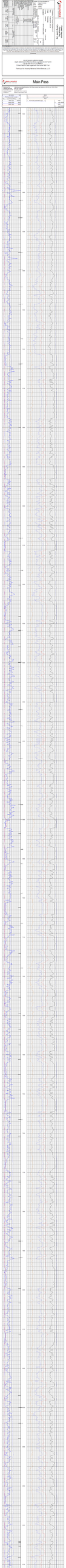
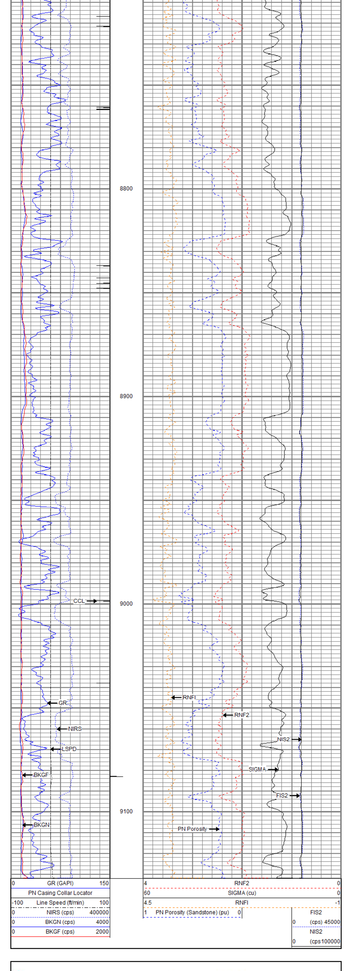

Main Pass
Repeat Pass
Tie In Pass
Tie In Pass
Repeat Pass
Main Pass
Gamma Ray
Neutron
Density
Caliper
Resistivity
Gamma Ray
Neutron
Density
Caliper
Resistivity
Gamma Ray
Neutron
Density
Caliper
Resistivity



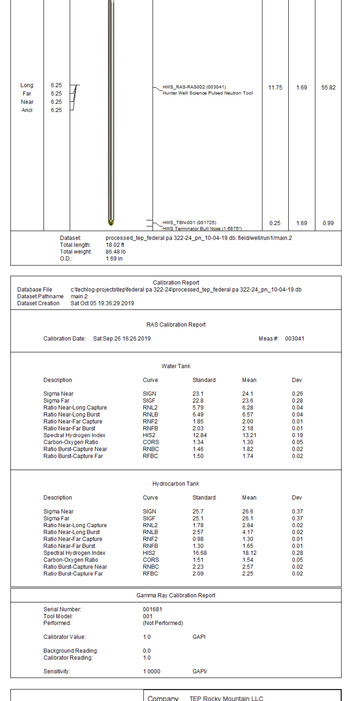
GR (GAPI)			RNF2	
0	PN Casing Collar Locator	150	60	SIGMA (su)	0
100	Line Speed (ft/min)	100	4.5	RNF1	-1
0	NRS (cps)	400000	1	PN Porosity (Sandstone) (pu) 0	FIS2
0	BKGN (cps)	4000			0 (cps) 45000
0	BKGF (cps)	2000			NIS2
					0 (cps) 100000

RELIANCE WIRELINE SERVICES

Repeat Pass

Database File	c:\techlog-project\tep\federal pa 322-24\processed_tep_federal pa 322-24_pn_10-04-19.db
Dataset Pathname	repeat.2
Presentation Format	ros_pdn_hunter
Dataset Creation	Sat Oct 05 19:39:35 2019
Charted by	Depth in Feet scaled 1:240

GR (GAPI)			RNF2	
0	PN Casing Collar Locator	150	60	SIGMA (su)	0
100	Line Speed (ft/min)	100	4.5	RNF1	-1
0	NRS (cps)	400000		PN Porosity (Sandstone)	FIS2
0	BKGN (cps)	4000		(Porosity Decimal Fraction) 0	0 (cps) 45000
0	BKGF (cps)	2000			NIS2
					0 (cps) 100000



