VDL, CCL, GAMMA RAY CEMENT BOND LOG

KLX Energy Services

Company	CRESTONE PEAK RESOURCES
Well	VESSELS MINERALS 24-19
Field	WATTENBERG
County	WELD
State	COLORADO
Country	USA

Company	CRESTONE PEAK RESOURCES
Well	VESSELS MINERALS 24-19
Field	WATTENBERG
County	WELD
State	COLORADO
Country	USA
Location:	API # : 05-123-23018
	SEC 19 TWP 1N RGE 68W
Other Services	N/A
Permanent Datum	GL
Elevation	5061'
Log Measured From	KB
Drilling Measured From	KB
Elevation	K.B. 5073' D.F. 5072' G.L. 5061'

Date	14-NOV-2017
Run Number	ONE
Depth Driller	8550'
Depth Logger	1738'
Bottom Logged Interval	1724'
Top Log Interval	750'
Open Hole Size	7.75'
Type Fluid	WATER
Density / Viscosity	8.4
Max. Recorded Temp.	N/A
Estimated Cement Top	1708'
Time Well Ready	15:00
Time Logger on Bottom	16:00
Equipment Number	68
Location	PLATTEVILLE
Recorded By	C. SCHAAF
Witnessed By	C. RAYAS

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8-5/8"	36#	SURFACE	882'
Prot. String				
Production String	4.5"	11.6#	SURFACE	8550'
Liner				

<<< 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.

Comments

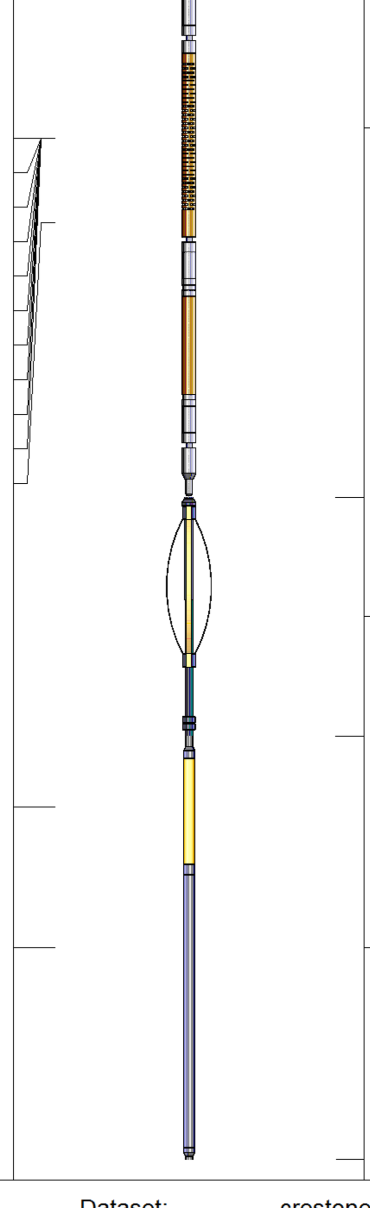
LOG RAN AS PER CUSTOMER REQUEST
LOG RAN WITH 0 PSI SURFACE INDUCED PRESSURE
DEPTH REFERENCE TO 12FT KB
TOOLSTRING RUN WITH TWO (2) X INLINE CENTRALIZERS

THANK YOU FOR CHOOSING KLX ENERGY SERVICES

Database File:	crestonepeak_cbl_111417.db
Dataset Pathname:	pass10
Presentation Format:	cbl_drs
Dataset Creation:	Tue Nov 14 16:20:02 2017 by Log Std Casedhole 10081
Charted by:	Depth in Feet scaled 1:240

400 TRAVEL TIME (usec) 200	Collar Locator	0 AMP AMPLITUDE (mV) 10	200 VDL 1200
0 Gamma Ray (GAPI) 150	-1 9	0 AMPLITUDE (mV) 100	
	LTEN 0 (lb) 2000		

400 TRAVEL TIME (usec) 200	Collar Locator	0 AMP AMPLITUDE (mV) 10	200 VDL 1200
0 Gamma Ray (GAPI) 150	-1 9	0 AMPLITUDE (mV) 100	
	LTEN 0 (lb) 2000		

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.69	3.00
			PTS275	2.83	2.75	
WVF3FT	12.08		RBT-Probe LT Radii (1307-48) RADII LT	8.75	2.75	106.50
WVFCAL	12.08					
WVFS1	12.08					
WVFS2	12.08					
WVFS3	12.08					
WVFS4	12.08					
WVFS5	12.08					
WVFS6	12.08					
WVFS7	12.08					
WVFS8	12.08					
WVF5FT	11.08					
			PTS275	2.83	2.75	
CCL	4.17					
GR	2.50		GR-Probe275dig (080221) Probe 2.75 High Temperature	5.00	2.75	57.00

Dataset:	crestonepeak_cbl_111417.db: field/well/run1/pass11
Total Length:	20.42 ft
Total Weight:	166.50 lb
O.D.	2.75 in

KLX Energy Services

Company	CRESTONE PEAK RESOURCES
Well	VESSELS MINERALS 24-19
Field	WATTENBERG
County	WELD
State	COLORADO
Country	USA