TEMPERATURE CCL LOG

ROCKY MOUNTAIN WIRELINE SERVICE

Company	TEP ROCKY MOUNTAIN LLC		
Well	RU 23-7		
Field	RULISON		
County	GARFIELD	State	COLORADO
Location:	API # : 05-045-23232-00 QtrQtr; SENW LAT. 39.456926 LOG. -107.819738 SEC 7 TWP 7S RGE 93W	Other Services	
Permanent Datum	G.L.	Elevation 7339'	Elevation K.B. 7363' D.F. G.L. 7339'
Log Measured From	K.B.	Ft Above PD 24.0'	
Drilling Measured From	K.B.		

Date	08-15-2016	
Run Number	ONE	
Depth Driller	9474'	
Present Depth Driller	9432'	
Depth Logger	9430'	
Bottom Logged Interval	9430'	
Top Log Interval	SURFACE	
Fluid Level	FULL	
Type Fluid	WATER	
Max. Recorded Temp.	167 ° F	
Estimated Cement Top	3400'	
Equipment Number	218	
Location	GRAND JCT.	
Recorded By	MCBROOM	PACE
Witnessed By	MR. ABBEY	

Borehole Record			Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				4.50"	11.6#	SURFACE	9461'

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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 5206' TO 5228'

Calibration Report

Database File: 08152016_tep_ru23-7.db
Dataset Pathname: mainpass/pass1.1
Dataset Creation: Mon Aug 15 10:56:27 2016 by Calc SCH 120430

Temperature Calibration Report

Serial Number: 16-53
Tool Model: APPLIED
Performed: Tue Jan 31 09:43:33 2012

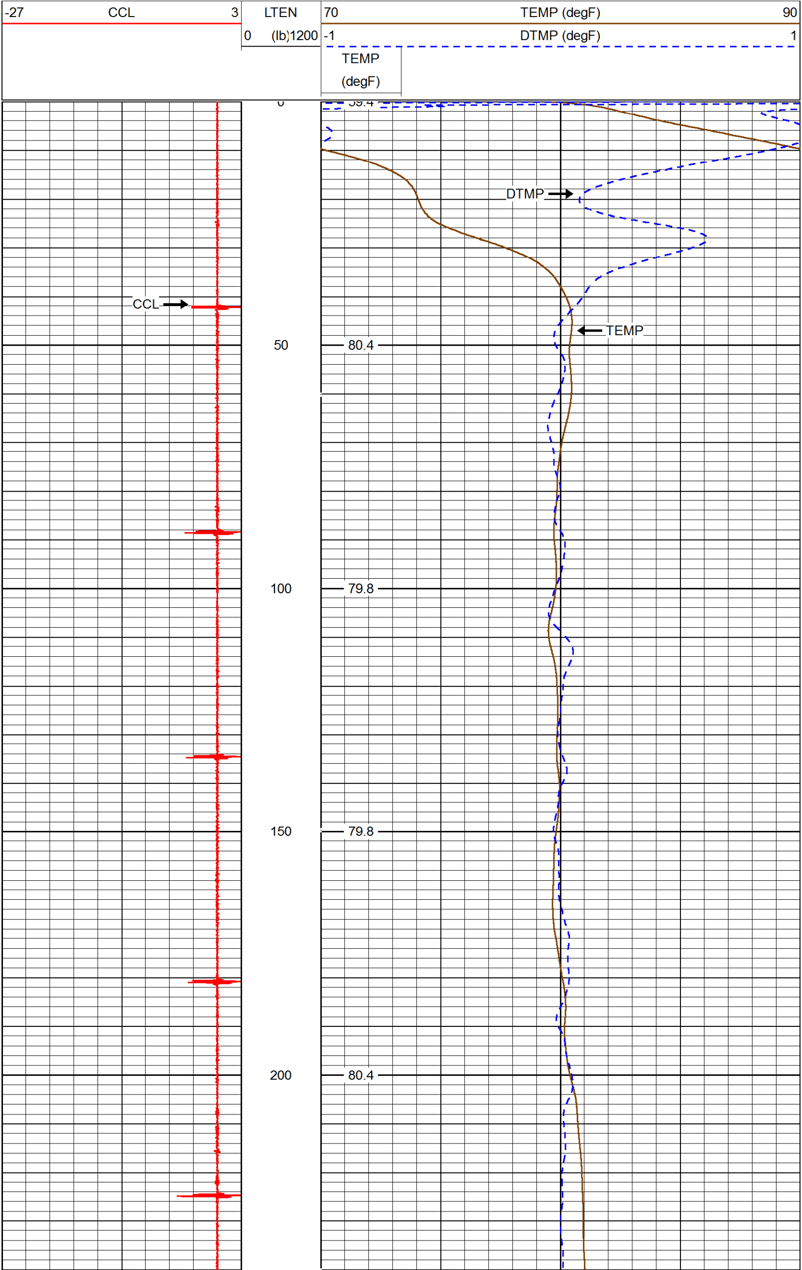
	Reference		Reading	
Low Reference:	0.00	degF	0.00	cps
High Reference:	1.00	degF	1.00	cps

