Company	PASS CREEK RESOURCES
Well	CLAR #L-5
Field	ADENA
County	MORGAN
State	COLORADO

KLX Energy Services

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

Company PASS CREEK RESOURCES

Well CLAR #L-5

Field ADENA

County MORGAN State COLORADO

Location: API # : 05-087-05267

SE SW SW

SEC 13 TWP 1N RGE 58W

Other Services

Permanent Datum	GL	Elevation	4576	Elevation
Log Measured From	KB			K.B. 4588
Drilling Measured From	KB			D.F. 4587
				G.L. 4576

Date	19-SEPT-2018
Run Number	ONE
Depth Driller	5808'
Depth Logger	5760'
Bottom Logged Interval	5759'
Top Log Interval	2900'
Open Hole Size	7-7/8"
Type Fluid	WATER
Density / Viscosity	8.34 PPG
Max. Recorded Temp.	N/A
Estimated Cement Top	4800'
Time Well Ready	AM
Time Logger on Bottom	13:23
Equipment Number	68
Location	STERLING
Recorded By	HOBBS
Witnessed By	CHANDLER

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8-5/8"	24#	SURFACE	98'
Prot. String				
Production String	5-1/2"	14#	SURFACE	5804'
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

THANK YOU FOR USING KLX ENERGY SERVICES

CORRECTED TO ELECTRICAL LOG DATED 7-1-54

Calibration Report

Database File: pcr_clar_l.db
Dataset Pathname: pass3
Dataset Creation: Wed Sep 19 13:06:12 2018 by Log Std Casedhole 10081

Gamma Ray Calibration Report

Serial Number: 275
Tool Model: Probe
Performed: Thu Aug 07 08:00:19 2008

Calibrator Value: 100.0 GAPI

Background Reading: 35.0 cps
Calibrator Reading: 160.0 cps

Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 1307-48
Tool Model: Probe LT Radii

Calibration Casing Diameter: 5.500 in
Calibration Depth: 3926.400 ft

Master Calibration, performed Wed Sep 19 13:15:38 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.000	0.819	1.500	71.921	85.949	0.205
CAL	-0.000	1.145				
5'	-0.000	0.682	1.500	71.921	103.195	1.510
SUM						
S1	-0.000	0.829	2.000	100.000	118.246	2.014
S2	-0.000	0.811	2.000	100.000	120.775	2.013
S3	-0.000	0.805	2.000	100.000	121.746	2.007
S4	-0.000	0.817	2.000	100.000	119.932	2.020
S5	-0.000	0.821	2.000	100.000	119.392	2.007
S6	-0.000	0.811	2.000	100.000	120.808	2.006
S7	-0.000	0.808	2.000	100.000	121.215	2.009
S8	-0.000	0.801	2.000	100.000	122.369	2.006

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	1.145	1.000	0.000

Air Zero Calibration, performed Wed Dec 31 17:00:00 1969:

