RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

TEMPERATURE CCL LOG

Company	TEP ROCKY MOUNTAIN LLC		
Well	RU 412-7		
Field	RULISON		
County	GARFIELD	State	COLORADO

Location: API # : 05-045-23230-00
QtrQtr; SENW
LAT. 39.456966
LOG. -107.819722
SEC 7 TWP 7S RGE 93W

Other Services

Permanent Datum	G.L.	Elevation	7339'
Log Measured From	K.B.	Ft Above PD	24.0'
Drilling Measured From	K.B.		

Elevation
K.B. 7363'
D.F.
G.L. 7339'

Date	08-27-2016
Run Number	ONE
Depth Driller	9652'
Present Depth Driller	9613'
Depth Logger	9596'
Bottom Logged Interval	9596'
Top Log Interval	SURFACE
Fluid Level	FULL
Type Fluid	WATER
Max. Recorded Temp.	176.1 ° F
Estimated Cement Top	3160'
Equipment Number	218
Location	GRAND JCT.
Recorded By	MCBROOM
Witnessed By	MR. OAKS

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				4.50"	11.6#	SURFACE	9642'

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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 5932' TO 5954'.

Calibration Report

Database File: 08272016_tep_ru 412-7.db
Dataset Pathname: mainpass/pass4.1
Dataset Creation: Sat Aug 27 16:37:45 2016 by Calc SCH 120430

Temperature Calibration Report

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

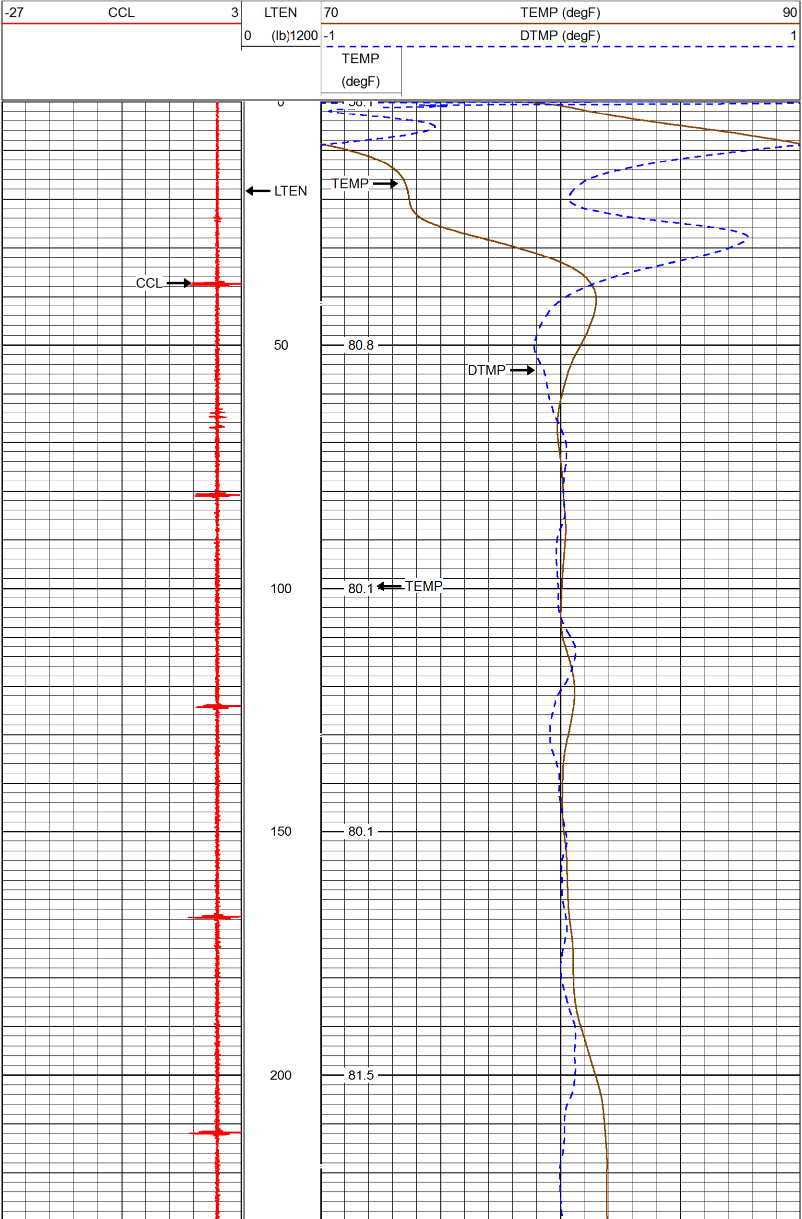
	Reference		Reading	
Low Reference:	0.00	degF	0.00	cps
High Reference:	1.00	degF	1.00	cps