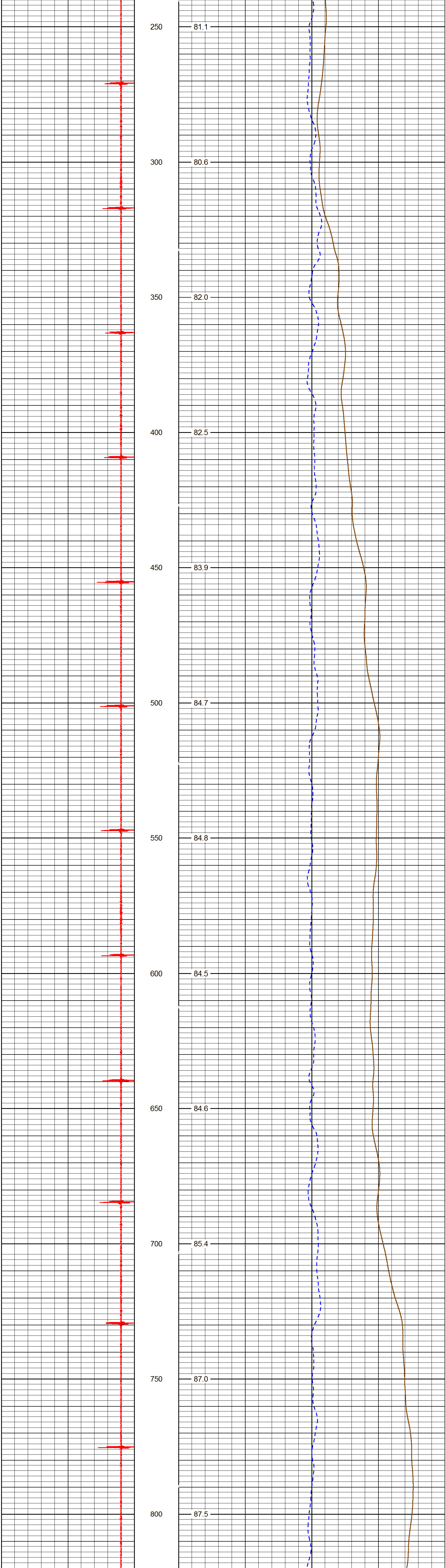
Gain: 0.10
Offset: 0.00
Delta Spacing: 2

