RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

TEMPERATURE CCL LOG

Company	TEP ROCKY MOUNTAIN LLC		
Well	RU 422-7		
Field	RULISON		
County	GARFIELD	State	COLORADO
Location:	API # : 05-045-23231-00 QtrQtr: SENW LAT. 39.456946 LOG. -107.819730		Other Services
	SEC 7 TWP 7S RGE 93W		Elevation
Permanent Datum	G.L.	Elevation 7339'	K.B. 7363'
Log Measured From	K.B.	Ft Above PD 24.0'	D.F.
Drilling Measured From	K.B.		G.L. 7339'

Date	08-21-2016
Run Number	ONE
Depth Driller	9435'
Present Depth Driller	9394.2'
Depth Logger	9391'
Bottom Logged Interval	9391'
Top Log Interval	SURFACE
Fluid Level	FULL
Type Fluid	WATER
Max. Recorded Temp.	177.2 ° F
Estimated Cement Top	4150'
Equipment Number	218
Location	GRAND JCT.
Recorded By	MCBROOM
Witnessed By	MR. ABBEY

Borehole Record			Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				4.50"	11.6#	SURFACE	9425'

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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 5602' to 5625'.

Calibration Report

Database File: 08212016_tep_ru 422-7.db
Dataset Pathname: downpass/pass1.1
Dataset Creation: Sun Aug 21 14:27:22 2016 by Calc SCH 120430

Temperature Calibration Report

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

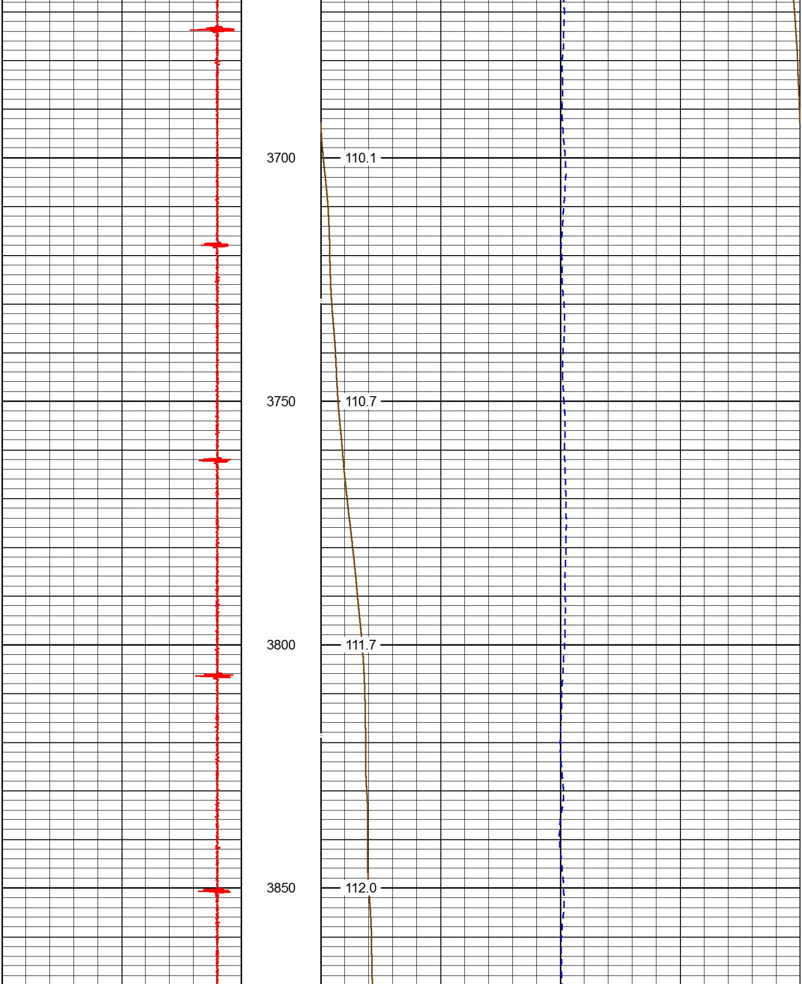
	Reference		Reading	
Low Reference:	0.00	degF	0.00	cps
High Reference:	1.00	degF	1.00	cps