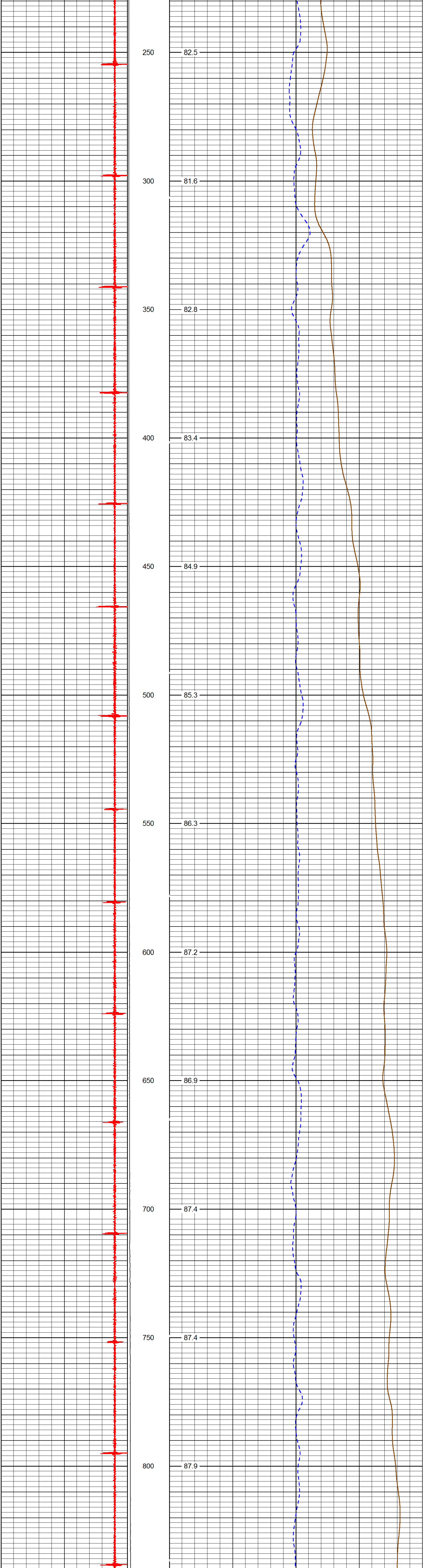
Gain: 0.10
Offset: 0.00
Delta Spacing 2

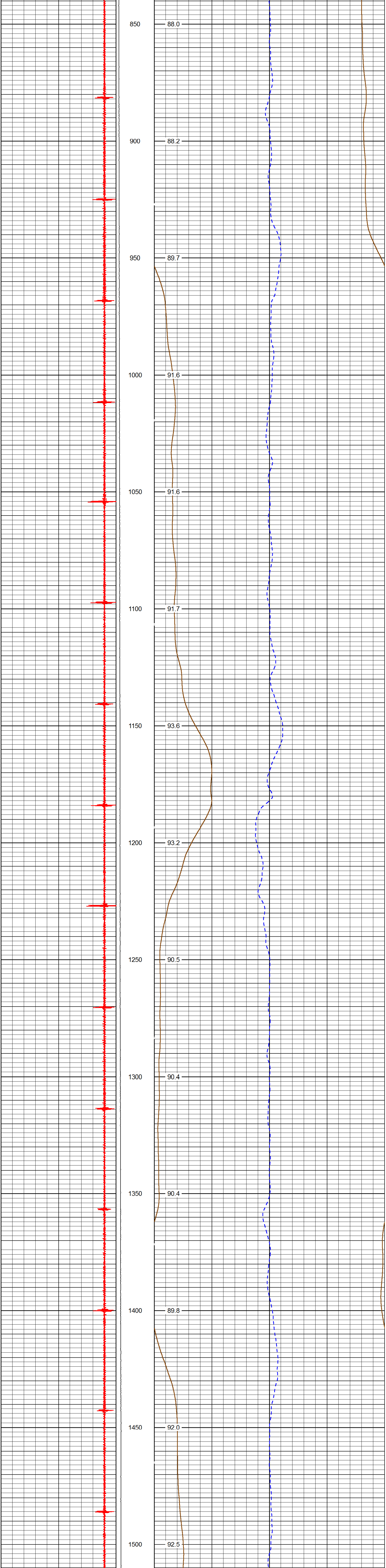
RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

