PSI
PHOENIX SURVEYS, INC.

Cement Bond Log
Gamma Ray - CCL - VDL

Company	Rosetta Resources Operating, LP
Well	Bowman 11-09
Field	Blizzard
County	Yuma
State	Colorado

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Well Bowman 11-09
Field Blizzard
County Yuma State Colorado

Location: API # : 05-125-11754-00
2214' FSL & 372' FEL
NE SE
SEC 11 TWP 2S RGE 45W

Other Services
MAST
PERF

Permanent Datum	Ground Level	Elevation	3903
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		

Elevation
K.B. 3915
D.F. 3914
G.L. 3903

Date	3-May-2010
Run Number	1
Depth Driller	2510
Depth Logger	2445
Bottom Logged Interval	2444
Top Log Interval	1400
Open Hole Size	6.125"
Type Fluid	Water
Density / Viscosity	8.34 lb/gal
Max. Recorded Temp.	106 DEGF
Estimated Cement Top	1600
Time Well Ready	N/A
Time Logger on Bottom	N/A
Equipment Number	#54
Location	Fort Morgan, CO
Recorded By	Sam Hopper
Witnessed By	Rick King

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	4.5"	10.5 lb/ft	Surface	2510
Liner				

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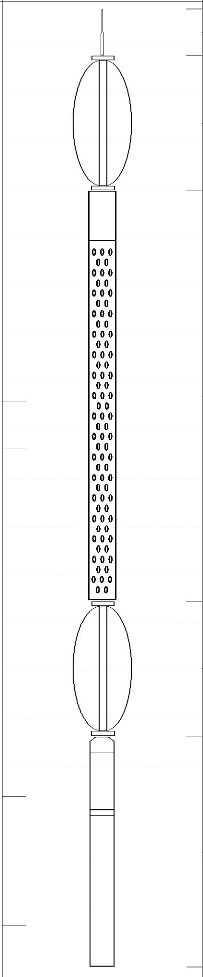
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by any 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.

