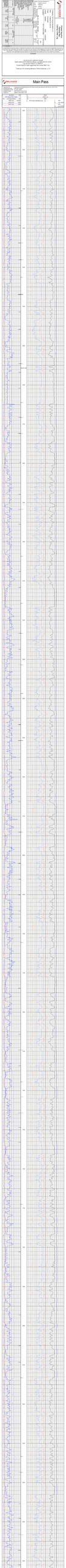
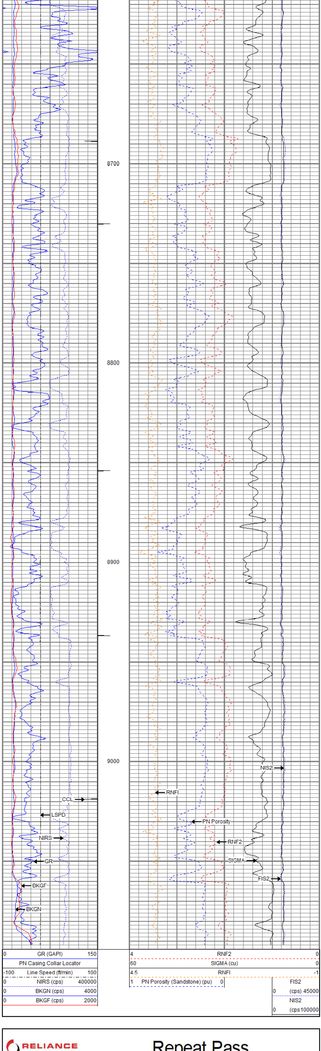
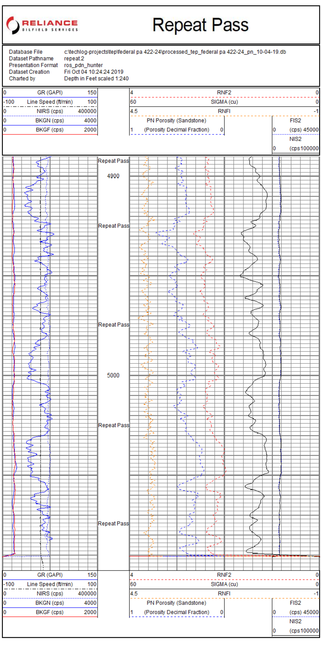

Schlumberger
Gamma Ray (GAPI)
Caliper (in)
Bit Size (in)
Resistivity (ohmm)
Deep Resistivity (ohmm)
Medium Resistivity (ohmm)
Shallow Resistivity (ohmm)
Density (g/cm3)
Neutron Porosity (dec)
Photoelectric Factor (b/e)
Delta Rho (g/cm3)
Rho Correction (g/cm3)
Neutron Porosity (dec)
Gamma Ray (GAPI)
Caliper (in)
Bit Size (in



RELIANCE WIRELINE SERVICES

Repeat Pass

Database File c:\techlog-projects\tep\federal pa 422-24\processed_tep_federal pa 422-24_pn_10-04-19.db
Dataset Pathname repeat:2
Presentation Format nss_pdn_hunter
Dataset Creation Fri Oct 04 10:24:24 2019
Charted by: Depth in Feet scaled 1:240



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan CHD-15675 OD Titan 1-1/16" Assembled Electro Cable Head w/ 1" Fishing Neck	1.03	1.69	5.40
			HWS_TCU-002 (001705) HWS Telemetry Control Unit (TCU002)	2.30	1.69	10.87
TCUTEMP TCUVOLT GCL_CCL	14.69 14.69 13.97					
GCL_GR	12.50		HWS_GCL-001 (001661) HWS Gamma Ray Collar Locator (1.687"ET)	2.69	1.69	13.40
Long Far Long Near Near Anci	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_TBH-001 (001725) HWS Thermometer Bull Nose (1.687"ET)	0.25	1.69	0.99

Dataset: processed_tep_federal pa 422-24_pn_10-04-19.db: field\well\run1\Main 2
Total length: 18.02 ft
Total weight: 89.48 lb
O.D.: 1.69 in

Calibration Report

Database File c:\techlog-projects\tep\federal pa 422-24\processed_tep_federal pa 422-24_pn_10-04-19.db
Dataset Pathname Main 2
Dataset Creation Fri Oct 04 10:41:37 2019

RAS Calibration Report

Calibration Date: Fri 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	6.31	0.04
Ratio Near-Long Burst	RNLB	6.49	5.97	0.04
Ratio Near-Far Capture	RNF2	2.03	2.09	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	1.39	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	1.79	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
Carbon-Oxygen Ratio	CORS	0.68	1.52	0.05
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 422-24
Field	Parachute
County	Garfield
State	Colorado