ROCKY MOUNTAIN WIRELINE SERVICE

TEMPERATURE CCL LOG

Company	TEP ROCKY MOUNTAIN LLC		
Well	SR 544-12		
Field	RULISON		
County	GARFIELD	State	COLORADO

Location: API # : 05-045-23255-00
QtrQtr; SWSW
LAT. 39.452075
LOG. -107.825834
SEC 7 TWP 7S RGE 93W

Other Services

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

Elevation
K.B. 7381'
D.F.
G.L. 7357'

Date	10-28-2016
Run Number	ONE
Depth Driller	9848'
Present Depth Driller	9809'
Depth Logger	9822'
Bottom Logged Interval	9822'
Top Log Interval	SURFACE
Fluid Level	FULL
Type Fluid	WATER
Max. Recorded Temp.	193 ° F
Estimated Cement Top	4322'
Equipment Number	216
Location	GRAND JCT.
Recorded By	MCBROOM
Witnessed By	MR.BROWN

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				4.50"	11.6#	SURFACE	9838'

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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 5896' TO 5818'.

Calibration Report

Database File: 10282016_tep_sr 544-12.db
Dataset Pathname: mainpass/pass2.1
Dataset Creation: Fri Oct 28 16:04:12 2016 by Calc SCH 120430

Temperature Calibration Report

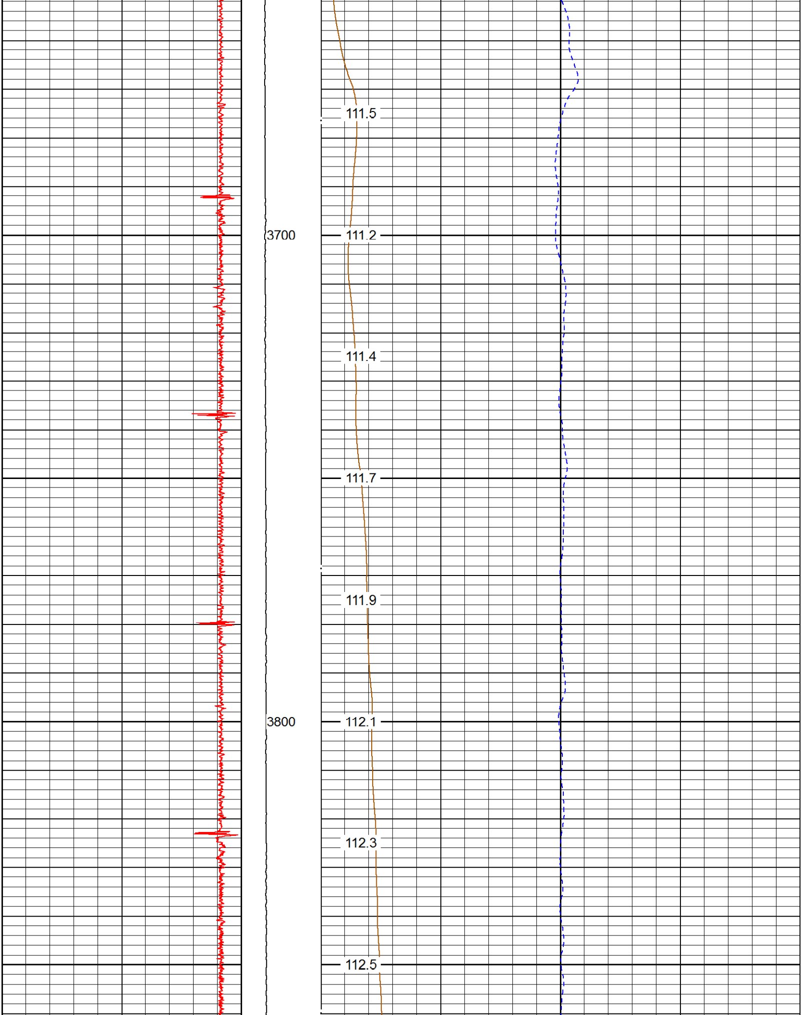
Serial Number: 217894
Tool Model: 016
Performed: Wed Aug 31 11:06:54 2016

