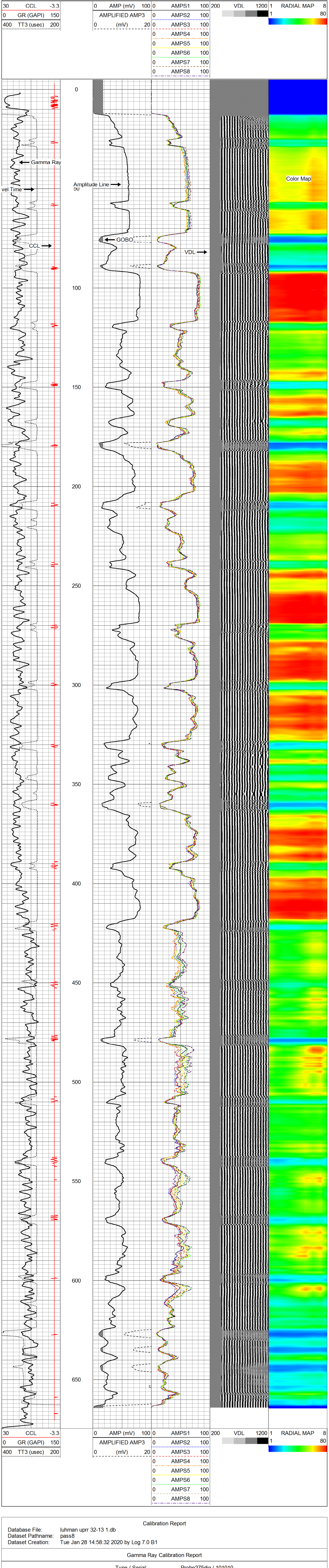


CompanyANADARKO PETROLEUM CORP.		WellLUHMAN UPRR 32-13 1	
FieldWATTENBERG		CountyWELD	
StateCOLORADO		Location:API #: 05-123-12356	
Other Services		SW / NE	
SEC 13	TWP 3N	RGE 68W	Elevation
GL	KB		K.B. 5035'
Log Measured From	KB		D.F. 5035'
Drilling Measured From	KB		G.L. 5025'
DateJanuary 28, 2020			
Run NumberOne			
Depth Driller7548'			
Bottom Logged Interval675'			
Top Log IntervalSurface			
Casing Size4 1/2			
Type FluidWater			
Max. Recorded Temp.NA			
Estimated Cement Top---			
Time Well Ready2:00pm			
Time Logger On Bottom2:19pm			
Unit Number2:00954			
Tool Size / ID Number2 3/4 NBO			
Logging CO			
Recorded By			
Witnessed By			
Boothole Record	Bit	From	To
Tubing Record		Weight	From
		To	
Casing Record	Size	Wgt/Ft	Bottom
Surface String	8 9/8	24#	Surface
Prod. String	4 1/2	12.75#	Surface
Production String			7545'

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 Casedhole Solutions!
Log ran with 11' KB
Log ran with 0 PSI



SHOP CALIBRATION		Fri Dec 28 09:41:10 2018					
Background	Counts/Sec.	0.0	Gain	Offset	Jig	Units	
Calibrator	1.0					cps	
			0.6500			cps	
						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:		101020					
Tool Model:		Probe					
Calibration Casing Diameter:		4.500	in				
Calibration Depth:		107.092	ft				
Master Calibration, performed Tue Jan 28 14:54:51 2020:							
	Raw (v)		Calibrated (mv)		Results		
	Zero	Cal	Zero	Cal	Gain	Offset	
3'	-0.012	1.482	1.500	81.196	53.345	2.128	
CAL	-0.012	0.446					
5'	-0.012	1.360	1.500	81.196	58.102	2.197	
SUM							
S1	-0.012	1.524	0.000	81.921	53.327	0.639	
S2	-0.012	1.452	0.000	81.921	55.978	0.655	
S3	-0.012	1.370	0.000	81.921	59.284	0.693	
S4	-0.012	1.365	0.000	81.921	59.508	0.708	
S5	-0.012	1.402	0.000	81.921	57.965	0.680	
S6	-0.012	1.463	0.000	81.921	55.555	0.654	
S7	-0.012	1.520	0.000	81.921	53.474	0.621	
S8	-0.012	1.527	0.000	81.921	53.235	0.637	

Internal Reference Calibration, performed Fri Jan 13 14:30:16 2012:							
	Raw (v)		Calibrated (v)		Results		
	Zero	Cal	Zero	Cal	Gain	Offset	
CAL	0.000	0.000	-0.012	0.446	1.000	0.000	

Air Zero Calibration, performed Tue Feb 25 13:16:04 2014:							
	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		