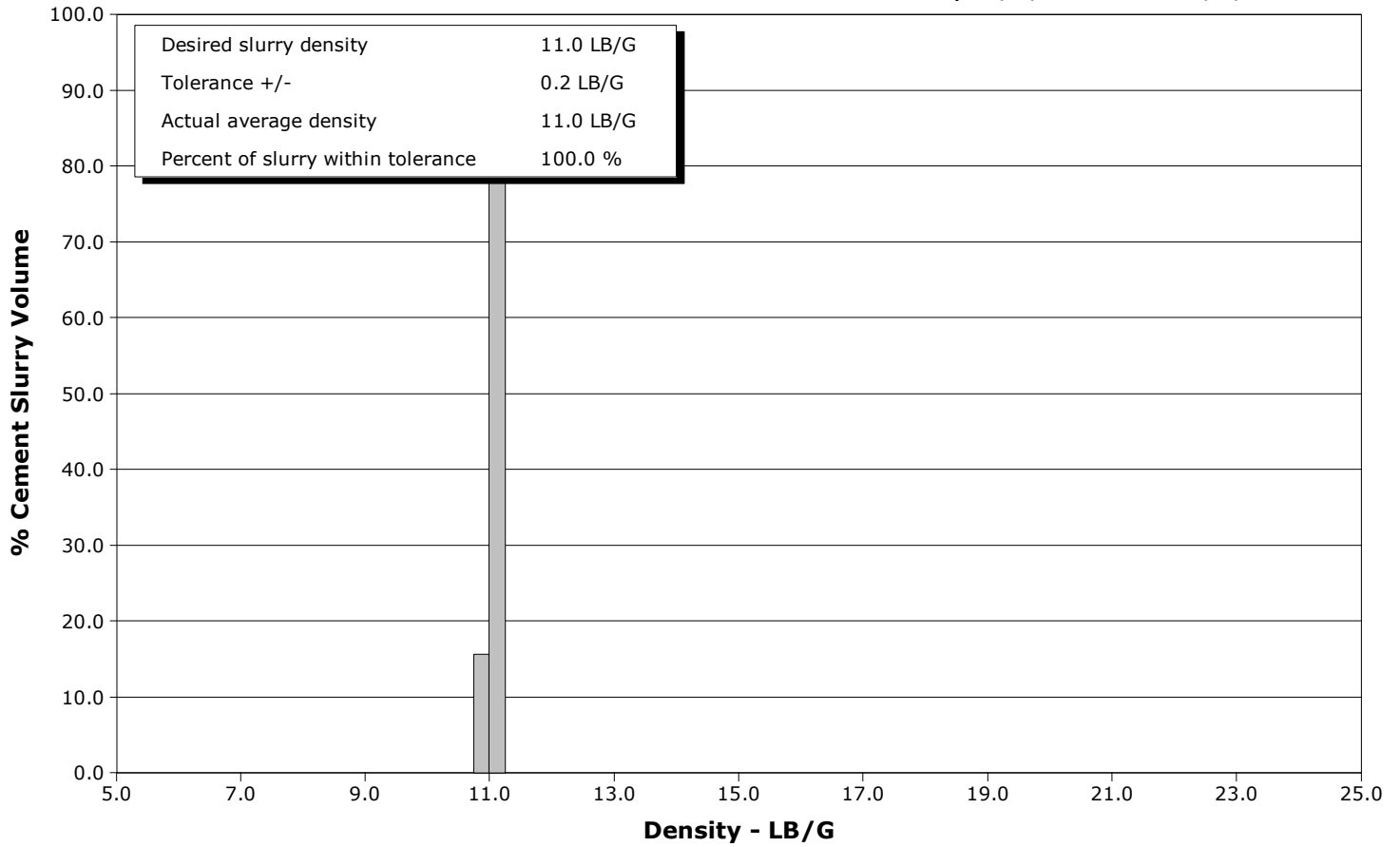


# Schlumberger Cementing Qa/Qc Density Report

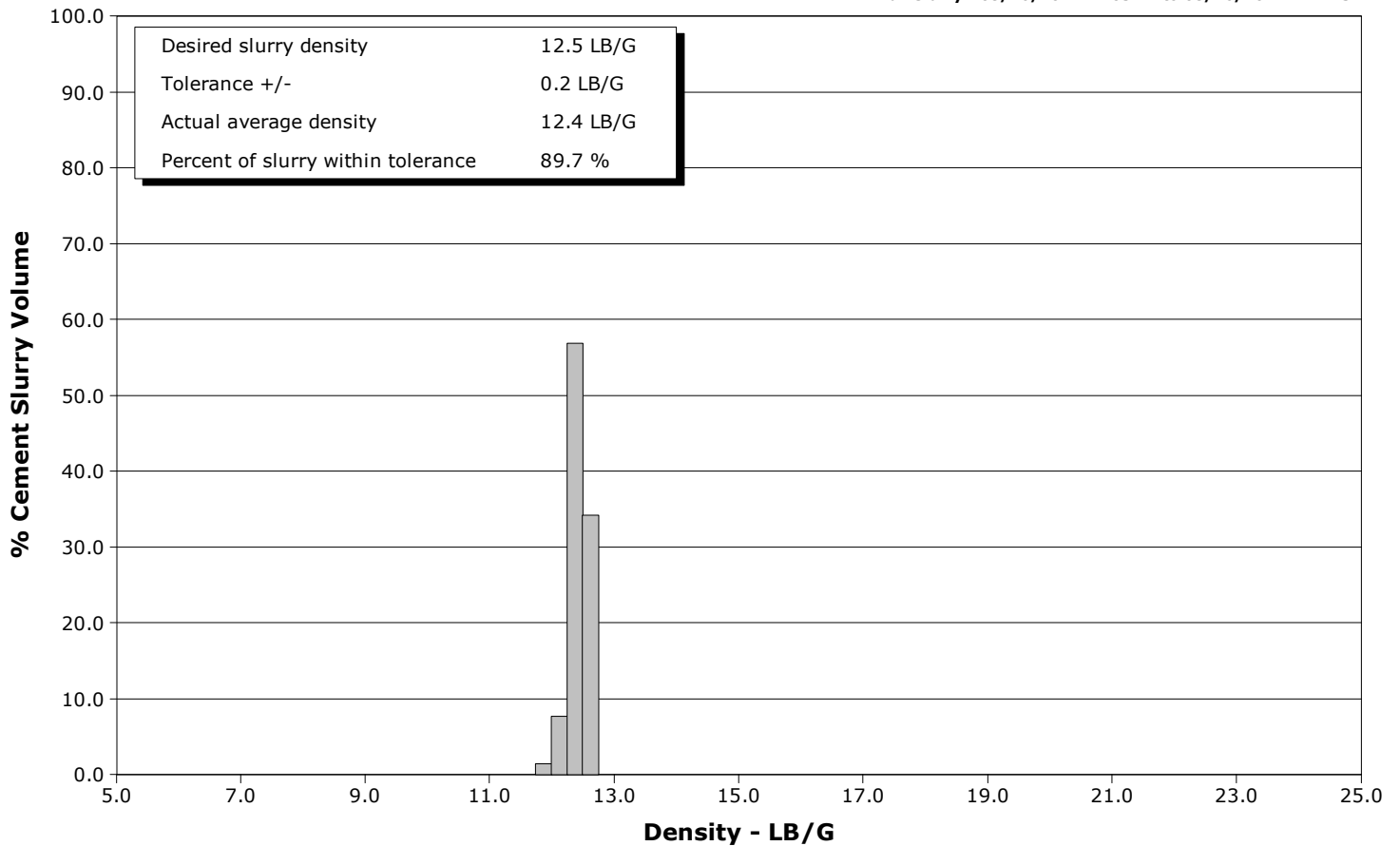
**Well** SG 8504D-36  
**Field** Story Gulch  
**Engineer** Jordan Moreland  
**Country** United States

**Client** Encana  
**SIR No.**  
**Job Type** 9 5/8 Surface  
**Job Date** 08-16-2012

**Lead Slurry - 08/16/2012 19:57:43 to 08/16/2012 21:00:20**



**Tail Slurry - 08/16/2012 21:03:21 to 08/16/2012 21:11:37**



|                           |                                 |
|---------------------------|---------------------------------|
| <b>Customer</b><br>Encana | <b>Job Number</b><br>C610-00554 |
|---------------------------|---------------------------------|

|                            |                                |                                     |                                 |
|----------------------------|--------------------------------|-------------------------------------|---------------------------------|
| <b>Well</b><br>SG 8504D-36 | <b>Location (legal)</b><br>D36 | <b>Schlumberger Location</b><br>GCO | <b>Job Start</b><br>Aug/16/2012 |
|----------------------------|--------------------------------|-------------------------------------|---------------------------------|

|                             |                            |                  |                            |                |                 |
|-----------------------------|----------------------------|------------------|----------------------------|----------------|-----------------|
| <b>Field</b><br>Story Gulch | <b>Formation Name/Type</b> | <b>Deviation</b> | <b>Bit Size</b><br>14.8 in | <b>Well MD</b> | <b>Well TVD</b> |
|-----------------------------|----------------------------|------------------|----------------------------|----------------|-----------------|

|                           |                                   |            |                         |                        |                             |
|---------------------------|-----------------------------------|------------|-------------------------|------------------------|-----------------------------|
| <b>County</b><br>Garfield | <b>State/Province</b><br>Colorado | <b>BHP</b> | <b>BHST</b><br>120 degF | <b>BHCT</b><br>95 degF | <b>Pore Press. Gradient</b> |
|---------------------------|-----------------------------------|------------|-------------------------|------------------------|-----------------------------|