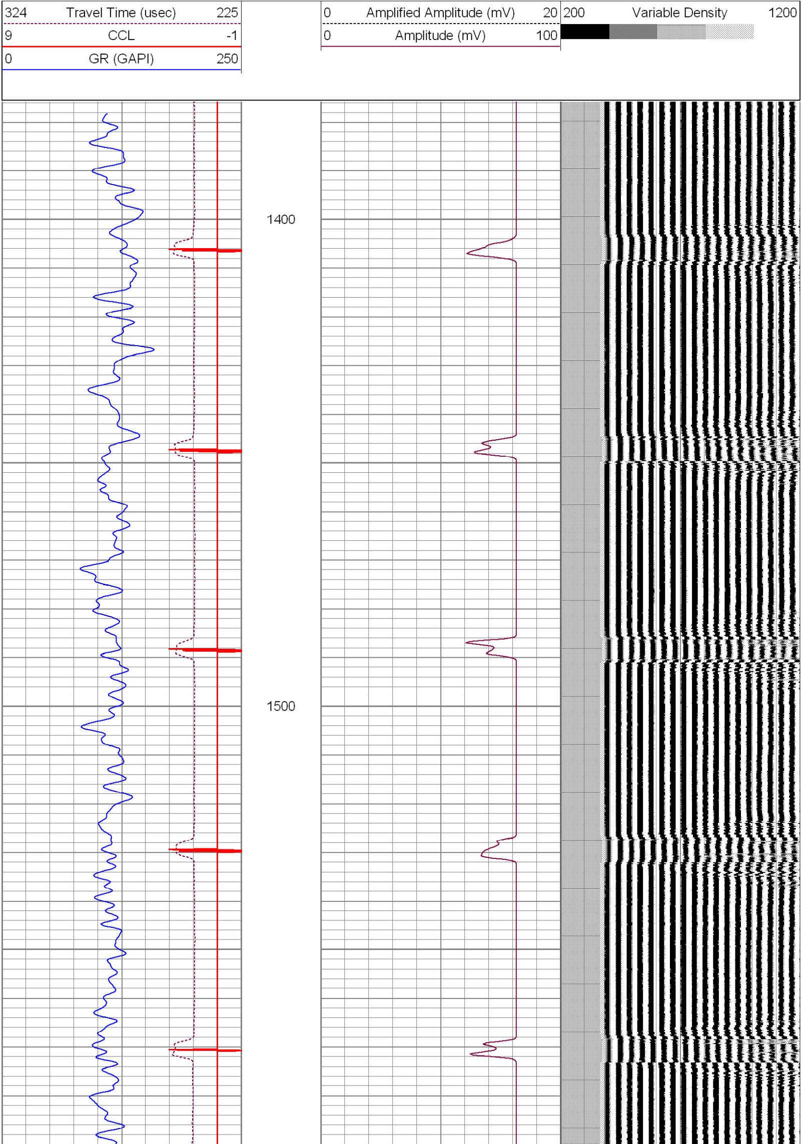
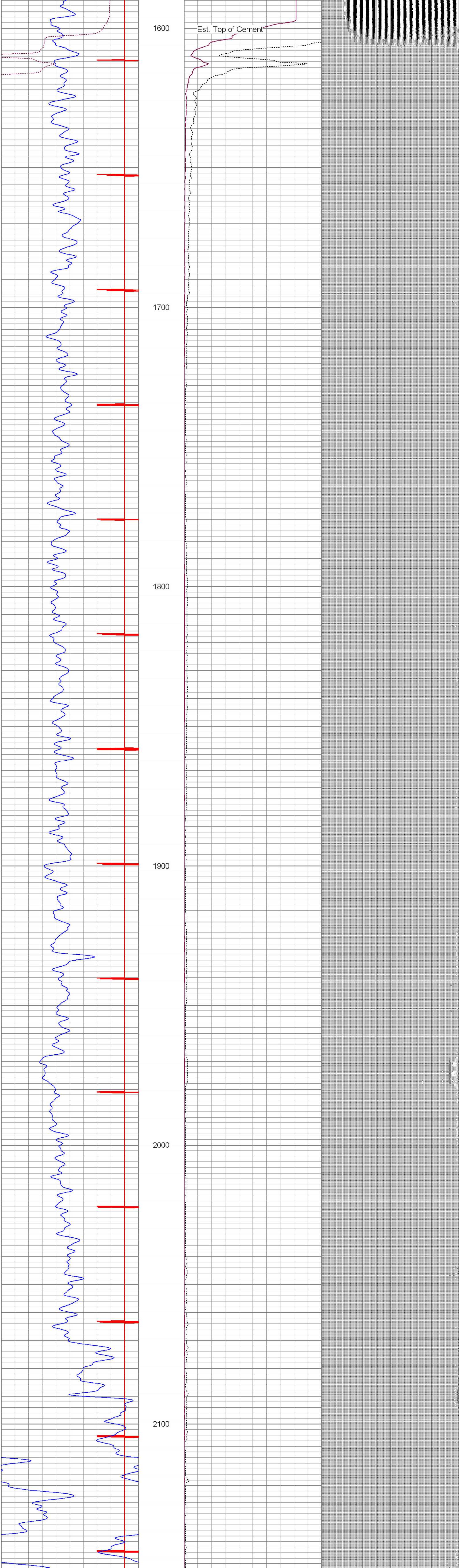
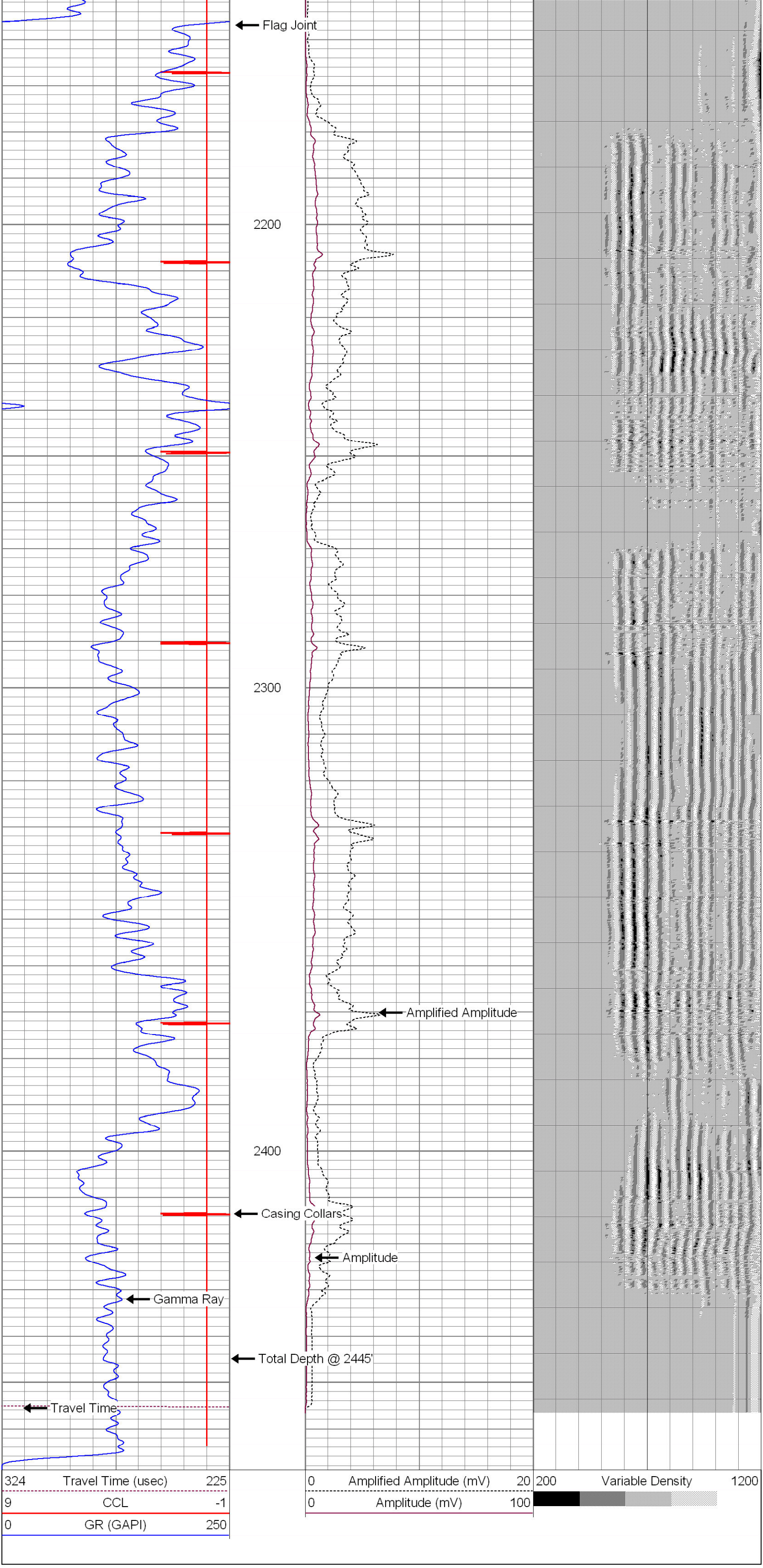
Comments

