RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

TEMPERATURE CCL LOG

Company	TEP ROCKY MOUNTAIN LLC		
Well	SR 44-12		
Field	RULISON		
County	GARFIELD	State	COLORADO

Location: API #: 05-045-23250
QtrQtr: NWSW
LAT. 39.452158
LON. -107.825839
SEC 7 TWP 7S RGE 93W

Other Services

Permanent Datum	G.L.	Elevation	7357'	Elevation
Log Measured From	K.B.	Ft Above PD	24.0'	K.B. 7381' D.F. G.L. 7357'
Drilling Measured From	K.B.			

Date	12-18-2016	
Run Number	ONE	
Depth Driller	9561'	
Present Depth Driller	9524'	
Depth Logger	9534'	
Bottom Logged Interval	9534'	
Top Log Interval	SURFACE	
Fluid Level	FULL	
Type Fluid	WATER	
Max. Recorded Temp.	178.5°F	
Estimated Cement Top	4212'	
Equipment Number	216	
Location	GRAND JCT.	
Recorded By	MONTANO	MCBROOM
Witnessed By	MR. BROWN	

Borehole Record			Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				4.50"	11.6#	SURFACE	9551'

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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.

WARRIOR 7.0 SOFTWARE - Comments

NOTE; THERE WAS NO LOG FOR DEPTH CONTROL.
SCALE MAIN PASS 5"= 100'.
NOTE; SHORT JOINT AT 5642' TO 5664'.

Calibration Report

Database File: 121816_tep_sr_44-12.db
Dataset Pathname: mainpass/pass1.1
Dataset Creation: Sun Dec 18 06:39:07 2016 by Calc SCH 120430

Temperature Calibration Report

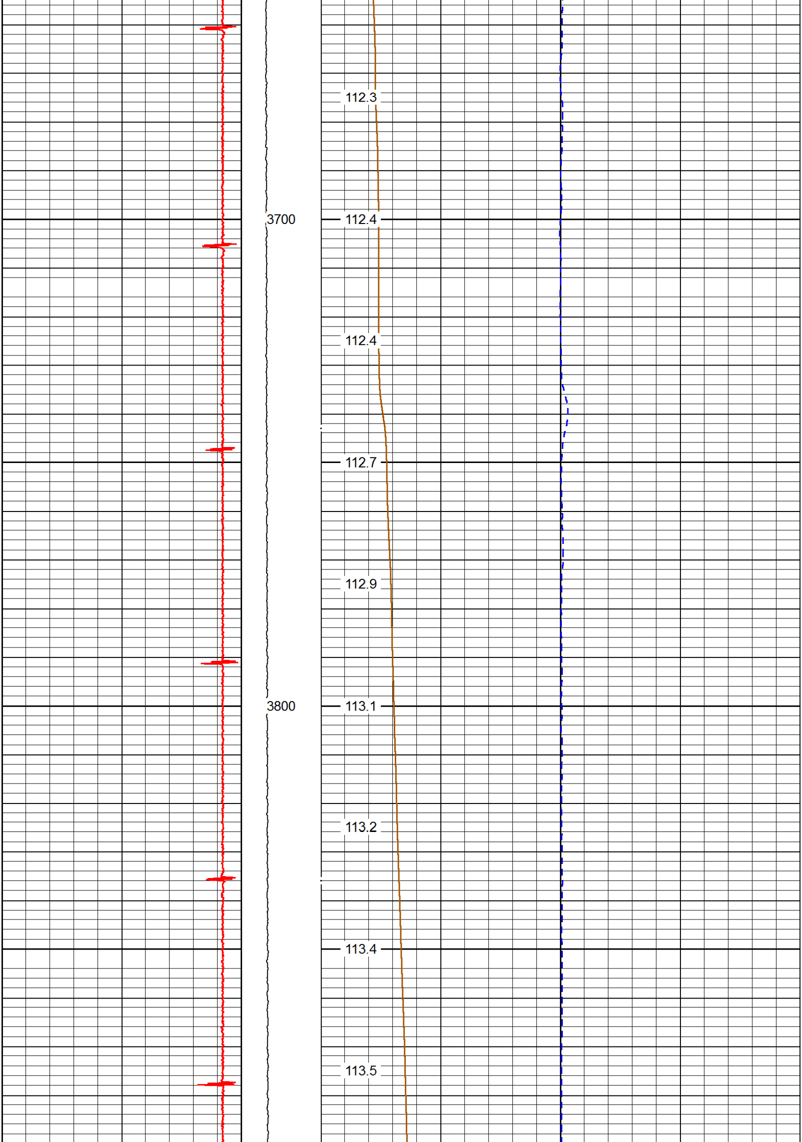
Serial Number: 10006811
Tool Model: 016
Performed: Mon Apr 30 17:22:18 2012

Point #	Reading		Reference	
1	11649.00	cps	65.14	degF
2	18183.00	cps	105.26	degF
3	29168.00	cps	174.16	degF
4	40750.00	cps	246.15	degF
5	51960.00	cps	317.35	degF
6	57688.00	cps	353.34	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