|                    |                |                     |  |  |  |
|--------------------|----------------|---------------------|--|--|--|
| <b>Well Master</b> | <b>API/UWI</b> | <b>Casing/Liner</b> |  |  |  |
|--------------------|----------------|---------------------|--|--|--|

|                                  |                           |                            |                  |                 |                      |              |               |
|----------------------------------|---------------------------|----------------------------|------------------|-----------------|----------------------|--------------|---------------|
| <b>Rig Name</b><br>Patterson 306 | <b>Drilled For</b><br>Gas | <b>Service Via</b><br>Land | <b>Depth, ft</b> | <b>Size, in</b> | <b>Weight, lb/ft</b> | <b>Grade</b> | <b>Thread</b> |
|----------------------------------|---------------------------|----------------------------|------------------|-----------------|----------------------|--------------|---------------|

|                      |                          |                                 |       |        |      |  |  |
|----------------------|--------------------------|---------------------------------|-------|--------|------|--|--|
| <b>Offshore Zone</b> | <b>Well Class</b><br>New | <b>Well Type</b><br>Development | 120.0 | 20.000 | 94.0 |  |  |
|----------------------|--------------------------|---------------------------------|-------|--------|------|--|--|

|                            |                     |                          |                          |  |  |  |  |
|----------------------------|---------------------|--------------------------|--------------------------|--|--|--|--|
| <b>Drilling Fluid Type</b> | <b>Max. Density</b> | <b>Plastic Viscosity</b> | <b>Tubing/Drill Pipe</b> |  |  |  |  |
|----------------------------|---------------------|--------------------------|--------------------------|--|--|--|--|

|                                  |                                  |                               |  |  |  |  |
|----------------------------------|----------------------------------|-------------------------------|--|--|--|--|
| <b>Service Line</b><br>Cementing | <b>Job Type</b><br>9 5/8 Surface | <b>Perforations/Open Hole</b> |  |  |  |  |
|----------------------------------|----------------------------------|-------------------------------|--|--|--|--|

