

| HALIBURTON | | | | | | | | | | Gamma Ray C.C.L. Cement Bond V.D.L. | | | |
|-------------------------------------|--|---------------------|--|--------------------------|--|----------------|--|------------|--|--|--|---------|--|
| Company Encana Oil & Gas (USA) Inc. | | | | | | | | | | | | | |
| Well Helen 33-23 | | | | | | | | | | | | | |
| Field Wattenberg | | | | | | | | | | | | | |
| County Broomfield | | | | | | | | | | | | | |
| State Colorado | | | | | | | | | | | | | |
| AP# No.: | | 06-014-20649-00 | | Srv#: | | Other Services | | | | | | | |
| Location: | | 1930 FSL & 2130 FEL | | None | | | | | | | | | |
| INWSE | | | | | | | | | | | | | |
| Sec:23 | | Twp:1N | | Rge:68W | | | | | | | | | |
| Permanent Datum | | QL | | Elevation | | 5174 | | Elevation | | | | | |
| Log Measured From | | KB | | 15 Ft. above perm. datum | | | | KB | | 5167 | | | |
| Drilling Measured From | | KB | | | | | | D.F. | | 5165 | | | |
| Run No. | | September 26, 2008 | | Type Fluid in Hole | | Water | | G.L. | | 5142 | | | |
| Depth - Driller | | 8504 | | Cement Top East Logged | | 7054 | | | | | | | |
| Depth - Logger | | 8417 | | Equipment Location | | 10842360 | | / Brighton | | | | | |
| Depth - Logger Interval | | 8415 | | Recorded by | | Michael Snyder | | | | | | | |
| Max. Recorded Temp. | | NOT RECORDED | | Witnessed by | | Brad Bottom | | | | | | | |
| Cementing Data | | NOT RECORDED | | Production | | String | | | | | | | |
| Pore / Time Cemented | | String | | String | | | | | | | | | |
| Expected Strength | | psi@ | | hrs | | psi@ | | hrs | | psi@ | | hrs | |
| Compressive Strength | | psi@ | | hrs | | psi@ | | hrs | | psi@ | | hrs | |
| Cement Volume | | cu yds | | Premium | | 1.5 yield | | / | | | | | |
| Cement Type / Weight | | / | | 1,340 yield | | / | | | | | | | |
| Fluid Type / Mud Vct. | | / | | / | | | | | | | | | |
| Run Number | | Bit | | From | | To | | Size | | Weight | | To | |
| | | | | | | | | 4.5 | | T.D. | | Surface | |
| Casing & Tubing Record | | | | | | | | | | | | | |
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