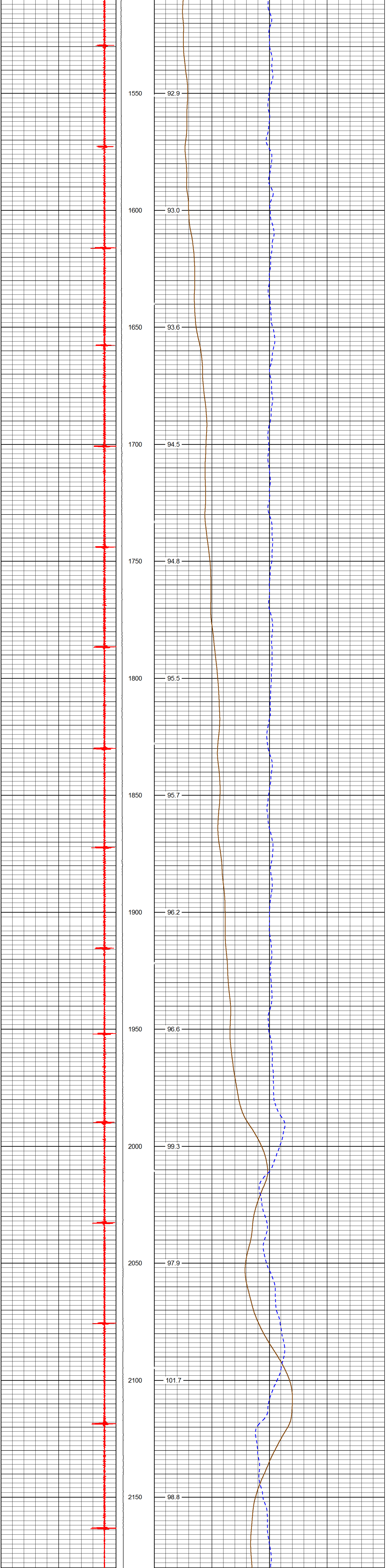
MAIN PASS

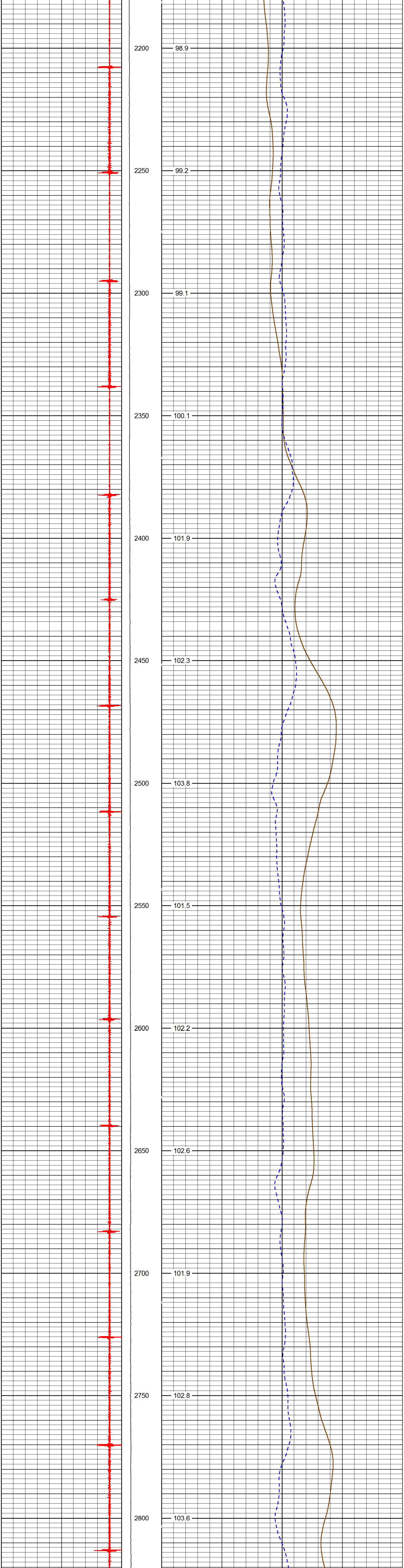
Database File: 08272016_tep_ru 412-7.db
Dataset Pathname: mainpass/pass4
Presentation Format: rmws_temp
Dataset Creation: Sat Aug 27 14:09:20 2016 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

