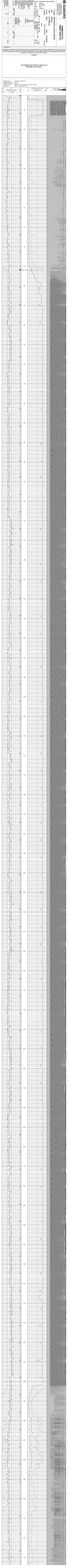

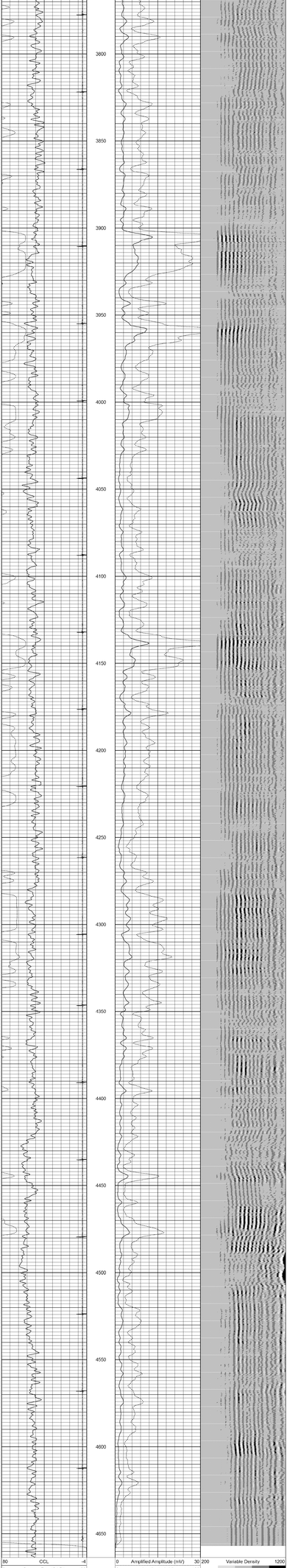

NABORS
COMPLETION & PRODUCTION SERVICES CO.

GAMMA RAY/CCL CEMENT BOND VDL

Company	KERR-MCGEE OIL AND GAS ONSHORE
Well	GREGG #1
Field	WATTENBURG
County	WELD
State	COLORADO

Company KERR-MCGEE OIL AND GAS ONSHORE
Well GREGG #1
Field WATTENBURG
County WELD State COLORADO
Location: API #: 05-123-12136 Other Services
SE/SE
SEC 12 TWP 4N RGE 68W

Permanent Datum	GRTOUND LEVEL	Elevation	4858	Elevation
Log Measured From	KELLY BUSHING, 12'			K.B. 4870
Drilling Measured From	KELLY BUSHING			D.F.
				G.L. 4858

Date	4-10-13
Run Number	ONE
Depth Driller	7173
Depth Logger	4665
Bottom Logged Interval	4664
Top Log Interval	SURFACE
Casing Size	4 1/2"
Type Fluid	WATER/FULL
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger On Bottom	
Unit Number	4367
Tool Size / ID Number	2 3/4"PROBE110808
Location	FT LUPTON
Recorded By	BRACKELSBERG
Witnessed By	JASON EISENACH

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String	4 1/2"			
Production String				
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 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

LOG CORROLATED TO PSI CBL DATED 4-2-13
WCR 46&13, W.1,N.1 INTO

Database File:	cbl anadarko gregg 1.db
Dataset Pathname:	pass3
Presentation Format:	noble en
Dataset Creation:	Wed Apr 10 09:22:15 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

Calibration Report

Database File: cbl anadarko gregg 1.db
Dataset Pathname: pass3
Dataset Creation: Wed Apr 10 09:22:15 2013 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101010

SHOP CALIBRATION Wed Feb 27 07:52:48 2013

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.6500			GAPI/cps

PRIMARY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Cement Bond Log Calibration Report

Serial Number: 110802
Tool Model: Probe275Digital
Performed: Wed Apr 10 09:13:23 2013

Depth: 2840.38 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	0.9	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.013623	0.0135254	V
Reading in Free Pipe:	2.48066	2.30596	V
Gain:	32.5475	35.4192	
Offset:	0.456603	-0.479059	