Gain: 0.10
Offset: 0.00
Delta Spacing 2

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

MAIN PASS

Database File: 08212016_tep_ru 422-7.db
Dataset Pathname: downpass/pass1
Presentation Format: rmws_temp
Dataset Creation: Sun Aug 21 12:33:10 2016 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240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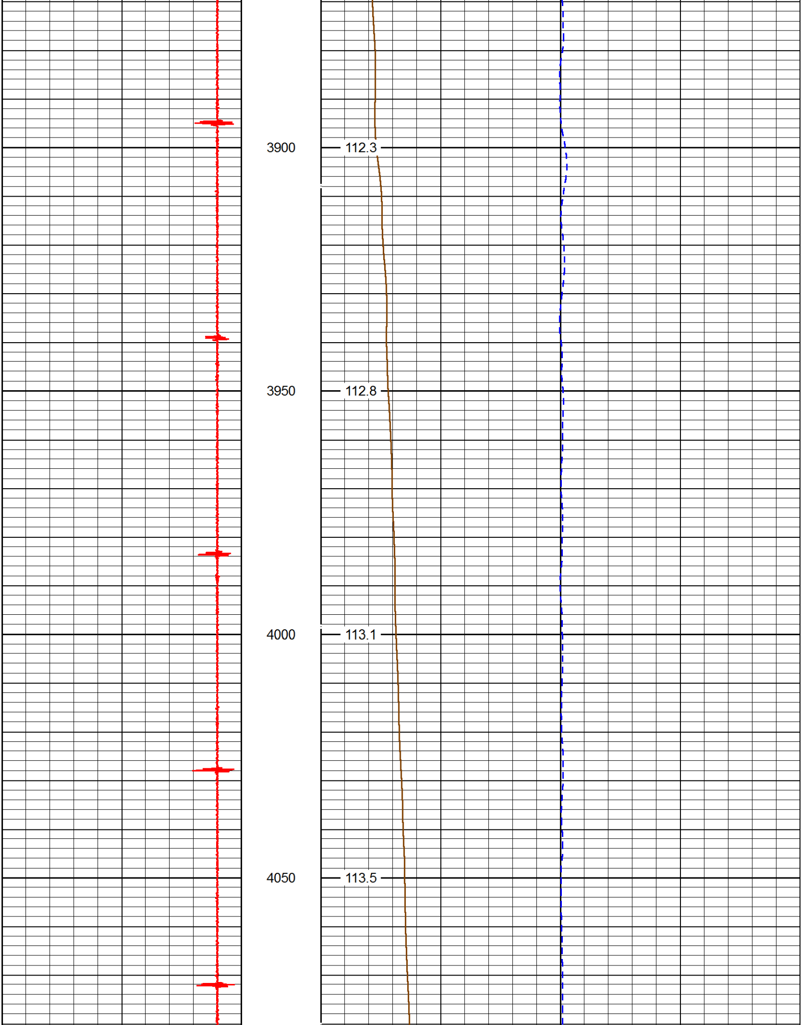
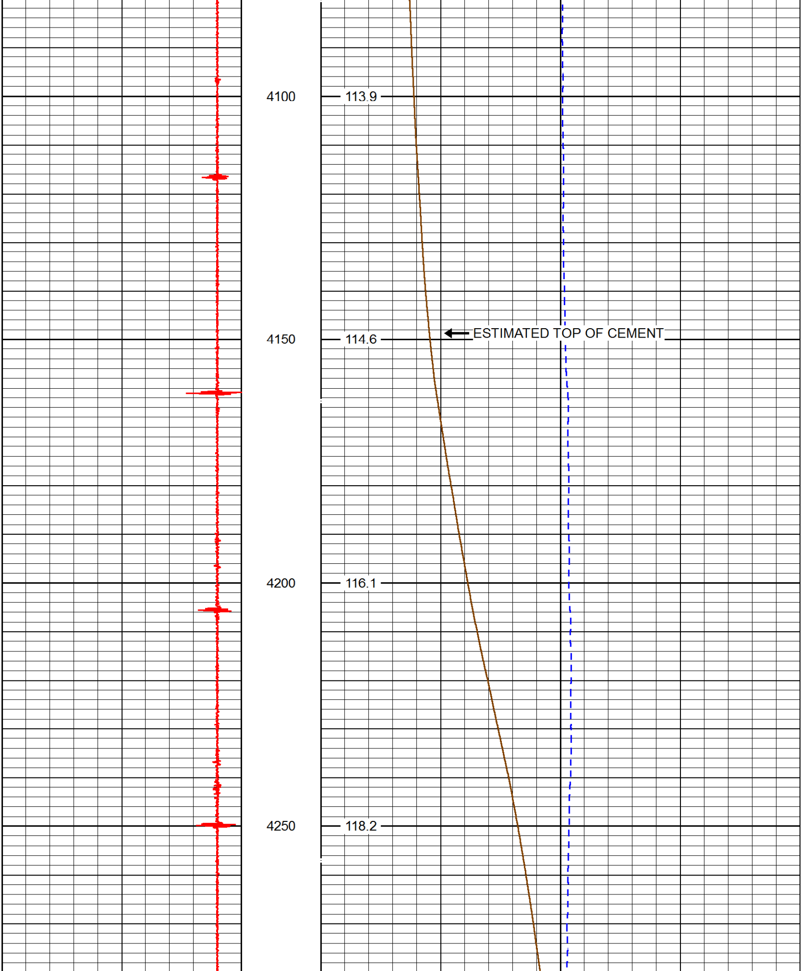
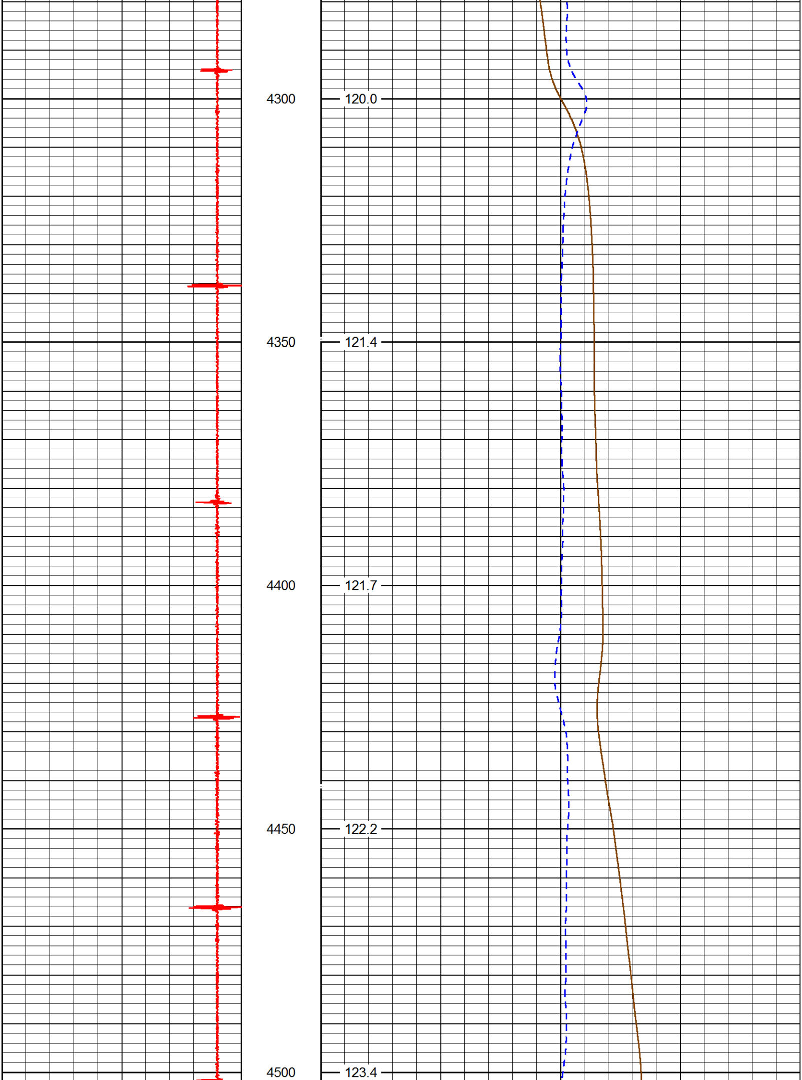
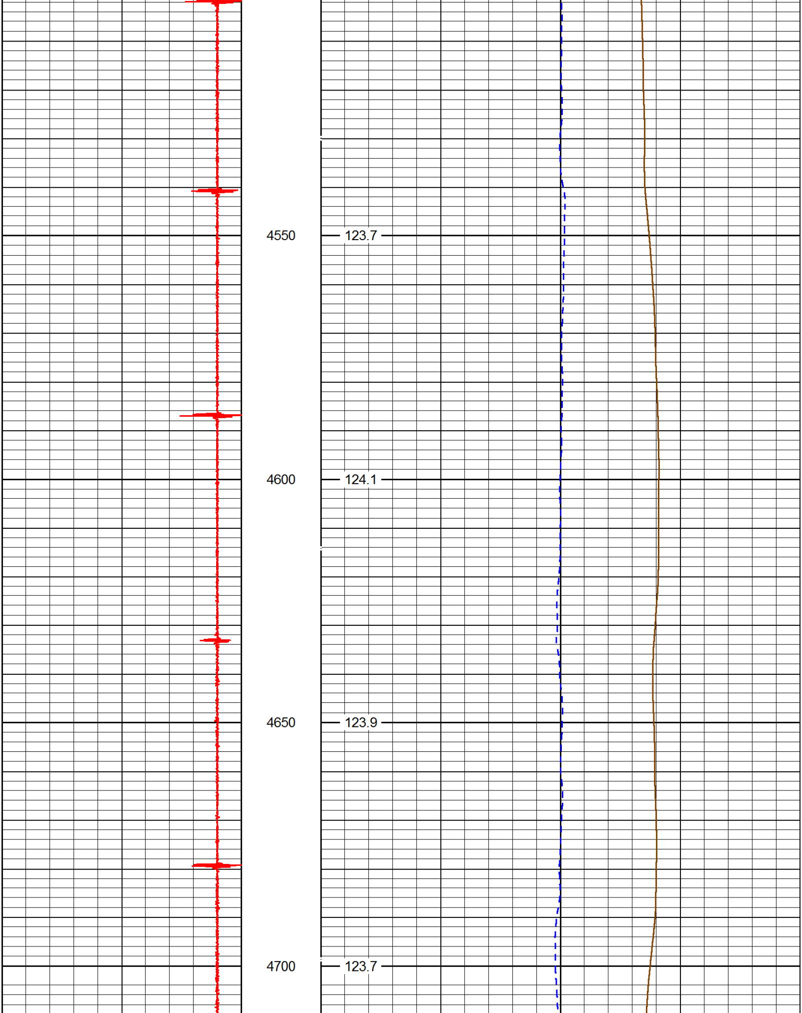
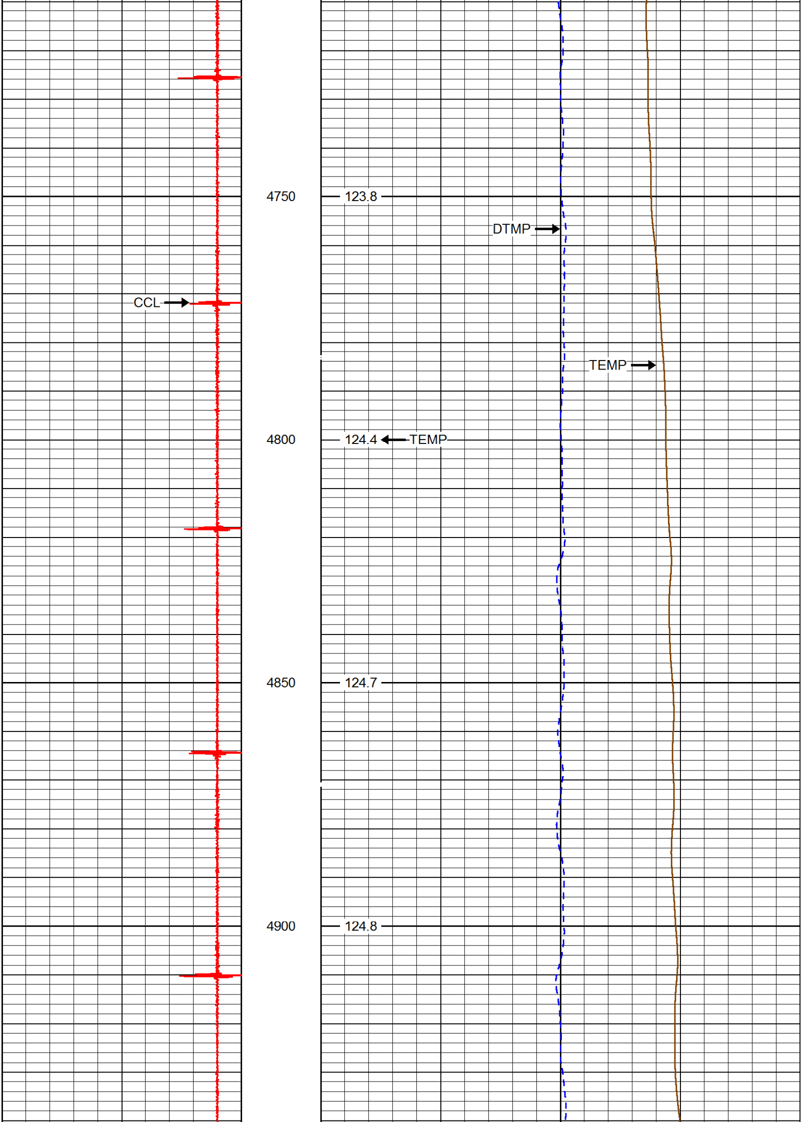
110.1
3750
110.7
3800
111.7
3850
112.0


