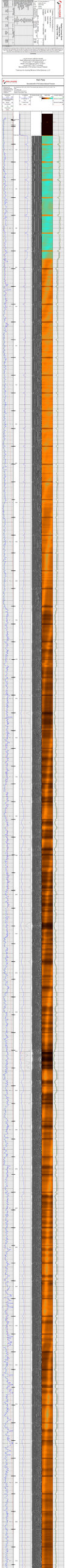
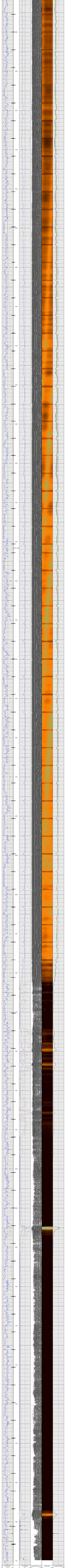
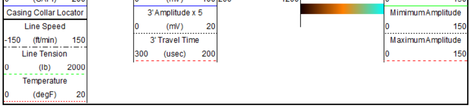

Mud Log Interval
Gas Ratio Curve
Lithology Curve
Gas Units
Lithology
Sample Description
Drilling Rate
Gamma Ray
Resistivity
Porosity
Gas Ratio



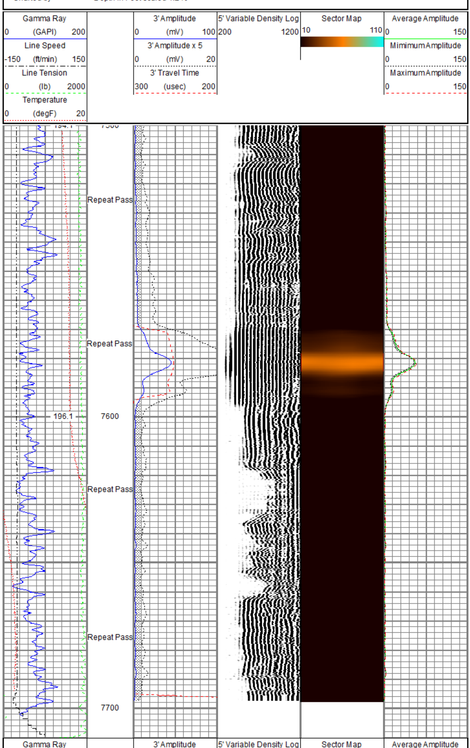


RELIANCE WIRELINE SERVICES

Repeat Pass

Recorded with 0 PSI Surface Induced Pressure

Database File	tep_federal gm 323-4_rbl_10-29-17\processed_tep_federal gm 323-4_rbl_10-29-17.db
Dataset Pathname	Repeat
Presentation Format	ros_rpt004_tep
Dataset Creation	Sun Oct 29 07:29:38 2017
Charted by	Depth in Feet scaled 1:240



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	11.03	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 (FW1305-099 "Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	9.19	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
DCCL	6.18					
CCL	6.18					
GR	4.96					
			Probe_GR_CCL-P_CGR_2750_S (FW1214-541) "Probe 2-3/4" Digital CCL / Gamma Ray Combined	2.75	2.75	55.00
			DSS_RAC-RAC_5-Arm "5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00

Dataset:	PROCESSED_TEP_Federal GM 323-4_RBL_10-29-17.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 323-4_RBL_10-29-17\PROCESSED_TEP_Federal GM 323-
Dataset Pathname	Main
Dataset Creation	Sun Oct 29 07:32:50 2017

Gamma Ray Calibration Report

Serial Number:	FW1211-081	
Tool Model:	P_CGR_2750_S	
Performed:	Sat Feb 06 11:31:52 2016	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.6	cps
Sensitivity:	0.6061	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1305-098	
Tool Model:	P_RBT_2750	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	32.745	ft

Master Calibration, performed Sun Oct 29 06:58:07 2017:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.002	0.852	0.800	81.196	94.152	1.023
CAL	0.755	0.829				
5'	0.001	0.697	0.800	81.196	115.407	0.741
SUM						
S1	-0.008	0.871	0.000	100.000	113.779	0.904
S2	-0.005	0.907	0.000	100.000	109.658	0.542
S3	-0.006	0.913	0.000	100.000	108.799	0.622
S4	-0.006	0.896	0.000	100.000	110.854	0.624
S5	-0.006	0.867	0.000	100.000	114.617	0.652
S6	-0.006	0.840	0.000	100.000	118.238	0.677
S7	-0.006	0.824	0.000	100.000	120.511	0.728
S8	-0.005	0.823	0.000	100.000	120.655	0.655

Internal Reference Calibration, performed Fri May 05 10:29:14 2017:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.755	0.829	1.000	0.000

Air Zero Calibration, performed Sun Oct 29 06:56:42 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 WIRELINE SERVICES

Company	TEP Rocky Mountain LLC
Well	Federal GM 323-4
Field	Grand Valley
County	Garfield
State	Colorado