Point #	Reading		Reference	
1	13298.00	cps	77.97	degF
2	17844.00	cps	104.32	degF
3	29434.00	cps	175.71	degF
4	41028.00	cps	246.70	degF
5	52674.00	cps	317.75	degF
6	58555.00	cps	353.61	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

ROCKY MOUNTAIN WIRELINE SERVICE

MAIN PASS

Database File: 10282016_tep_sr 544-12.db
Dataset Pathname: mainpass/pass2
Presentation Format: rmws_tem
Dataset Creation: Fri Oct 28 14:11:59 2016 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240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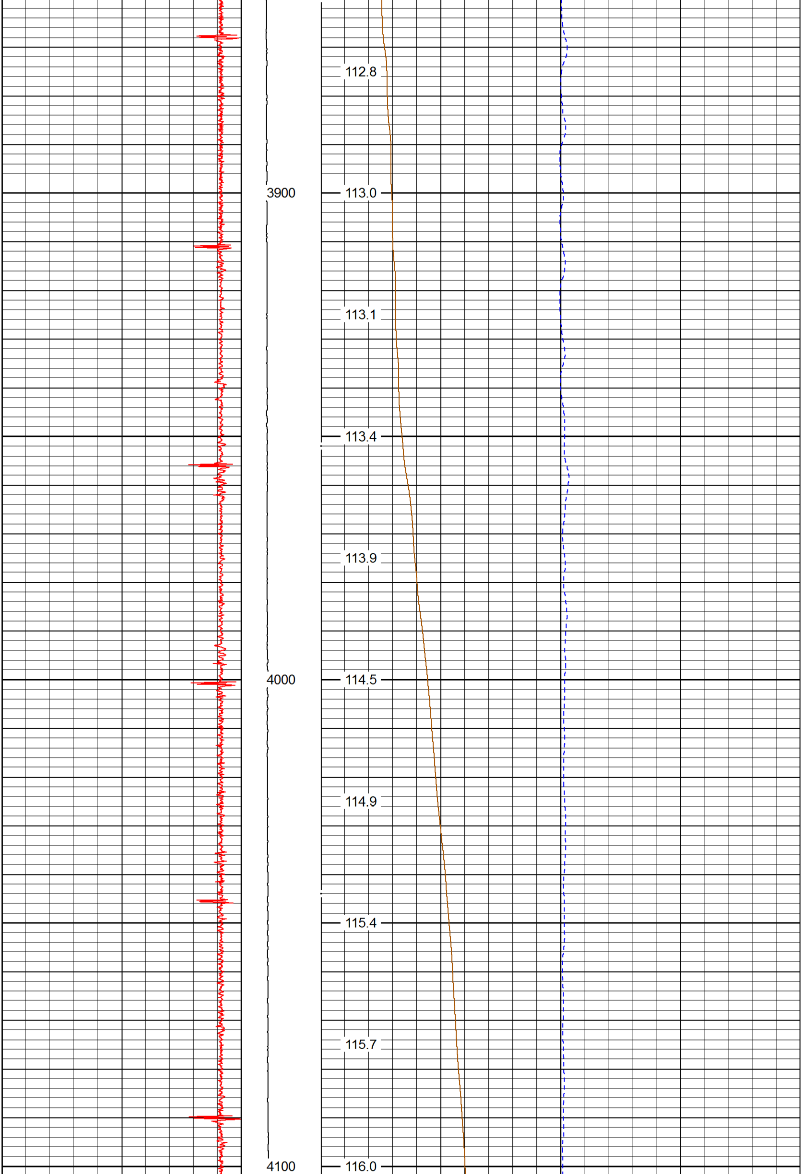
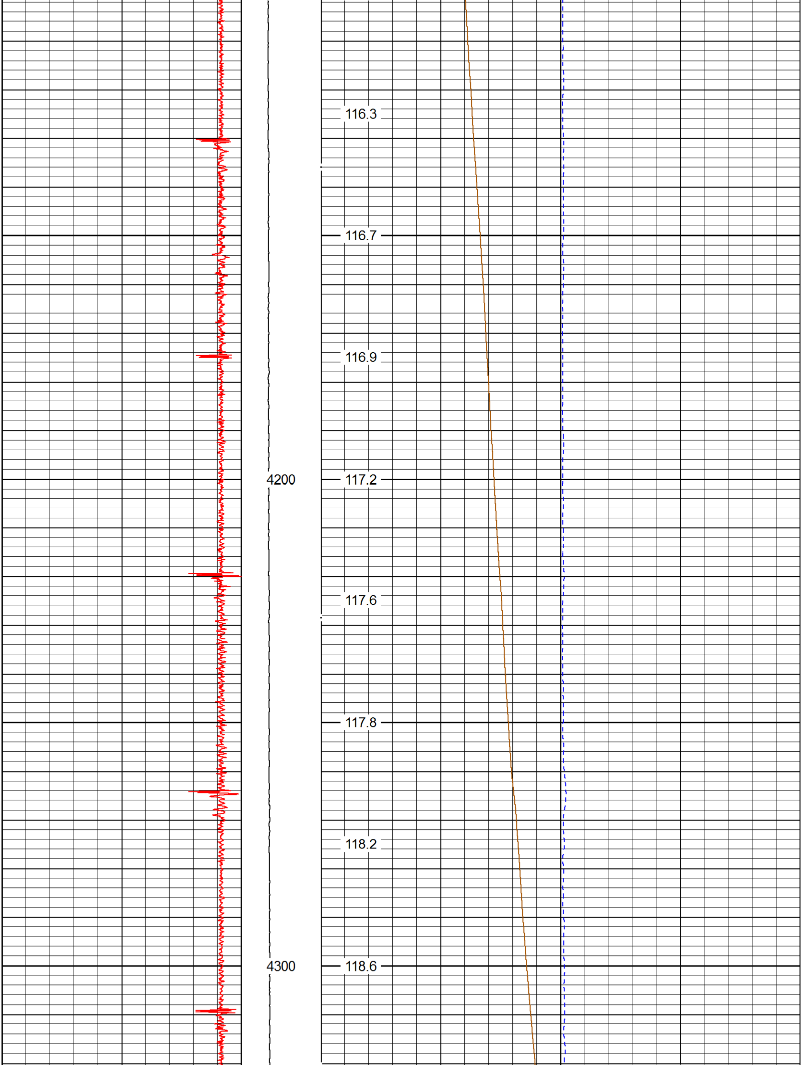
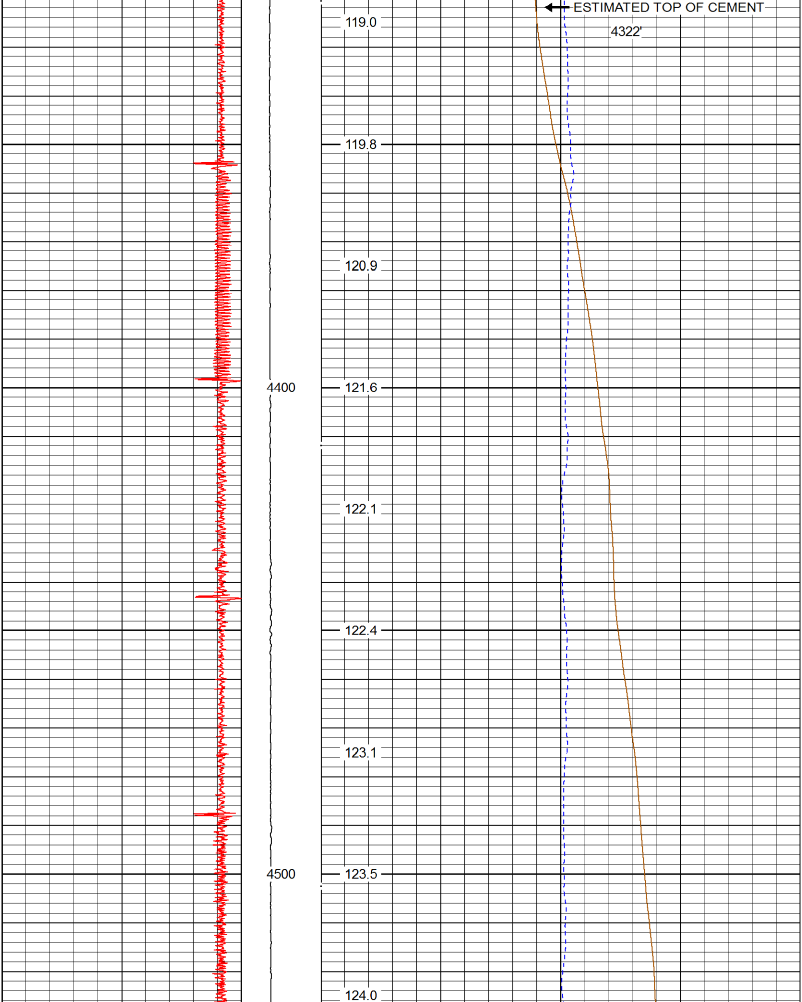
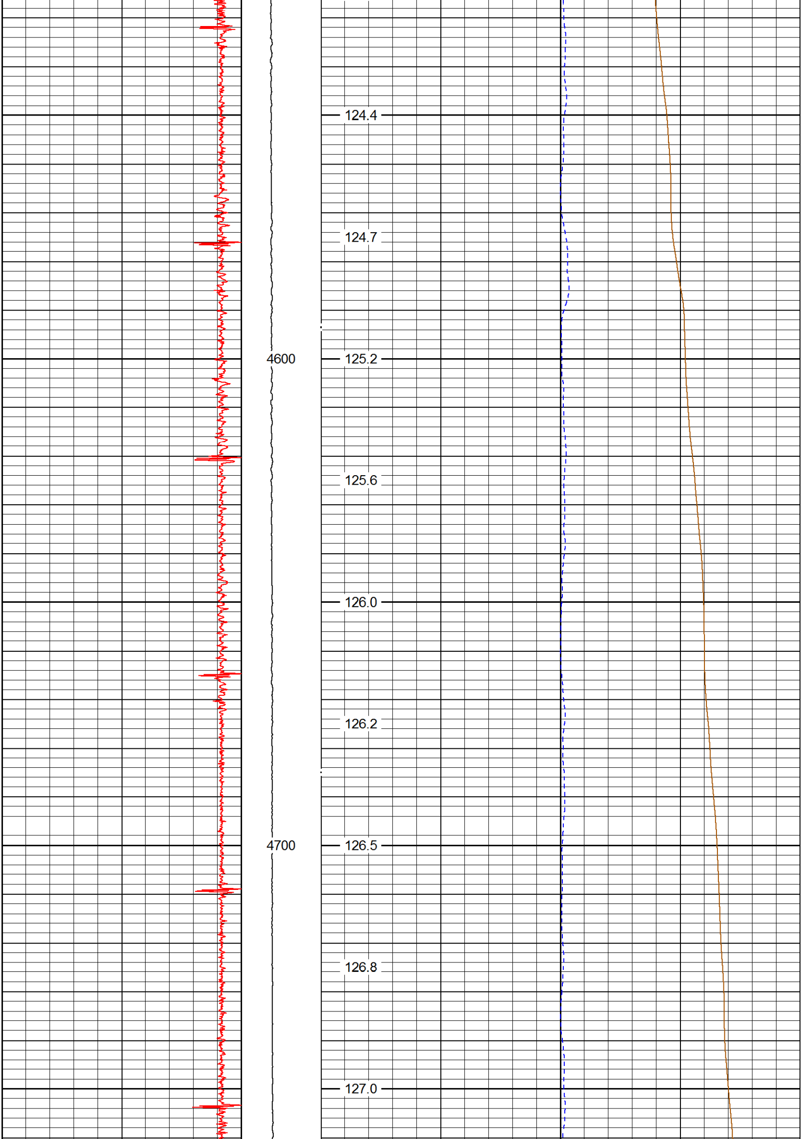
3700
111.2
111.4
111.7
111.9
3800
112.1
112.3
112.5

