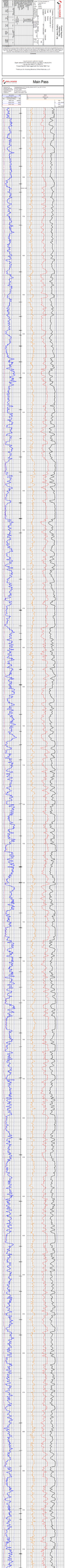
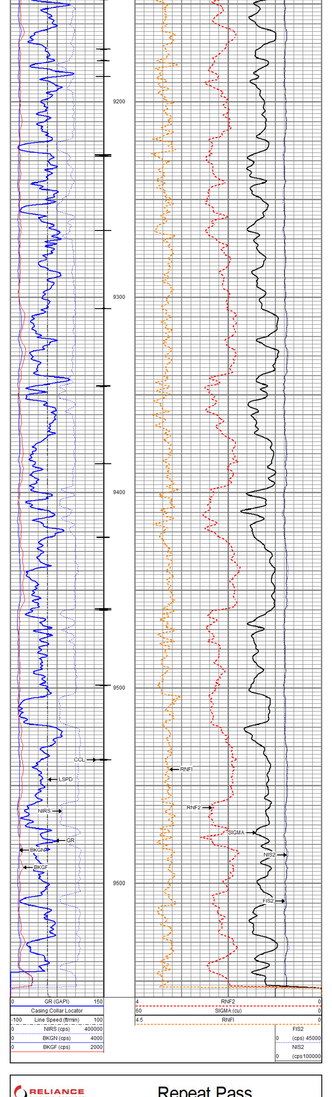
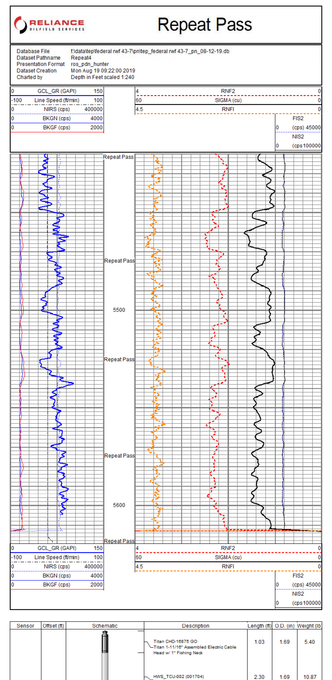

Main Pass
Schlumberger
Company: Repsol Exploración S.A.
Well: Well Name: 15/9-19 A
Field: Alvheim
Location: Norway, Norwegian Sector, North Sea
Country: Norway
Permanent Datum: Mean Sea Level
Log Measured From: Rotary Table
Drilling Measured From: Rotary Table
Elevation: 0 m
Kelly Bushing: 0 m
Derrick Floor: 0 m
Ground Level: 0 m
Date: 10-Jun-2012
Run Number: 1
Depth Driller: 4,000 m
Depth Logger: 4,000 m
Bottom Log Interval: 4,000 m
Top Log Interval: 3,000 m
Casing Driller: 3,000 m @ 3,000 m
Casing Logger: 3,000 m @ 3,000 m
Bit Size: 8.5 in
Type Fluid in Hole: WBM
Density: 1.25 g/cm3
Viscosity: 0 s
PH: 0
Fluid Loss: 0 cm3
Source of Sample: Flowline
Rm @ Measured Temperature: 0 ohm.m @ 0 degC
Rmf @ Measured Temperature: 0 ohm.m @ 0 degC
Rmc @ Measured Temperature: 0 ohm.m @ 0 degC
Rm @ BHT: 0 ohm.m @ 0 degC
Time Since Circulation: 0 hr
Max Recorded Temperature: 0 degC
Equipment: SLB-MWD-ARC-VD-TELE
Run Service Order: 12AKA0010
Main Pass
Logging Engineer: Name
Operating Rig Time: 0 hr
Max Deviation: 0 deg
Max Dogleg: 0 deg/30m
Max Mud Weight: 0 g/cm3
Max Viscosity: 0 s
Max Chloride: 0 mg/l
Max Temperature: 0 degC
Equipment Failure Information
Recorded Mode
Real-Time
Memory
Primary Depth Control
Yes
No
Bit Run
Drillstring Run
Hole Size
Casing Size
Casing Weight
Casing Grade
Casing Depth
Tubing Size
Tubing Weight
Tubing Grade
Tubing Depth
Top Log Interval
Bottom Log Interval
Type Fluid in Hole
Density
Viscosity
PH
Fluid Loss
Source of Sample
Rm @ Measured Temperature
Rmf @ Measured Temperature
Rmc @ Measured Temperature
Rm @ BHT
Time Since Circulation
Max Recorded Temperature
Equipment Number
Location
Recorded By
Witnessed By
Run 1
3,000 m
4,000 m
WBM
1.25 g/cm3
0 s
0
0 cm3
Flowline
0 ohm.m @ 0 degC
0 ohm.m @ 0 degC
0 ohm.m @ 0 degC
0 ohm.m @ 0 degC
0 hr
0 degC
SLB-MWD-ARC-VD-TELE
Name
Name
Run 1 Repeat
Run 2
Run 3
Run 4
Run 5
Run 6
Run 7
Run 8
Run 9
Run 10
Run 11
Run 12
Run 13
Run 14
Run 15
Run 16
Run 17
Run 18
Run 19
Run 20
Run 21
Run