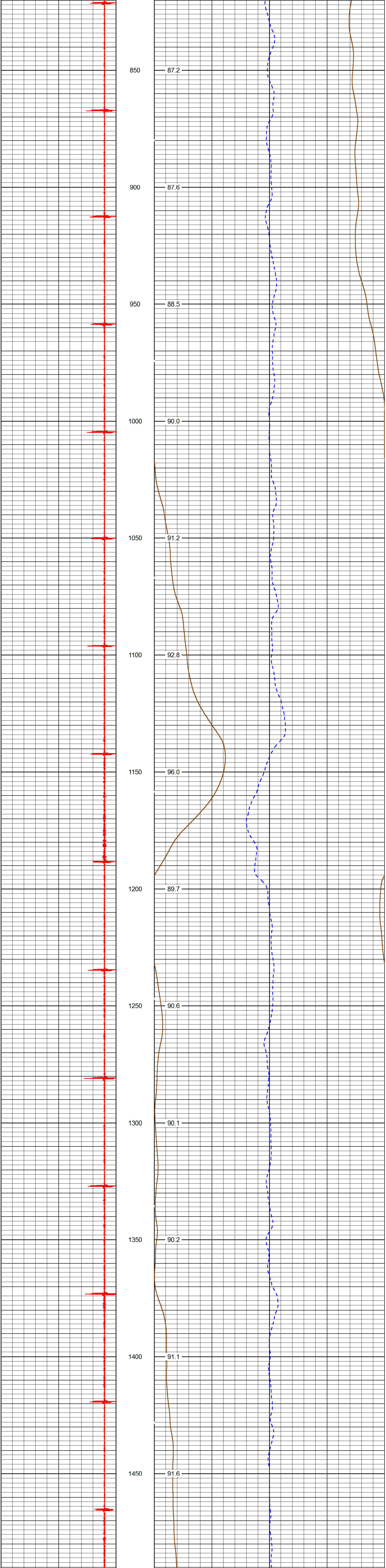
ROCKY MOUNTAIN WIRELINE SERVICE

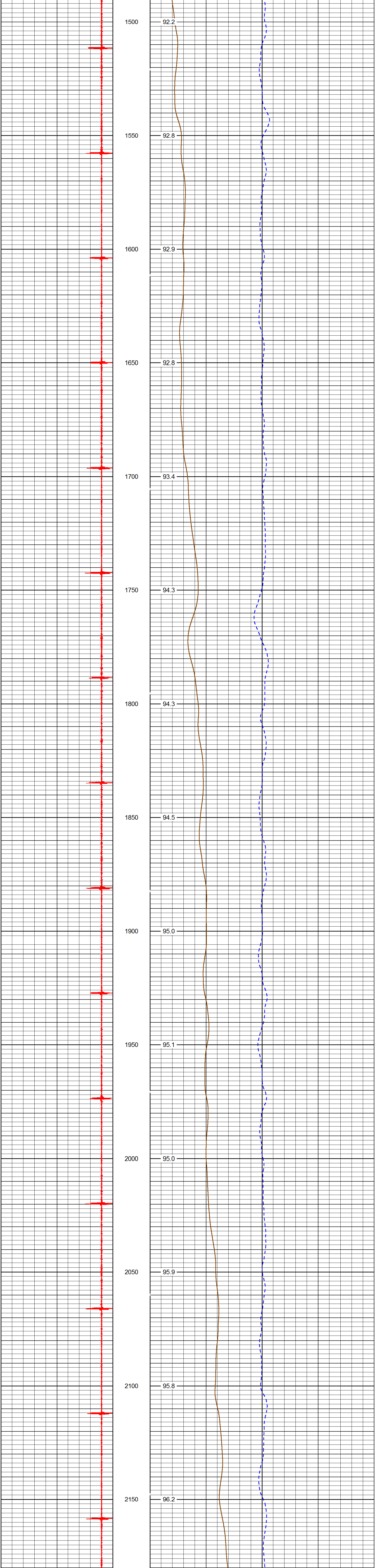
MAIN PASS

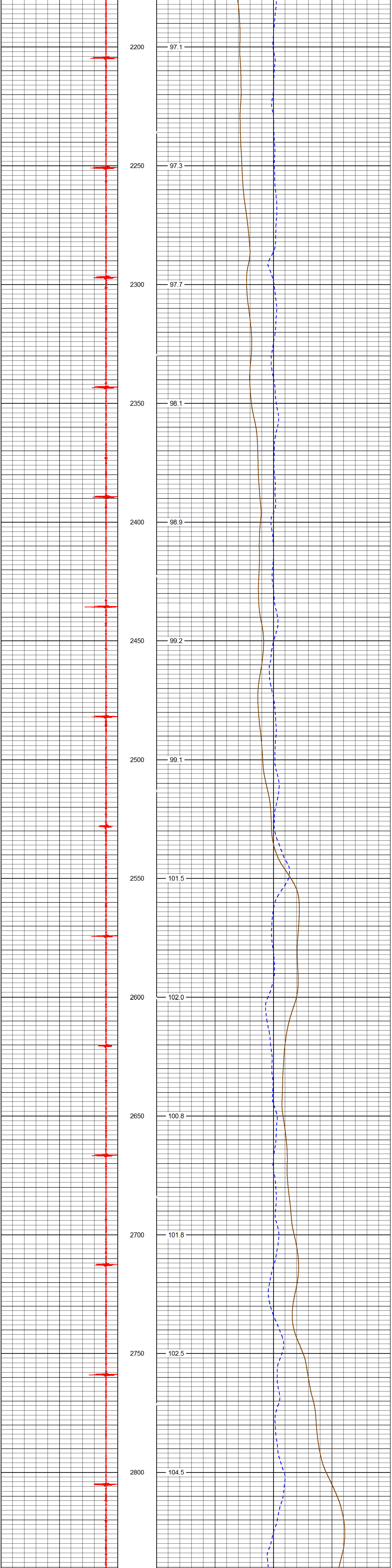
Database File: 08152016_tep_ru23-7.db
Dataset Pathname: mainpass/pass1
Presentation Format: rmws_temp
Dataset Creation: Mon Aug 15 08:58:01 2016 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

