RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL

Company	Ensign Well Service
Well	Peppersham 34-26
Field	Wattenberg
County	Weld
State	Colorado
Location	Sec 26 Twp 1N Rge 67W
Date	10/5/2020
Run Number	1
Depth Driller	7,840
Depth Logger	7,840
Bottom Logged Interval	7,840
Top Logged Interval	100
Casing Driller	4.500 @ 7,840
Casing Logger	4.500 @ 7,840
Bit Size	3.875
Type Fluid in Hole	WBM
Density / Viscosity	8.4 / 40
pH / Fluid Loss	9.5 / 5.6
Source of Sample	Pit
Rm @ Meas Temp	0.1 @ 70
Rmf @ Meas Temp	0.1 @ 70
Rmc @ Meas Temp	0.1 @ 70
Source of Rmf / Rmc	Pit / Pit
Rm @ BHT	0.1 @ 70
Time Circ. Stopped	10:00
Time Logger on Bottom	11:45
Maximum Recorded Temp	70
Equipment / Base	1
Recorded By	Jeff Hall
Witnessed By	Jeff Hall

Run 1 Field Data >>>

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.

WARRIOR 7.1 SOFTWARE_ Comments

THIS LOG WAS CORRELATED TO SURFACE WITH KB 10'
MAIN PASS SCALE IS 5"=100'
CSG PSI = STATIC MAIN PASS

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Main Pass

Database File: 10102020_ensign_peppersham_34_26.db
Dataset Pathname: pass14:1
Presentation Format: Main
Dataset Creation: Thu Dec 10 16:23:45 2020 by Calc. GCH 120430
Charted by: Depth in Feet scaled 1:240

in	100	LTEN 0	AMPLI (mV) 20,200	VOL 1200
ZT	CCL 3.0	(lb/1000) 0	AMP (mV) 100	
		360	TT (usec) 160	

in	750	LTEN 0	AMPLI (mV) 20,200	VOL 1200
ZT	CCL 3.0	(lb/1000) 0	AMP (mV) 100	
		360	TT (usec) 160	

Log Variables

Database C:\Warrior\Data\121020\0_ensign_peppersham_34_26.db
Dataset: fieldtest\run1\pass14:1

Tops - Bottom

PPT (ppg)	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN dB/ft	CASOD in	PERFS ft	TOEPTH ft
0	10.5	81.2	1	0.8	4.5	0	1020

BOTTSHT deg F	BOREID in
0	7.875

Calibration Report

Database File: 121020/0_ensign_peppersham_34_26.db
Dataset Pathname: pass14:1
Dataset Creation: Thu Dec 10 16:23:45 2020 by Calc. GCH 120430

Segmented Cement Bond Log Calibration Report

Serial Number: TEKCO204_3024
Tool Model: SGDL

Calibration Casing Diameter: 4.500 in
Calibration Depth: 2880.708 ft

Master Calibration, performed Thu Dec 10 16:23:43 2020:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
7	0.565	0.864	1.000	81.196	93.349	0.508
CAL	0.000	0.001				
7	0.565	0.864	1.000	81.196	57.710	0.641
SUM						
S1	0.032	0.998	0.000	100.000	103.525	-1.352
S2	0.032	0.998	0.000	100.000	107.534	-1.402
S3	0.038	0.998	0.000	100.000	108.834	-1.140
S4	0.038	0.998	0.000	100.000	107.534	-1.402
S5	0.070	1.046	0.000	100.000	102.199	-7.142
S6	0.070	1.046	0.000	100.000	107.534	-4.604
S7	0.039	0.978	0.000	100.000	107.534	-4.604
S8	0.039	0.978	0.000	100.000	106.433	-4.119

Internal Reference Calibration, performed Tue Feb 05 15:47:36 2008:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.951	1.000	0.000

Air Zero Calibration, performed Fri Dec 04 12:46:50 2020:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
7	0.000	0.000	0.000
SUM	0.000	0.000	0.000
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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.43	2.00
CCL	19.29		CCL (2.75 ITEKCO) 2.75 TEKCO CCL	1.83	2.75	10.00
			TITAN_234 Titanic 2 Cal Accoustimatic-GSH7	2.92	2.75	25.00
WVF01	11.60					
WVF02	11.60					
WVF03	11.60		SGBLTEKCO-TEKCO (TEKCO234_3024) 9.08	2.75	50.00
WVF04	11.60		Tekco 2 3/4" Radial Bond			
WVF05	11.60					
WVF06	11.60					
WVF07	11.60					
WVF08	11.60					
WVF3FT	10.87					
WVF3FT	9.85					
WVFCAL	6.00					
WVF07AC	6.00					
			TITAN_234 Titanic 2 Cal Accoustimatic-GSH7	2.92	2.75	25.00
GR	1.00		GR(TEKCOGSH (TEKCOGSH234_3115) Tekco 2 3/4" Gamma Ray	3.69	2.75	20.00

Dataset: 121020/0_ensign_peppersham_34_26.db fieldtest\run1\pass14:1
Total Length: 21.43 ft
Total Weight: 204.00 lb
O.D. 2.75 in

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