Depth Ref to PSI Tripple Combo Log dated 8-Apr-2010.
Run CBL from TD to 200' above cement top.
Perforate 2182-2192 @ 4 SPF, 10' NET, 40 Shots,
using Titan 19gm, 0.40"EHD, 40.89"PENE, 120deg phasing.
API# 05-125-11754-00
Thank you for using Phoenix Surveys!!



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		STNDRD Standard Cable Head	1.00	1.69	1.00
		SDSCENT Centralizer	2.87	2.75	24.00
WVF3	12.04	CBL-Probe (050215)	8.75	2.75	93.00
WVF5	11.04				
		SDSCENT Centralizer	2.87	2.75	24.00
CCL	3.63				
		GR_CCL-SDS (SDSSEMO) GR/CCL (050-GR275-001)	4.92	2.75	60.00
GR	0.90				

Dataset: rosetta_bowman_11-09.db: field/well/run1/pass2
Total Length: 20.41 ft
Total Weight: 202.00 lb
O.D. 2.75 in

Database File:	rosetta_bowman_11-09.db
Dataset Pathname:	pass2
Presentation Format:	cbl_dr
Dataset Creation:	Mon May 03 09:45:20 2010 by Log Std Casedhole 09061
Charted by:	Depth in Feet scaled 1:240