
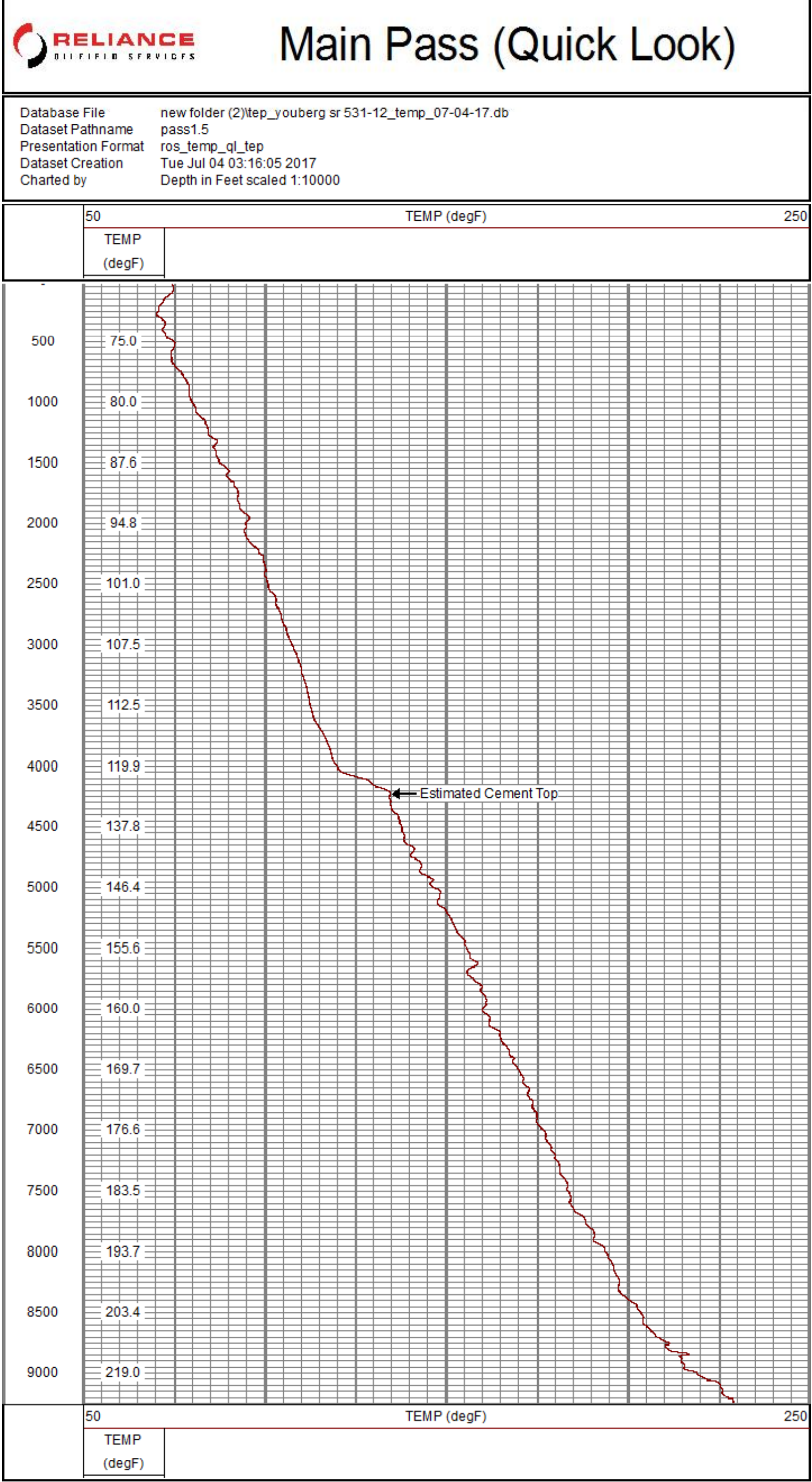
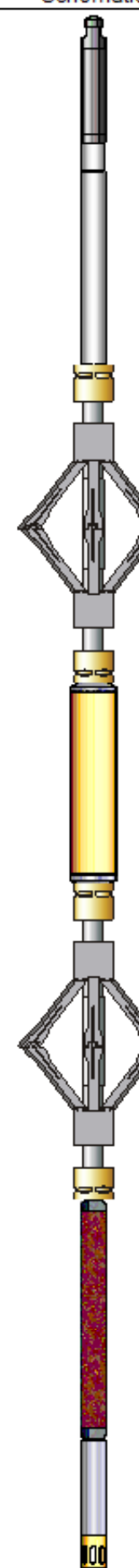