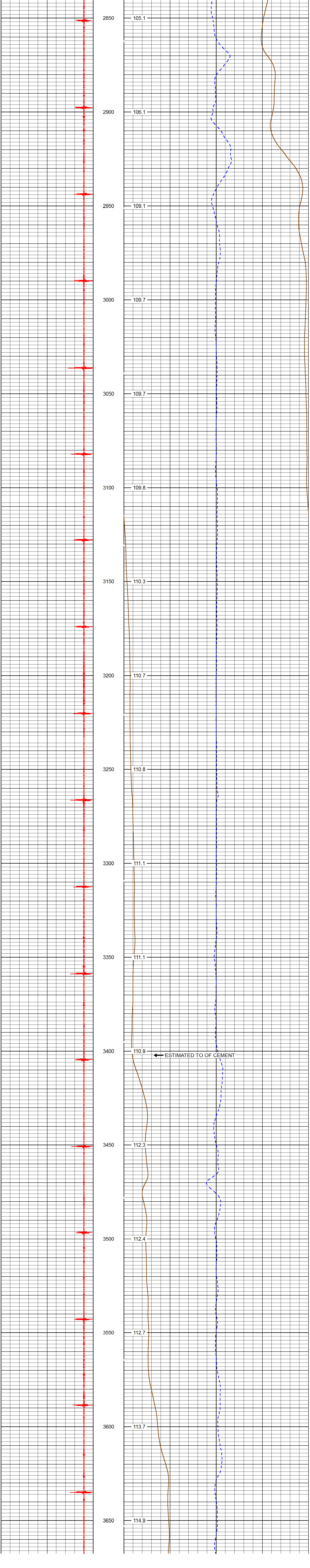


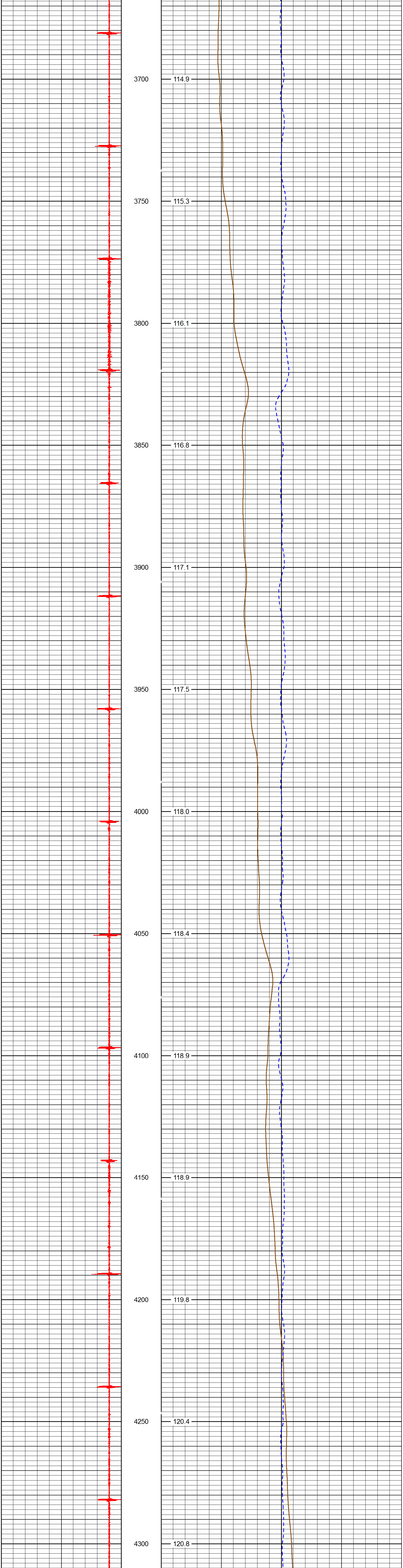


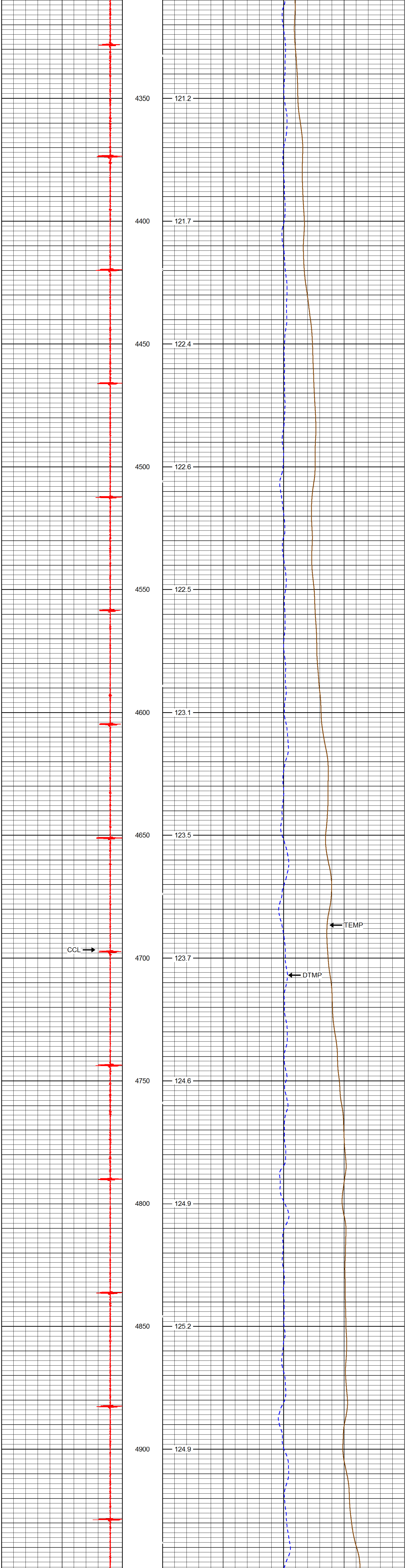









3700
114.9
3750
115.3
3800
116.1
3850
116.8
3900
117.1
3950
117.5
4000
118.0
4050
118.4
4100
118.9
4150
118.9
4200
119.8
4250
120.4
4300