MAIN PASS

Database File: 121816_tep_sr_44-12.db
Dataset Pathname: mainpass/pass1
Presentation Format: rmws_tem
Dataset Creation: Sun Dec 18 04:46:17 2016 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240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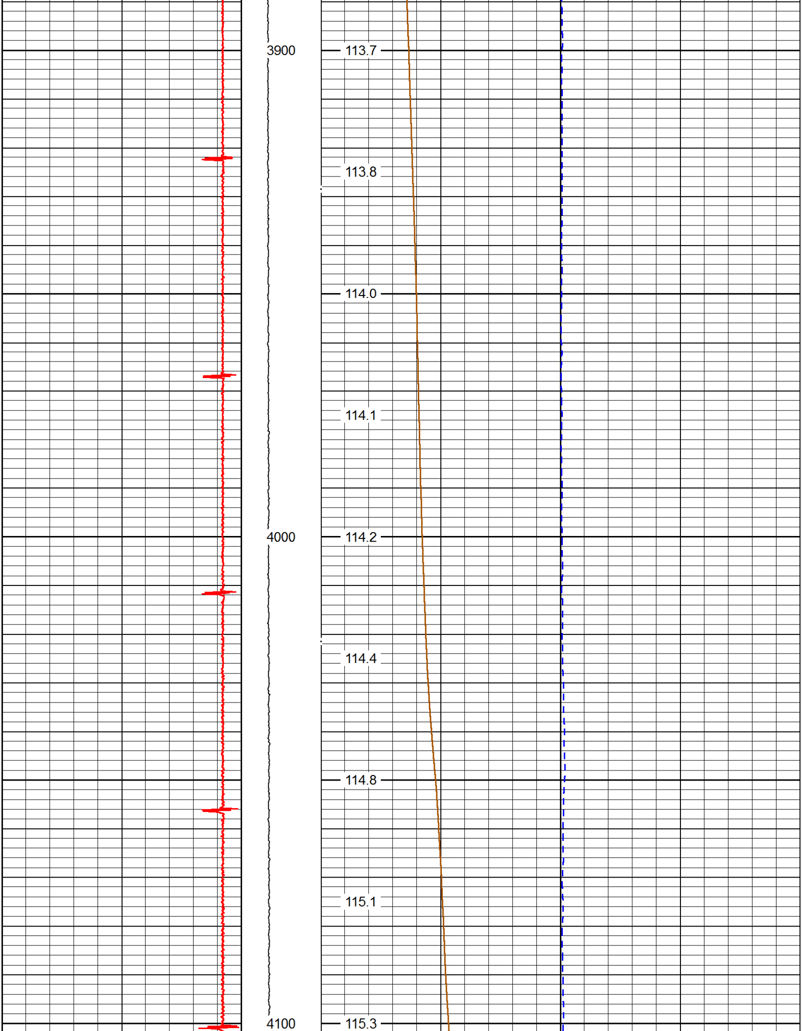
113.1
113.2
113.4
113.5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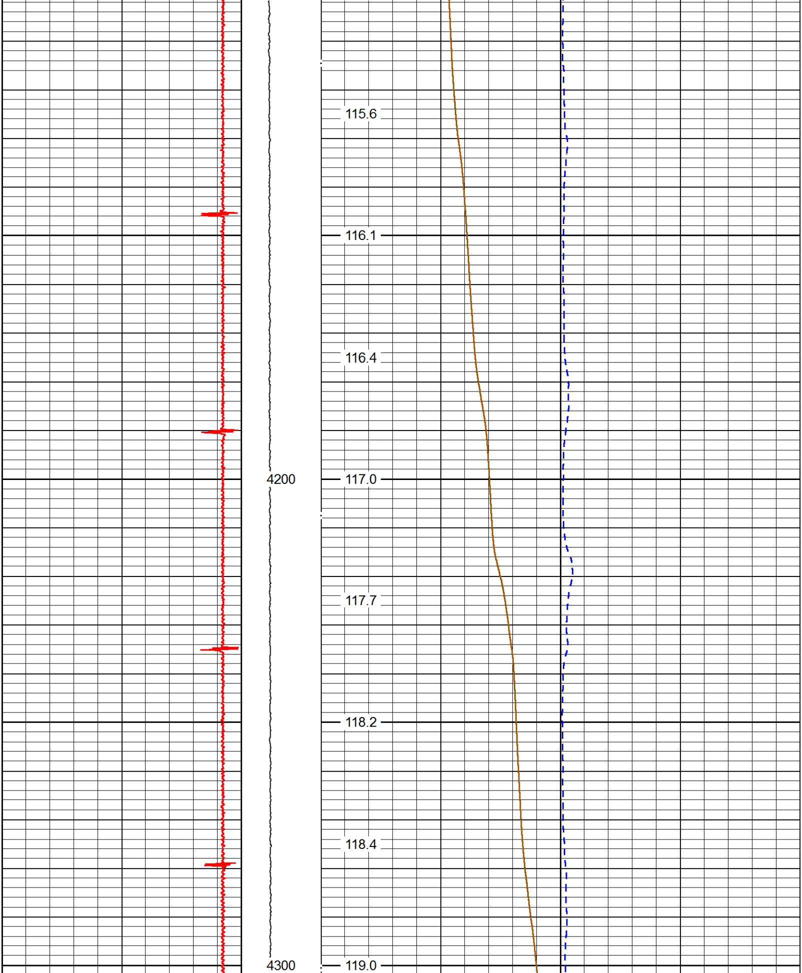
