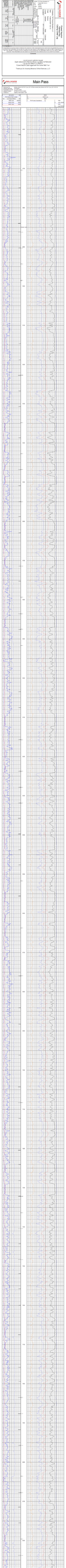
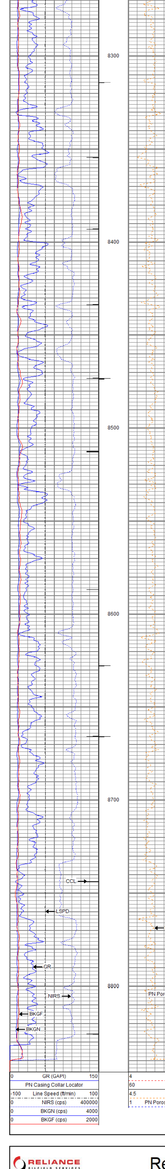
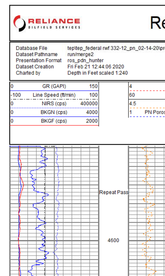
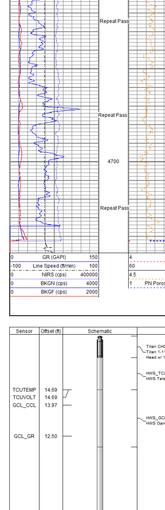
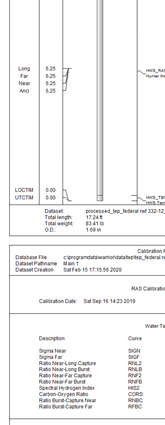

Main Pass
Comments
CN: Mr. Bryan Jaskot Inc. 1424W
Well: ARTHUR 1-24-13-10H
Field: ARTHUR
County/State: Dunn County, North Dakota
Country: USA
Legal Description: NE NW 24-143N-101W
Thank you for choosing Weatherford Drilling Services, LLC!
Main Pass
Weatherford Drilling Services
Survey Report
Company: Mr. Bryan Jaskot Inc. 1424W
Field: ARTHUR
Site: ARTHUR 1-24-13-10H
Well: ARTHUR 1-24-13-10H
Wellbore: Main Pass
Design: Main Pass
Survey Calculation Method: Minimum Curvature
Well ARTHUR 1-24-13-10H
KB 2,100.00usft
Ground Level 2,075.00usft
Magnetic Declination 7.90°
Dip Angle 72.98°
Magnetic Field Strength 56,512.6nT
Vertical Section Azimuth 90.00°
Survey Program
Date 10/28/2015
From (usft) 0.00
To (usft) 20,944.00
Survey (Wellbore) Main Pass
Tool Name MWD+HDGM
Description MWD+HDGM
Project
Site
Well
Wellbore
Design
Azimuths to True North
Magnetic North: 7.90°
Magnetic Field
Strength: 56512.6nT
Dip Angle: 72.98°
Date: 10/28/2015
Model: HDGM
Design Data
Audit Notes:
Version: 1.0
Phase: ACTUAL
Vertical Section Depth From (TVD) +N/-S +E/-W Direction
usft usft usft usft °
0.00 0.00 0.00 0.00 90.00
Survey
Measured Depth (usft) Inclination (°) Azimuth (°) Vertical Depth (usft) +N/-S (usft) +E/-W (usft) Vertical Section (usft) Dogleg Rate (°/100usft) Build Rate (°/100usft) Turn Rate (°/100usft) Tool Face (°) Survey Tool Name Comment
0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 MWD+HDGM









Calibration Report

Database File c:\programdata\wavnon\data\tepfed_tepfed_federal nwf 332-12_pn_02-14-20\processed_tep_federal nwf 332-12_pn_02-14-20.db
Dataset Pathname Main 1
Dataset Creation Sat Feb 15 17:15:56 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	RNL2	5.79	7.46	0.05
Ratio Near-Far Capture	RNF2	1.87	2.52	0.01
Ratio Near-Far Capture	RNF2	1.87	2.52	0.01
Ratio Near-Far Burst	RNFB	2.03	2.19	0.01
Spectral Hydrogen Index	HIS2	12.84	13.06	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	1.59	1.61	0.01

Hydrocarbon Tank

Description	Curve	Standard	Mean	Dev
Sigma Near	SIGN	25.7	27.8	N/A
Sigma Far	SIGF	25.1	26.1	N/A
Ratio Near-Long Capture	RNL2	1.79	3.38	N/A
Ratio Near-Long Burst	RNLB	2.57	5.01	N/A
Ratio Near-Far Capture	RNF2	1.53	1.52	N/A
Ratio Near-Far Burst	RNFB	1.30	1.52	N/A
Spectral Hydrogen Index	HIS2	16.58	19.26	N/A
Carbon-Oxygen Ratio	CORS	1.51	2.04	N/A
Ratio Burst-Capture Near	RNBC	2.23	2.37	N/A
Ratio Burst-Capture Far	RFBC	2.09	2.09	N/A

Gamma Ray Calibration Report

Serial Number:	0010581
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 332-12
Field	Rulison
County	Garfield
State	Colorado