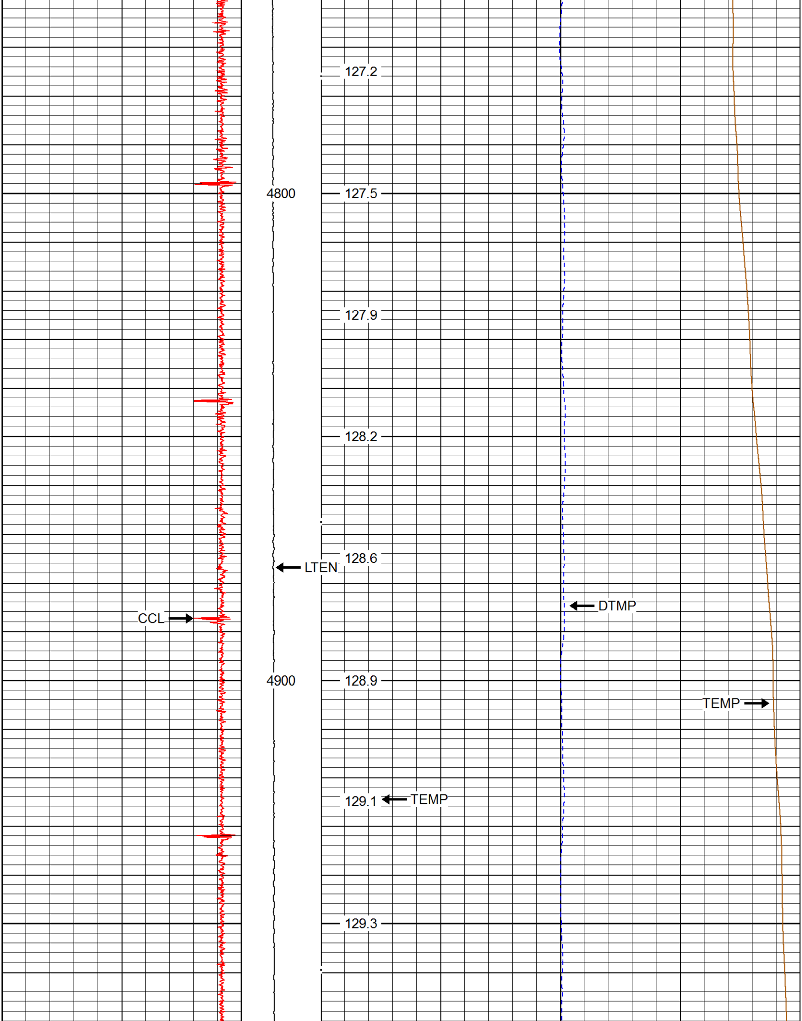

112.8
3900
113.0
113.1
113.4
113.9
4000
114.5
114.9
115.4
115.7
4100
116.0

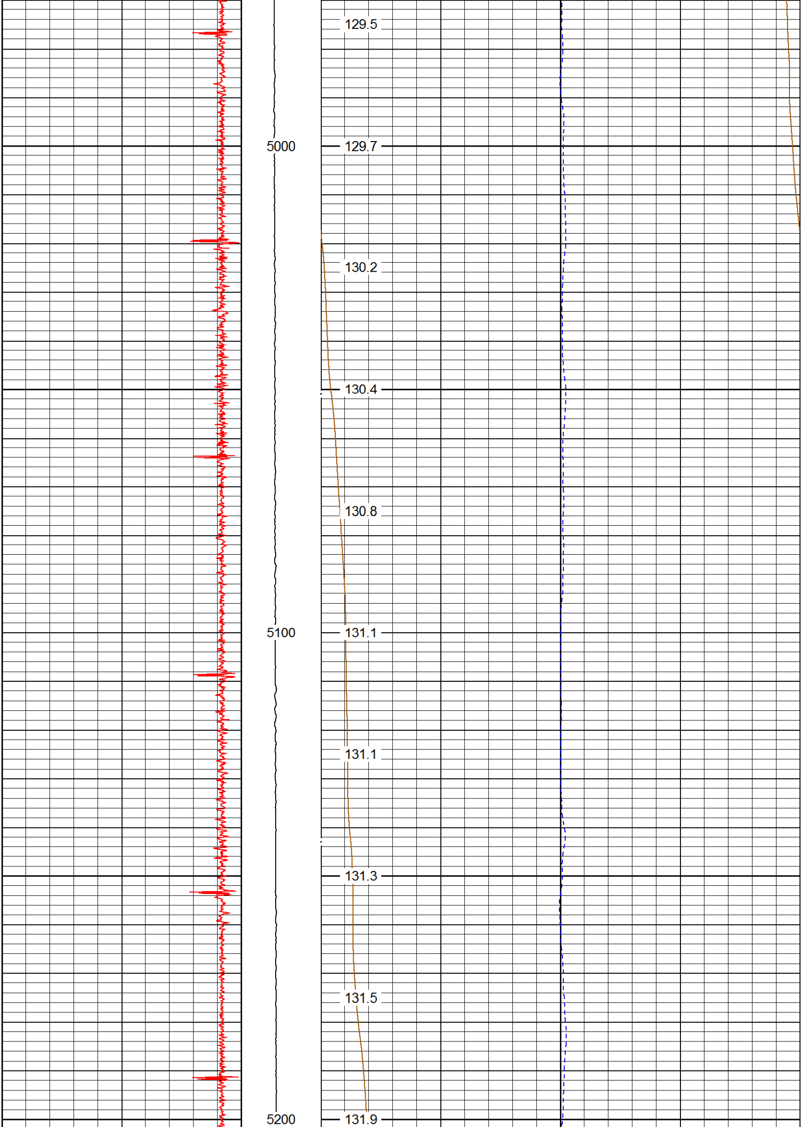

116.3
116.7
116.9
4200
117.2
117.6
117.8
118.2
4300
118.6


ESTIMATED TOP OF CEMENT
4322'
119.0
119.8
120.9
4400
121.6
122.1
122.4
123.1
4500
123.5
124.0



124.4
124.7
4600
125.2
125.6
126.0
126.2
4700
126.5
126.8
127.0


127.2
4800
127.5
127.9
128.2
128.6
LTEN
DTMP
CCL
4900
128.9