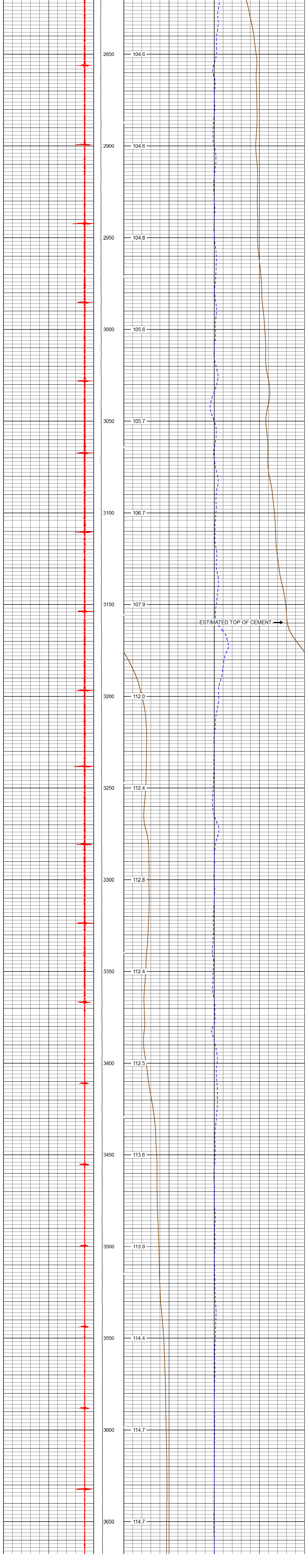


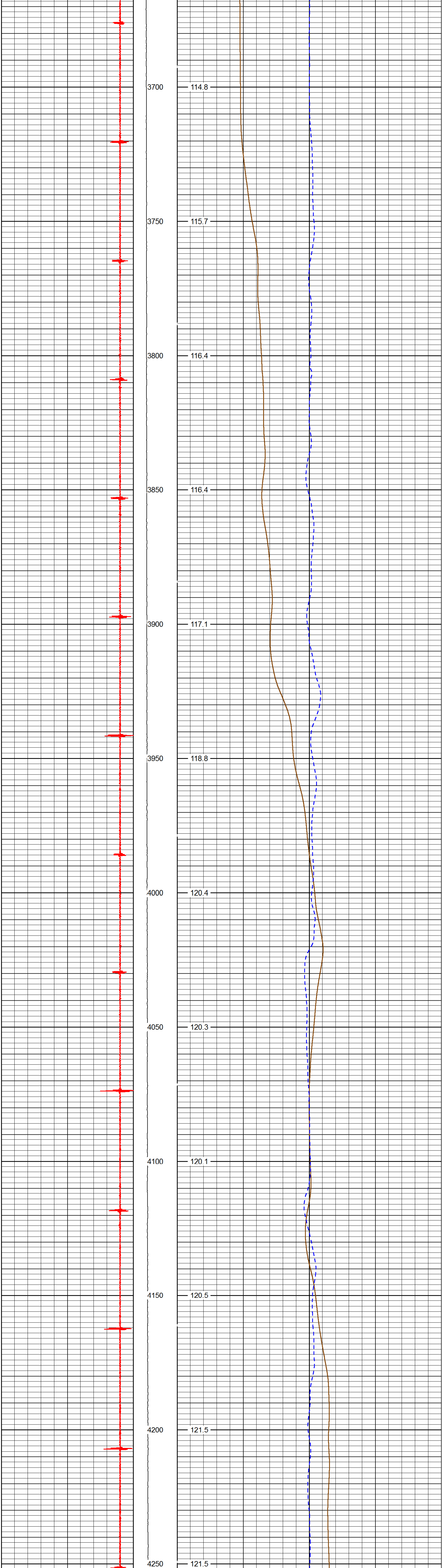








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115.7
3800
116.4
3850
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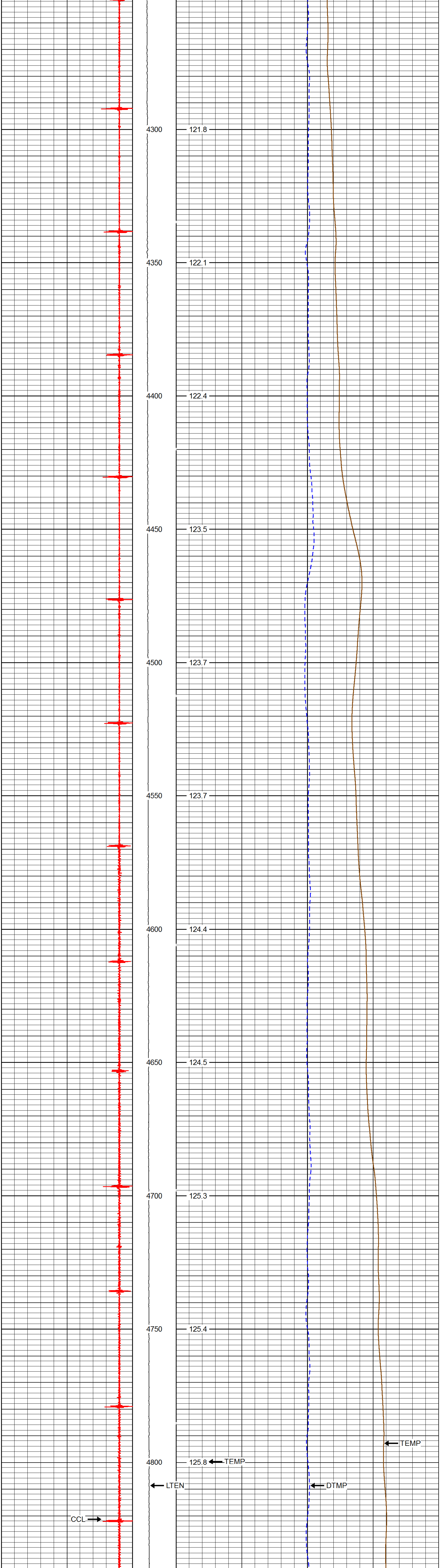
4050
120.3
4100
120.1
4150
120.5
4200
121.5
4250
