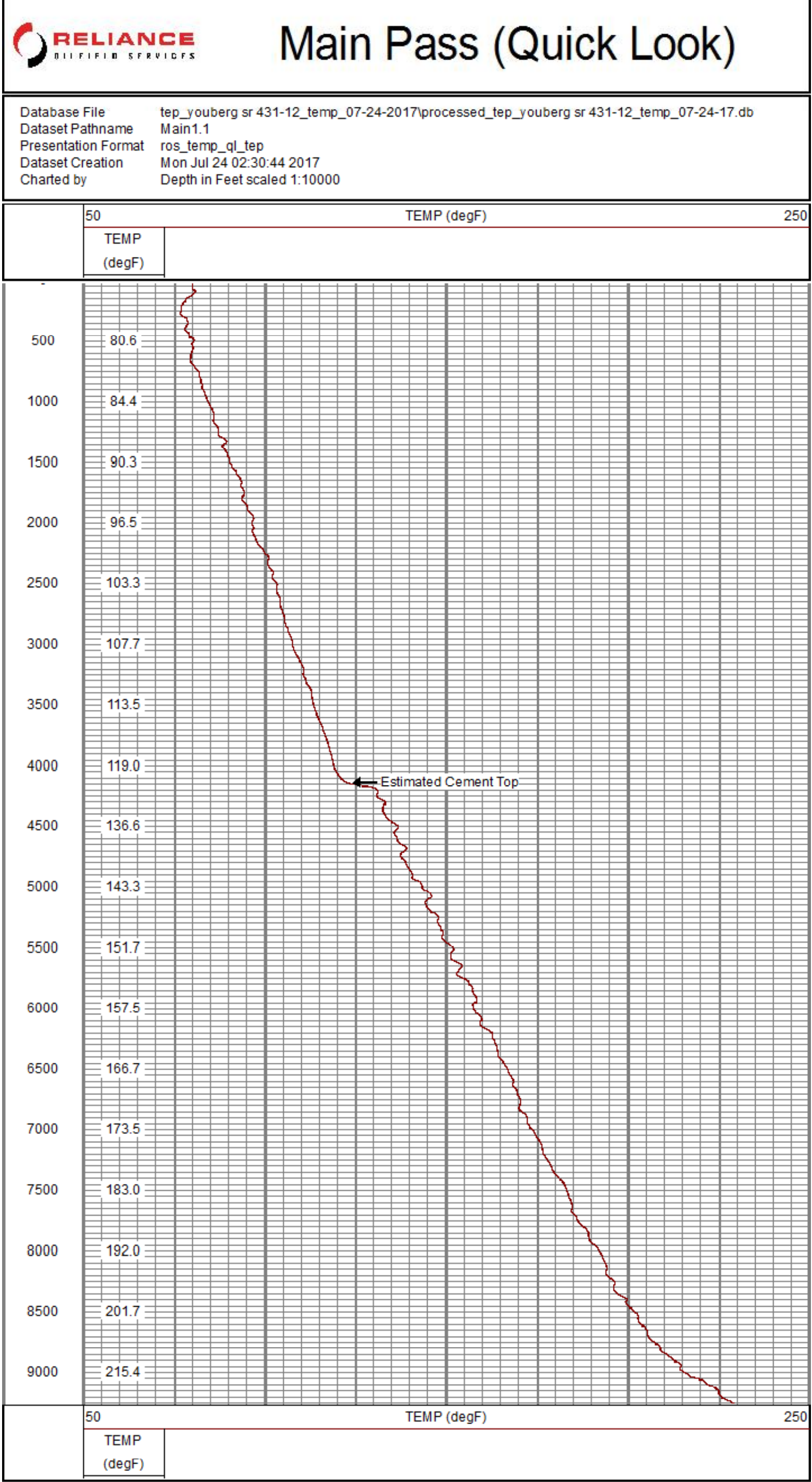

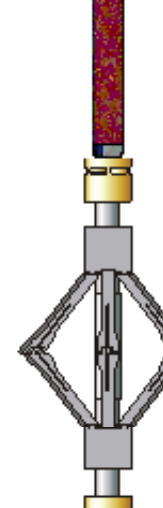
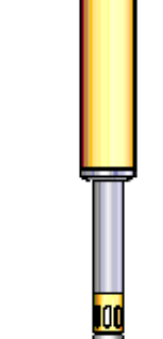
		Temperature Gamma Ray Casing Collar Log	
Company TEP Rocky Mountain LLC Well Youberg SR 431-12 Field Rulison County Garfield State Colorado			
Location: 1894' FNL & 2113' FEL SWNE SEC 12 TWP 7S RGE 94W Permanent Datum Ground Level Elevation 7254' Log Measured From Kelly Bushing 24 FT Drilling Measured From Kelly Bushing Other Services: --- Elevation K.B. 7278', D.F. 7277', G.L. 7254'			
Date	24-JUL-2017		
Run Number	One		
Depth Driller	9341 FT		
Depth Logger	9258 FT		
Bottom Logged Interval	9258 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	4150 FT		
Time Well Ready	ROA		
Time Logger on Bottom	01:00		
Equipment Number	HD-0359		
Location	Grand Junction		
Recorded By	J Donnelly		
Witnessed By	---		
Borehole Record		Tubing Record	
Run Number	Bit From To	Size	Weight From To
Casing Record	Size (in)	WdL (lbs/ft)	Grade
Surface Casing	9.5/8	32.3	H-40
Intermediate #1	4 1/2	11.6	P-110
Intermediate #2			Surface
Liner			Bottom
			1100 FT
			9354 FT

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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	
<p>Log ran as per customer request Depth referenced to Kelly Bushing at 24 FT Marker joint logged from 5286 FT to 5308 FT Estimated Top of Cement is 4150 FT</p> <p>Thank you for choosing Reliance Oilfield Services, LLC!!</p>	



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	5.92		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 (211461) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			DSS_RAC-RAC_5-Arm 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00
CCL	1.77		UW_PGR-UW_PGR_020 (10013902) Production Gamma Ray	1.92	1.69	9.50
			DSS_RAC-RAC_5-Arm 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00
TEMP	0.37		UW_CCL-UW_CCL_028 (10026421) 3-1/8" Ultrawire Casing Collar Locator	1.61	3.13	36.00
HVOLT	0.00		UW_PRT-PRT_016 (10025093) Platinum Resistance Thermometer	1.04	1.69	5.20
ITEMP	0.00		UW_BUL-UW_BUL_006 (10019730) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
TSTAMP	0.00					
Dataset:		processed_tep_youberg sr 431-12_temp_07-24-17.db: field/well/run1/Main1				
Total length:		12.71 ft				
Total weight:		128.80 lb				
O.D.:		3.13 in				

Calibration Report					
Database File c:\programdata\warrior\data\tep_youberg sr 431-12_temp_07-24-2017\processed_tep_youberg sr 431-12_temp_07-24-17.db					
Dataset Pathname Main1					
Dataset Creation Mon Jul 24 00:56:45 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: 10013902					
Tool Model: UW_PGR_020					
Performed: (Not Performed)					
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		

		Company TEP Rocky Mountain LLC Well Youberg SR 431-12 Field Rulison County Garfield State Colorado
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