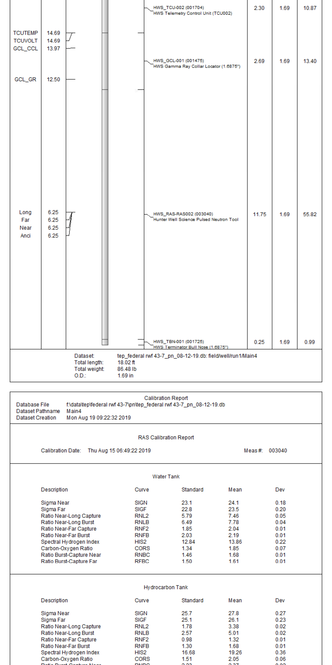


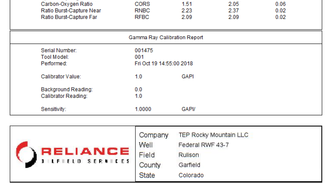
RELIANCE WIRELINE SERVICES

Repeat Pass

Database File fcdatatepfederal ref 43-7\pmtep_federal ref 43-7_pn_08-12-19.db
Dataset Pathname Repeat4
Presentation Format mis_pdn_hunter
Dataset Creation Mon Aug 19 09:22:00 2019
Charted by Depth in Feet scaled 1:240







Calibration Report

Database File fcdatatepfederal ref 43-7\pmtep_federal ref 43-7_pn_08-12-19.db
Dataset Pathname Main4
Dataset Creation Mon Aug 19 09:22:32 2019

RAS Calibration Report

Calibration Date: Thu Aug 15 06:49:22 2019 Meas #: 003040

Water Tank

Description	Curve	Standard	Mean	Dev
Sigma Near	SIGN	23.1	24.1	0.18
Sigma Far	SIGF	25.1	25.5	0.20
Ratio Near-Long Capture	RNL2	0.78	0.78	0.00
Ratio Near-Long Burst	RNLB	5.49	7.16	0.04
Ratio Near-Far Capture	RNF2	1.85	2.04	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	1.68	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	RNL2	1.78	3.38	0.02
Ratio Near-Long Burst	RNLB	2.57	5.01	0.02
Ratio Near-Far Capture	RNF2	0.99	1.32	0.01
Ratio Near-Far Burst	RNFB	1.30	1.68	0.01
Spectral Hydrogen Index	HIS2	16.68	19.26	0.36
Carbon-Oxygen Ratio	CORS	1.51	2.05	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:	001475
Tool Model:	003
Performed:	Fri Oct 19 14:55:00 2018
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 43-7
Field	Rulison
County	Garfield
State	Colorado