120.8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121.2
4400
121.7
4450
122.4
4500
122.6
4550
122.5
4600
123.1
4650
123.5
TEMP
CCL
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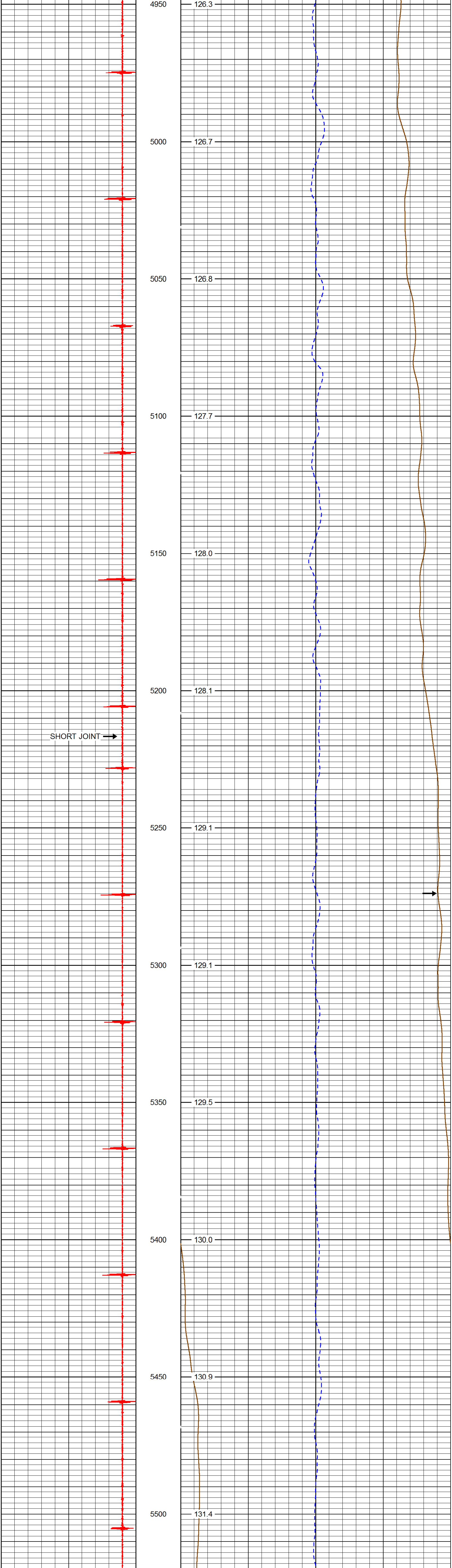
123.7
DTMP
4750
124.6
4800
124.9
4850
125.2
4900
124.9


