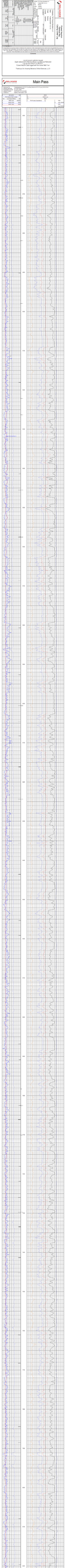
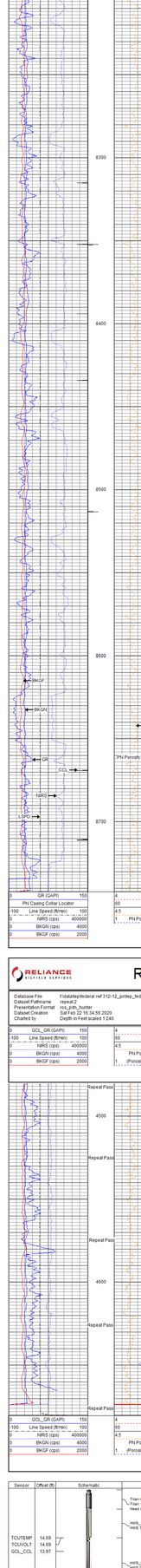

Gamma Ray (API)
Caliper (in)
Resistivity (ohm.m)
Neutron Porosity (dec)
Bulk Density (g/cm3)
Photoelectric Factor (b/e)
Delta Rho (g/cm3)



RELIANCE WIRELINE SERVICES

Repeat Pass

Database File	f:\data\tep\federal rwf 312-12_pntrep_federal rwf 312-12_pn_02-22-20.db
Dataset Pathname	pass 1
Presentation Format	nrs_pdc_hunter
Dataset Creation	Sat Feb 22 16:34:56 2020
Charted by	Depth in Feet scaled 1:240

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan CAS-1687 GO Titan 1-11/16" Assembled Electric Cable Head w/ 11° Fishing Neck	1.03	1.69	5.40
TCUTEMP TCUVOLT GCL_CCL	14.69 14.69 13.97		HWS_TCU-001 (000279) HWS Telemetry Control Unit	1.52	1.69	7.80
GCL_GR	12.50		HWS_GCL-001 (001681) HWS Gamma Ray Collar Locator (1.687E)	2.69	1.69	13.40
Long Far Near Anci	6.25 6.25 6.25 6.25		HWS_RAS-RA0002 (003040) Hunter Well Science Pulsed Neutron Tool	11.75	1.69	55.82
LOCTIM UTCTIM	0.00 0.00		HWS_TBN-001 (001724) HWS Tensionless Bull Nose (1.687E)	0.25	1.69	0.99

Dataset:	tep_federal rwf 312-12_pn_02-22-20.db: fieldrelsrun1/main.2
Total length:	17.24 ft
Total weight:	83.41 lb
O.D.:	1.69 in

Calibration Report

Database File	f:\data\tep\federal rwf 312-12_pntrep_federal rwf 312-12_pn_02-22-20.db
Dataset Pathname	main.2
Dataset Creation	Sat Feb 22 16:33:20 2020

RAS Calibration Report

Calibration Date:	Sat Sep 16 14:23:2019
Meas #	003040

Water Tank

Description	Curve	Standard	Mean	Dev
Sigma Near	SIGN	23.1	24.1	0.18
Sigma Far	SIGF	22.8	23.5	0.20
Ratio Near-Long Capture	RNLZ	5.79	7.46	0.05
Ratio Near-Long Burst	RNLB	6.49	7.82	0.04
Ratio Near-Far Capture	RNFZ	1.85	2.03	0.01
Ratio Near-Far Burst	RNFB	2.03	2.19	0.01
Spectral Hydrogen Index	HIS2	12.84	13.86	0.22
Carbon-Oxygen Ratio	CORS	1.34	1.85	0.07
Ratio Burst-Capture Near	RNBC	1.46	1.58	0.01
Ratio Burst-Capture Far	RFBC	1.50	1.61	0.01

Hydrocarbon Tank

Description	Curve	Standard	Mean	Dev
Sigma Near	SIGN	25.7	27.8	0.27
Sigma Far	SIGF	25.1	26.1	0.23
Ratio Near-Long Capture	RNLZ	1.78	3.38	0.02
Ratio Near-Long Burst	RNLB	2.57	5.01	0.02
Ratio Near-Far Capture	RNFZ	0.98	1.32	0.01
Ratio Near-Far Burst	RNFB	1.30	1.68	0.01
Spectral Hydrogen Index	HIS2	16.58	19.26	0.36
Carbon-Oxygen Ratio	CORS	1.18	1.25	0.06
Ratio Burst-Capture Near	RNBC	2.23	2.37	0.02
Ratio Burst-Capture Far	RFBC	2.09	2.09	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 RWF 312-12
Field	Rulison
County	Garfield
State	Colorado