115.3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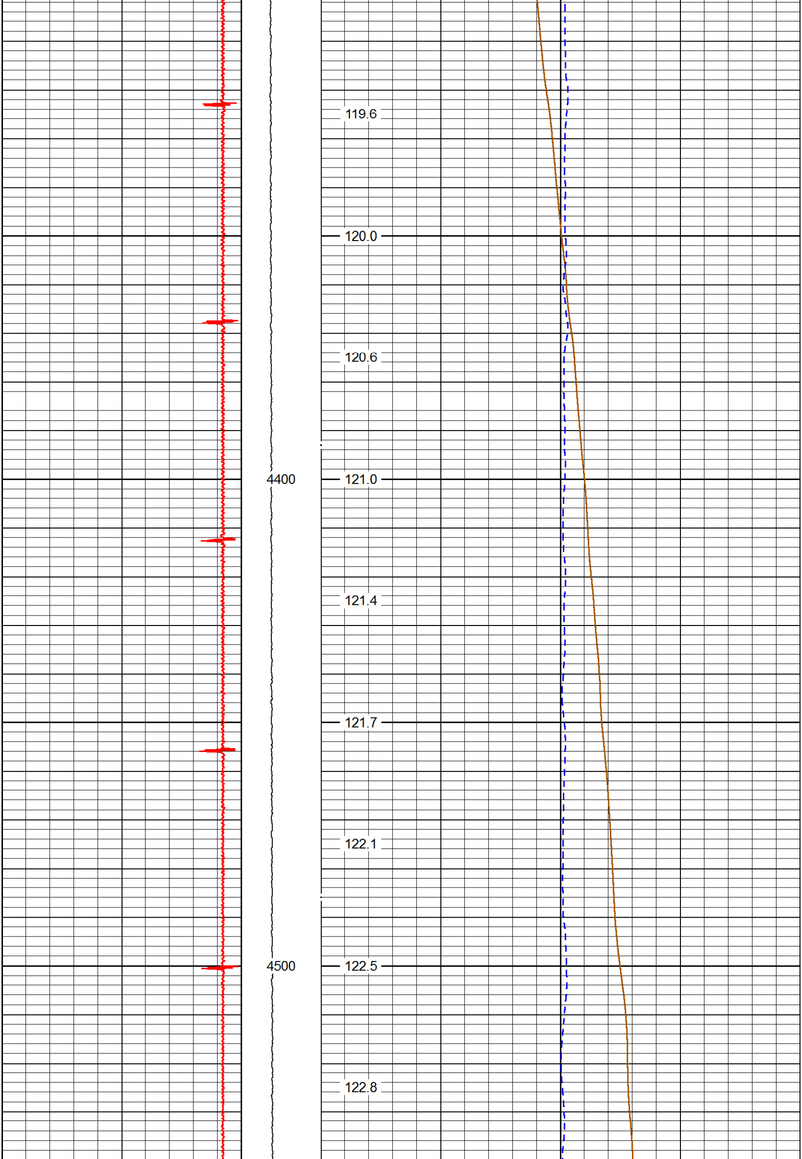
118.4
4300
119.0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121.0
121.4
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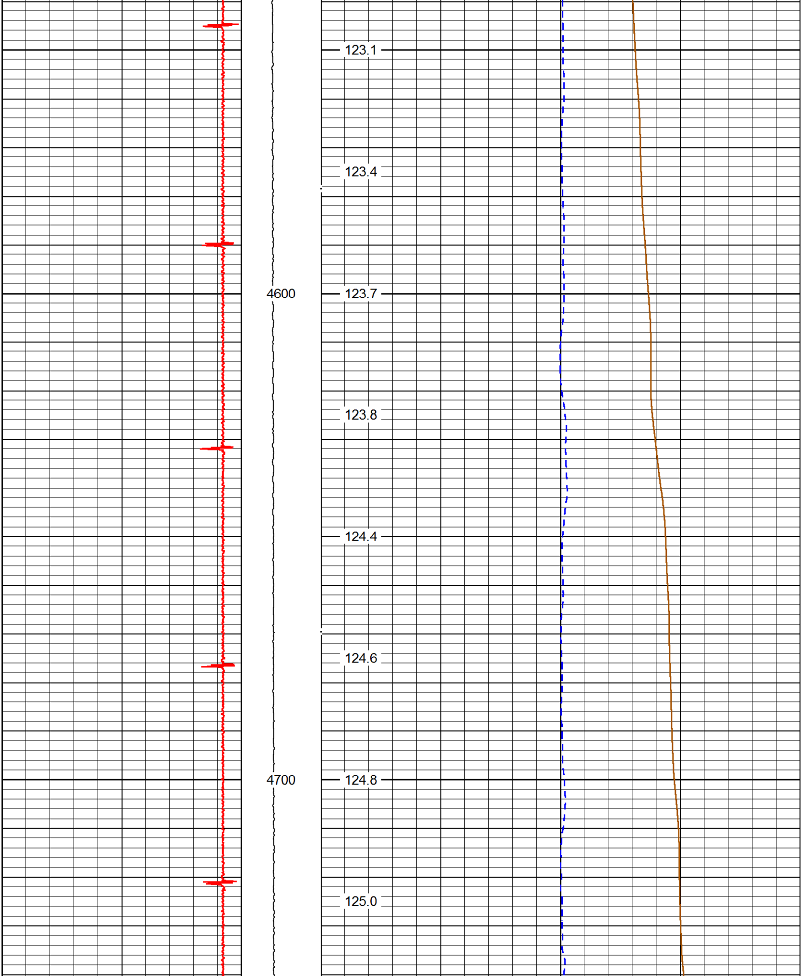
122.1
4500
122.5
122.8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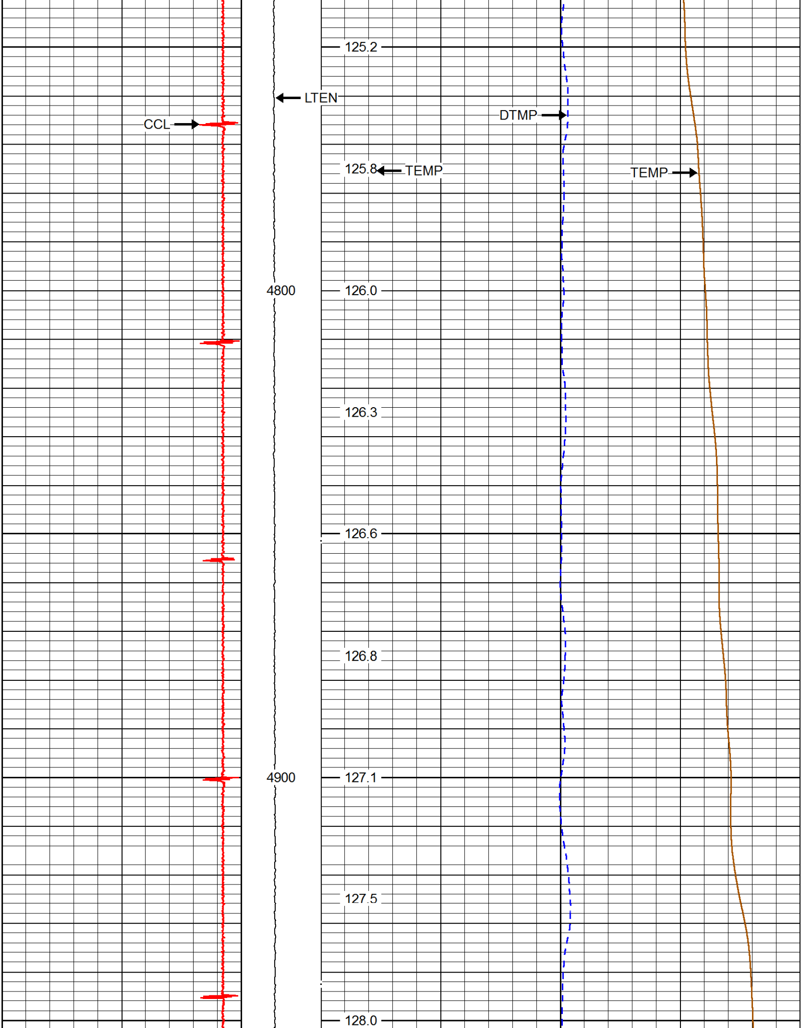
