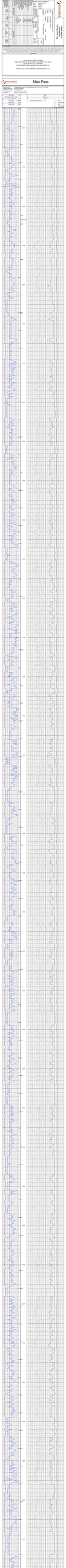
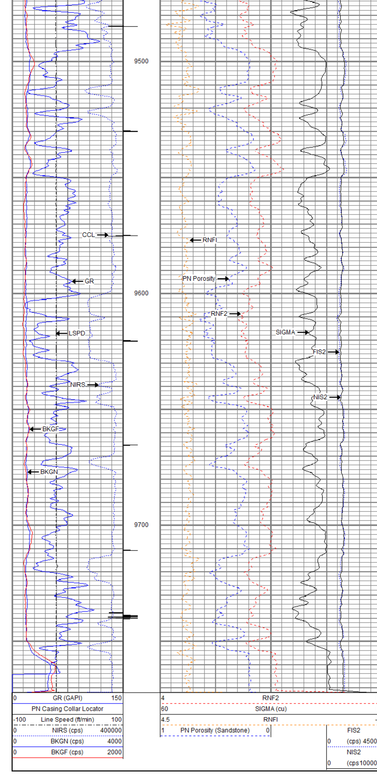
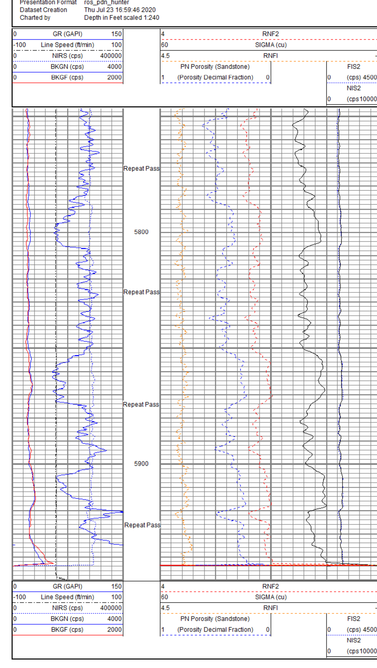

Main Pass
Repeat Pass
Gamma Ray (GR)
Caliper (CALI)
Bit Size (BS)
Neutron Porosity (NPHI)
Bulk Density (RHOB)
Photoelectric Factor (PEF)
Deep Resistivity (RT)
Medium Resistivity (RM)
Shallow Resistivity (RS)
Micro Resistivity (RXO)
Delta Rho (DRHO)
Spontaneous Potential (SP)
Gamma Ray (GR)
Caliper (CALI)
Bit Size (BS)
Neutron Porosity (NPHI)
Bulk Density (RHOB)
Photoelectric Factor (PEF)
Deep Resistivity (RT)
Medium Resistivity (RM)
Shallow Resistivity (RS)
Micro Resistivity (RXO)
Delta Rho (DRHO)
Spontaneous Potential (SP)
Main Pass
Repeat Pass



RELIANCE WIRELINE SERVICES

Repeat Pass

Database File	e:\data\tep\federal pa 334-13\pn\tep_federal pa 334-13_pn_07-23-20.db
Dataset Pathname	repeat.2
Presentation Format	rss_pdn_hunter
Dataset Creation	Thu Jul 23 16:59:46 2020
Charted by	Depth in Feet scaled 1:240



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan CHD-16875 GO Titan 1-1/16" Assembled Electric Cable Head w/ 1" Fishing Neck	1.03	1.69	5.40
			HWS_TCU-001 (000279) HWS Telemetry Control Unit	1.52	1.69	7.80
TCUTEMP	14.69					
TCUVOLT	14.69					
GCL_CCL	13.97					
			HWS_GCL-001 (000282) HWS Gamma Ray Collar Locator (1.6875")	2.69	1.69	13.40
GCL_GR	12.50					
Long	6.25					
Far	6.25					
Near	6.25					
Anci	6.25					
			HWS_RAS-RAS002 (003040) Hunter Well Sciende Pulsed Neutron Tool	11.75	1.69	55.82
LOCTIM	0.00					
UTCTIM	0.00					
			HWS_TBN-001 (001724) HWS Terminator Bull Nose (1.6875")	0.25	1.69	0.99

Dataset: tep_federal pa 334-13_pn_07-23-20.db: field\well\run1\main.2
Total length: 17.24 ft
Total weight: 83.41 lb
O.D.: 1.69 in

Calibration Report

Database File	e:\data\tep\federal pa 334-13\pn\tep_federal pa 334-13_pn_07-23-20.db
Dataset Pathname	main.2
Dataset Creation	00:00:00

RAS Calibration Report

Calibration Date: Thu Jul 11 14:55 2020 Meas #: 003041

Water Tank

Description	Curve	Standard	Mean	Dev
Sigma Near	SIGN	23.1	24.1	0.23
Sigma Far	SIGF	22.8	23.5	0.27
Ratio Near-Long Capture	RNL2	5.79	6.45	0.04
Ratio Near-Long Burst	RNLB	6.49	6.87	0.04
Ratio Near-Far Capture	RNF2	1.85	2.01	0.01
Ratio Near-Far Burst	RNFB	2.03	2.16	0.01
Spectral Hydrogen Index	HIS2	12.84	12.61	0.16
Carbon-Oxygen Ratio	CORS	1.34	1.30	0.05
Ratio Burst-Capture Near	RNBC	1.46	1.73	0.01
Ratio Burst-Capture Far	RFBC	1.50	1.67	0.01

Hydrocarbon Tank

Description	Curve	Standard	Mean	Dev
Sigma Near	SIGN	25.7	26.8	0.25
Sigma Far	SIGF	26.1	25.5	0.45
Ratio Near-Long Capture	RNL2	1.78	2.98	0.02
Ratio Near-Long Burst	RNLB	2.57	4.38	0.02
Ratio Near-Far Capture	RNF2	0.98	1.30	0.01
Ratio Near-Far Burst	RNFB	1.30	1.64	0.01
Spectral Hydrogen Index	HIS2	16.68	17.41	0.28
Carbon-Oxygen Ratio	CORS	1.51	1.54	0.04
Ratio Burst-Capture Near	RNBC	2.23	2.46	0.02
Ratio Burst-Capture Far	RFBC	2.09	2.18	0.02

Gamma Ray Calibration Report

Serial Number:	000262	
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 334-13
Field	Parachute
County	Garfield
State	Colorado