121.5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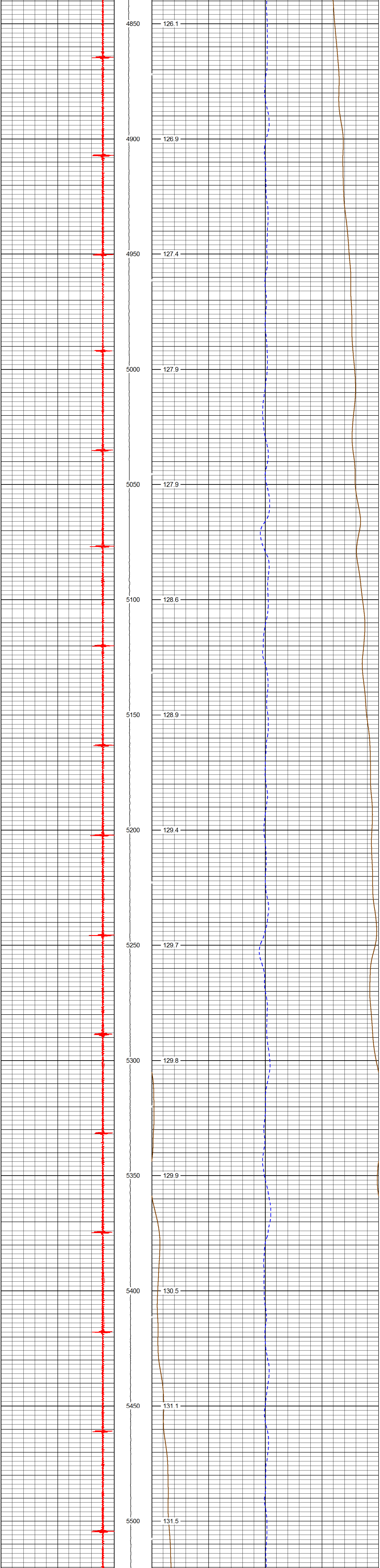
LTEN
DTMP
CCL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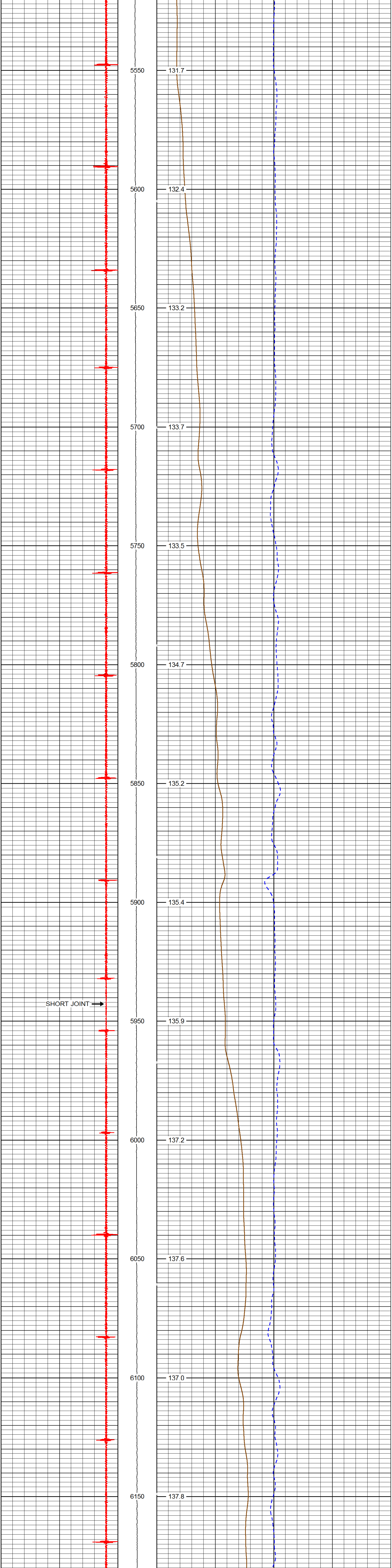
131.5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SHORT JOINT
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137.2