CCL
LTEN
DTMP
TEMP
TEMP
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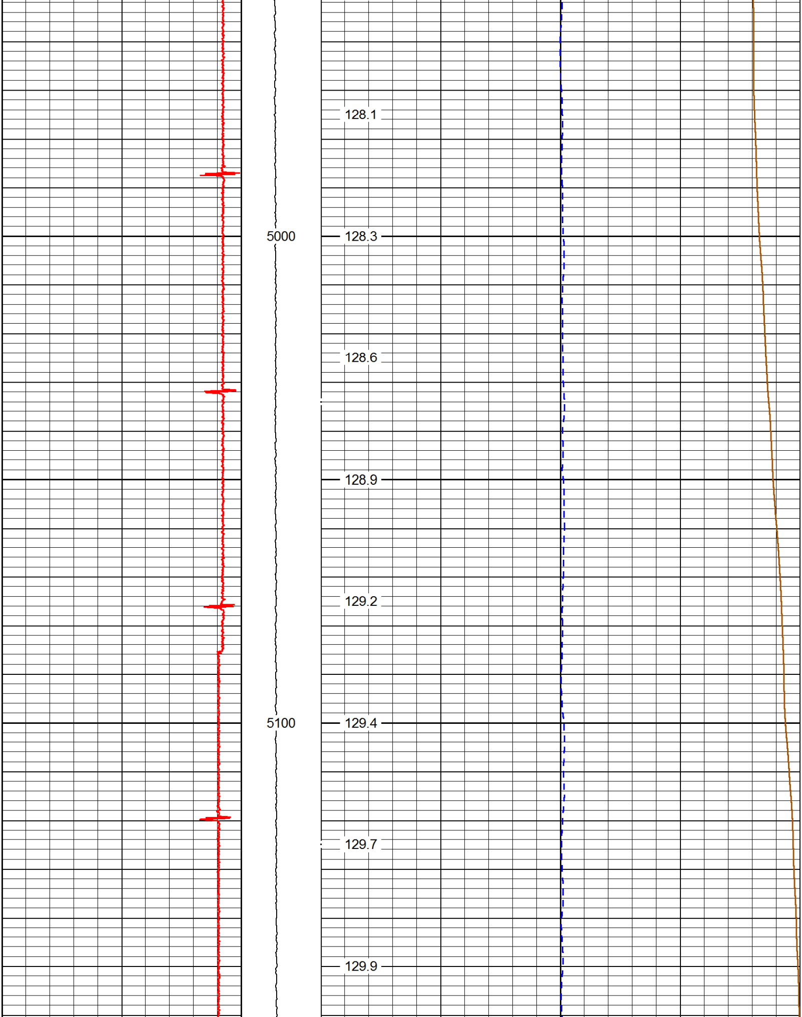
127.1
127.5
128.0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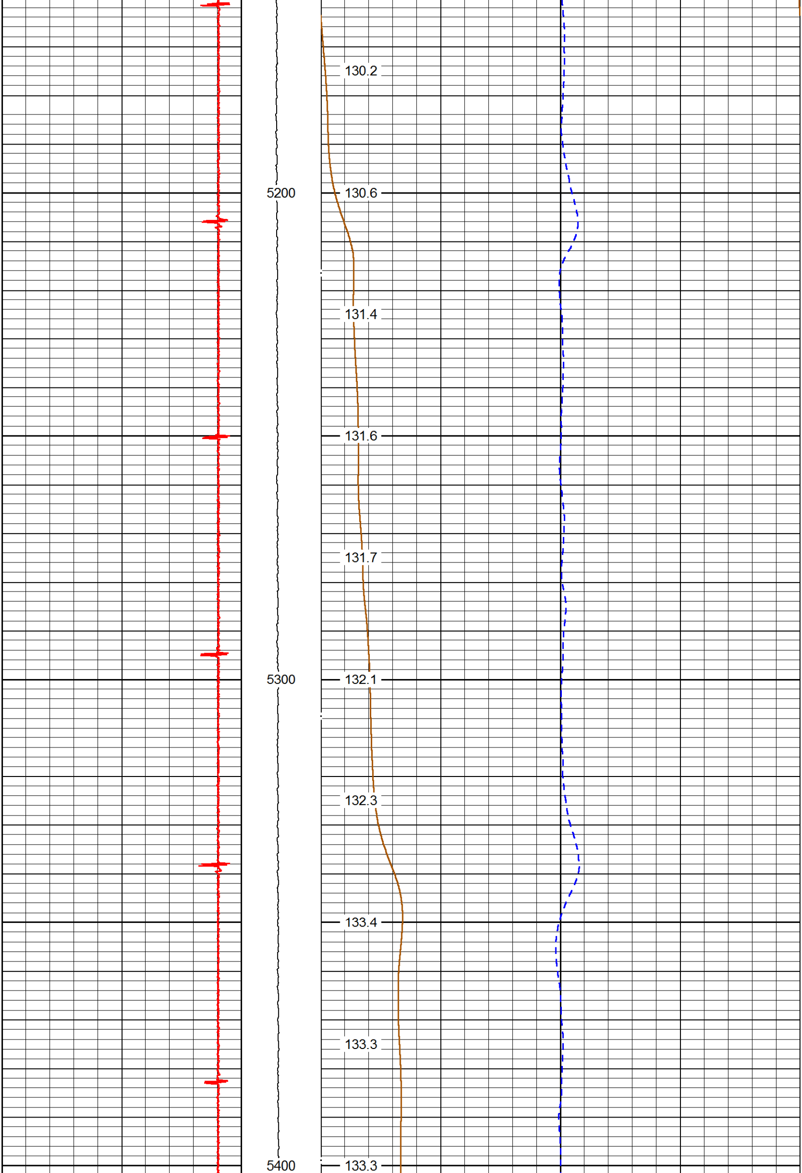
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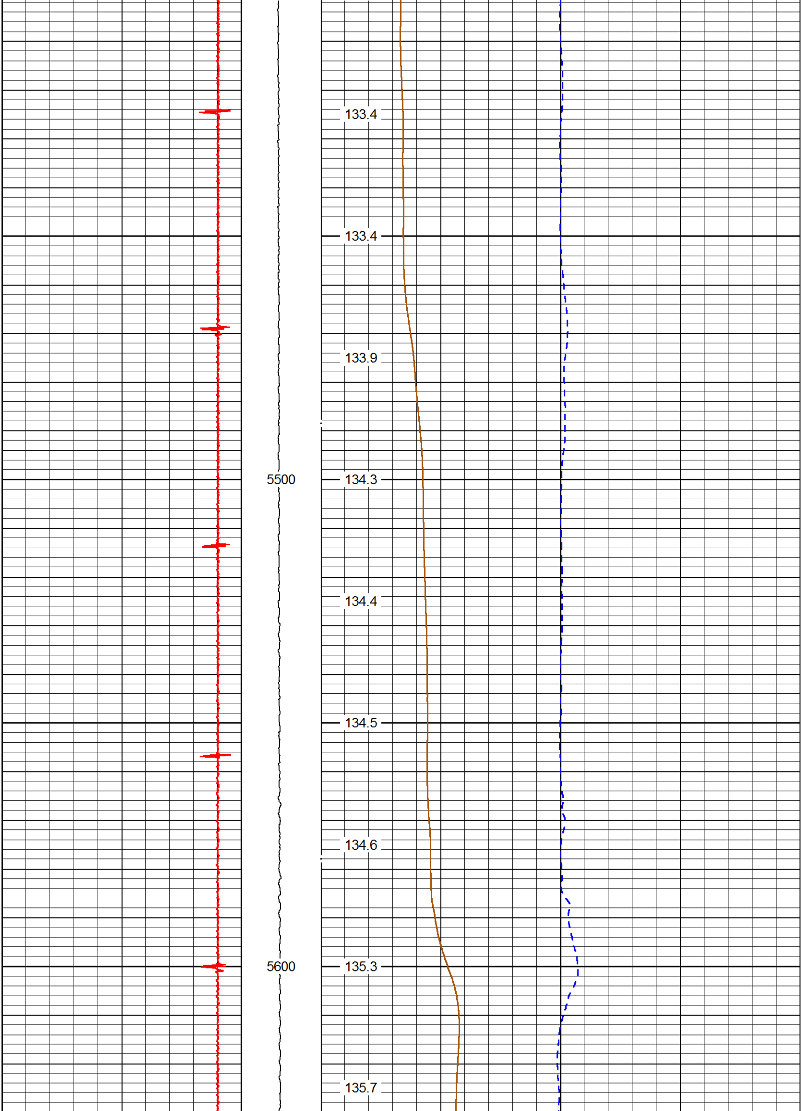
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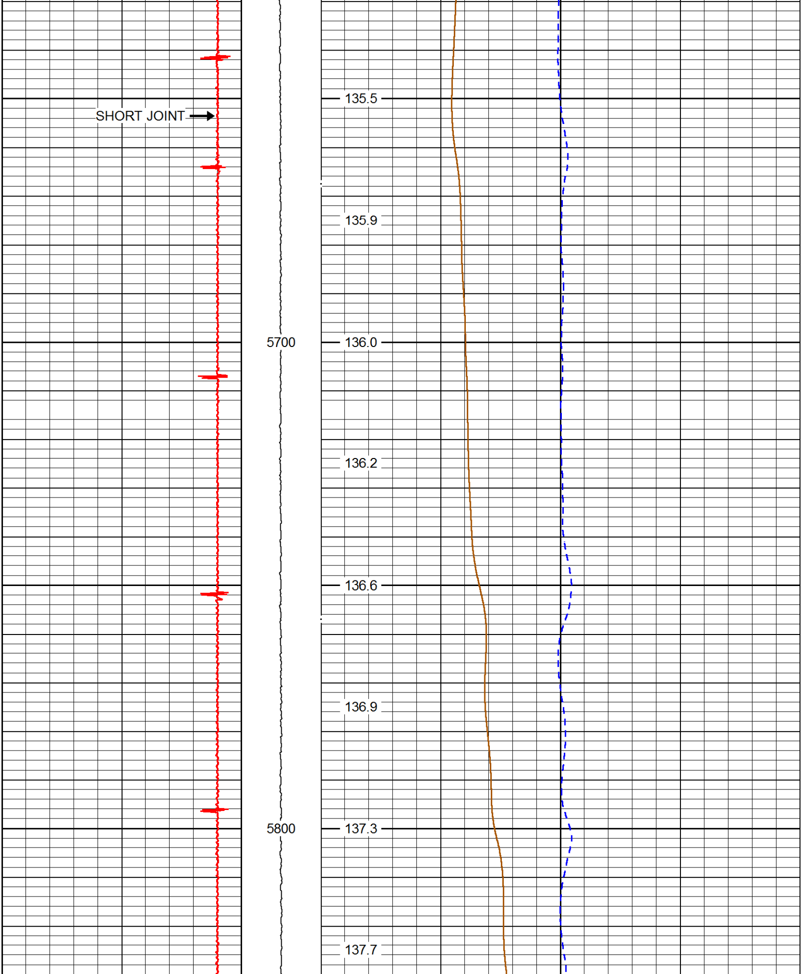