|  |                                |  |             |                |                     |                       |
|--|--------------------------------|--|-------------|----------------|---------------------|-----------------------|
| <b>Max. Allowed Tub. Press</b><br>3000 psi | <b>Max. Allowed Ann. Press</b> | <b>WH Connection</b><br>Single Cement head | <b>Top,</b> | <b>Bottom,</b> | <b>No. of Shots</b> | <b>Total Interval</b> |
|--|--------------------------------|--|-------------|----------------|---------------------|-----------------------|

|   |  |  |  |  |  |  |  |  |  |  |  |                 |
|---|--|--|--|--|--|--|--|--|--|--|--|-----------------|
| <b>Service Instructions</b><br>Rate And Density Checked<br>80 bbl PressureNET<br>10 bbl Water<br>20 bbl S001<br>10 bbl Water<br>30 bbl ZoneLOK<br>10 bbl Water<br>80 bbl PressureNET<br>10 bbl Water<br>20 bbl S001<br>10 bbl Water |  |  |  |  |  |  |  |  |  |  |  | <b>Diameter</b> |
|---|--|--|--|--|--|--|--|--|--|--|--|-----------------|

|  |  |                     |  |  |                    |  |  |
|--|--|---------------------|--|--|--------------------|--|--|
| <b>Casing/Tubing Secured</b> <input checked="" type="checkbox"/> | <b>1 Hole Vol. Circulated prior to Cement</b> <input type="checkbox"/> | <b>Casing Tools</b> |  |  | <b>Squeeze Job</b> |  |  |
|--|--|---------------------|--|--|--------------------|--|--|

|                                  |                           |                     |  |  |
|----------------------------------|---------------------------|---------------------|--|--|
| <b>Lift Pressure</b><br>1494 psi | <b>Shoe Type</b><br>Guide | <b>Squeeze Type</b> |  |  |
|----------------------------------|---------------------------|---------------------|--|--|

|  |   |                                |                  |  |  |  |  |
|--|---|--------------------------------|------------------|--|--|--|--|
| <b>Pipe Rotated</b> <input type="checkbox"/> | <b>Pipe Reciprocated</b> <input type="checkbox"/> | <b>Shoe Depth</b><br>3020.0 ft | <b>Tool Type</b> |  |  |  |  |
|--|---|--------------------------------|------------------|--|--|--|--|

|                         |                       |                     |                        |  |  |                   |  |
|-------------------------|-----------------------|---------------------|------------------------|--|--|-------------------|--|
| <b>No. Centralizers</b> | <b>Top Plugs</b><br>1 | <b>Bottom Plugs</b> | <b>Stage Tool Type</b> |  |  | <b>Tool Depth</b> |  |
|-------------------------|-----------------------|---------------------|------------------------|--|--|-------------------|--|

|                                   |  |  |                         |  |  |                       |  |
|-----------------------------------|--|--|-------------------------|--|--|-----------------------|--|
| <b>Cement Head Type</b><br>Single |  |  | <b>Stage Tool Depth</b> |  |  | <b>Tail Pipe Size</b> |  |
|-----------------------------------|--|--|-------------------------|--|--|-----------------------|--|

|   |   |                                      |                             |  |  |                        |  |
|---|---|--------------------------------------|-----------------------------|--|--|------------------------|--|
| <b>Job Scheduled For</b><br>Aug/16/2012 | <b>Arrived on Location</b><br>Aug/16/2012 | <b>Leave Location</b><br>Aug/16/2012 | <b>Collar Type</b><br>Float |  |  | <b>Tail Pipe Depth</b> |  |
|---|---|--------------------------------------|-----------------------------|--|--|------------------------|--|

|  |  |  |                                  |  |  |                        |  |
|--|--|--|----------------------------------|--|--|------------------------|--|
|  |  |  | <b>Collar Depth</b><br>2974.0 ft |  |  | <b>Sqz. Total Vol.</b> |  |
|--|--|--|----------------------------------|--|--|------------------------|--|

| Date       | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message              |
|------------|------------------|-----------------------|---------------|--------------|------------|----------------------|
| 08/16/2012 | 16:52:07         |                       |               |              |            | Started Acquisition  |
| 08/16/2012 | 18:12:19         |                       |               |              |            | 80 bbl PressureNET   |
| 08/16/2012 | 18:12:19         |                       |               |              |            | 10 bbl Water         |
| 08/16/2012 | 18:12:19         | 3                     | 0.0           | 8.49         | 0.0        |                      |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 20 bbl S001          |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 10 bbl Water         |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 30 bbl ZoneLOK       |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 10 bbl Water         |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 80 bbl PressureNET   |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 10 bbl Water         |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 20 bbl S001          |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 10 bbl Water         |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 30 bbl ZoneLOK       |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 10 bbl Water         |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 50 bbl MudPush       |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 909 sks 11.0 LiteFil |
| 08/16/2012 | 18:12:20         |                       |               |              |            | 293 sks 12.5 LiteFil |
| 08/16/2012 | 18:12:20         |                       |               |              |            | Displace Fresh Water |
| 08/16/2012 | 18:12:20         | 3                     | 0.0           | 8.49         | 0.0        |                      |
| 08/16/2012 | 18:12:24         |                       |               |              |            | Start Job            |
| 08/16/2012 | 18:12:24         | 3                     | 0.0           | 8.49         | 0.0        |                      |