4950
126.3
5000
126.7
5050
126.8
5100
127.7
5150
128.0
5200
128.1
SHORT JOINT
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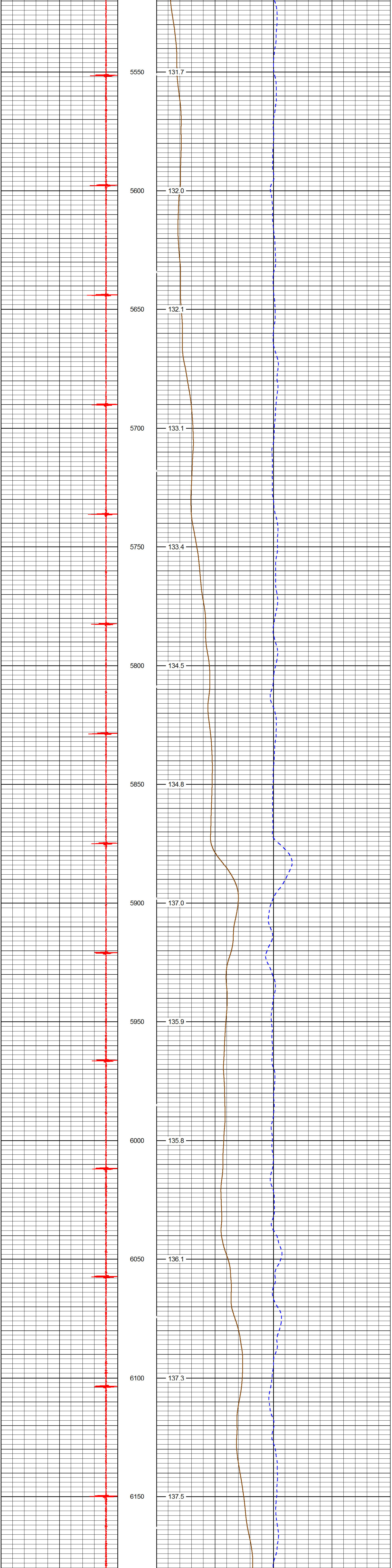
5300
129.1
5350
129.5
5400
130.0
5450
130.9
5500
131.4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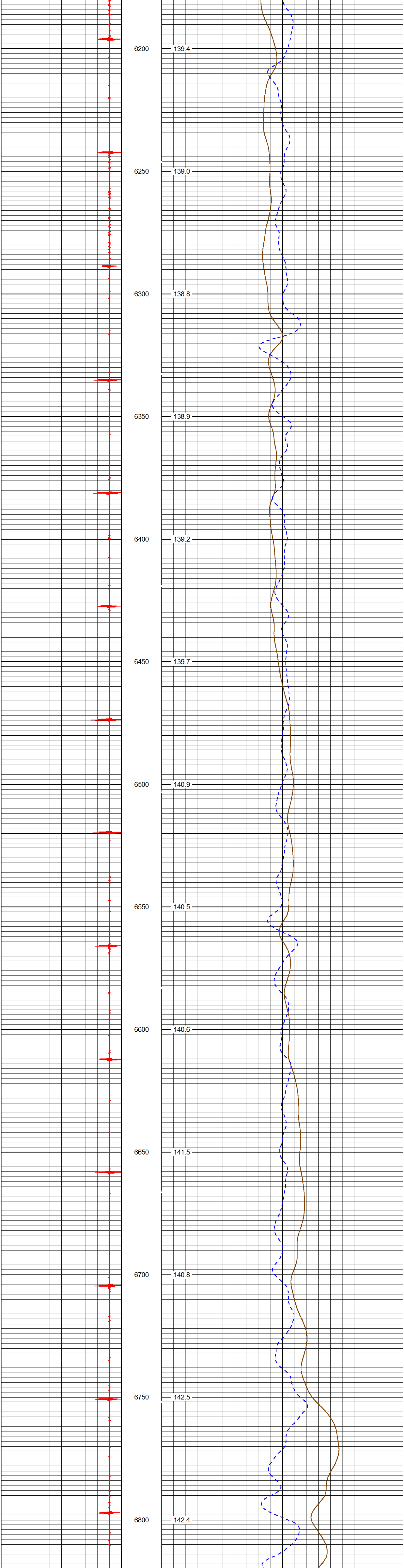
137.5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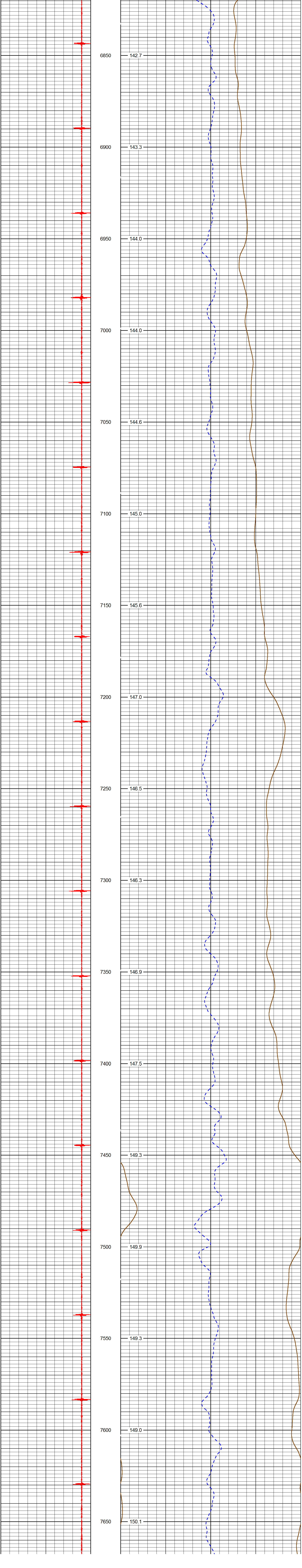