SHORT JOINT
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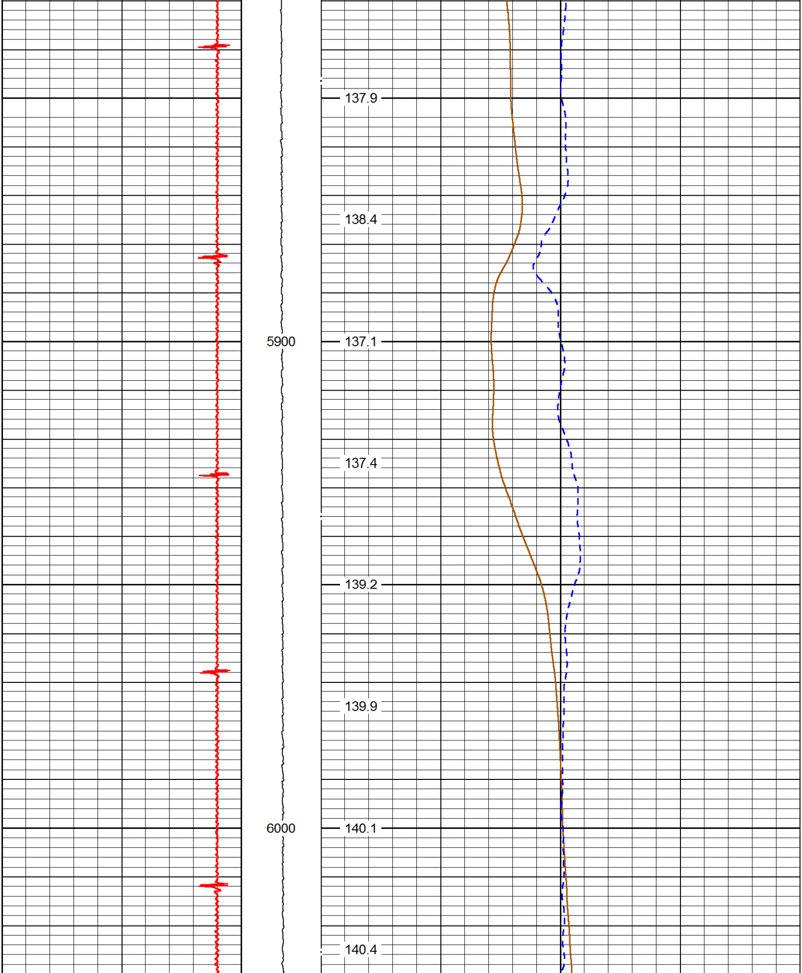
137.3
137.7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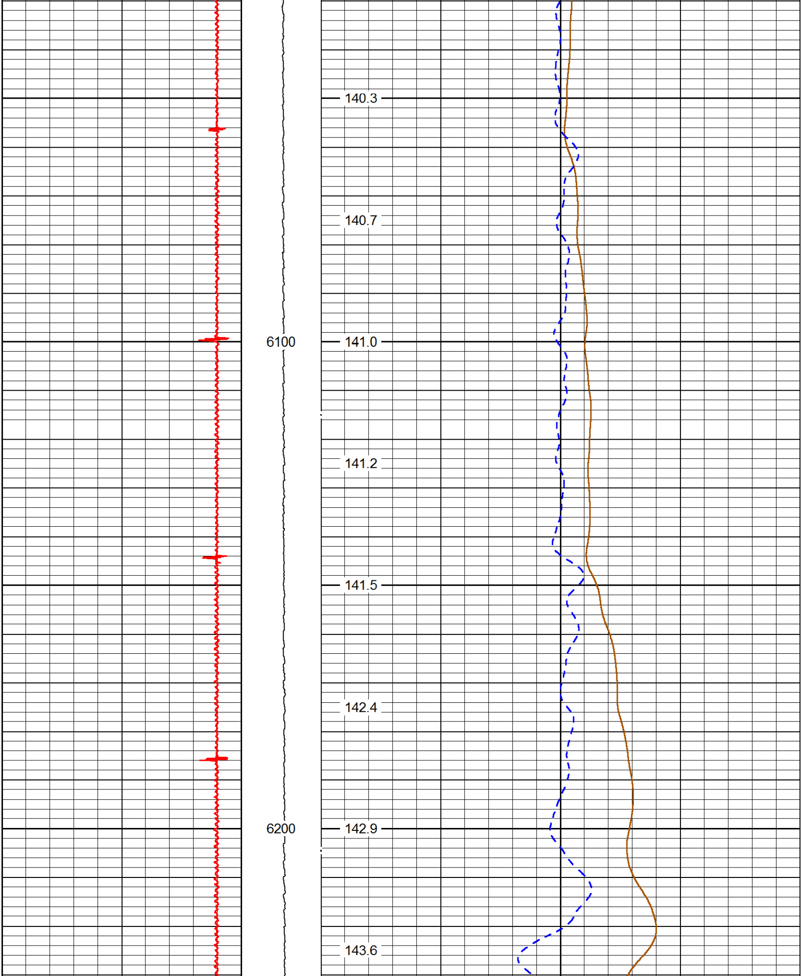
6000
140.1
140.4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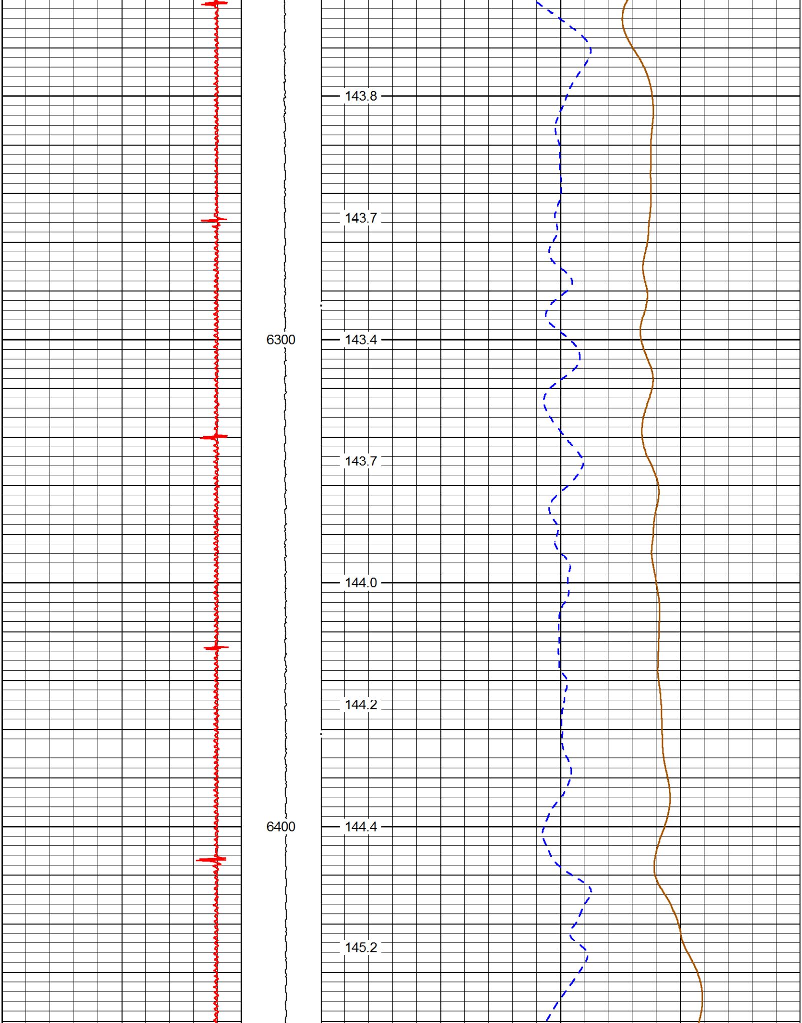
142.9
143.6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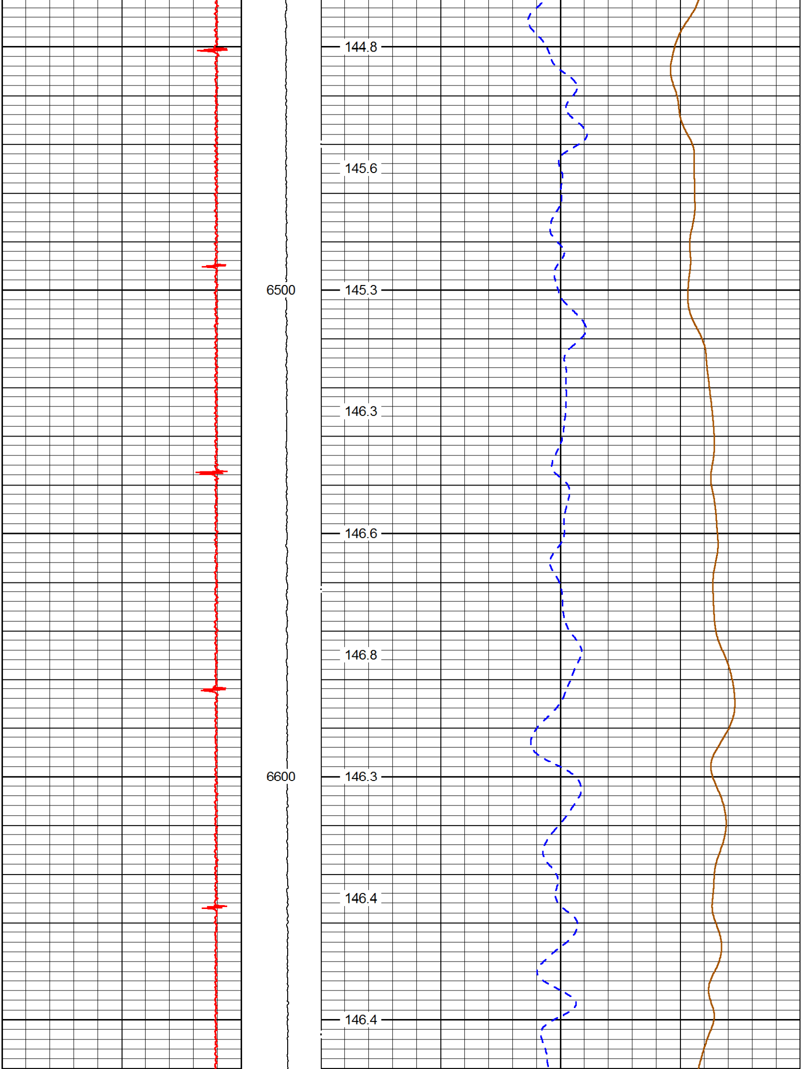