| Well        |                  |                       | Field         |              | Job Start   | Customer           | Job Number |
|-------------|------------------|-----------------------|---------------|--------------|-------------|--------------------|------------|
| SG 8504D-36 |                  |                       | Story Gulch   |              | Aug/16/2012 | Encana             | C610-00554 |
| Date        | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL  | Message            |            |
| 08/16/2012  | 18:12:28         | 3                     | 0.0           | 8.49         | 0.0         |                    |            |
| 08/16/2012  | 18:12:29         |                       |               |              |             | Low Test 500 psi   |            |
| 08/16/2012  | 18:12:29         |                       |               |              |             | Test Good          |            |
| 08/16/2012  | 18:12:29         |                       |               |              |             | High Test 3000 psi |            |
| 08/16/2012  | 18:12:29         |                       |               |              |             | Test Good          |            |
| 08/16/2012  | 18:12:29         | 3                     | 0.0           | 8.49         | 0.0         |                    |            |
| 08/16/2012  | 18:14:07         | -1                    | 0.0           | 8.49         | 0.0         |                    |            |
| 08/16/2012  | 18:16:07         | 9                     | 0.0           | 8.48         | 1.7         |                    |            |
| 08/16/2012  | 18:18:07         | 8                     | 0.0           | 8.48         | 3.3         |                    |            |
| 08/16/2012  | 18:20:07         | 337                   | 0.0           | 8.48         | 3.3         |                    |            |
| 08/16/2012  | 18:22:07         | 3360                  | 0.0           | 8.48         | 3.3         |                    |            |
| 08/16/2012  | 18:24:07         | 13                    | 0.0           | 8.48         | 3.3         |                    |            |
| 08/16/2012  | 18:25:24         |                       |               |              |             | 80 bbl PressureNET |            |
| 08/16/2012  | 18:25:24         | 47                    | 1.9           | 8.48         | 4.4         |                    |            |
| 08/16/2012  | 18:26:07         | 273                   | 6.2           | 8.48         | 7.9         |                    |            |
| 08/16/2012  | 18:28:07         | 136                   | 6.2           | 8.54         | 20.0        |                    |            |
| 08/16/2012  | 18:30:07         | 25                    | 5.0           | 8.57         | 32.4        |                    |            |
| 08/16/2012  | 18:32:07         | 6                     | 3.4           | 8.60         | 39.3        |                    |            |
| 08/16/2012  | 18:34:07         | 59                    | 3.4           | 9.00         | 46.1        |                    |            |
| 08/16/2012  | 18:36:07         | 61                    | 6.4           | 8.58         | 58.4        |                    |            |
| 08/16/2012  | 18:38:07         | 68                    | 6.4           | 8.56         | 71.0        |                    |            |
| 08/16/2012  | 18:40:07         | 70                    | 6.4           | 8.53         | 83.6        |                    |            |
| 08/16/2012  | 18:42:07         | 67                    | 6.4           | 8.52         | 96.2        |                    |            |
| 08/16/2012  | 18:44:07         | 68                    | 6.4           | 8.52         | 108.8       |                    |            |
| 08/16/2012  | 18:46:07         | 66                    | 6.4           | 8.52         | 121.4       |                    |            |
| 08/16/2012  | 18:48:07         | 67                    | 6.2           | 8.52         | 134.0       |                    |            |
| 08/16/2012  | 18:50:07         | 68                    | 6.4           | 8.51         | 146.6       |                    |            |
| 08/16/2012  | 18:51:42         |                       |               |              |             | 10 bbl Water       |            |
| 08/16/2012  | 18:51:42         | 53                    | 2.5           | 8.56         | 156.1       |                    |            |
| 08/16/2012  | 18:52:07         | 49                    | 4.1           | 8.43         | 157.7       |                    |            |
| 08/16/2012  | 18:54:07         | 64                    | 4.2           | 8.48         | 165.5       |                    |            |
| 08/16/2012  | 18:54:59         |                       |               |              |             | 20 bbl S001        |            |
| 08/16/2012  | 18:54:59         | 90                    | 4.3           | 8.48         | 169.1       |                    |            |
| 08/16/2012  | 18:56:07         | 124                   | 4.8           | 9.42         | 174.4       |                    |            |
| 08/16/2012  | 18:58:07         | 154                   | 6.8           | 8.58         | 184.4       |                    |            |
| 08/16/2012  | 18:58:37         |                       |               |              |             | 10 bbl Water       |            |
| 08/16/2012  | 18:58:37         | 221                   | 6.7           | 8.49         | 187.8       |                    |            |
| 08/16/2012  | 19:00:07         | 144                   | 5.7           | 8.47         | 196.9       |                    |            |
| 08/16/2012  | 19:01:11         |                       |               |              |             | 30 bbl ZoneLOK     |            |
| 08/16/2012  | 19:01:11         | 99                    | 5.7           | 9.17         | 202.6       |                    |            |
| 08/16/2012  | 19:02:07         | 108                   | 5.3           | 9.89         | 207.5       |                    |            |
| 08/16/2012  | 19:04:07         | 136                   | 5.3           | 9.90         | 218.1       |                    |            |
| 08/16/2012  | 19:06:07         | 127                   | 5.3           | 9.90         | 228.6       |                    |            |
| 08/16/2012  | 19:06:36         |                       |               |              |             | 10 bbl Water       |            |
| 08/16/2012  | 19:06:36         | 115                   | 5.3           | 9.90         | 231.1       |                    |            |
| 08/16/2012  | 19:08:07         | 136                   | 6.5           | 8.48         | 239.5       |                    |            |
| 08/16/2012  | 19:08:50         |                       |               |              |             | 80 bbl PressureNET |            |
| 08/16/2012  | 19:08:50         | 92                    | 6.2           | 8.48         | 243.7       |                    |            |
| 08/16/2012  | 19:10:07         | 153                   | 6.4           | 8.48         | 251.8       |                    |            |
| 08/16/2012  | 19:12:07         | 141                   | 6.4           | 8.48         | 264.4       |                    |            |
| 08/16/2012  | 19:14:07         | 87                    | 6.5           | 8.48         | 277.0       |                    |            |
| 08/16/2012  | 19:16:07         | 161                   | 6.4           | 8.48         | 289.7       |                    |            |
| 08/16/2012  | 19:18:07         | 157                   | 6.4           | 8.48         | 302.3       |                    |            |
| 08/16/2012  | 19:20:07         | 155                   | 6.2           | 8.48         | 314.9       |                    |            |

