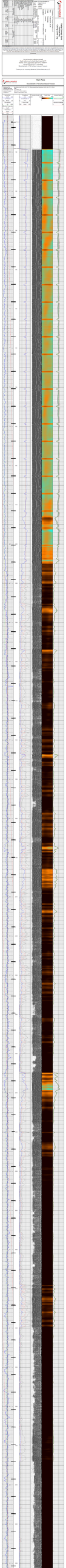
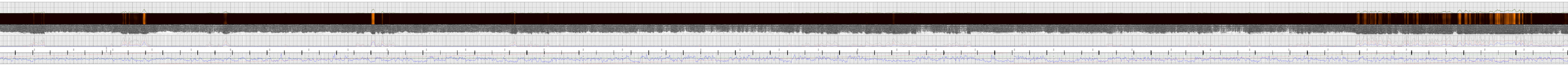
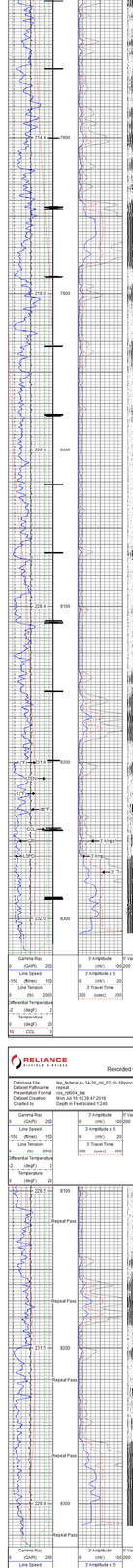

Main Pass
Recorded with ECLIPS Integrated Wireline Services
Gamma Ray (GR)
Caliper (CALI)
Bit Size (BS)
Deep Resistivity (RT)
Medium Resistivity (RM)
Shallow Resistivity (RS)
Neutron Porosity (NPHI)
Density Porosity (RHOB)
Photoelectric Factor (PEF)
Delta Rho (DRHO)
Spectral Gamma Ray (SGR)
Potassium (POTA)
Thorium (THOR)
Uranium (URAN)
Acoustic Compressional Slowness (DTC)
Acoustic Shear Slowness (DTS)
Acoustic Stoneley Slowness (DTST)
Acoustic Porosity (APLC)
Gamma Ray (GR)
Caliper (CALI)
Bit Size (BS)
Deep Resistivity (RT)
Medium Resistivity (RM)
Shallow Resistivity (RS)
Neutron Porosity (NPHI)
Density Porosity (RHOB)
Photoelectric Factor (PEF)
Delta Rho (DRHO)
Spectral Gamma Ray (SGR)
Potassium (POTA)
Thorium (THOR)
Uranium (URAN)
Acoustic Compressional Slowness (DTC)
Acoustic Shear Slowness (DTS)
Acoustic Stoneley Slowness (DTST)
Acoustic Porosity (APLC)



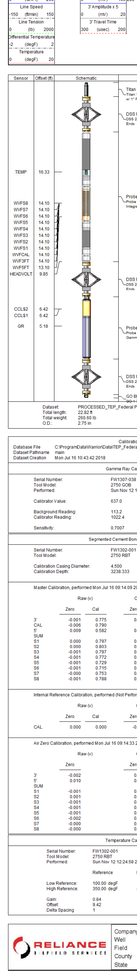


RELIANCE
DIRECTIONAL SERVICES

Repeat Pass

Recorded with 0 PSI Surface Induced Pressure

Database File	tep_federal pa 34-26_rst_07-15-18\processed_tep_federal pa 34-26_rst_07-15-18.db
Dataset Pathname	repeat
Presented Format	rst_4604_hiz
Dataset Creation	Mon Jul 16 10:29:47 2018
Charted by	Depth in Feet scaled 1:240



