RELIANCE OILFIELD SERVICES

Temperature (Quick Look)
Gamma Ray
Casing Collar Log

Company: TEP Rocky Mountain LLC
Well: Federal RU 522-17
Field: Rullison
County: Garfield
State: Colorado
Location: API#: 05-045-23738

Permanent Datum: Ground Level — Elevation: 8365 ft
Log Measured From: Kelly Bushing — 24 ft above Permanent Datum
Drilling Measured From: KB — Elevation: KB 8389.6', GL 8365.6'

Other Services: ---

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Log ran per customer request
Depth referenced to Kelly Bushing at 24 FT
Marker Joint logged from 6313 FT to 6334 FT
Log ran from 10398 FT to Surface
Log ran with 0 PSI Surface Induced Pressure

Thank you for choosing Reliance Oilfield Services, LLC!!

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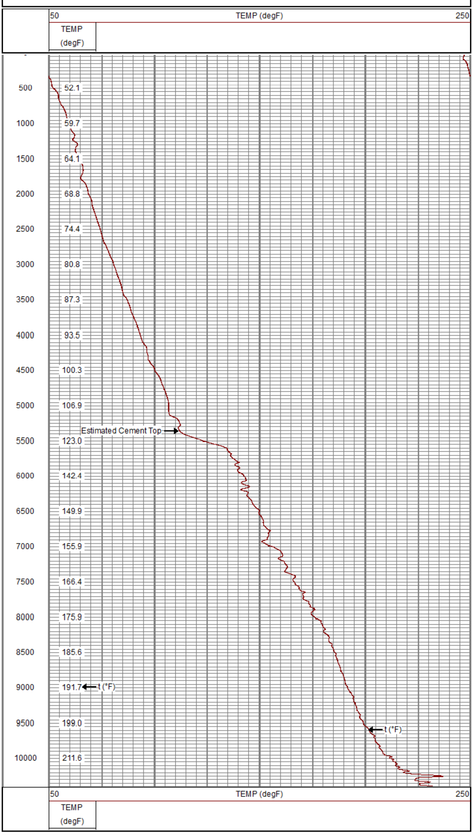
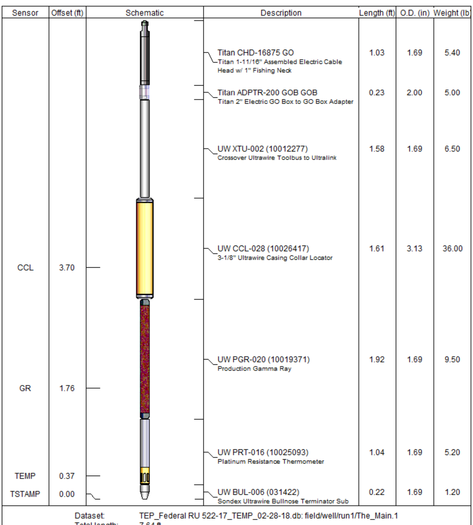
Main Pass (Quick Look)

Recorded with 0 PSI Surface Induced Pressure

Database File	tep\federal ru 522-17\tep_federal ru 522-17_temp_02-28-18.db
Dataset Pathname	The_Main.1
Presentation Format	ros_temp_ql_tep
Dataset Creation	Wed Feb 28 19:47:16 2018
Charted by	Depth in Feet scaled 1:10000





Dataset: TEP_Federal RU 522-17_TEMP_02-28-18.db: field/well/run1/The_Main.1
Total length: 7.64 ft
Total weight: 68.80 lb
O.D.: 3.13 in

Calibration Report

Database File	c:\programdata\warrior\data\tep\federal ru 522-17\tep_federal ru 522-17_temp_02-28-18.db
Dataset Pathname	The_Main
Dataset Creation	Wed Feb 28 18:05:52 2018

Temperature Calibration Report

Serial Number: 10025093
Tool Model: 016
Performed: Sun Nov 12 14:20:23 2017

Point #	Reading		Reference	
1	13006.00	cps	68.00	degF
2	18181.00	cps	104.00	degF
3	29634.00	cps	176.00	degF
4	41077.00	cps	248.00	degF
5	52560.00	cps	320.00	degF
6	58409.00	cps	356.00	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

Gamma Ray Calibration Report

Serial Number: 10019371
Tool Model: 020
Performed: Sun Nov 12 06:37:04 2017

Calibrator Value:	637.0	GAPI
Background Reading:	78.8	cps
Calibrator Reading:	1069.9	cps
Sensitivity:	0.6427	GAPI/cps

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