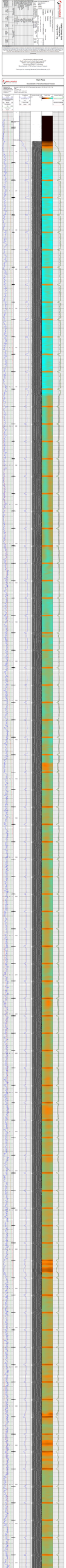
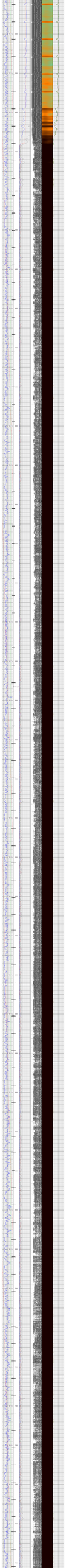
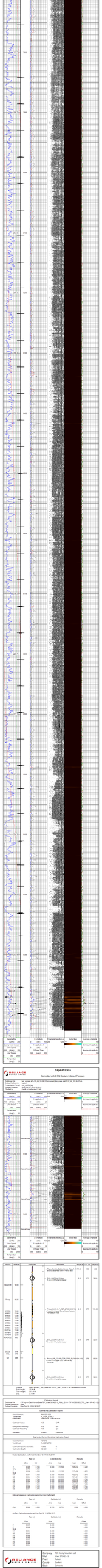

Main Pipe
Recorded with SPECTRALOG 3 at 1800 ft/hr
Gamma Ray (GR)
Caliper (CALI)
Resistivity (RES)
Neutron Porosity (NPHI)
Density (RHOB)
Photoelectric Factor (PEF)
Delta Rho (DRHO)
Spectral Gamma Ray (SGR)
Thorium (THOR)
Potassium (POTA)
Uranium (URAN)
Acoustic Velocity (AVEL)
Acoustic Impedance (AIMP)
Shear Velocity (SVEL)
Poisson's Ratio (PR)
Vp/Vs Ratio (VPVS)
Bulk Density (BDCAL)
Photoelectric Factor (PEFCAL)
Delta Rho (DRHOCAL)
Neutron Porosity (NPHICAL)
Gamma Ray (GR)
Caliper (CALI)
Resistivity (RES)
Neutron Porosity (NPHI)
Density (RHOB)
Photoelectric Factor (PEF)
Delta Rho (DRHO)
Spectral Gamma Ray (SGR)
Thorium (THOR)
Potassium (POTA)
Uranium (URAN)
Acoustic Velocity (AVEL)
Acoustic Impedance (AIMP)
Shear Velocity (SVEL)
Poisson's Ratio (PR)
Vp/Vs Ratio (VPVS)
Bulk Density (BDCAL)
Photoelectric Factor (PEFCAL)
Delta Rho (DRHOCAL)
Neutron Porosity (NPHICAL)
Main Pipe
Recorded with SPECTRALOG 3 at 1800 ft/hr





Repeat Pass

Recorded with 0 PSI Surface Induced Pressure

log_stack 6-DEC-17_05_PLTR-TDI-Interval_Acq_stack 6-DEC-17_05_PLTR-TDI

Dataset Pathname	log_stack 6-DEC-17_05_PLTR-TDI-Interval_Acq_stack 6-DEC-17_05_PLTR-TDI
Dataset Creation	6-DEC-17 05:22:27
Dataset Last Closed	6-DEC-17 05:22:27
Logging Software Version	8C0-976

Survey Run	1 Inclinometry	2 Inclinometry Corrected	Survey Run
Survey Start	0.000	0.000	Survey Start
Survey End	0.000	0.000	Survey End
Survey Length	0.000	0.000	Survey Length
Survey Step	0.000	0.000	Survey Step
Survey Direction	Down	Down	Survey Direction
Survey Type	Main Survey	Main Survey	Survey Type
Survey Status	Normal	Normal	Survey Status
Survey Comment			Survey Comment
Survey Start Depth	0.000	0.000	Survey Start Depth
Survey End Depth	0.000	0.000	Survey End Depth
Survey Length	0.000	0.000	Survey Length
Survey Step	0.000	0.000	Survey Step
Survey Direction	Down	Down	Survey Direction
Survey Type	Main Survey	Main Survey	Survey Type
Survey Status	Normal	Normal	Survey Status
Survey Comment			Survey Comment
Temperature	0.000	0.000	Temperature
Temperature Unit	degF	degF	Temperature Unit

