**NABORS**
**COMPLETION & PRODUCTION SERVICES CO.**

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

Company PDC Energy
Well Becker Ranch 5J-323R
Field Wattenberg
County Weld
State CO

Company PDC Energy
Well Becker Ranch 5J-323R
Field Wattenberg
County Weld State CO

Location: API # : 05-123-39075

272' FNL & 2189' FWL
NE / NW

SEC 5 TWP 3N RGE 64W

Other Services

Permanent Datum GL Elevation 4815'
Log Measured From KB
Drilling Measured From KB

Elevation
K.B.
D.F.
G.L. 4815'

| | | | |
|---|---|---|---|
| Date | September 15, 2015 | | |
| Run Number | 1 | | |
| Depth Driller | 11,454' | | |
| Depth Logger | 6200' | | |
| Bottom Logged Interval | 6200'-0' | | |
| Top Log Interval | | | |
| Casing Size | | | |
| Type Fluid | WATER | | |
| Max. Recorded Temp. | N/A | | |
| Estimated Cement Top | | | |
| Time Well Ready | | | |
| Time Logger On Bottom | | | |
| Unit Number | 923827 | | |
| Tool Size / ID Number | 1-11/16 Probe | | |
| Location | WCRs36+53,N9/10,W7/10,Ninto | | |
| Recorded By | Meisner | | |
| Witnessed By | Gardella | | |

| Borehole Record | | | | Tubing Record | | | |
|---|---|---|---|---|---|---|---|
| Run Number | Bit | From | To | Size | Weight | From | To |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | | | | |
| Prot. String | | | | |
| Production String | 7" | | | |
| 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

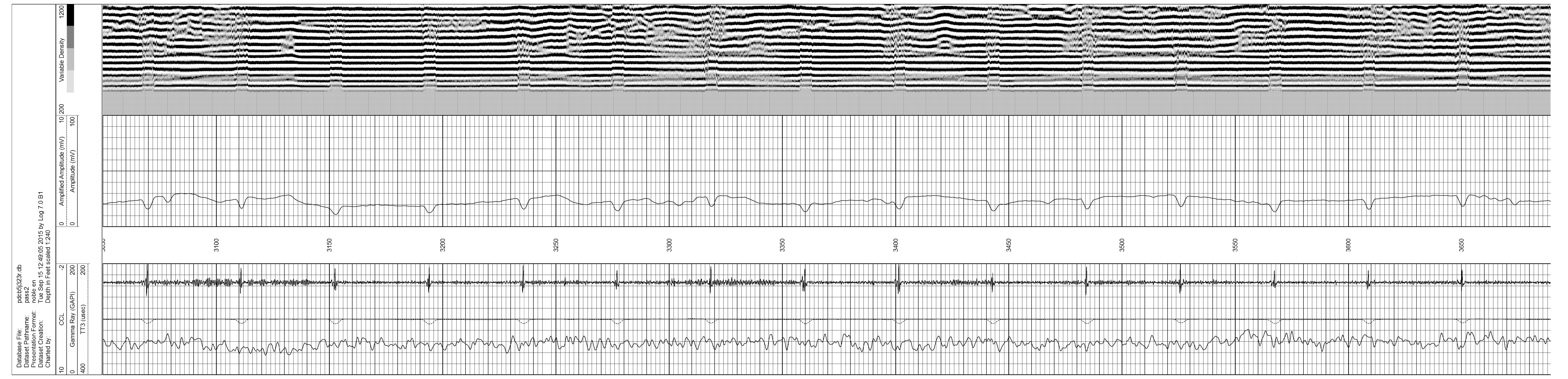
Becker Ranch 5JM 4 Well Pad

<NORTH> O $ X O O <SOUTH>

X = Becker Ranch 5J - 323R
$ = P-n-A Well

| | |
|---|---|
| Database File: | pdcb5j323r.db |
| Dataset Pathname: | pass3 |
| Presentation Format: | noble en |
| Dataset Creation: | Tue Sep 15 13:11:50 2015 by Log 7.0 B1 |
| Charted by: | Depth in Feet scaled 1:240 |

| | |
|---|---|
| Database File: | pdcb5j323r.db |
| Dataset Pathname: | pass2 |
| Presentation Format: | noble en |
| Dataset Creation: | Tue Sep 15 12:49:05 2015 by Log 7.0 B1 |
| Charted by: | Depth in Feet scaled 1:240 |



| | |
|---|---|
| Database File: | pdcb5j323r.db |
| Dataset Pathname: | pass1 |
| Presentation Format: | noble en |
| Dataset Creation: | Tue Sep 15 12:35:05 2015 by Log 7.0 B1 |
| Charted by: | Depth in Feet scaled 1:240 |