3900
112.3
3950
112.8
4000
113.1
4050
113.5

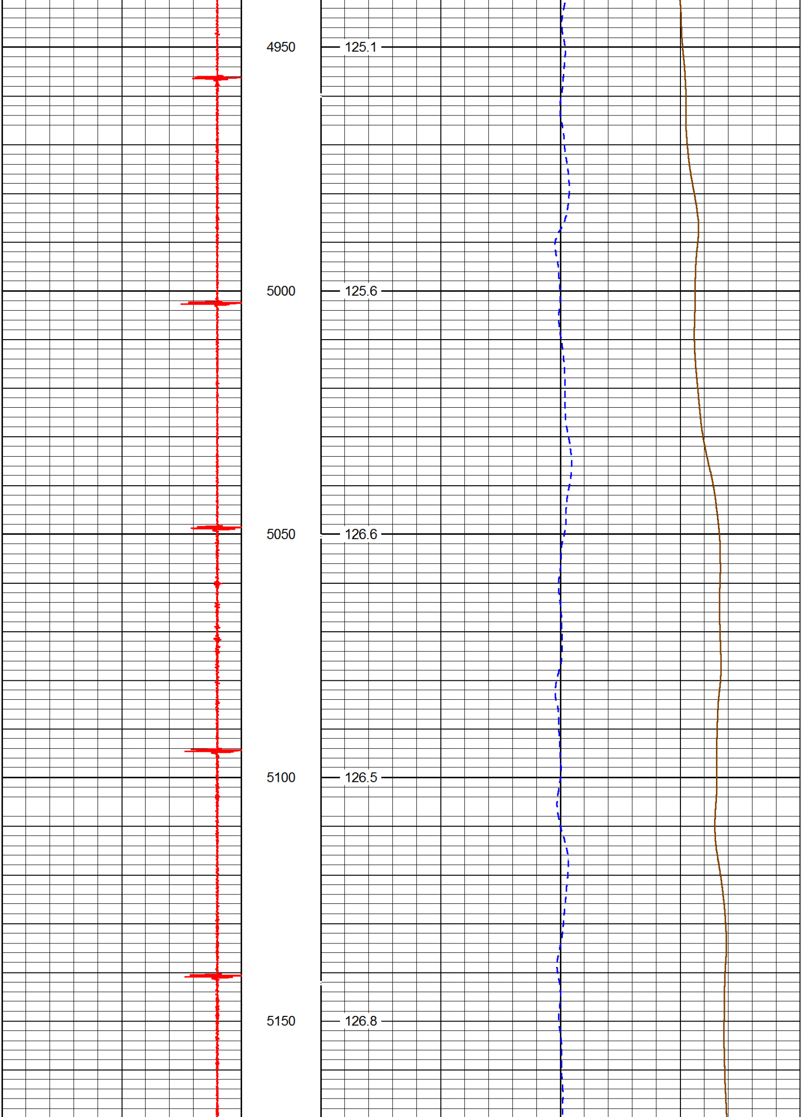

4100
113.9
ESTIMATED TOP OF CEMENT
4150
114.6
4200
116.1
4250
118.2

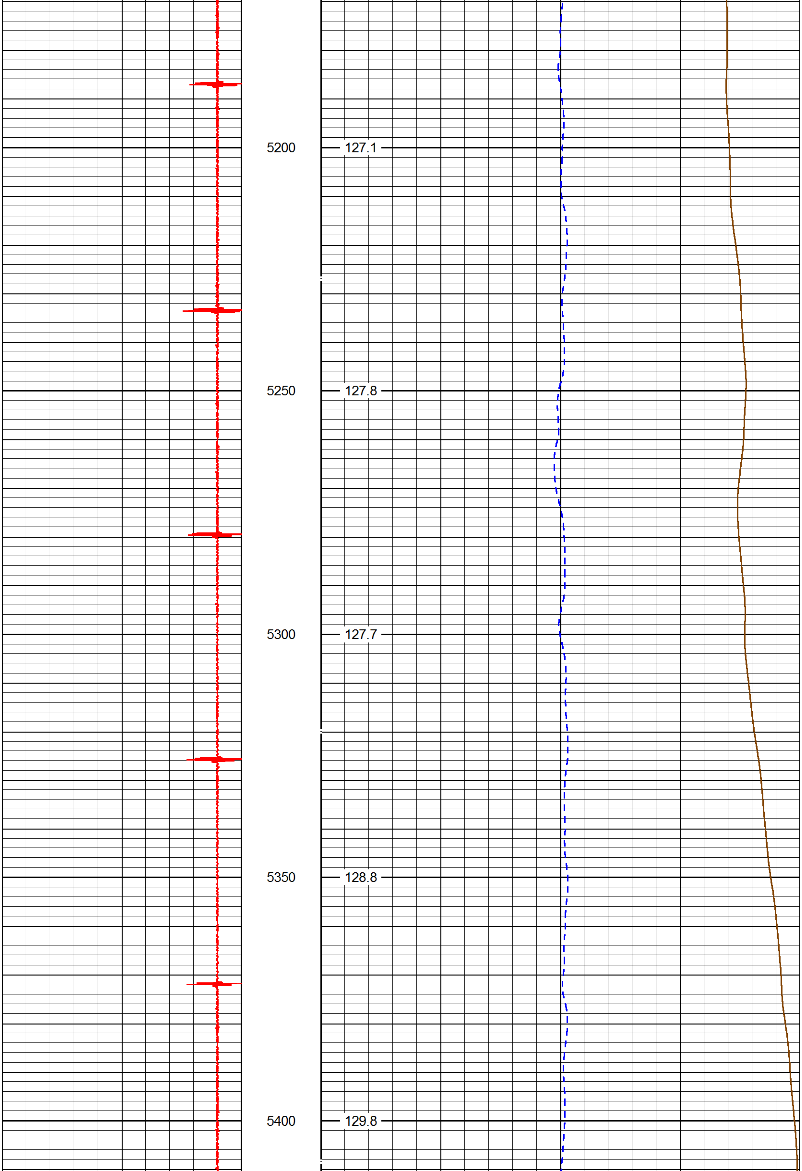

4300
120.0
4350
121.4
4400
121.7
4450
122.2
4500
123.4


4550
123.7
4600
124.1
4650
123.9
4700
123.7



CCL
4750
123.8
DTMP
TEMP
4800
124.4
TEMP
4850
124.7
4900
124.8


4950
125.1
5000
125.6
5050
126.6
5100
126.5
5150
126.8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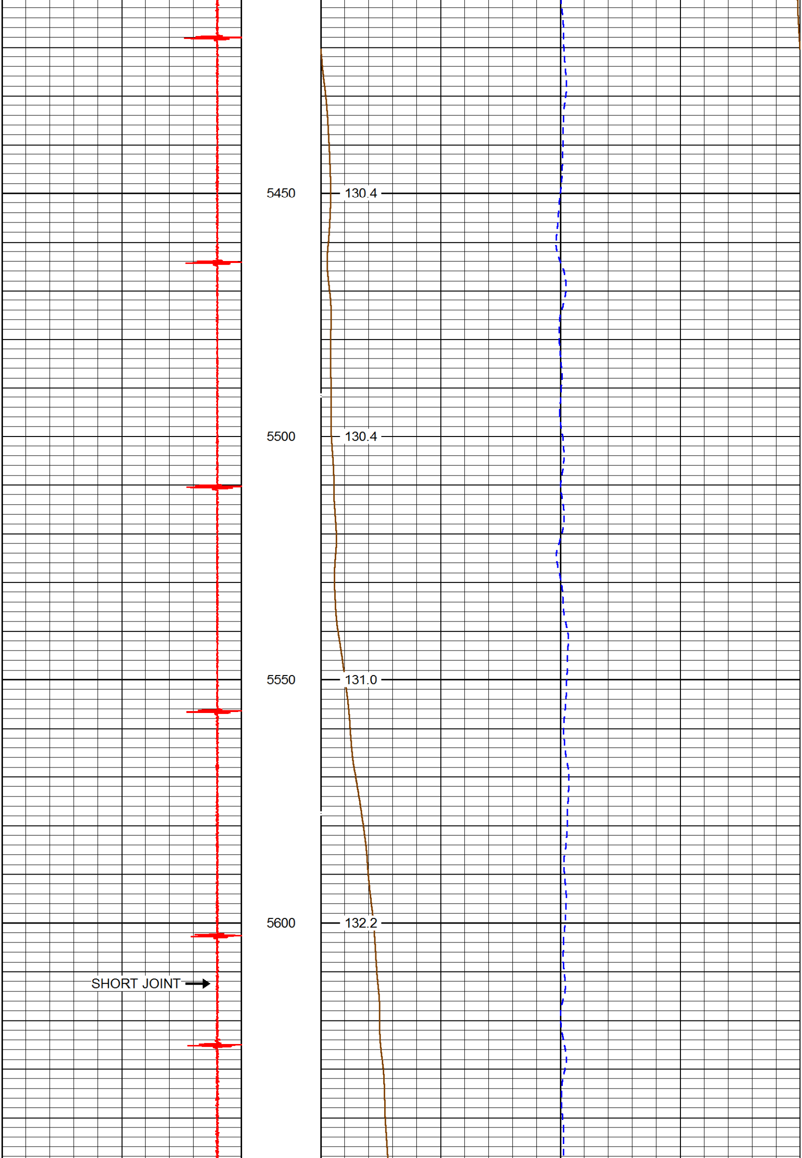
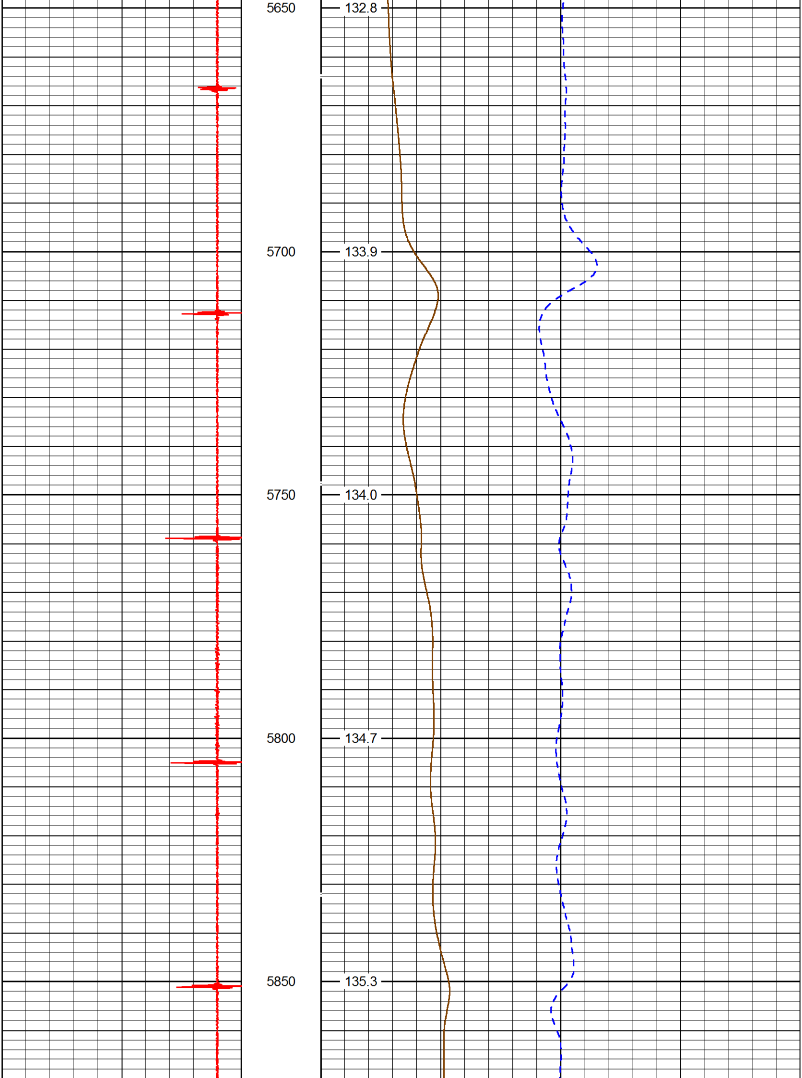
129.8