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137.6
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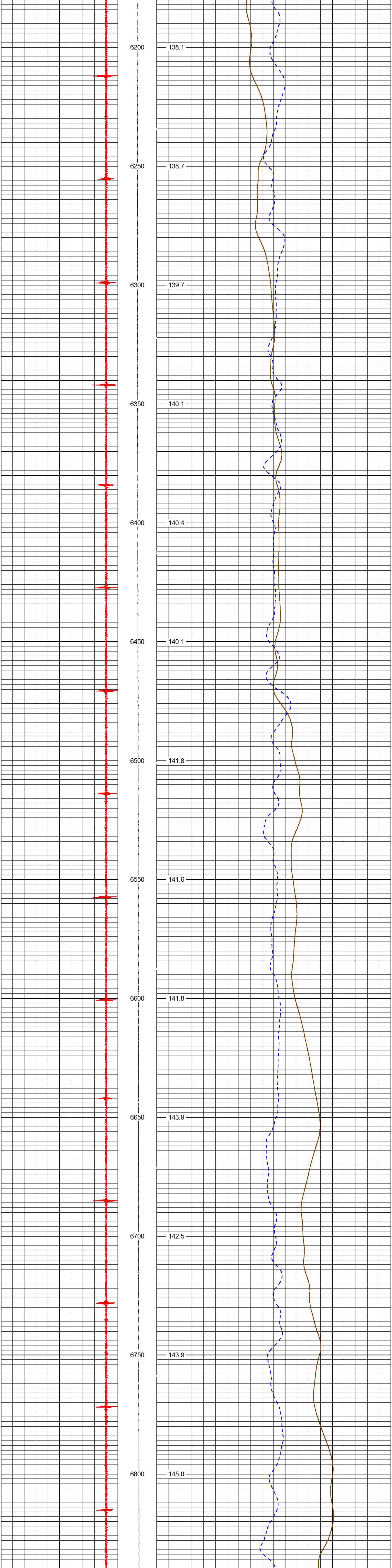
137.0
6150
137.8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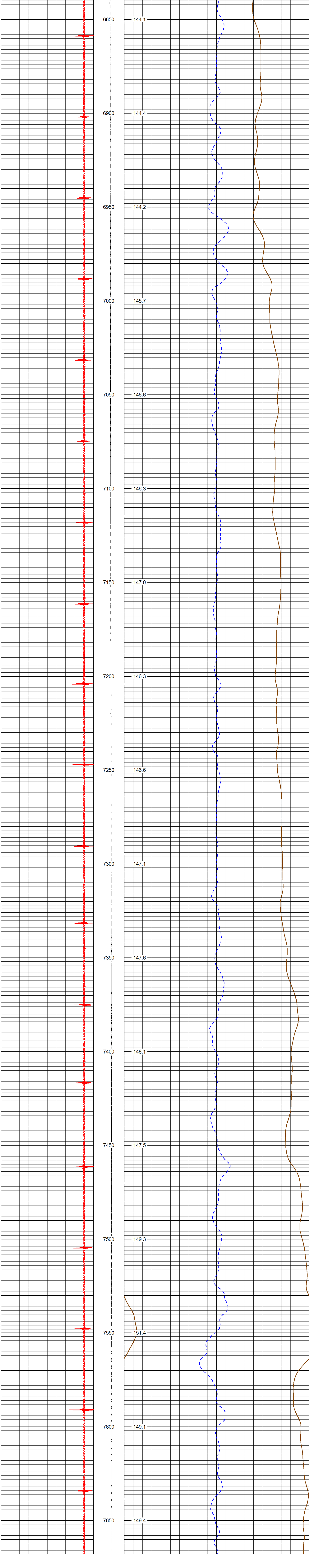
145.0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7200