144.4
145.2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145.3
146.3
146.6
146.8
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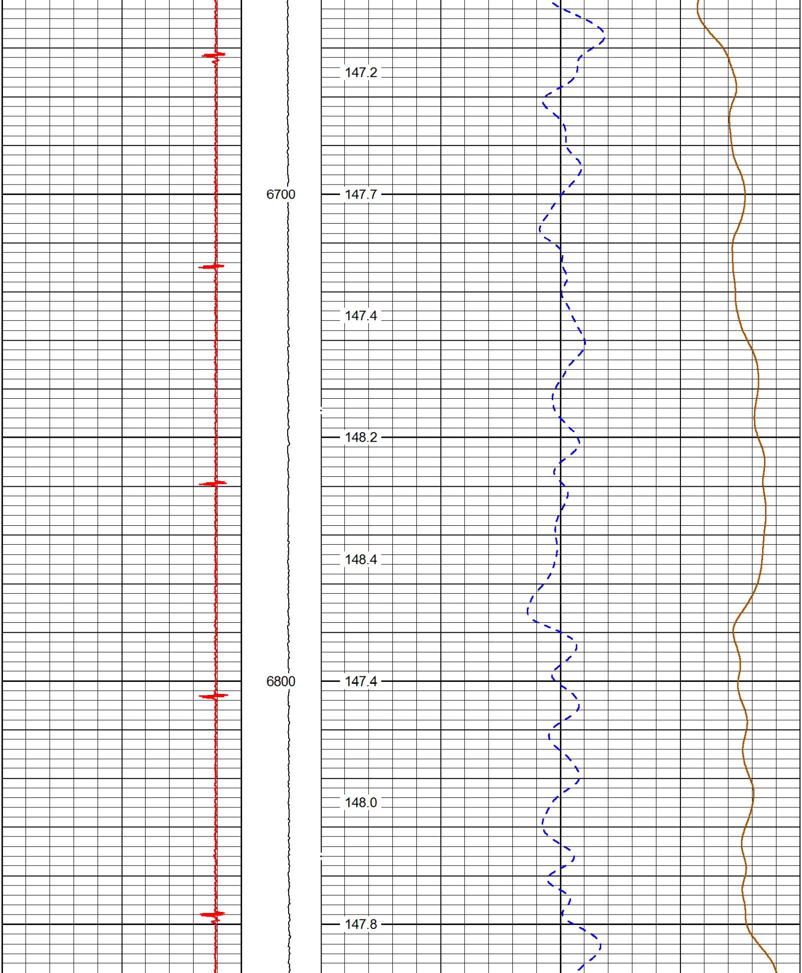
146.3
146.4
146.4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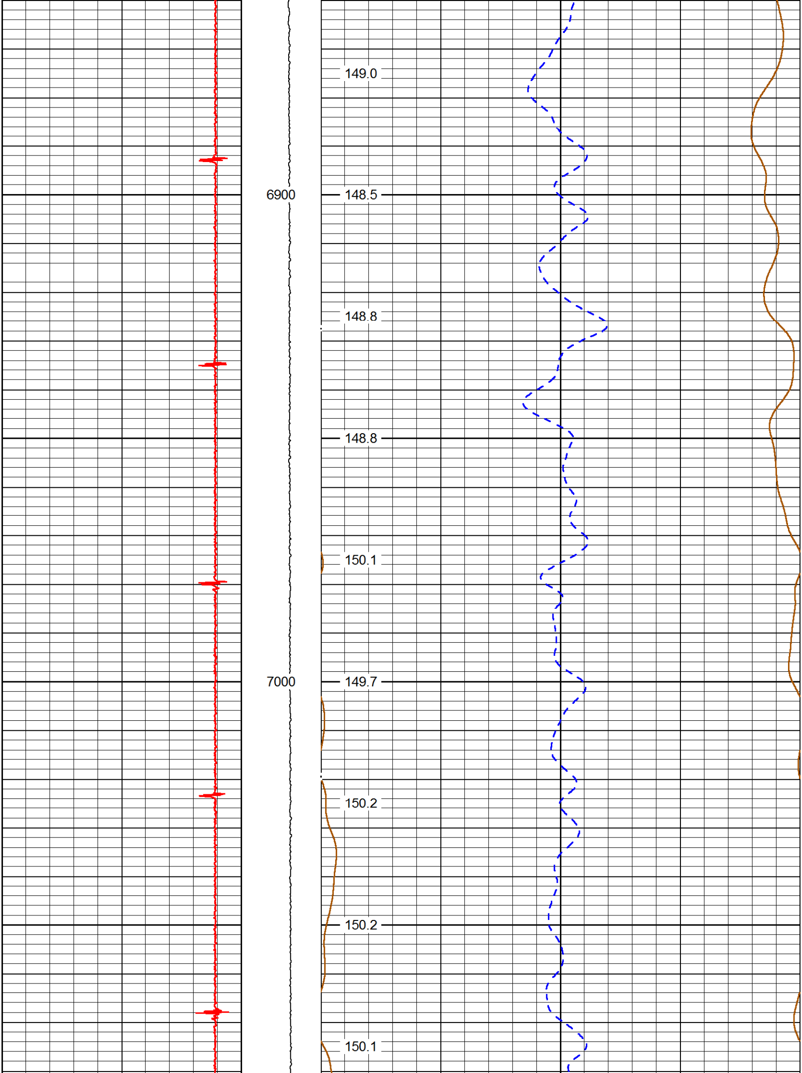
148.0
147.8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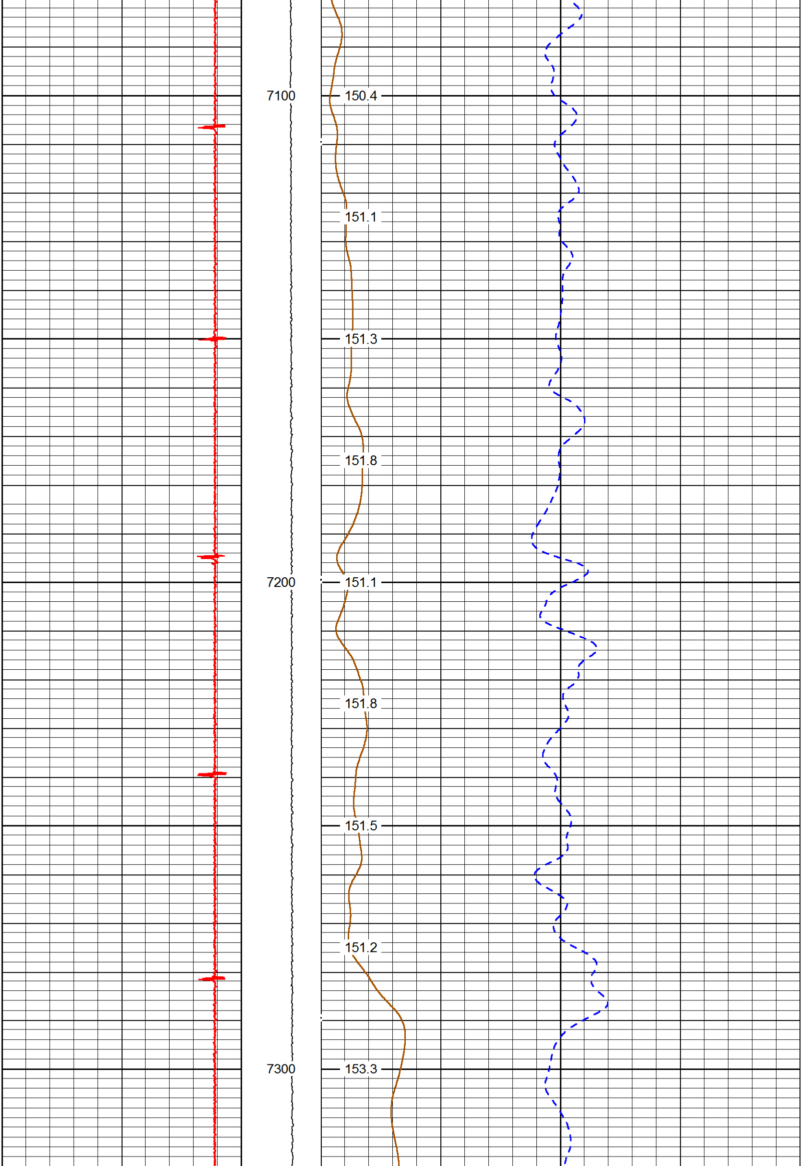