5450
130.4
5500
130.4
5550
131.0
5600
132.2
SHORT JOINT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132.8
5700
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134.0
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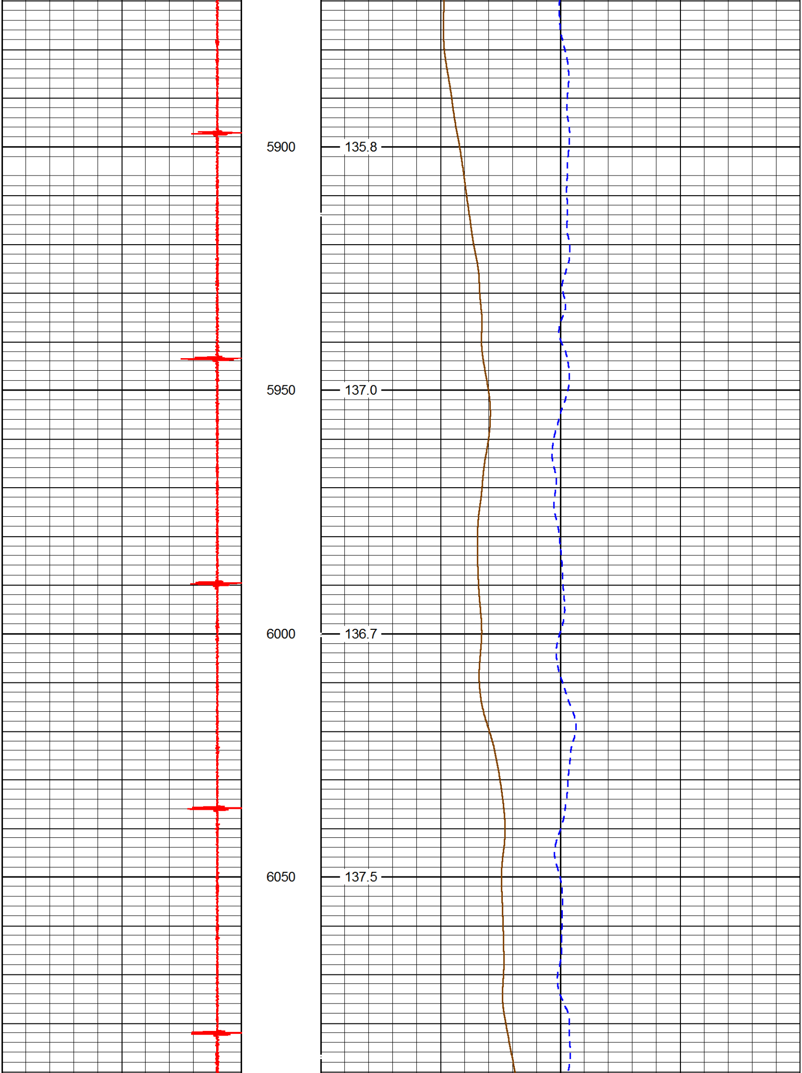
134.7
5850
