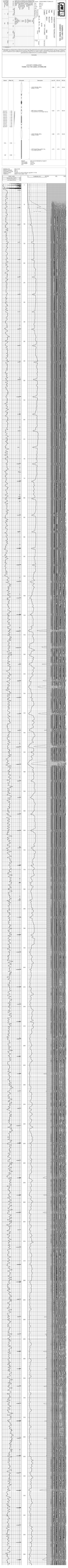

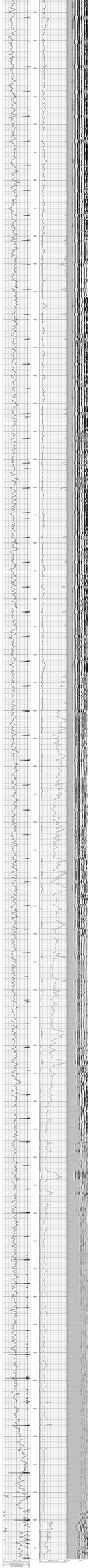

J-W WIRELINE COMPANY

GAMMA RAY CCL
CEMENT BOND VDL

Company	CONDOR ENERGY TECHNOLOGY
Well	WAVE 1H
Field	WILDCAT
County	WELD
State	COLO

Company CONDOR ENERGY TECHNOLOGY
Well WAVE 1H
Field WILDCAT
County WELD State COLO
Location: API # : 05-123-36243
SW SW
SEC 23 TWP 7N RGE 60W

Other Services

Permanent Datum
Log Measured From
Drilling Measured From
Elevation

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

Date	NOV-27-2012
Run Number	ONE
Depth Driller	--------
Depth Logger	6300
Bottom Logged Interval	6300
Top Log Interval	SURFACE
Open Hole Size	--------
Type Fluid	WATER
Density / Viscosity	--------
Max. Recorded Temp.	205
Estimated Cement Top	1054
Time Well Ready	--------
Time Logger on Bottom	--------
Equipment Number	2833
Location	STERLING
Recorded By	KYLE GIRDLER
Witnessed By	KENNY GRAHAM

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"	26#		
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 NOT CORRELATED
THANK YOU FOR USING J-W WIRELINE

Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CENT-PROBE (PR1) PROBE 2.75 CENT	2.88	2.75	25.00
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.96 11.96 11.96 11.96 11.96 11.96 11.96 11.96 11.96 11.96 10.88	RBT-Probe (4.5040904) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
		CENT-PROBE (PR1) PROBE 2.75 CENT	2.88	2.75	25.00
CCL GR	3.92 0.89	GR-Probe275dig (pr051112) Probe Digital Gamma CCL	4.75	2.75	57.00

Dataset: wave 1h.db: field/well/run1/pass11
Total Length: 19.42 ft
Total Weight: 197.00 lb
O.D. 2.75 in

Database File:	wave 1h.db
Dataset Pathname:	pass11
Presentation Format:	scbl_dr
Dataset Creation:	Tue Nov 27 14:53:14 2012 by Log SCH 111116
Charted by:	Depth in Feet scaled 1:240

Calibration Report

Database File: wave 1h.db
Dataset Pathname: pass11
Dataset Creation: Tue Nov 27 14:53:14 2012 by Log SCH 111116

Gamma Ray Calibration Report

Type / Serial: Probe275dig / pr051112

SHOP CALIBRATION Tue Nov 27 14:55:02 2012

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.7000			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

Segmented Cement Bond Log Calibration Report

Serial Number:	4.5040904	
Tool Model:	Probe	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	654.308	ft

Master Calibration, performed Tue Nov 27 15:29:03 2012:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	2.006	1.000	62.165	30.497	1.000
CAL	0.000	2.168				
5'	0.000	2.022	2.000	62.165	29.758	2.000
SUM						
S1	0.000	1.941	0.000	100.000	51.508	0.000
S2	0.000	1.943	0.000	100.000	51.473	0.000
S3	0.000	1.931	0.000	100.000	51.785	0.000
S4	0.000	1.985	0.000	100.000	50.384	0.000
S5	0.000	2.051	0.000	100.000	48.746	0.000
S6	0.000	2.070	0.000	100.000	48.305	0.000
S7	0.000	2.031	0.000	100.000	49.237	0.000
S8	0.000	1.986	0.000	100.000	50.344	0.000

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	2.168	1.000	0.000

Air Zero Calibration, performed Tue Nov 17 13:36:52 2009:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000