<div><div><div><div><div>RELIANCE</div><div>OILFIELD SERVICES</div></div></div></div></div>		Temperature (Quick Look) Gamma Ray Casing Collar Log	
Company TEP Rocky Mountain LLC		Well Youberg SR 531-12	
Field Rulison		County Garfield	
State Colorado		Location: 1887 FNL & 2115 FEL SWNE	
SEC 12 TWP 7S RGE 94W		API #: 05-045-23431	
Permanent Datum		Ground Level	
Log Measured From		Kelly Bushing	
Drilling Measured From		Kelly Bushing	
Date 04-JUL-2017		Elevation 7254'	
Run Number		One	
Depth Driller		9324 FT	
Depth Logger		9239 FT	
Bottom Logged Interval		9239 FT	
Top Log Interval		Surface	
Open Hole Size		8.750"	
Type Fluid		Fresh Water	
Density / Viscosity		8.34 lb/gal	
Max. Recorded Temp.		229°F	
Estimated Cement Top		4220 FT	
Time Well Ready		ROA	
Time Logger on Bottom		01:00	
Equipment Number		HD-264	
Location		Grand Junction	
Recorded By		A. Ellsworth	
Witnessed By		---	
Borehole Record		Tubing Record	
Run Number		Bit	
From		To	
Size (in)		Weight (lb/ft)	
From		To	
Casing Record		Size (in)	
Surface Casing		32.3	
Intermediate #1		4 1/2	
Intermediate #2		11.6	
Liner		P-110	
Grade		Surface	
Top		Surface	
Bottom		9324 FT	
<<< Fold Here >>>			
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 as per customer request Depth referenced to Kelly Bushing at 24 FT Marker joint logged from 5411 FT to 5434 FT			
Thank you for choosing Reliance Oilfield Services, LLC!!			



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
CCL	6.24		Titan_Electric_Cable_Heads-Titan_1-11 Electric Cable Head with 1" Fishing Neck	11.03	1.69	5.40	
			UW_AGS-UW_AGS_001 (219135) Sondex Adapter - GO Box to Sondex Pin	0.21	1.69	1.00	
			UW_XTU-UW_XTU_002 (10012277) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50	
			UW_PRC-DSS_RAC 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00	
			UW_CCL-UW_CCL_028 (10025621) 3-1/8" Ultrawire Casing Collar Locator	1.61	3.13	36.00	
GR	1.76		UW_PRC-DSS_RAC 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00	
			UW_PGR-UW_PGR_020 (10019371) Production Gamma Ray	1.92	1.69	9.50	
TEMP	0.37			UW_PRT-PRT_016 (10025093) Platinum Resistance Thermometer	1.04	1.69	5.20
TSTAMP	0.00			UW_BUL-UW_BUL_006 (10019730) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
Dataset:			TEP_Youberg SR 531-12_TEMP_07-04-17.db: field/well/run1/pass1.5				
Total length:		12.71 ft					
Total weight:		128.80 lb					
O.D.:		3.13 in					

Calibration Report					
Database File	D:\Warrior\Data\New folder (2)\TEP_Youberg SR 531-12_TEMP_07-04-17.db				
Dataset Pathname	pass1.4				
Dataset Creation	Tue Jul 04 01:28:33 2017				
Temperature Calibration Report					
Serial Number:		10025093			
Tool Model:		PRT_016			
Performed:		Sun Oct 11 12:31:14 2015			
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:		UW_PGR_020			
Performed:		(Not Performed)			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		1.0000	GAPI/cps		

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