135.3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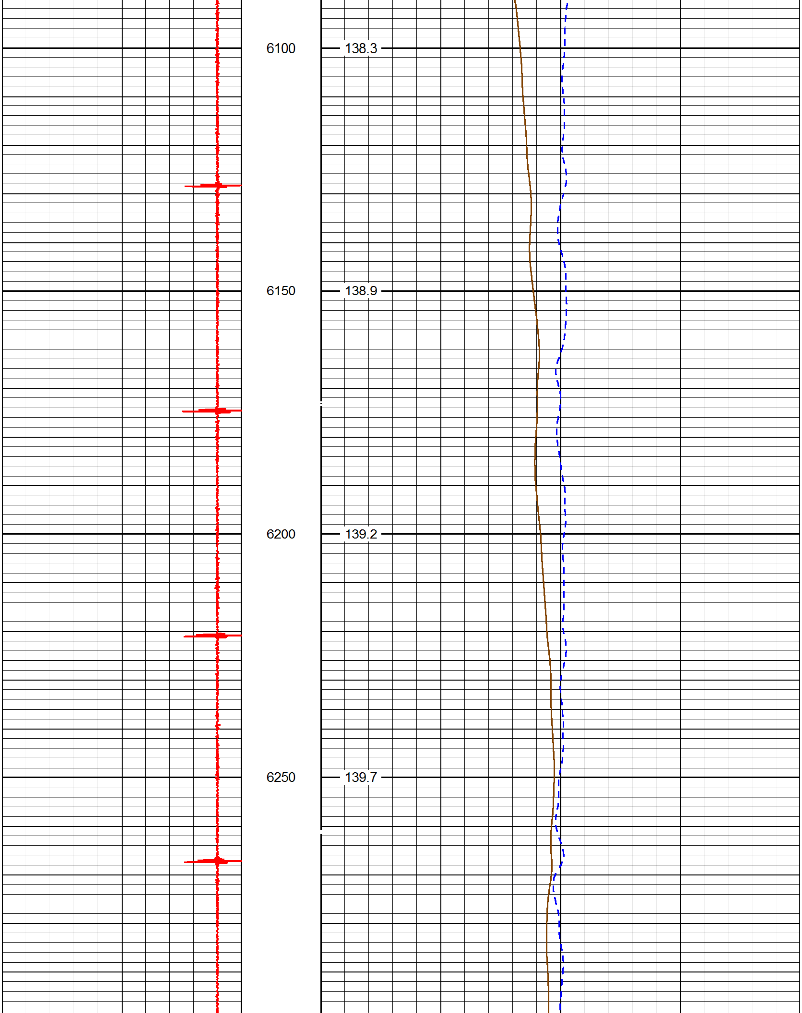
135.8
5950
137.0
6000
136.7
6050
137.5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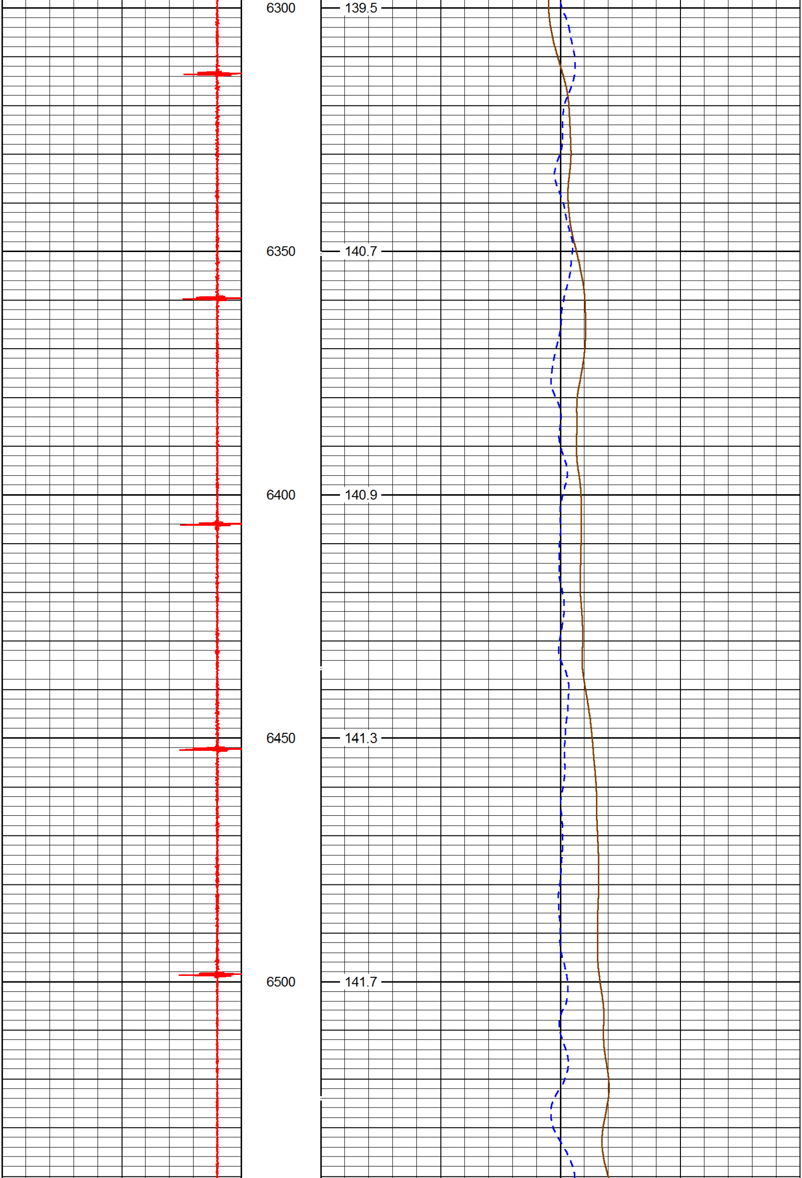
138.3
6150
138.9
6200
139.2
6250
139.7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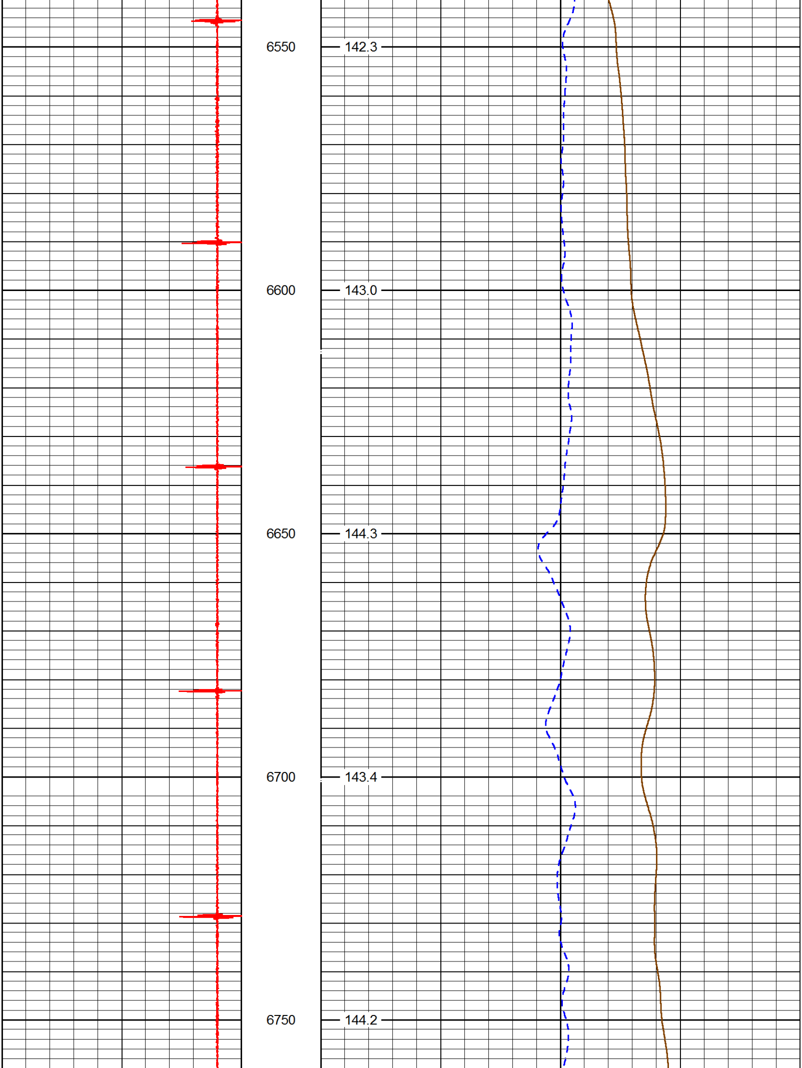