150.2
150.1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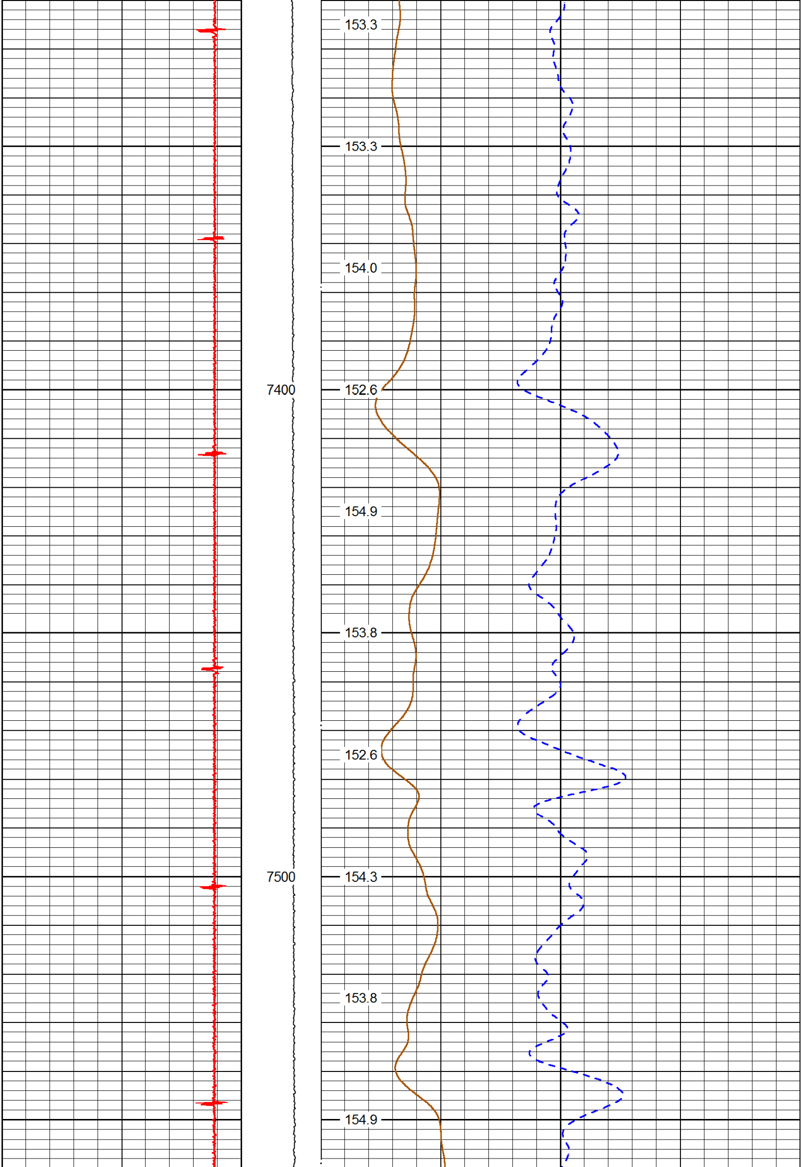
153.3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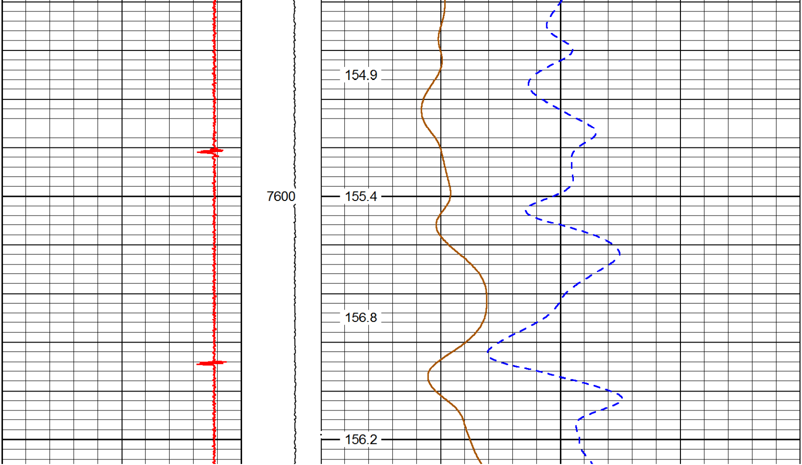
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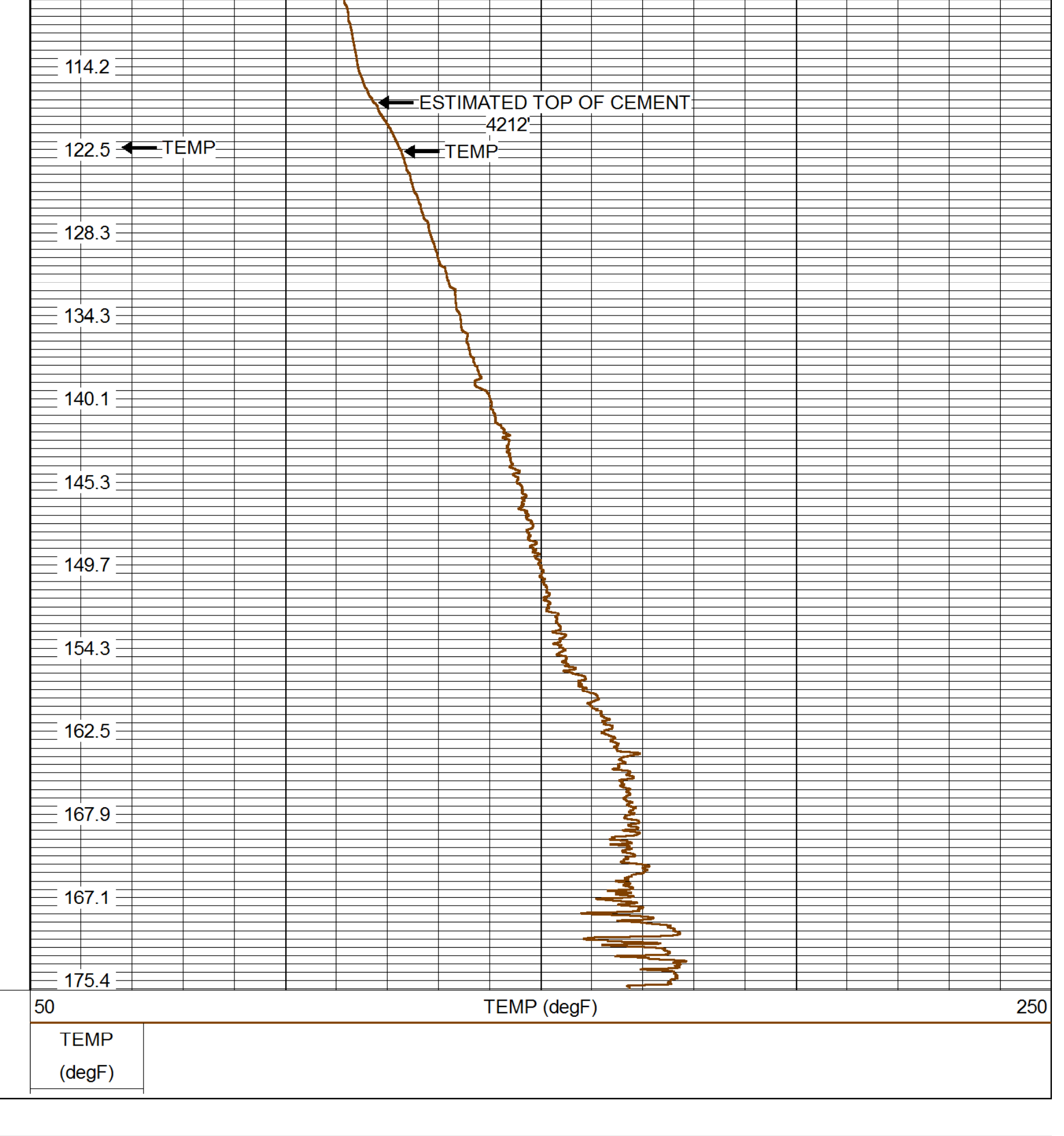
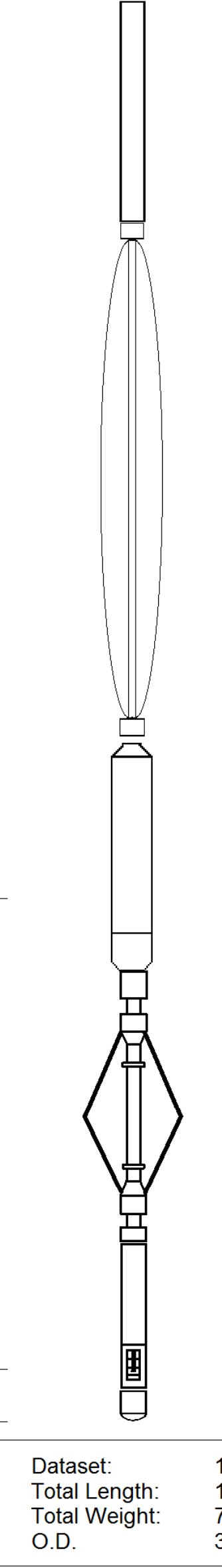
MAIN PASS (QUICK LOOK)

