



GAMMA RAY C.C.L.  
CEMENT BOND V.D.L.

|                        |                          |                      |                 |
|------------------------|--------------------------|----------------------|-----------------|
| Company                |                          | PDC Energy           |                 |
| Well                   |                          | Wacker 22-10         |                 |
| Field                  |                          | Wattenberg           |                 |
| County                 |                          | Weld                 |                 |
| State                  |                          | CO                   |                 |
| Location:              |                          | API # : 05-123-19261 |                 |
| SE / NW                |                          | Other Services       |                 |
|                        |                          |                      |                 |
| SEC 10                 |                          | TWP 5N               | RGE 64W         |
| Permanent Datum        |                          | GL                   | Elevation 4610' |
| Log Measured From      |                          | KB                   | K.B. 4621'      |
| Drilling Measured From |                          | KB                   | D.F. 4620'      |
|                        |                          |                      | G.L. 4610'      |
| Date                   | December 30, 2015        |                      |                 |
| Run Number             | 1                        |                      |                 |
| Depth Driller          | 6995'                    |                      |                 |
| Depth Logger           | 390                      |                      |                 |
| Bottom Logged Interval | 390'-0"                  |                      |                 |
| Top Log Interval       |                          |                      |                 |
| Casing Size            |                          |                      |                 |
| Type Fluid             | WATER                    |                      |                 |
| Max. Recorded Temp.    | N/A                      |                      |                 |
| Estimated Cement Top   |                          |                      |                 |
| Time Well Ready        |                          |                      |                 |
| Unit Logger On Bottom  |                          |                      |                 |
| Tool Number            | 923827                   |                      |                 |
| Tool Size / ID Number  | 1-11/16 Probe            |                      |                 |
| Location               | MC8680-55.5 S41/10 W1/10 |                      |                 |
| Recorded By            | Meisner                  |                      |                 |
| Witnessed By           | Holman                   |                      |                 |
| Run Number             | Borehole Record          |                      | Tubing Record   |
| Bit                    | From                     | To                   | Size            |
|                        |                          |                      | Weight          |
|                        |                          |                      | From            |
|                        |                          |                      | To              |
| Casing Record          | Size                     | Wg/ft                | Top             |
| Surface String         |                          |                      |                 |
| Prot. String           | 3.5"                     |                      |                 |
| Production String      |                          |                      |                 |
| Liner                  |                          |                      |                 |

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Database File: pdcw2210.db  
Dataset Pathname: pass4.1  
Presentation Format: noble en  
Dataset Creation: Wed Dec 30 07:36:30 2015 by Calc 7.0 B1  
Charted by: Depth in Feet scaled 1:240