6350
140.7
6400
140.9
6450
141.3
6500
141.7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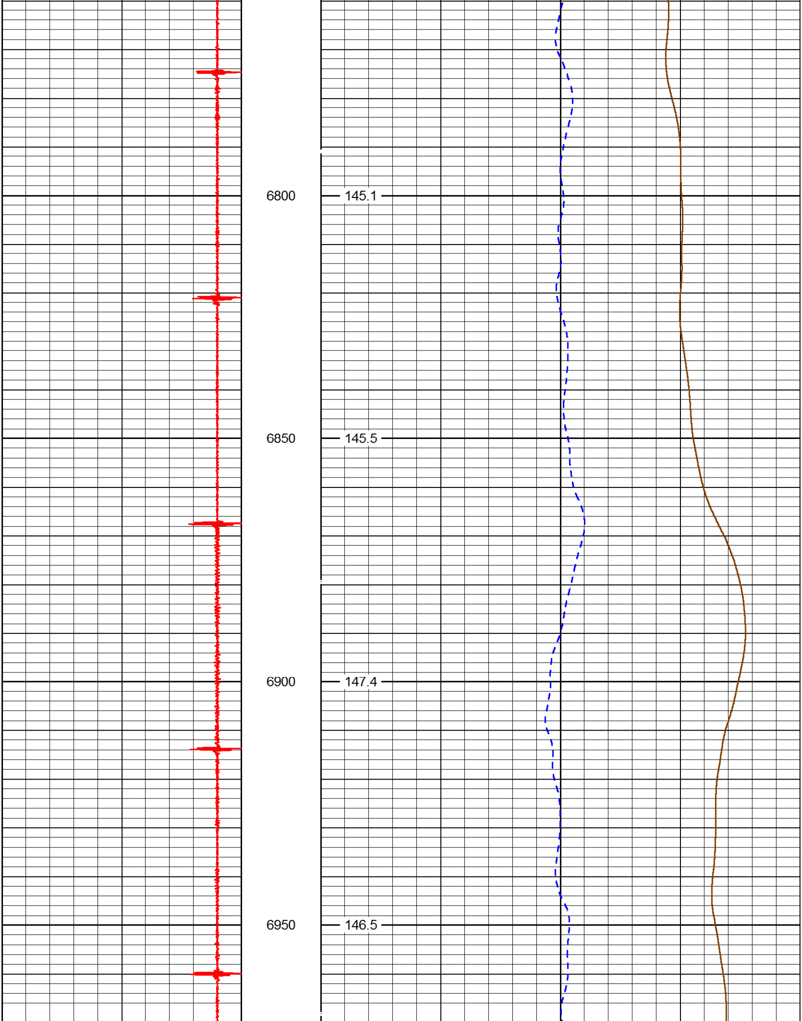
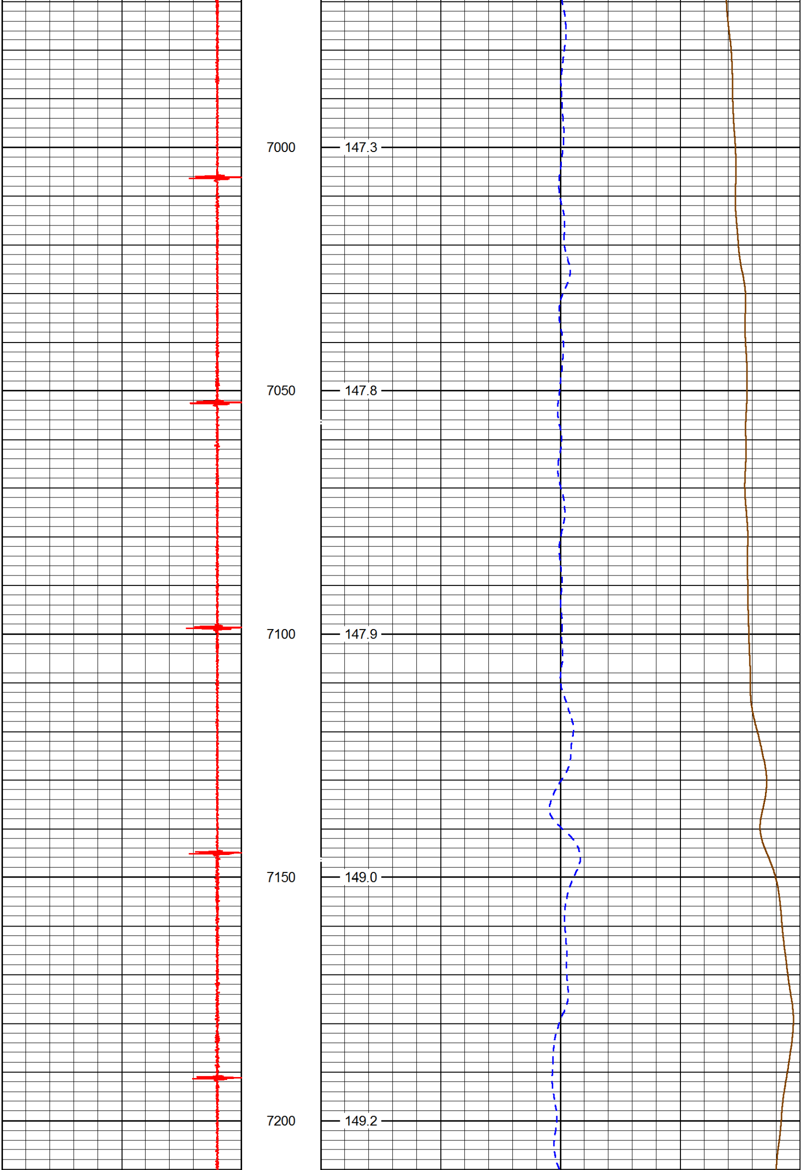
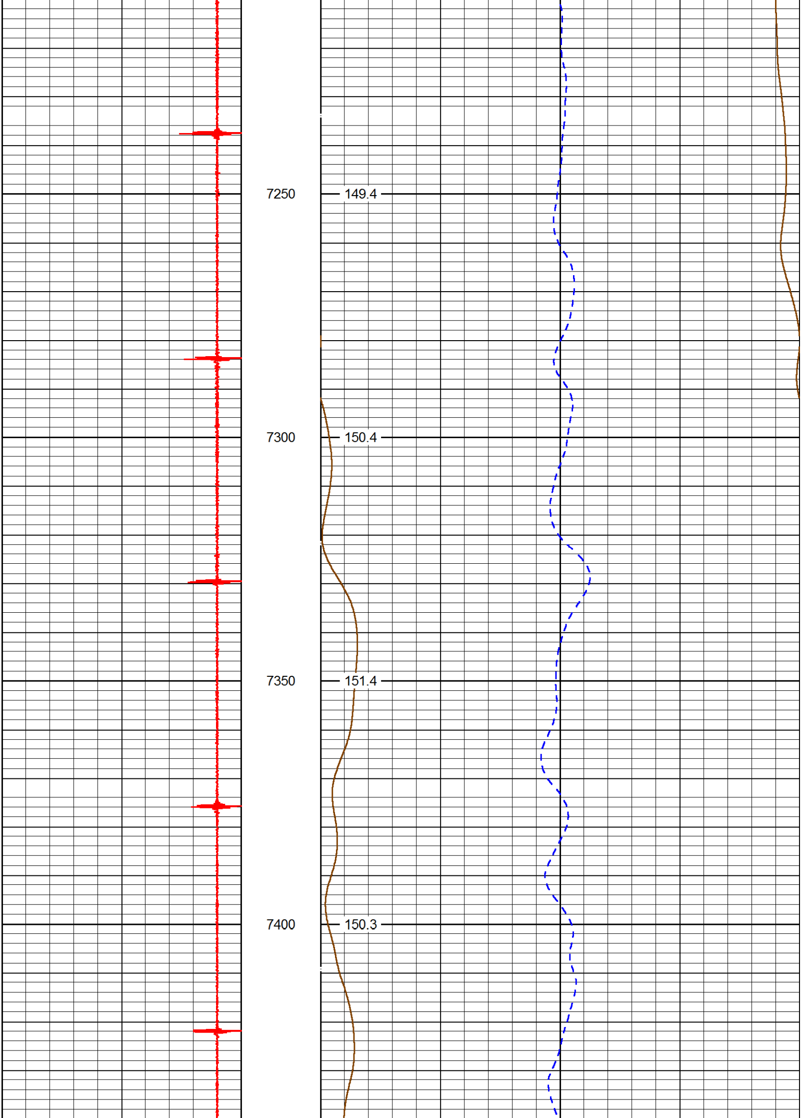
142.3
6600
143.0
6650
144.3
6700
143.4
6750
144.2


