




for correctness of a  
ages, or expenses  
also subject to out

 <b>Phoenix Surveys, Inc.</b>										<b>Cement Bond Log</b> <b>Gamma Ray - CCL - VDL</b>									
<b>Company</b> Rosetta Resources Operating, LP										<b>Company</b> Rosetta Resources Operating, LP									
<b>Well</b> Schobe 22-15										<b>Well</b> Schobe 22-15									
<b>Field</b> Vernon										<b>Field</b> Vernon									
<b>County</b> Yuma										<b>County</b> Yuma									
<b>State</b> Colorado										<b>State</b> Colorado									
<b>Location:</b> 1014 FSL & 1494 FEL SWSE										<b>AP# #:</b> 05-125-11796-00 <b>Other Services</b>									
<b>Permanent Datum</b> Ground Level										<b>Elevation</b> 3650									
<b>Log Measured From</b> Kelly Bushing										<b>Elevation</b> 3650									
<b>Drilling Measured From</b> Kelly Bushing										<b>Elevation</b> 3650									
<b>Date</b> 5-Mar-2010										<b>Run Number</b> 1									
<b>Depth Other</b> 2504										<b>Depth Other</b> 2504									
<b>Top Log Interval</b> 2437										<b>Top Log Interval</b> 2437									
<b>Open Hole Size</b> 6.125"										<b>Open Hole Size</b> 6.125"									
<b>Type Fluid</b> Water										<b>Type Fluid</b> Water									
<b>Density / Viscosity</b> 8.34 lb/gal										<b>Density / Viscosity</b> 8.34 lb/gal									
<b>Max. Recorded Temp.</b> 108 DEGF										<b>Max. Recorded Temp.</b> 108 DEGF									
<b>Estimated Cement Top</b> 1540										<b>Estimated Cement Top</b> 1540									
<b>Time Lagged on Bottom</b> N/A										<b>Time Lagged on Bottom</b> N/A									
<b>Equipment Number</b> #54										<b>Equipment Number</b> #54									
<b>Location</b> Fort Morgan, CO										<b>Location</b> Fort Morgan, CO									
<b>Recorded By</b> Rick King										<b>Recorded By</b> Rick King									
<b>Witnessed By</b>										<b>Witnessed By</b>									
<b>Run Number</b>										<b>Run Number</b>									
<b>Borehole Record</b>										<b>Borehole Record</b>									
<b>Bit</b>										<b>Bit</b>									
<b>From</b>										<b>From</b>									
<b>To</b>										<b>To</b>									
<b>Size</b>										<b>Size</b>									
<b>Weight</b>										<b>Weight</b>									
<b>From</b>										<b>From</b>									
<b>To</b>										<b>To</b>									
<b>Setting Record</b>										<b>Setting Record</b>									
<b>Casing String</b>										<b>Casing String</b>									
<b>Spot String</b>										<b>Spot String</b>									
<b>Production String</b>										<b>Production String</b>									
<b>4.5"</b>										<b>4.5"</b>									
<b>10.0 lb/ft</b>										<b>10.0 lb/ft</b>									
<b>Surface</b>										<b>Surface</b>									
<b>2504</b>										<b>2504</b>									
<b>Inner</b>										<b>Inner</b>									
<<< 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.																			
<b>Comments</b>																			

Depth Ref to PSI Tripple Combo Log dated 22-Apr-2010.

Run CBL from TD to 200' above cement top.

Perforate 2166-2176 @ 4 SPF, 10' NET, 40 Shots,  
using Titan 19gm, 0.40'EHD, 40.89"PENE, 120deg phasing.

API# 05-125-11796-00

Thank you for using Phoenix Surveys!!

Sensor	Offset (ft)	Schematic	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_schobe_22-15.db: field/well/run1/pass2 Total Length: 20.41 ft Total Weight: 202.00 lb O.D.: 2.75 in						

Database File:

rosetta\_schobe\_22-15.db

Dataset Pathname:

pass2

Presentation Format:

cbl\_dr

Dataset Creation:

Mon May 03 13:34:39 2010 by Log Std Casedhole 09061

Charted by:

Depth in Feet scaled 1:240

324

Travel Time (usec)

225

9

CCL

-1

0

Amplified Amplitude (mV)

20

200

Variable Density

1200

0

Amplitude (mV)

100

