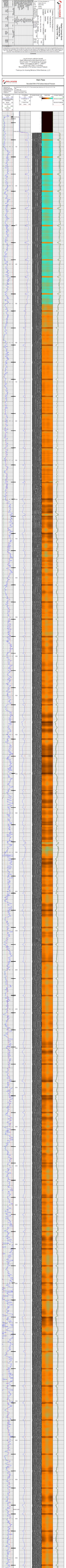
Main Pulse
Recorded Mode 3 RBT Measurement
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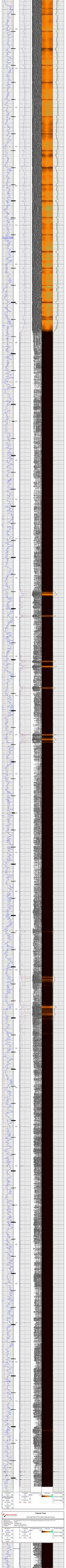

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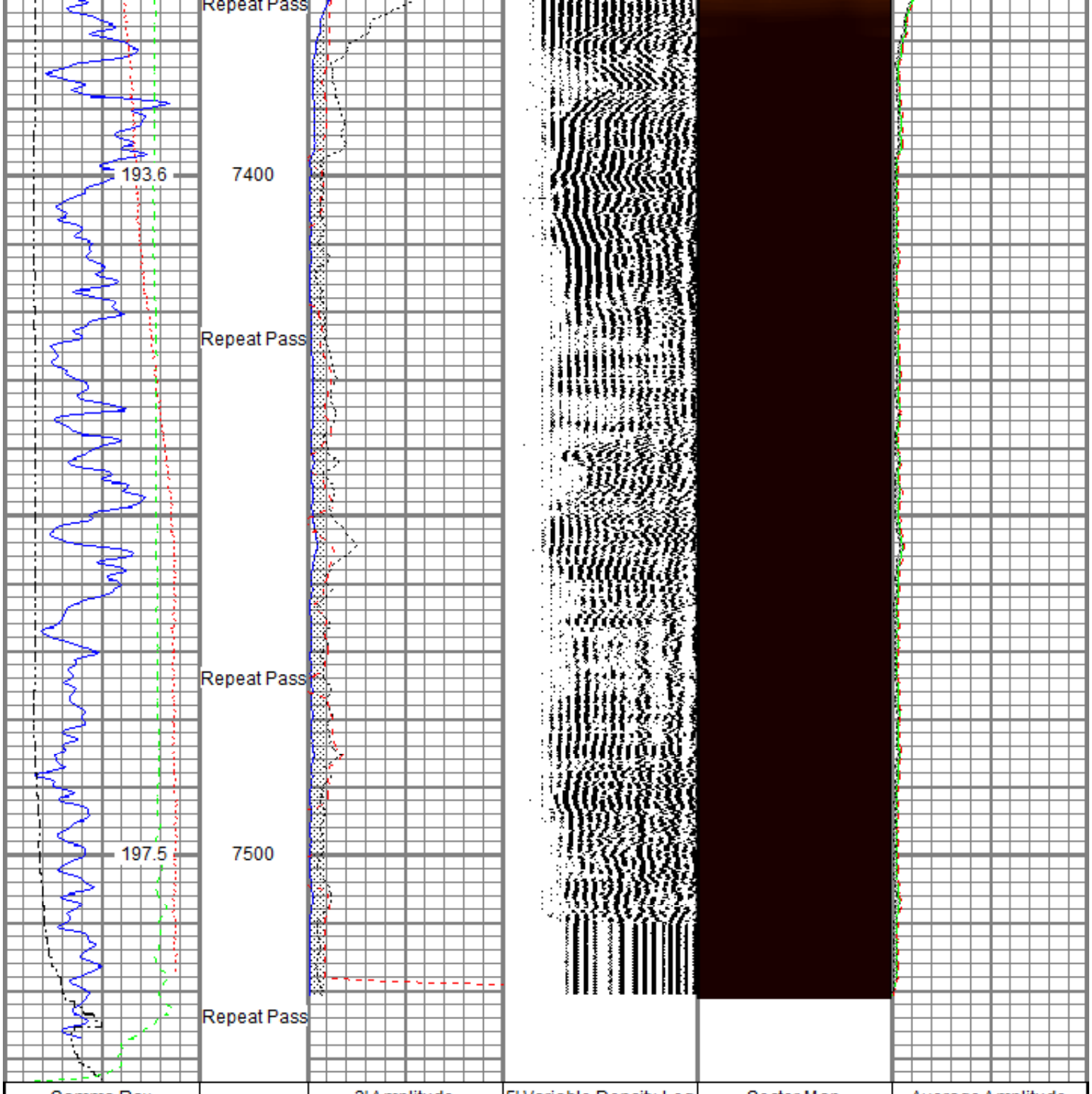

