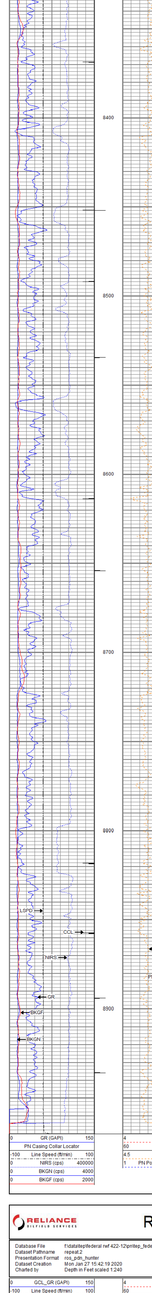
Tension (lbf)
Temperature (degF)
Gamma Ray (gAPI)
Casing Collar Locator
Cable Speed (ft/min)
Tool Zero Check
Log Interval
Log Interval
Log Interval



RELIANCE WIRELINE SERVICES

Repeat Pass

Database File f:\data\pp\federal ref 422-12\pp\tep_federal ref 422-12_pn_01-24-20.db
Dataset Pathname mpass2
Presentation Format mcg_pph_hunter
Dataset Creation Mon Jan 27 15:42:19 2020
Charted by Depth in Feet scaled 1:240

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan CHD-16678 OD Titan 1-11/16" Assembled Electric Cable Head w/ 7" Fishing Neck	1.03	1.69	5.40
TCUTEMP TCUVOLT GCL_CCL	14.69 14.69 13.97		HWS_TCU-001 (900278) HWS Telemetry Control Unit	1.52	1.69	7.80
GCL_GR	12.50		HWS_GCL-001 (501681) HWS Gamma Ray Collar Locator (1.69"ID)	2.69	1.69	13.40
Long Far Near ANG	6.25 5.25 5.25 5.25		HWS_RAS-RAS002 (903045) Hunter Well Science Pulsed Neutron Tool	11.75	1.69	55.92
LOCTM UTCTM	0.00 0.00		HWS_TBN-001 (501724) HWS Telemetry Bull Nose (1.69"ID)	0.25	1.69	0.99

Dataset: tep_federal ref 422-12_pn_01-24-20.dlis fields=tm:tmsan:t:msan 2
Total length: 17.24 ft
Total weight: 85.45 lb
O.D. 1.69 in

Calibration Report

Database File f:\data\pp\federal ref 422-12\pp\tep_federal ref 422-12_pn_01-24-20.db
Dataset Pathname main 2
Dataset Creation Mon Jan 27 15:40:24 2020

RAS Calibration Report

Calibration Date: Mon Nov 01 14:23:2019 Meas #: 003040

Water Tank

Description	Curve	Standard	Mean	Dev
Sigma Near	SIGN	23.1	24.3	0.31
Sigma Far	SIGF	22.8	23.5	0.38
Ratio Near-Long Capture	RNLS	5.49	6.40	0.07
Ratio Near-Long Burst	RNLB	2.49	2.45	0.02
Ratio Near-Far Capture	RNF2	1.65	1.69	0.02
Ratio Near-Far Burst	RNFB	2.03	2.15	0.01
Spectral Hydrogen Index	HIS2	12.84	12.81	0.19
Carbon-Oxygen Ratio	CORS	1.34	1.36	0.06
Ratio Burst-Capture Near	RNBC	1.46	1.74	0.01
Ratio Burst-Capture Far	RFBC	1.50	1.67	0.02

Hydrocarbon Tank

Description	Curve	Standard	Mean	Dev
Sigma Near	SIGN	25.7	26.7	0.32
Sigma Far	SIGF	25.1	25.6	0.49
Ratio Near-Long Capture	RNL2	1.78	2.96	0.02
Ratio Near-Long Burst	RNLB	2.57	4.34	0.02
Ratio Near-Far Capture	RNF2	0.98	1.30	0.01
Ratio Near-Far Burst	RNFB	1.71	2.03	0.01
Spectral Hydrogen Index	HIS2	16.68	17.87	0.36
Carbon-Oxygen Ratio	CORS	1.51	1.62	0.06
Ratio Burst-Capture Near	RNBC	2.23	2.44	0.02
Ratio Burst-Capture Far	RFBC	2.09	2.13	0.02

Gamma Ray Calibration Report

Detial 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 422-12
Field	Rulison
County	Garfield
State	Colorado