| Well        |                  |                       | Field         |              | Job Start   | Customer                 | Job Number |
|-------------|------------------|-----------------------|---------------|--------------|-------------|--------------------------|------------|
| SG 8504D-36 |                  |                       | Story Gulch   |              | Aug/16/2012 | Encana                   | C610-00554 |
| Date        | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL  | Message                  |            |
| 08/16/2012  | 19:24:07         | 104                   | 6.2           | 8.48         | 340.1       |                          |            |
| 08/16/2012  | 19:25:20         |                       |               |              |             | 10 bbl Water             |            |
| 08/16/2012  | 19:25:20         | 163                   | 6.4           | 9.26         | 347.8       |                          |            |
| 08/16/2012  | 19:25:28         |                       |               |              |             | 20 bbl S001              |            |
| 08/16/2012  | 19:25:28         | 169                   | 6.4           | 9.26         | 348.6       |                          |            |
| 08/16/2012  | 19:26:07         | 169                   | 6.4           | 8.95         | 352.7       |                          |            |
| 08/16/2012  | 19:28:02         |                       |               |              |             | 10 bbl Water             |            |
| 08/16/2012  | 19:28:02         | 172                   | 6.2           | 8.48         | 364.8       |                          |            |
| 08/16/2012  | 19:28:07         | 175                   | 6.4           | 8.48         | 365.3       |                          |            |
| 08/16/2012  | 19:30:00         |                       |               |              |             | 30 bbl ZoneLOK           |            |
| 08/16/2012  | 19:30:00         | 246                   | 6.4           | 9.88         | 377.0       |                          |            |
| 08/16/2012  | 19:30:07         | 235                   | 6.4           | 9.88         | 377.8       |                          |            |
| 08/16/2012  | 19:32:07         | 238                   | 6.4           | 9.90         | 390.4       |                          |            |
| 08/16/2012  | 19:34:07         | 219                   | 6.4           | 9.90         | 403.2       |                          |            |
| 08/16/2012  | 19:36:07         | 88                    | 5.0           | 8.48         | 411.8       |                          |            |
| 08/16/2012  | 19:38:07         | 94                    | 5.0           | 8.48         | 421.8       |                          |            |
| 08/16/2012  | 19:40:07         | 48                    | 3.4           | 8.48         | 429.6       |                          |            |
| 08/16/2012  | 19:42:07         | 11                    | 0.0           | 8.48         | 433.5       |                          |            |
| 08/16/2012  | 19:42:31         |                       |               |              |             | 10 bbl Water             |            |
| 08/16/2012  | 19:42:31         | 12                    | 0.0           | 8.48         | 433.5       |                          |            |
| 08/16/2012  | 19:42:44         |                       |               |              |             | Start Pumping Spacer     |            |
| 08/16/2012  | 19:42:44         | 12                    | 0.0           | 8.48         | 433.5       |                          |            |
| 08/16/2012  | 19:42:45         |                       |               |              |             | 50 bbl Mudpush           |            |
| 08/16/2012  | 19:42:45         |                       |               |              |             | No Returns               |            |
| 08/16/2012  | 19:42:45         | 12                    | 0.0           | 8.48         | 433.5       |                          |            |
| 08/16/2012  | 19:44:07         | 64                    | 3.9           | 8.93         | 436.5       |                          |            |
| 08/16/2012  | 19:46:07         | 147                   | 6.5           | 9.13         | 445.8       |                          |            |
| 08/16/2012  | 19:48:07         | 153                   | 6.5           | 8.98         | 458.8       |                          |            |
| 08/16/2012  | 19:50:07         | 253                   | 7.2           | 10.69        | 472.1       |                          |            |
| 08/16/2012  | 19:51:24         |                       |               |              |             | End Spacer               |            |
| 08/16/2012  | 19:51:24         | 228                   | 5.9           | 11.17        | 479.9       |                          |            |
| 08/16/2012  | 19:52:07         | 257                   | 5.9           | 11.12        | 484.1       |                          |            |
| 08/16/2012  | 19:54:07         | 400                   | 7.5           | 11.10        | 497.6       |                          |            |
| 08/16/2012  | 19:56:07         | 272                   | 7.3           | 11.13        | 512.3       |                          |            |
| 08/16/2012  | 19:57:42         |                       |               |              |             | Start Cement Slurry      |            |
| 08/16/2012  | 19:57:42         | 231                   | 7.3           | 11.04        | 523.9       |                          |            |
| 08/16/2012  | 19:57:43         |                       |               |              |             | Start Mixing Lead Slurry |            |
| 08/16/2012  | 19:57:43         | 231                   | 7.3           | 11.04        | 524.0       |                          |            |
| 08/16/2012  | 19:57:44         |                       |               |              |             | Wet Dry Samples          |            |
| 08/16/2012  | 19:57:44         |                       |               |              |             | Test = 11.0 ppg          |            |
| 08/16/2012  | 19:57:44         |                       |               |              |             | No Returns               |            |
| 08/16/2012  | 19:57:44         | 388                   | 7.3           | 11.05        | 524.1       |                          |            |
| 08/16/2012  | 19:58:07         | 241                   | 7.3           | 11.09        | 526.9       |                          |            |
| 08/16/2012  | 20:00:07         | 229                   | 7.8           | 11.09        | 542.3       |                          |            |
| 08/16/2012  | 20:02:07         | 358                   | 7.9           | 11.05        | 557.9       |                          |            |
| 08/16/2012  | 20:04:07         | 314                   | 7.9           | 11.04        | 573.8       |                          |            |
| 08/16/2012  | 20:06:07         | 288                   | 7.9           | 11.02        | 589.5       |                          |            |
| 08/16/2012  | 20:08:07         | 294                   | 7.9           | 11.04        | 605.4       |                          |            |
| 08/16/2012  | 20:10:07         | 304                   | 7.9           | 11.11        | 621.2       |                          |            |
| 08/16/2012  | 20:12:07         | 303                   | 7.9           | 11.16        | 637.0       |                          |            |
| 08/16/2012  | 20:14:07         | 321                   | 7.9           | 11.05        | 653.0       |                          |            |
| 08/16/2012  | 20:16:07         | 315                   | 7.9           | 11.00        | 668.8       |                          |            |
| 08/16/2012  | 20:18:07         | 308                   | 7.9           | 11.01        | 684.7       |                          |            |
| 08/16/2012  | 20:20:07         | 325                   | 7.9           | 11.01        | 700.5       |                          |            |