6750
142.5
6800
142.4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142.7
6900
143.3
6950
144.0
7000
144.0
7050
144.6
7100
145.0
7150
145.6
7200
147.0
7250
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7300
146.3
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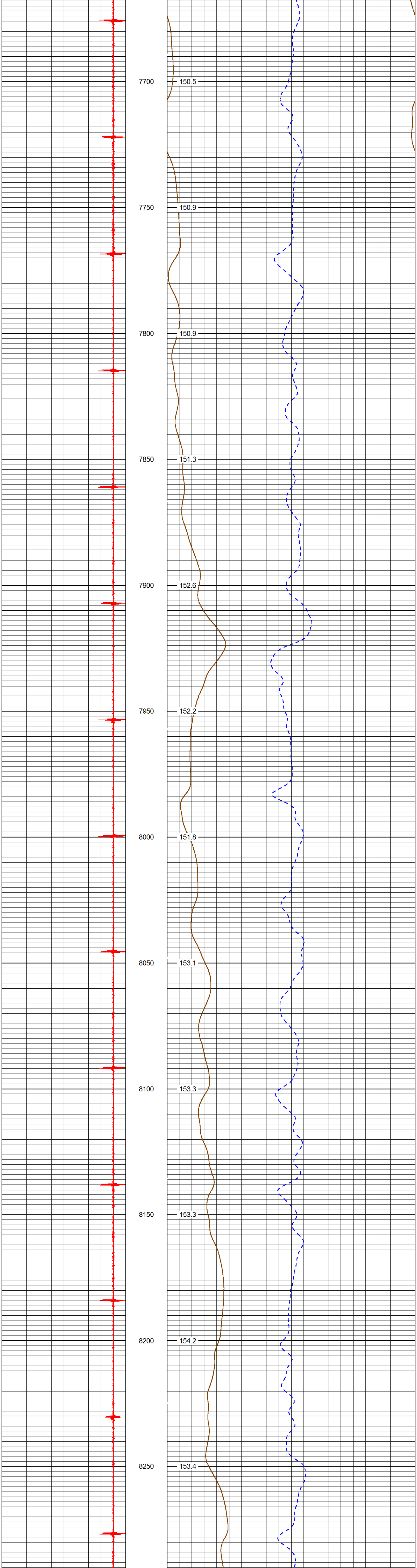
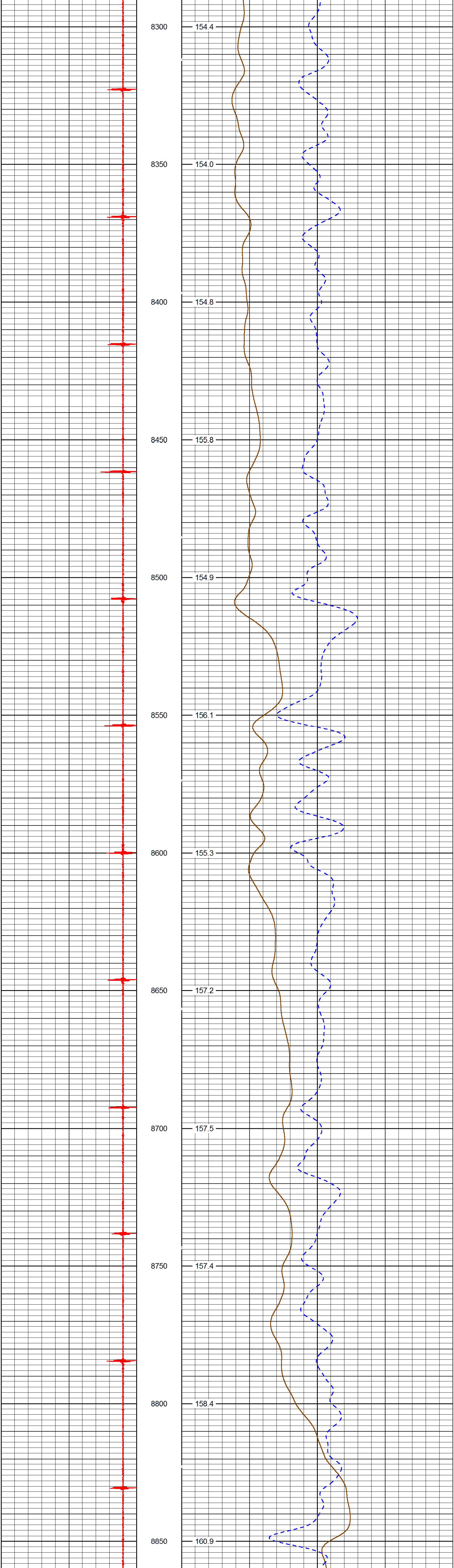
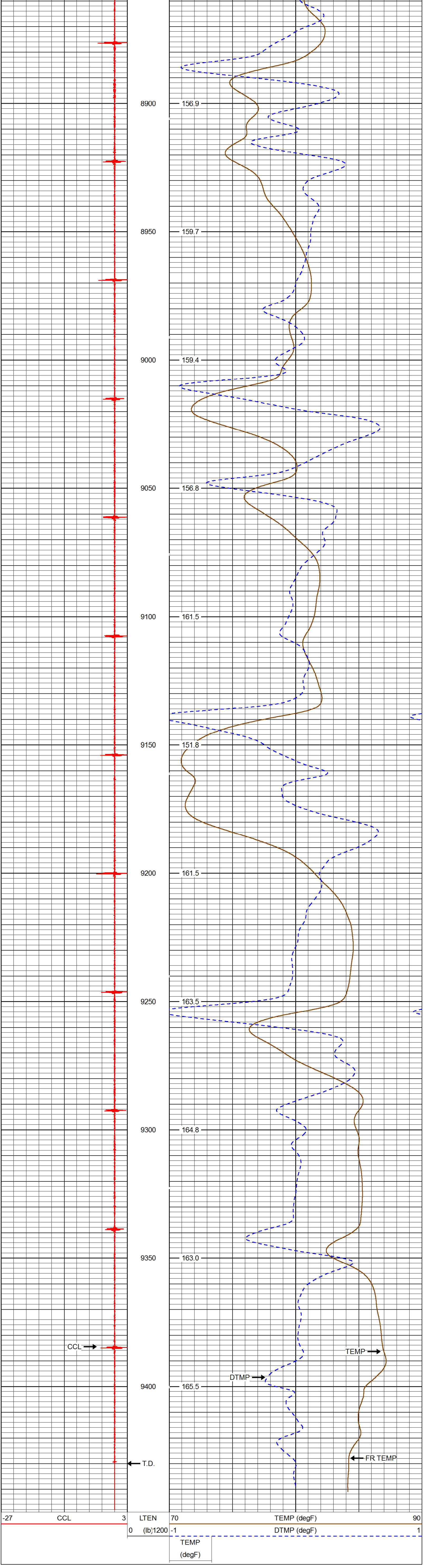
7650
150.1