	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

KLX Energy Services

Clar #L-5

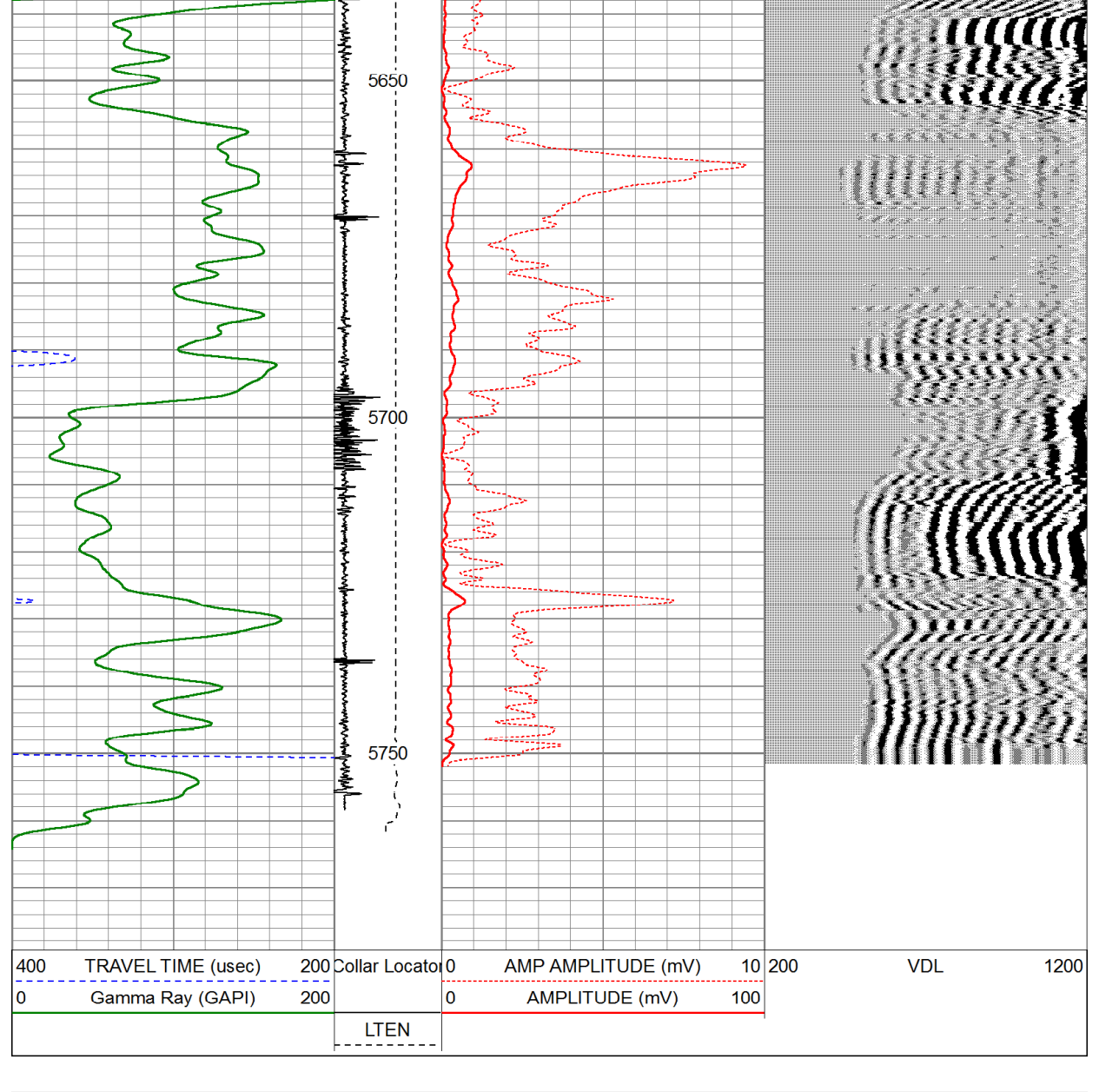
API # 05.087.05267
MAIN PASS

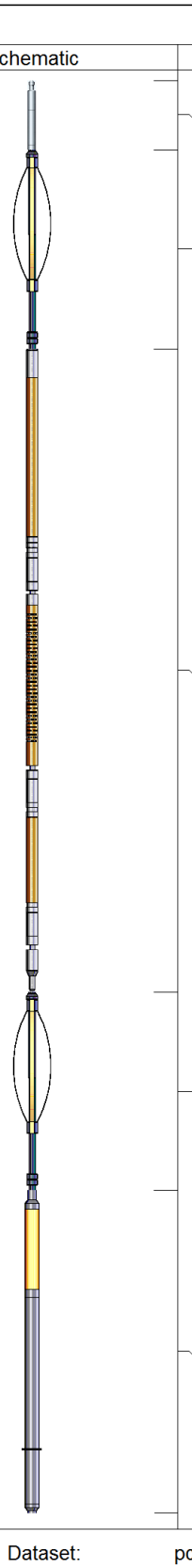
Database File: pcr_clar_l-5#.db
Dataset Pathname: pass2
Presentation Format: tecko_gw
Dataset Creation: Wed Sep 19 13:25:15 2018 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

KLX Energy Services

REPEAT PASS

Database File: pcr_clar_l-5#.db
Dataset Pathname: pass1
Presentation Format: tecko_gw
Dataset Creation: Wed Sep 19 13:20:34 2018 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240





Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		STNDRD Standard Cable Head	1.00	1.69	3.00
		PTS275	2.83	2.75	
WVF3FT	11.67	RBT-Probe LT Radii (1307-48) RADII LT	9.17	2.75	106.50
WVFCAL	11.67				
WVFS1	11.67				
WVFS2	11.67				
WVFS3	11.67				
WVFS4	11.67				
WVFS5	11.67				
WVFS6	11.67				
WVFS7	11.67				
WVFS8	11.67				
WVF5FT	10.67				
		PTS275	2.83	2.75	
CCL	3.64	GR-Probe (275) Probe 2.75" 4 Channel Pulse	4.58	2.75	30.00
GR	0.90				

Dataset: pcr_clar_l-5#.db: field/well/run1/pass2
Total Length: 20.42 ft
Total Weight: 139.50 lb
O.D.: 2.75 in