GR (GAPI)			RNF2	
0	PN Casing Collar Locator	150	60	SIGMA (su)	0
100	Line Speed (ft/min)	100	4.5	RNF1	-1
0	NRS (cps)	400000		PN Porosity (Sandstone)	FIS2
0	BKGN (cps)	4000		(Porosity Decimal Fraction) 0	0 (cps) 45000
0	BKGF (cps)	2000			NIS2
					0 (cps) 100000

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan CH0-15875 OD Titan 1-1/16" Stretched Electric Cable Head w/ 1" Fishing Neck	1.03	1.69	5.40
TCUTEMP TCUVOLT GCL_CCL	14.69 14.69 13.97		HWS_TCU-002 (001705) HWS Telemetry Control Unit (TCU002)	2.30	1.69	10.87
GCL_GR	12.50		HWS_GCL-001 (001681) HWS Gamma Ray Collar Locator (1.6875")	2.69	1.69	13.40
Long Far Near Anch	6.25 6.25 6.25 6.25		HWS_RAS-RAS002 (003041) Hunter Well Science Pulsed Neutron Tool	11.75	1.69	55.82
			HWS_TBN-001 (001725) HWS Tensionator Bull Nose (1.6875")	0.25	1.69	0.99

Dataset	processed_tep_federal pa 322-24_pn_10-04-19.db: fieldwellrun1/main.2
Total length:	18.02 ft
Total weight:	86.48 lb
O.D.:	1.69 in

Calibration Report

Database File	c:\techlog-project\tep\federal pa 322-24\processed_tep_federal pa 322-24_pn_10-04-19.db
Dataset Pathname	main.2
Dataset Creation	Sat Oct 05 19:36:29 2019

RAS Calibration Report

Calibration Date: Sat Sep 26 16:26 2019 Meas #: 003041

Water Tank

Description	Curve	Standard	Mean	Dev
Sigma Near	SIGN	23.1	24.1	0.26
Sigma Far	SIGF	22.8	23.6	0.28
Ratio Near-Long Capture	RNL2	5.79	6.29	0.04
Ratio Near-Long Burst	RNLB	6.49	6.57	0.04
Ratio Near-Far Capture	RNF2	1.85	2.00	0.01
Ratio Near-Far Burst	RNFB	2.03	2.18	0.01
Spectral Hydrogen Index	HIS2	12.84	13.21	0.19
Carbon-Oxygen Ratio	CORS	1.34	1.30	0.05
Ratio Burst-Capture Near	RNBC	1.46	1.82	0.02
Ratio Burst-Capture Far	RFBC	1.50	1.74	0.02

Hydrocarbon Tank

Description	Curve	Standard	Mean	Dev
Sigma Near	SIGN	25.7	26.6	0.37
Sigma Far	SIGF	25.1	26.1	0.37
Ratio Near-Long Capture	RNL2	1.78	2.84	0.02
Ratio Near-Long Burst	RNLB	2.57	4.17	0.02
Ratio Near-Far Capture	RNF2	0.98	1.30	0.01
Ratio Near-Far Burst	RNFB	1.30	1.65	0.01
Spectral Hydrogen Index	HIS2	16.68	18.12	0.28
Carbon-Oxygen Ratio	CORS	1.51	1.54	0.05
Ratio Burst-Capture Near	RNBC	2.23	2.57	0.02
Ratio Burst-Capture Far	RFBC	2.09	2.25	0.02

Gamma Ray Calibration Report

Serial Number:	001681
Tool Model:	001
Performed:	(Not Performed)
Calibrator Value:	1.0 GAPI
Background Reading:	0.0
Calibrator Reading:	1.0
Sensitivity:	1.0000 GAPI

RELIANCE WIRELINE SERVICES

Company	TEP Rocky Mountain LLC
Well	Federal PA 322-24
Field	Parachute
County	Garfield
State	Colorado