Comments

Log ran 50 feet above the reservoir.
Depth referenced to Schlumberger Wireline Log dated 31-JAN-2022
Casing Shoe: 1,000 ft MD
Casing Fluid: Water, Logged with Fluid Level at Surface

Thank you for choosing Blackcomb Wireline Services, LLC!

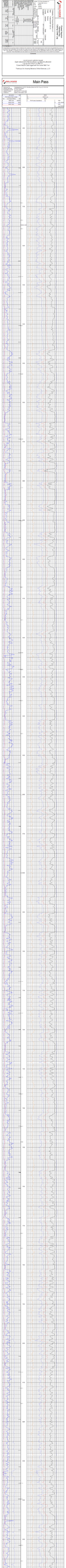
Main Pass

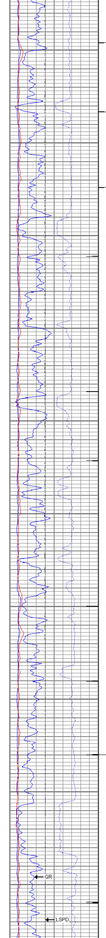
Company:	Blackcomb Wireline Services, LLC
Well:	Blackcomb Wireline Services, LLC Test Well
Field:	Blackcomb Wireline Services, LLC Test Field
Location:	Blackcomb Wireline Services, LLC Test Location
Province:	Blackcomb Wireline Services, LLC Test Province
Country:	Blackcomb Wireline Services, LLC Test Country

Run Number	Run 1
Run Date	31-JAN-2022
Service Order	1
Log Type	PEX
Top Log Interval	1,000 ft
Bottom Log Interval	2,000 ft

Tool Name	Description
HGNS	Hostile Gamma Ray Sonde
HDIL	Hostile Dual Induction Tool
HNGS	Hostile Natural Gamma Ray Sonde
HLDS	Hostile Litho-Density Sonde
HCNS	Hostile Compensated Neutron Sonde

Parameter	Value
Mud Type	Water Based Mud
Mud Density	8.33 lb/gal
Mud Viscosity	1 cP
Mud Resistivity	0.1 ohmm
Mud Filtrate Resistivity	0.1 ohmm
Mud Cake Resistivity	0.1 ohmm
Bit Size	8.5 in
Casing Depth	1,000 ft
Casing Size	7 in
Casing Weight	23 lb/ft
Casing Grade	L80
Casing Fluid	Water
Fluid Level	Surface

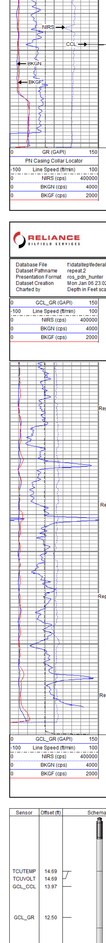


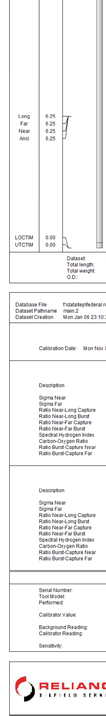


RELIANCE WIRELINE SERVICES

Repeat Pass

Database File f:\data\tep\federal nwf 323-12\pnttep_federal nwf 323-12_pn_01-06-20.db
Dataset Pathname repeat2
Presentation Format log_pn_burster
Dataset Creation Mon Jan 06 23:02:01 2020
Charted by Depth in Feet scaled 1:240





Database File f:\data\tep\federal nwf 323-12\pnttep_federal nwf 323-12_pn_01-06-20.db
Dataset Pathname main.2
Dataset Creation Mon Jan 06 23:10:34 2020

Calibration Report

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	RNLC	5.79	6.42	0.07
Ratio Near-Long Burst	RNLB	6.49	6.55	0.04
Ratio Near-Far Capture	RNFC	1.85	1.99	0.02
Ratio Near-Far Burst	RNFB	1.67	1.70	0.01
Spectral Hydrogen Index	HIS2	12.64	12.91	0.19
Carbon-Oxygen Ratio	CORS	1.34	1.35	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	0.46
Ratio Near-Long Capture	RNLC	1.79	2.96	0.02
Ratio Near-Long Burst	RNLB	2.57	4.34	0.02
Ratio Near-Far Capture	RNFC	1.38	1.50	0.02
Ratio Near-Far Burst	RNFB	1.35	1.50	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

Serial Number:	001681
Tool Model	GRT
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 323-12
Field	Rulison
County	Garfield
State	Colorado