| Well        |                  |                       | Field         |              | Job Start   | Customer                      | Job Number |
|-------------|------------------|-----------------------|---------------|--------------|-------------|-------------------------------|------------|
| SG 8504D-36 |                  |                       | Story Gulch   |              | Aug/16/2012 | Encana                        | C610-00554 |
| Date        | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL  | Message                       |            |
| 08/16/2012  | 20:24:07         | 315                   | 7.9           | 11.01        | 732.2       |                               |            |
| 08/16/2012  | 20:26:07         | 326                   | 7.9           | 11.01        | 748.0       |                               |            |
| 08/16/2012  | 20:28:07         | 329                   | 7.9           | 11.02        | 763.8       |                               |            |
| 08/16/2012  | 20:30:07         | 234                   | 6.5           | 11.02        | 779.5       |                               |            |
| 08/16/2012  | 20:32:07         | 244                   | 6.5           | 10.99        | 792.5       |                               |            |
| 08/16/2012  | 20:34:07         | 233                   | 6.5           | 11.08        | 805.5       |                               |            |
| 08/16/2012  | 20:36:07         | 238                   | 6.5           | 11.07        | 818.5       |                               |            |
| 08/16/2012  | 20:38:07         | 232                   | 6.5           | 11.01        | 831.5       |                               |            |
| 08/16/2012  | 20:40:07         | 212                   | 6.5           | 11.05        | 844.5       |                               |            |
| 08/16/2012  | 20:42:07         | 218                   | 6.5           | 11.03        | 857.5       |                               |            |
| 08/16/2012  | 20:44:07         | 201                   | 6.5           | 11.03        | 870.5       |                               |            |
| 08/16/2012  | 20:46:07         | 218                   | 6.5           | 11.00        | 883.5       |                               |            |
| 08/16/2012  | 20:48:07         | 216                   | 6.5           | 10.99        | 896.4       |                               |            |
| 08/16/2012  | 20:50:07         | 224                   | 6.5           | 10.98        | 909.4       |                               |            |
| 08/16/2012  | 20:52:07         | 228                   | 6.5           | 10.98        | 922.4       |                               |            |
| 08/16/2012  | 20:54:07         | 220                   | 6.5           | 11.01        | 935.4       |                               |            |
| 08/16/2012  | 20:56:07         | 221                   | 6.5           | 11.09        | 948.3       |                               |            |
| 08/16/2012  | 20:58:07         | 227                   | 6.5           | 11.11        | 961.3       |                               |            |
| 08/16/2012  | 21:00:07         | 231                   | 6.5           | 11.13        | 974.3       |                               |            |
| 08/16/2012  | 21:00:20         |                       |               |              |             | End Lead Slurry               |            |
| 08/16/2012  | 21:00:20         |                       |               |              |             | Start Mixing Scav Slurry      |            |
| 08/16/2012  | 21:00:20         | 227                   | 6.5           | 11.10        | 975.7       |                               |            |
| 08/16/2012  | 21:02:07         | 235                   | 6.5           | 11.62        | 987.3       |                               |            |
| 08/16/2012  | 21:02:40         |                       |               |              |             | Reset Total, Vol = 990.91 bbl |            |
| 08/16/2012  | 21:02:40         | 244                   | 6.5           | 11.75        | 990.9       |                               |            |
| 08/16/2012  | 21:03:20         |                       |               |              |             | End Scavenger Slurry          |            |
| 08/16/2012  | 21:03:20         | 259                   | 6.5           | 11.94        | 995.2       |                               |            |
| 08/16/2012  | 21:03:21         |                       |               |              |             | Start Mixing Tail Slurry      |            |
| 08/16/2012  | 21:03:21         | 273                   | 6.5           | 11.94        | 995.3       |                               |            |
| 08/16/2012  | 21:03:22         |                       |               |              |             | Wet Dry Samples               |            |
| 08/16/2012  | 21:03:22         |                       |               |              |             | Test = 12.5 ppg               |            |
| 08/16/2012  | 21:03:22         |                       |               |              |             | No Returns                    |            |
| 08/16/2012  | 21:03:22         | 273                   | 6.5           | 11.95        | 995.5       |                               |            |
| 08/16/2012  | 21:04:07         | 263                   | 6.5           | 12.25        | 1000.3      |                               |            |
| 08/16/2012  | 21:06:07         | 283                   | 6.5           | 12.52        | 1013.3      |                               |            |
| 08/16/2012  | 21:08:07         | 285                   | 6.5           | 12.52        | 1026.2      |                               |            |
| 08/16/2012  | 21:10:07         | 289                   | 6.5           | 12.47        | 1039.2      |                               |            |
| 08/16/2012  | 21:11:37         |                       |               |              |             | End Tail Slurry               |            |
| 08/16/2012  | 21:11:37         | 292                   | 6.5           | 12.47        | 1048.9      |                               |            |
| 08/16/2012  | 21:12:07         | 307                   | 6.5           | 12.47        | 1052.1      |                               |            |
| 08/16/2012  | 21:12:51         |                       |               |              |             | End Cement Slurry             |            |
| 08/16/2012  | 21:12:51         | 277                   | 6.5           | 12.48        | 1056.8      |                               |            |
| 08/16/2012  | 21:14:07         | 277                   | 6.5           | 12.49        | 1065.0      |                               |            |
| 08/16/2012  | 21:16:07         | 185                   | 5.9           | 12.46        | 1077.9      |                               |            |
| 08/16/2012  | 21:18:07         | 102                   | 3.6           | 12.49        | 1085.3      |                               |            |
| 08/16/2012  | 21:20:07         | 110                   | 3.5           | 10.95        | 1092.6      |                               |            |
| 08/16/2012  | 21:22:04         |                       |               |              |             | Drop Top Plug                 |            |
| 08/16/2012  | 21:22:04         | 75                    | 3.7           | 8.93         | 1100.2      |                               |            |
| 08/16/2012  | 21:22:05         |                       |               |              |             | Start Displacement            |            |
| 08/16/2012  | 21:22:05         | 75                    | 3.7           | 8.92         | 1100.3      |                               |            |
| 08/16/2012  | 21:22:06         |                       |               |              |             | 230 bbl Fresh Water           |            |
| 08/16/2012  | 21:22:06         |                       |               |              |             | No Returns                    |            |
| 08/16/2012  | 21:22:06         | 74                    | 3.7           | 8.92         | 1100.3      |                               |            |
| 08/16/2012  | 21:22:07         | 75                    | 3.7           | 8.92         | 1100.4      |                               |            |