Survey Run	3 Inclinometry	4 Inclinometry Corrected	Survey Run
Survey Start	0.000	0.000	Survey Start
Survey End	0.000	0.000	Survey End
Survey Length	0.000	0.000	Survey Length
Survey Step	0.000	0.000	Survey Step
Survey Direction	Down	Down	Survey Direction
Survey Type	Main Survey	Main Survey	Survey Type
Survey Status	Normal	Normal	Survey Status
Survey Comment			Survey Comment
Survey Start Depth	0.000	0.000	Survey Start Depth
Survey End Depth	0.000	0.000	Survey End Depth
Survey Length	0.000	0.000	Survey Length
Survey Step	0.000	0.000	Survey Step
Survey Direction	Down	Down	Survey Direction
Survey Type	Main Survey	Main Survey	Survey Type
Survey Status	Normal	Normal	Survey Status
Survey Comment			Survey Comment
Temperature	0.000	0.000	Temperature
Temperature Unit	degF	degF	Temperature Unit

Survey Run	5 Inclinometry	6 Inclinometry Corrected	Survey Run
Survey Start	0.000	0.000	Survey Start
Survey End	0.000	0.000	Survey End
Survey Length	0.000	0.000	Survey Length
Survey Step	0.000	0.000	Survey Step
Survey Direction	Down	Down	Survey Direction
Survey Type	Main Survey	Main Survey	Survey Type
Survey Status	Normal	Normal	Survey Status
Survey Comment			Survey Comment
Survey Start Depth	0.000	0.000	Survey Start Depth
Survey End Depth	0.000	0.000	Survey End Depth
Survey Length	0.000	0.000	Survey Length
Survey Step	0.000	0.000	Survey Step
Survey Direction	Down	Down	Survey Direction
Survey Type	Main Survey	Main Survey	Survey Type
Survey Status	Normal	Normal	Survey Status
Survey Comment			Survey Comment
Temperature	0.000	0.000	Temperature
Temperature Unit	degF	degF	Temperature Unit

Sensor	Offset (ft)	Sensor Data	Description	Length (ft)	O.D. (in)	Weight (lb)
			Tbg_Stack_Data_Inside_Pipe_1.875 OD Tubing Data Inside 1.9" Tubing Wall	1.100	1.90	0.40
Magnet	19.00		1.900_BAD_RAD_0.000 1.900 OD Radial Centralizer	2.70	2.70	2.70
Temp	19.00		Private_BADA-ET-ABP_2700-1015-01 Temperature Sensor, Quartz, Rapid Read, Non-Linear Temperature Probe	4.18	2.75	185.80
eMTR1 eMTR2 eMTR3 eMTR4 eMTR5 eMTR6 eMTR7 eMTR8			1.900_BAD_RAD_0.000 1.900 OD Radial Centralizer	2.70	2.70	2.70
EOTS Gyro GR	0.00 0.00 0.00		Private_GR_CCL-P_GUN_STK_5.375-SN-5-001 Gamma Ray/CCL Stack, 5.375" Gun Body	2.70	2.70	50.00
			1.900_BAD_RAD_0.000 1.900 OD Radial Centralizer	2.70	2.70	2.70

Interval PRODUCED_TDF_Acq-1-DEC-17_05_ 10 to 01-DEC-17_05 Perforation Event

Interval Reference Centralizers, performed 6-DEC-17 05:22:27

Centralizers	Run 1			Run 2			Results
	Num	Cal	Num	Cal	Num	Cal	Offset
CCL	1	0.000	1	0.000	1	0.000	0.000

Inclinometry Calculation Report
Calibration Date 6-DEC-17 05:22:27
Calibration Creator Bob Dai, 16 12 16 22:27

Run 1		Inclinometry Run 1	
	Num	Cal	Num
A	0.000	0.000	0.000
B	0.000	0.000	0.000
C	0.000	0.000	0.000
D	0.000	0.000	0.000
E	0.000	0.000	0.000
F	0.000	0.000	0.000
G	0.000	0.000	0.000
H	0.000	0.000	0.000

Inclinometry Run 1	
Num	Offset
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000

Company	TDF Rocky Mountain LLC
Well	Mare 08-62-1
Field	Wattenberg
County	Garfield
State	Colorado
API	05-045-23615