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan CHD-143275 GO CHD 3.5-4" Hydraulic Electric Cable Head +/- Fishing Neck	1.03	1.44	3.50
			DSS RAC-2750-5A GO DSS 2.5-4" Rotor X-Arm Centralizer w/ GO Ends	2.55	2.75	32.00
TEMP	16.33					
WVFSB WVFST WVFSB WVFST WVFSA WVFSI WVFSA WVFSI WVFCAL WVFSRT WVFSFT HEADVOLT	14.10 14.10 14.10 14.10 14.10 14.10 14.10 14.10 14.10 14.10 12.19 9.85		Probe Radx-2750 RBT (FW1302-001) Probe 2.5-4" Radial Cement Bond Tool with Integral Temperature Sub	9.39	2.75	105.00
			DSS RAC-2750-5A GO DSS 2.5-4" Rotor X-Arm Centralizer w/ GO Ends	2.55	2.75	32.00
CCL3D CCL3S GR	6.42 6.42 5.18		Probe GR-CCL-2750 GOB (FW1307-039) GR-CCL Probe with Side Entry Collision Gamma Ray/CCL Combined	4.51	2.75	55.00
			DSS RAC-2750-5A GO DSS 2.5-4" Rotor X-Arm Centralizer w/ GO Ends	2.55	2.75	32.00
			GO Wrt-14375 GO 3.75-4" Bull Nose with Bar Bull Plug	0.25	1.44	1.00

Dataset	PROCESSED_TEP_Federal PA 34-26_RBL_07-15-18.db fieldwidthuf.tmain
Total length	22.62 ft
Total weight	249.00 lb
O.D.	2.75 in

Calibration Report

Database File	C:\Program\Data\tmain\DataTEP_Federal PA 34-26_RBL_07-15-18\PROCESSED_TEP_Federal PA 34-26_RBL_07-15-18.db
Dataset Pathname	main
Dataset Creation	Mon Jul 16 10:43:42 2018

Gamma Ray Calibration Report

Serial Number:	FW1307-039	
Tool Model:	2750 GOB	
Performed:	Sun Nov 12 11:44:12 2017	
Calibrator Value:	637.0	GAPI
Background Reading:	113.2	cps
Calibrator Reading:	1022.4	cps
Sensitivity:	0.7007	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1302-001	
Tool Model:	2750 RBT	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	3238.333	ft

Master Calibration, performed Mon Jul 16 09:14:09 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.001	0.775	0.000	81.195	103.597	-0.086
CAL	-0.006	0.790				
5'	0.000	0.582	0.000	81.195	140.329	-0.476
SUM						
51	0.000	0.797	0.000	100.000	125.468	-0.021
52	0.000	0.803	0.000	100.000	124.579	-0.029
53	-0.001	0.797	0.000	100.000	125.458	0.063
54	-0.001	0.797	0.000	100.000	125.458	0.063
55	-0.001	0.729	0.000	100.000	134.976	0.135
56	-0.001	0.771	0.000	100.000	129.774	0.131
57	-0.000	0.753	0.000	100.000	132.769	0.071
58	-0.001	0.788	0.000	100.000	126.882	0.071

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.006	0.790	1.000	0.000

Air Zero Calibration, performed Mon Jul 16 09:14:33 2018:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	-0.002	0.000	0.001
5'	0.010	0.000	0.000
SUM			
51	-0.001	0.000	0.001
52	-0.001	0.000	0.000
53	-0.001	0.000	0.001
54	-0.001	0.000	0.001
55	-0.001	0.000	0.000
56	-0.002	0.000	0.001
57	-0.000	0.000	0.000
58	-0.000	0.000	0.000

Temperature Calibration Report

Serial Number:	FW1302-001	
Tool Model:	2750 RBT	
Performed:	Sun Nov 12 12:44:59 2017	
	Reference	Reading
Low Reference:	100.00 degF	107.47 degF
High Reference:	350.00 degF	404.08 degF
Gain:	0.84	
Offset:	9.42	
Delta Spacing:	1	

RELIANCE
DIRECTIONAL SERVICES

Company	TEP Rocky Mountain LLC
Well	Federal PA 34-26
Field	Parachute
County	Garfield
State	Colorado