| Well        |                  |                       | Field         |              | Job Start   | Customer                   | Job Number |
|-------------|------------------|-----------------------|---------------|--------------|-------------|----------------------------|------------|
| SG 8504D-36 |                  |                       | Story Gulch   |              | Aug/16/2012 | Encana                     | C610-00554 |
| Date        | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL  | Message                    |            |
| 08/16/2012  | 21:26:07         | 109                   | 4.4           | 8.65         | 1115.3      |                            |            |
| 08/16/2012  | 21:28:07         | 106                   | 5.1           | 8.60         | 1125.4      |                            |            |
| 08/16/2012  | 21:30:07         | 109                   | 5.1           | 8.54         | 1135.6      |                            |            |
| 08/16/2012  | 21:32:07         | 112                   | 5.1           | 8.50         | 1145.8      |                            |            |
| 08/16/2012  | 21:34:07         | 107                   | 5.1           | 8.46         | 1155.9      |                            |            |
| 08/16/2012  | 21:36:07         | 106                   | 5.1           | 8.47         | 1166.1      |                            |            |
| 08/16/2012  | 21:38:07         | 101                   | 5.1           | 8.48         | 1176.3      |                            |            |
| 08/16/2012  | 21:40:07         | 107                   | 5.0           | 8.48         | 1186.3      |                            |            |
| 08/16/2012  | 21:42:07         | 139                   | 5.0           | 8.48         | 1196.3      |                            |            |
| 08/16/2012  | 21:44:07         | 177                   | 5.0           | 8.47         | 1206.3      |                            |            |
| 08/16/2012  | 21:46:07         | 228                   | 5.0           | 8.48         | 1216.3      |                            |            |
| 08/16/2012  | 21:48:07         | 284                   | 5.0           | 8.48         | 1226.2      |                            |            |
| 08/16/2012  | 21:50:07         | 348                   | 5.0           | 8.48         | 1236.2      |                            |            |
| 08/16/2012  | 21:52:07         | 338                   | 5.0           | 8.48         | 1246.1      |                            |            |
| 08/16/2012  | 21:54:07         | 392                   | 5.0           | 8.48         | 1256.0      |                            |            |
| 08/16/2012  | 21:56:07         | 434                   | 5.0           | 8.48         | 1265.9      |                            |            |
| 08/16/2012  | 21:58:07         | 430                   | 5.0           | 8.48         | 1275.8      |                            |            |
| 08/16/2012  | 22:00:07         | 470                   | 5.0           | 8.47         | 1285.7      |                            |            |
| 08/16/2012  | 22:02:07         | 452                   | 5.0           | 8.47         | 1295.6      |                            |            |
| 08/16/2012  | 22:04:07         | 549                   | 5.0           | 8.48         | 1305.5      |                            |            |
| 08/16/2012  | 22:06:07         | 417                   | 3.5           | 8.47         | 1314.4      |                            |            |
| 08/16/2012  | 22:08:07         | 483                   | 3.5           | 8.47         | 1321.3      |                            |            |
| 08/16/2012  | 22:10:07         | 1026                  | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:12:07         | 1024                  | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:14:07         | 1025                  | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:15:24         |                       |               |              |             | Bump Top Plug              |            |
| 08/16/2012  | 22:15:24         |                       |               |              |             | End Displacement           |            |
| 08/16/2012  | 22:15:24         | 1026                  | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:16:07         | 1027                  | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:18:07         | 1029                  | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:20:07         | 14                    | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:21:23         |                       |               |              |             | Bleed Off Check Floats     |            |
| 08/16/2012  | 22:21:23         |                       |               |              |             | Floats Held                |            |
| 08/16/2012  | 22:21:23         | 9                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:21:40         |                       |               |              |             | 1 bbl Back                 |            |
| 08/16/2012  | 22:21:40         | 9                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:21:59         |                       |               |              |             | Rig Down Floor             |            |
| 08/16/2012  | 22:21:59         | 9                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:22:07         | 9                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:22:13         |                       |               |              |             | Wait To Pump Parisite Line |            |
| 08/16/2012  | 22:22:13         | 9                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:24:07         | 9                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:26:07         | 9                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:28:07         | 9                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:30:07         | 8                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:32:07         | 8                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:34:07         | 8                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:36:07         | 8                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:38:07         | 8                     | 0.0           | 8.47         | 1323.5      |                            |            |
| 08/16/2012  | 22:40:07         | 8                     | 0.0           | 8.47         | 1323.5      |                            |            |
| 08/16/2012  | 22:42:07         | 8                     | 0.0           | 8.47         | 1323.5      |                            |            |
| 08/16/2012  | 22:44:07         | 7                     | 0.0           | 8.47         | 1323.5      |                            |            |
| 08/16/2012  | 22:46:07         | 7                     | 0.0           | 8.48         | 1323.5      |                            |            |
| 08/16/2012  | 22:48:07         | 15                    | 0.0           | 8.47         | 1323.5      |                            |            |