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan_Electric_Cable_Heads-Titan_1-11 Electric Cable Head with 1" Fishing Neck	1.03	1.69	5.40
			DSS_RAC-RAC_5-Arm 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00
HeadVolt	18.84					
Temp	16.05					
			Probe_RADII-C-P_RBT_2750 (FW1311-0 Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	19.19	2.75	105.00
WVFS8	13.88					
WVFS7	13.88					
WVFS6	13.88					
WVFS5	13.88					
WVFS4	13.88					
WVFS3	13.88					
WVFS2	13.88					
WVFS1	13.88					
WVFCAL	13.88					
WVF3FT	13.88					
WVF5FT	12.88					
HEADVOLT	9.63					
			DSS_RAC-RAC_5-Arm 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00
CCL	6.18					
			Probe_GR-CCL_ANL-P_CGR_2750_ANL-(Probe 2.75" Analog 4 Channel Pulse CCL / Gamma Ray Combined	4.54	2.75	55.00
GR	3.44					
			DSS_RAC-RAC_5-Arm 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00

Dataset:	PROCESSED_TEP_Federal GM 43-10_RBL_10-15-17.db: field/well/run1/main
Total length:	22.40 ft
Total weight:	261.40 lb
O.D.:	2.75 in

Calibration Report

Database File	C:\ProgramData\Warrior\Data\TEP_Federal GM 43-10_RBL_10-15-17\PROCESSED_TEP_Federal GM 43-1
Dataset Pathname	main
Dataset Creation	Sun Oct 15 14:59:58 2017

Gamma Ray Calibration Report

Serial Number:	FW1305-083	
Tool Model:	P_CGR_2750_ANL	
Performed:	(Not Performed)	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1311-014	
Tool Model:	P_RBT_2750	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	423.425	ft

Master Calibration, performed Sun Oct 15 10:29:12 2017:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.005	0.577	0.800	81.196	137.962	1.541
CAL	-0.006	0.767				
5'	-0.001	0.590	0.800	81.196	135.957	0.989
SUM						
S1	-0.008	0.567	0.000	100.000	174.065	1.360
S2	-0.004	0.611	0.000	100.000	162.562	0.697
S3	-0.005	0.643	0.000	100.000	154.409	0.748
S4	-0.005	0.648	0.000	100.000	153.187	0.757
S5	-0.005	0.617	0.000	100.000	160.725	0.795
S6	-0.005	0.587	0.000	100.000	168.883	0.837
S7	-0.005	0.554	0.000	100.000	178.951	0.915
S8	-0.005	0.544	0.000	100.000	182.328	0.859

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.006	0.767	1.000	0.000

Air Zero Calibration, performed Sun Oct 15 07:47:39 2017:

	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

RELIANCE

Company	TEP Rocky Mountain LLC
Well	Federal GM 43-10
Field	Grand Valley
County	Garfield
State	Colorado