Database File: 121816_tep_sr_44-12.db
Dataset Pathname: mainpass/pass1.1
Presentation Format: rmtmp_ql
Dataset Creation: Sun Dec 18 06:39:07 2016 by Calc SCH 120430
Charted by: Depth in Feet scaled 1:10000



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-AES (000001) Cable Head	1.04	1.69	2.00
			XTU-002 (216414) Crossover Ultrawire Toolbus To Ultralink	1.58	1.69	6.50
			PRC-123 (BS-101) SIE-Bowspring centralizer with Applied adaptors-1 11/16"	3.68	1.69	15.00
CCL	3.69		CCL-028 (1037) CCL UW 3 1/8" SONDEX	1.61	3.13	36.00
			PRC-001 (C-1061) Production Roller Centraliser (3 Arm)	1.92	1.69	7.00
TEMP TSTAMP ITEMPX HVOLTX	0.37 0.00 0.00 0.00		PRT-016 (10006811) Platinum Resistance Thermometer	1.04	1.69	6.00
			BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset: 121816_tep_sr_44-12.db: field/well/mainpass/pass1.1
Total Length: 11.09 ft
Total Weight: 73.70 lb
O.D.: 3.13 in

Company	TEP ROCKY MOUNTAIN LLC
Well	SR 44-12
Field	RULISON
County	GARFIELD
State	COLORADO