| Well        |                  | Field                 |               | Job Start    |            | Customer                  |  | Job Number |  |
|-------------|------------------|-----------------------|---------------|--------------|------------|---------------------------|--|------------|--|
| SG 8504D-36 |                  | Story Gulch           |               | Aug/16/2012  |            | Encana                    |  | C610-00554 |  |
| Date        | Time 24-hr clock | Treating Pressure PSI | Flow Rate B/M | Density LB/G | Volume BBL | Message                   |  |            |  |
| 08/16/2012  | 22:52:07         | 11                    | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 22:54:07         | 6                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 22:56:07         | 6                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 22:58:07         | 7                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:00:07         | 6                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:02:07         | 7                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:04:07         | 7                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:06:07         | 7                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:08:07         | 7                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:09:47         |                       |               |              |            | Pump Parasite Line 10 bbl |  |            |  |
| 08/16/2012  | 23:09:47         | 6                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:10:07         | 7                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:12:07         | 6                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:14:07         | 6                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:16:07         | 7                     | 0.0           | 8.47         | 1323.5     |                           |  |            |  |
| 08/16/2012  | 23:18:07         | 45                    | 2.2           | 8.51         | 1326.9     |                           |  |            |  |
| 08/16/2012  | 23:20:07         | 436                   | 2.5           | 8.51         | 1331.8     |                           |  |            |  |
| 08/16/2012  | 23:22:07         | 31                    | 0.0           | 8.47         | 1335.8     |                           |  |            |  |
| 08/16/2012  | 23:22:19         |                       |               |              |            | Rig Down                  |  |            |  |
| 08/16/2012  | 23:22:19         | 6                     | 0.0           | 8.47         | 1335.8     |                           |  |            |  |

### Post Job Summary

| Average Pump Rates, bbl/min           |                         |              |                | Volume of Fluid Injected, bbl |                                     |               |                                     |
|---------------------------------------|-------------------------|--------------|----------------|-------------------------------|-------------------------------------|---------------|-------------------------------------|
| Slurry                                | N2                      | Mud          | Maximum Rate   | Total Slurry                  | Mud                                 | Spacer        | N2                                  |
| 5.8                                   |                         | 0.0          | 9.8            | 1335.8                        | 0.0                                 | 479.8         |                                     |
| Treating Pressure Summary, psi        |                         |              |                | Breakdown Fluid               |                                     |               |                                     |
| Maximum                               | Final                   | Average      | Bump Plug to   | Breakdown                     | Type                                | Volume        | Density                             |
| 3407                                  | 6                       | 215          |                |                               |                                     |               |                                     |
| Avg. N2 Percent                       | Designed Slurry Volume  | Displacement | Mix Water Temp | Cement Circulated to Surface? | <input checked="" type="checkbox"/> | Volume        |                                     |
|                                       |                         | 223.3 bbl    | 70 degF        | Washed Thru Perfs             | <input type="checkbox"/>            | To            |                                     |
| Customer or Authorized Representative | Schlumberger Supervisor |              |                | Circulation Lost              | <input type="checkbox"/>            | Job Completed | <input checked="" type="checkbox"/> |
| Ira Cox                               | Jordan Moreland         |              |                | -                             |                                     | -             |                                     |



|                      |               |
|----------------------|---------------|
| <b>Client:</b>       | Encana        |
| <b>Field:</b>        | Story Gulch   |
| <b>Rig:</b>          | Patterson 306 |
| <b>Well:</b>         | SG 8504D-36   |
| <b>Service Line:</b> | Cementing     |
| <b>Job Type:</b>     | 9 5/8 Surface |

|                               |                 |
|-------------------------------|-----------------|
| <b>Service Order #:</b>       |                 |
| <b>Date:</b>                  | Aug/16/2012     |
| <b>Operating Time:</b>        | 0.0             |
| <b>Client Rep:</b>            | Encana          |
| <b>Schlumberger Engineer:</b> | Jordan Moreland |
| <b>Schlumberger FSM:</b>      |                 |

**Main Objective:**

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

|           |  | Score | Yes / No                                |                             | Result |
|-----------|--|-------|---|-----------------------------|--------|
| <b>1</b>  | <b>HSE</b>   |       |   |                             |        |
| 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        | Free of RIRs   | 5     | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 5      |
| 1d        | Wellsite left clean  | 4     | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 4      |
| Sub-total |  |       |   |                             | 100%   |

|           |  |   |   |                             |      |
|-----------|--|---|---|-----------------------------|------|
| <b>2</b>  | <b>Design / Preparation</b>  |   |   |                             |      |
| 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% |

|           |  |   |   |                             |      |
|-----------|--|---|---|-----------------------------|------|
| <b>3</b>  | <b>Execution</b>   |   |   |                             |      |
| 3a        | Lost time < 30 mins  | 3 | yes <input checked="" type="checkbox"/> | no <input type="checkbox"/> | 3    |
| 3b        | Equipment pressure tested successfully   | 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 successfully                                 | 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 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% |

|           |   |    |   |                             |      |
|-----------|---|----|---|-----------------------------|------|
| <b>4</b>  | <b>Evaluation</b>   |    |   |                             |      |
| 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.)

|                      |                      |
|----------------------|----------------------|
| <b>Client:</b>       | <b>Schlumberger:</b> |
| <br><br><br><br><br> | <br><br><br><br><br> |

|                          |                                |
|--------------------------|--------------------------------|
| <b>Client Signature:</b> | <b>Schlumberger Signature:</b> |
| <br><br><br><br><br>     | <br><br><br><br><br>           |