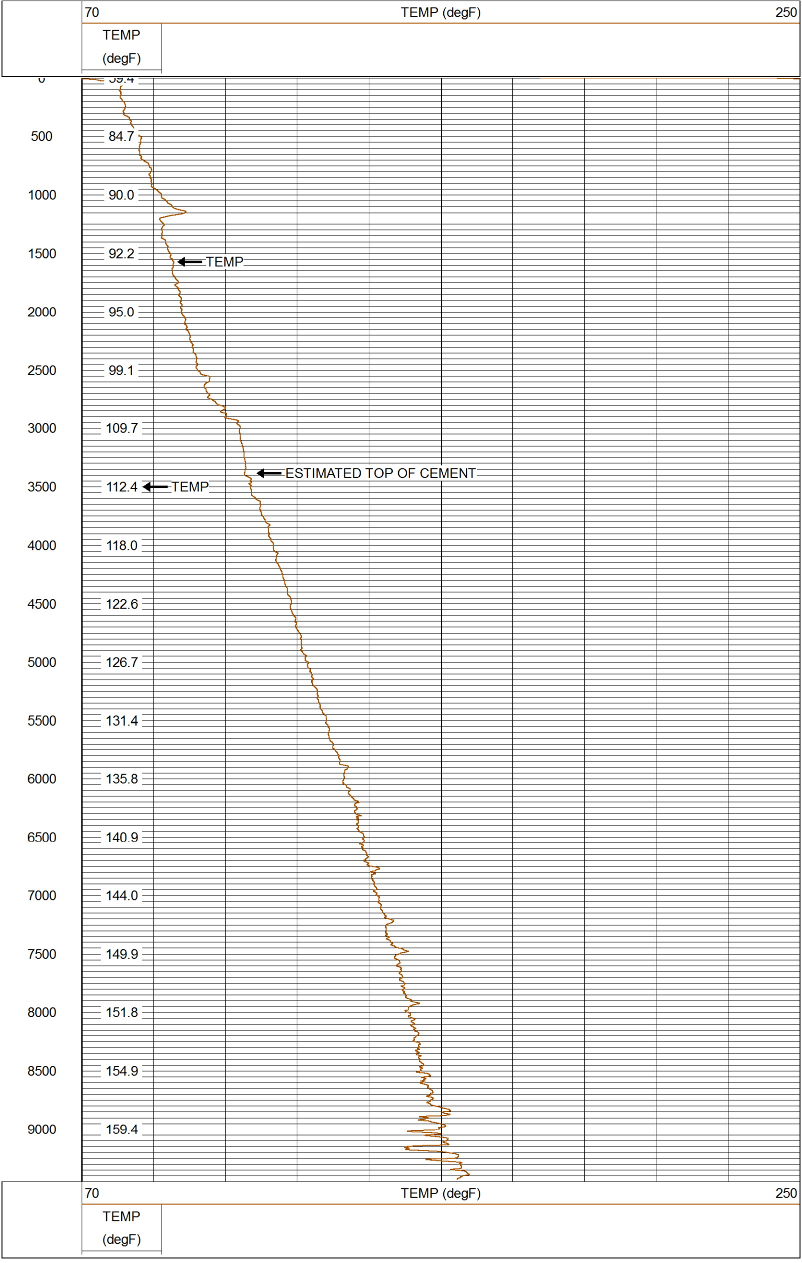


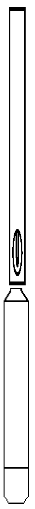




MAIN PASS QUICK LOOK

Database File:	08152016_tep_ru23-7.db
Dataset Pathname:	mainpass/pass1.1
Presentation Format:	rmtemp_q
Dataset Creation:	Mon Aug 15 10:56:27 2016 by Calc SCH 120430
Charted by:	Depth in Feet scaled 1:10000



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			TEMP-APPLIED (16-53)	2.67	1.38	11.00
TEMP	2.44					
			CCL-3.125_APPLIED (40-01NB) positive or negative voltage logging ccl	2.03	3.13	45.00
CCL	0.79					

Dataset:	08152016_tep_ru23-7.db: field/well/mainpass/pass1.1
Total Length:	4.69 ft
Total Weight:	56.00 lb
O.D.	3.13 in

ROCKY MOUNTAIN WIRELINE SERVICE

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Well	RU 23-7
Field	RULISON
County	GARFIELD
State	COLORADO