6800
145.1
6850
145.5
6900
147.4
6950
146.5


7000
147.3
7050
147.8
7100
147.9
7150
149.0
7200
149.2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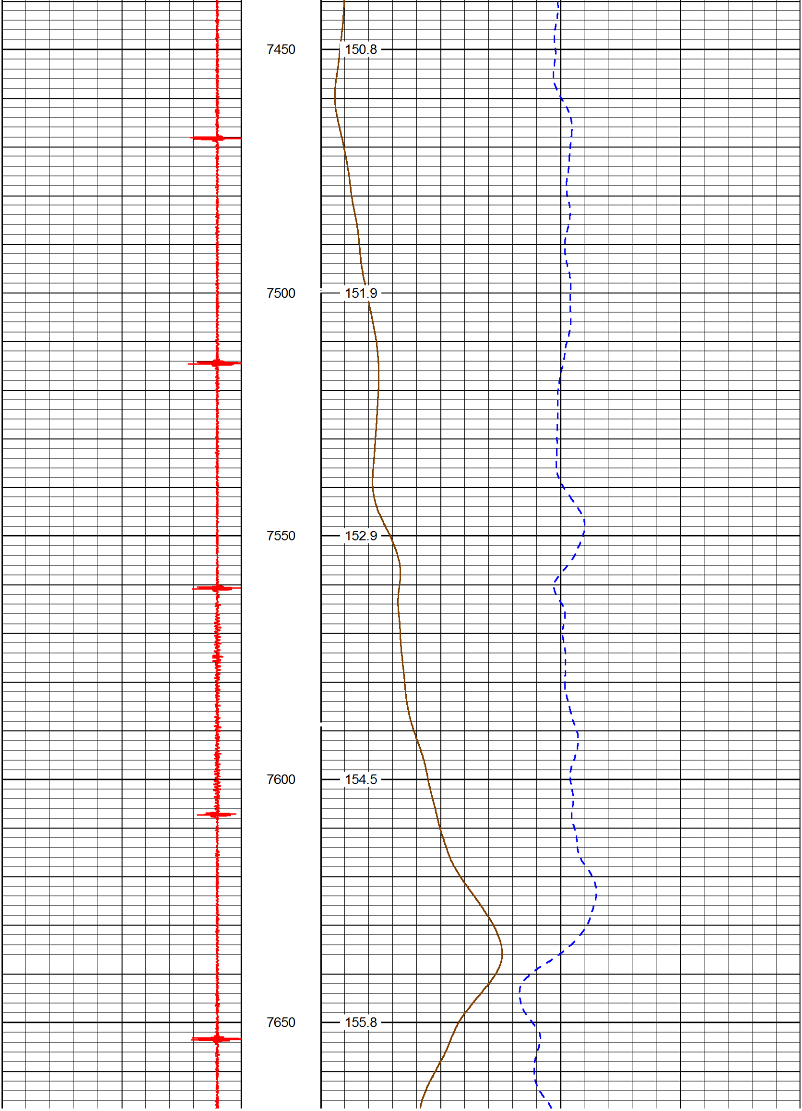
7300
150.4
7350
151.4
7400
150.3


7450
150.8
7500
151.9
7550
152.9
7600
154.5
7650
155.8

MAIN PASS QUICK LOOK

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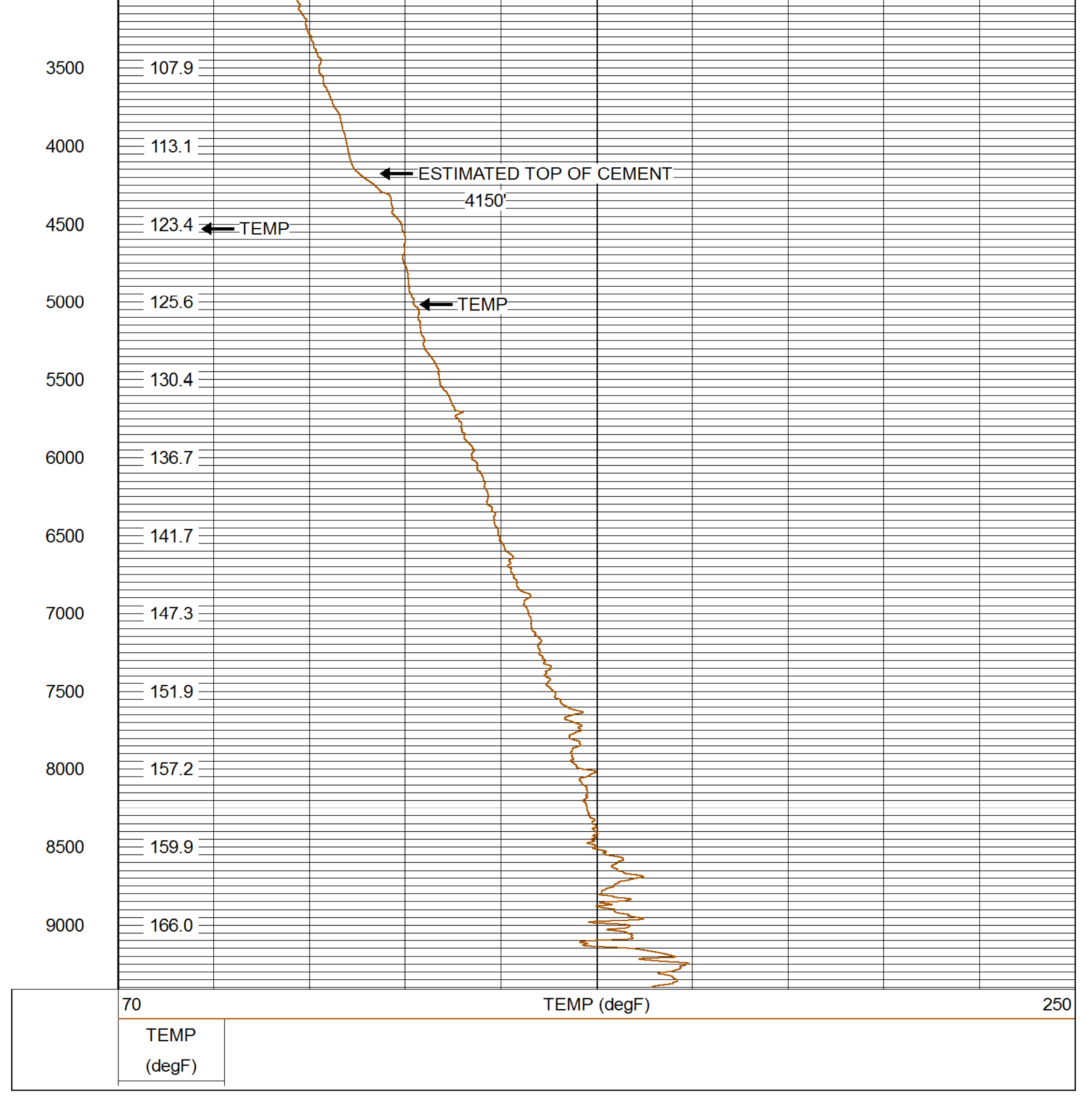
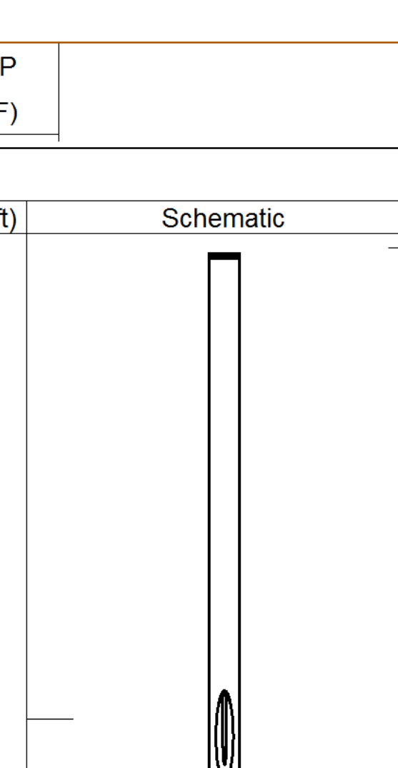
Database File: 08212016_tep_ru 422-7.db
Dataset Pathname: downpass/pass1.1
Presentation Format: rmtemp_q
Dataset Creation: Sun Aug 21 14:27:22 2016 by Calc SCH 120430
Charted by: Depth in Feet scaled 1:10000



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

Dataset: 08212016_tep_ru 422-7.db: field/well/downpass/pass1.1
Total Length: 4.69 ft
Total Weight: 56.00 lb
O.D.: 3.13 in

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Company	TEP ROCKY MOUNTAIN LLC
Well	RU 422-7
Field	RULISON
County	GARFIELD
State	COLORADO