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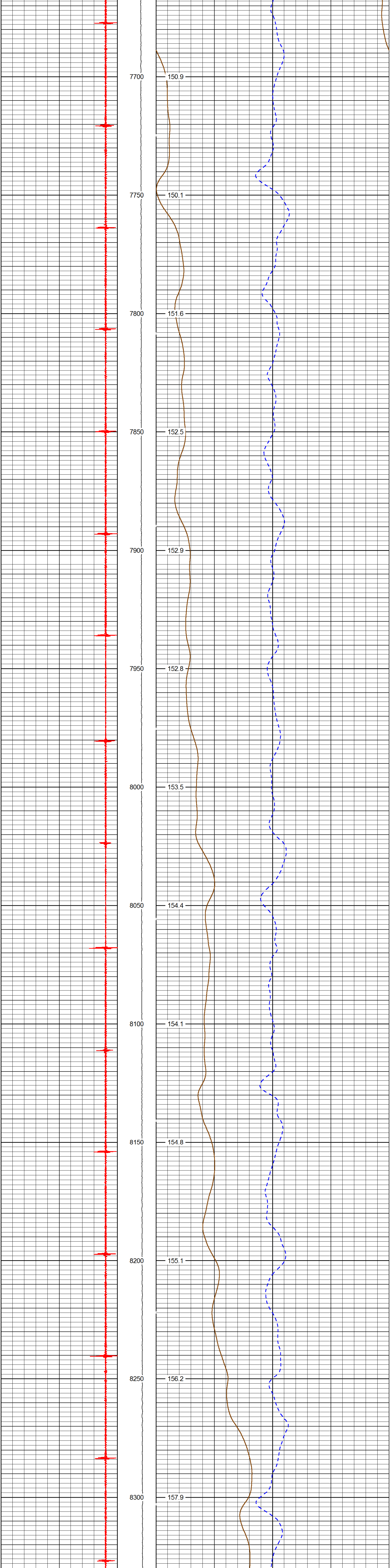
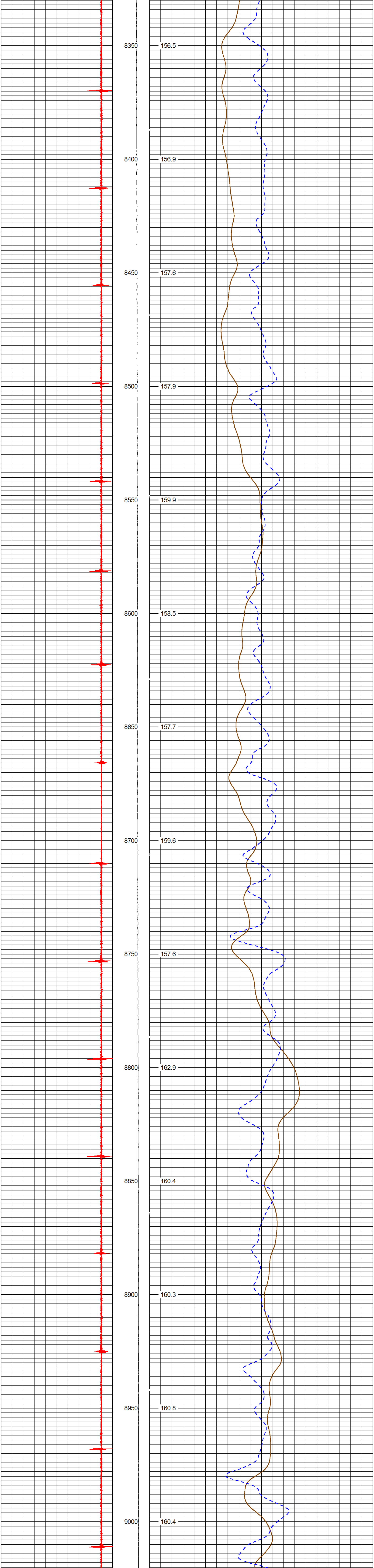
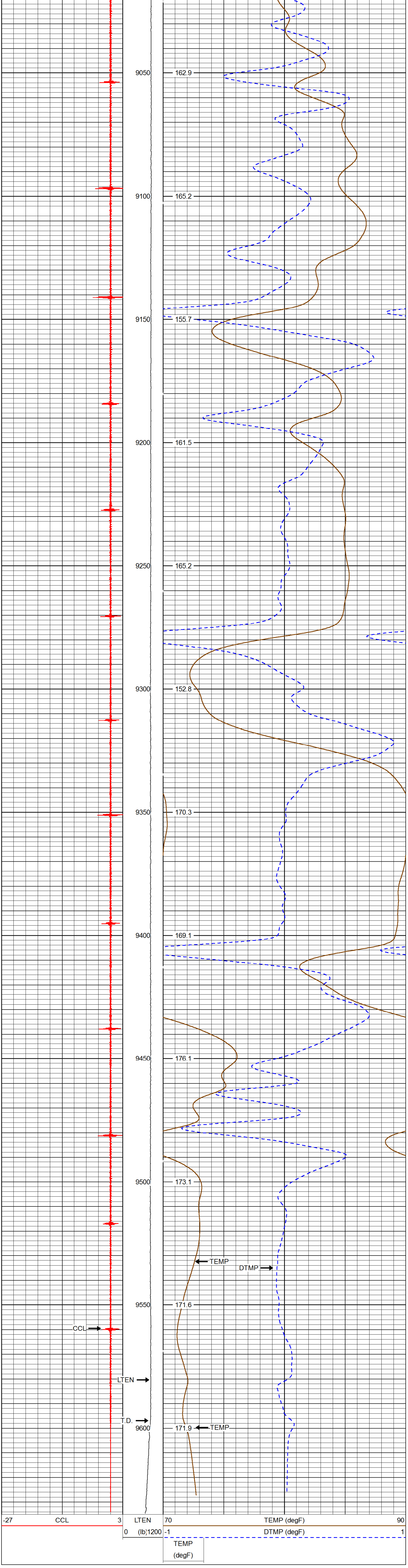
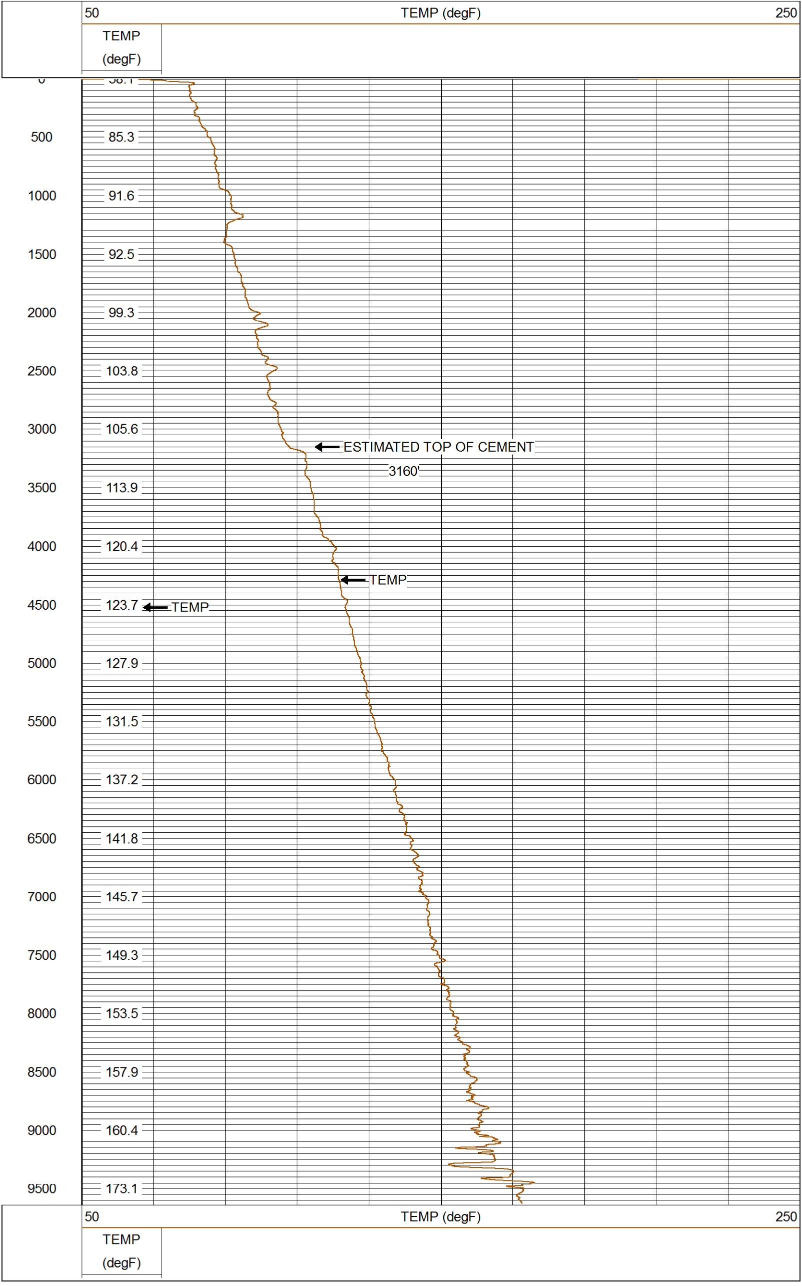






MAIN PASS QUICK LOOK

Database File:	08272016_tep_ru 412-7.db
Dataset Pathname:	mainpass/pass4.1
Presentation Format:	rmtemp_q
Dataset Creation:	Sat Aug 27 16:37:45 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:	08272016_tep_ru 412-7.db: field/well/mainpass/pass4.1
Total Length:	4.69 ft
Total Weight:	56.00 lb
O.D.	3.13 in

Company	TEP ROCKY MOUNTAIN LLC
Well	RU 412-7
Field	RULISON
County	GARFIELD
State	COLORADO