TEMP
129.1
TEMP
129.3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5000
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130.2
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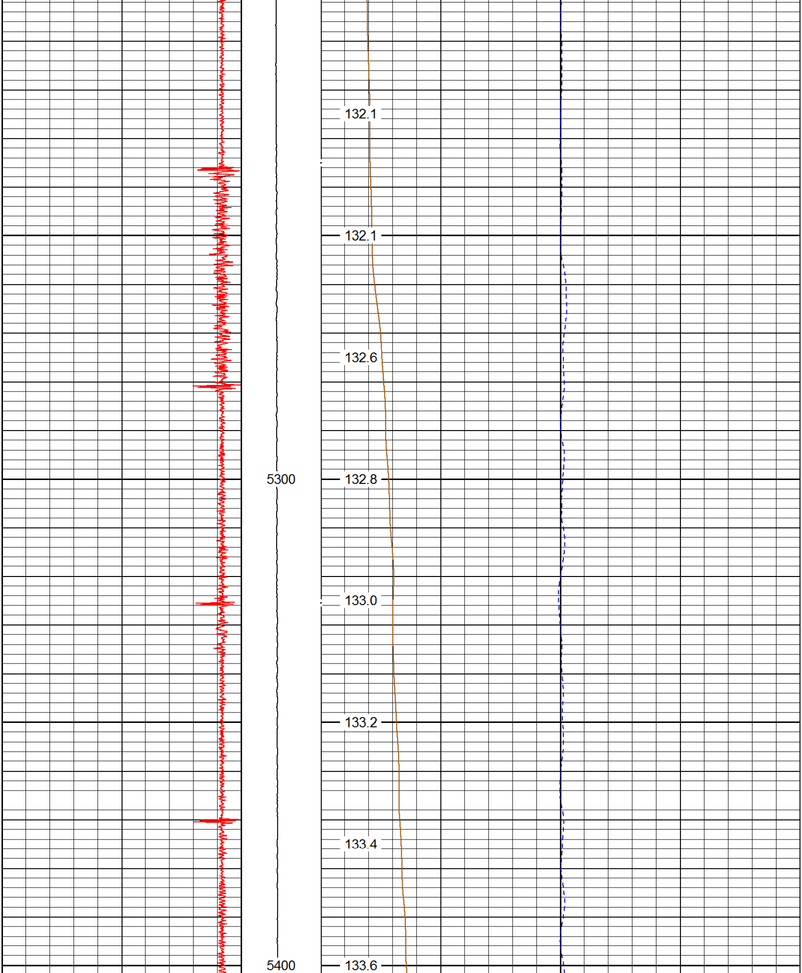
131.1
131.1
131.3
131.5
5200
131.9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132.1
132.6
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132.8
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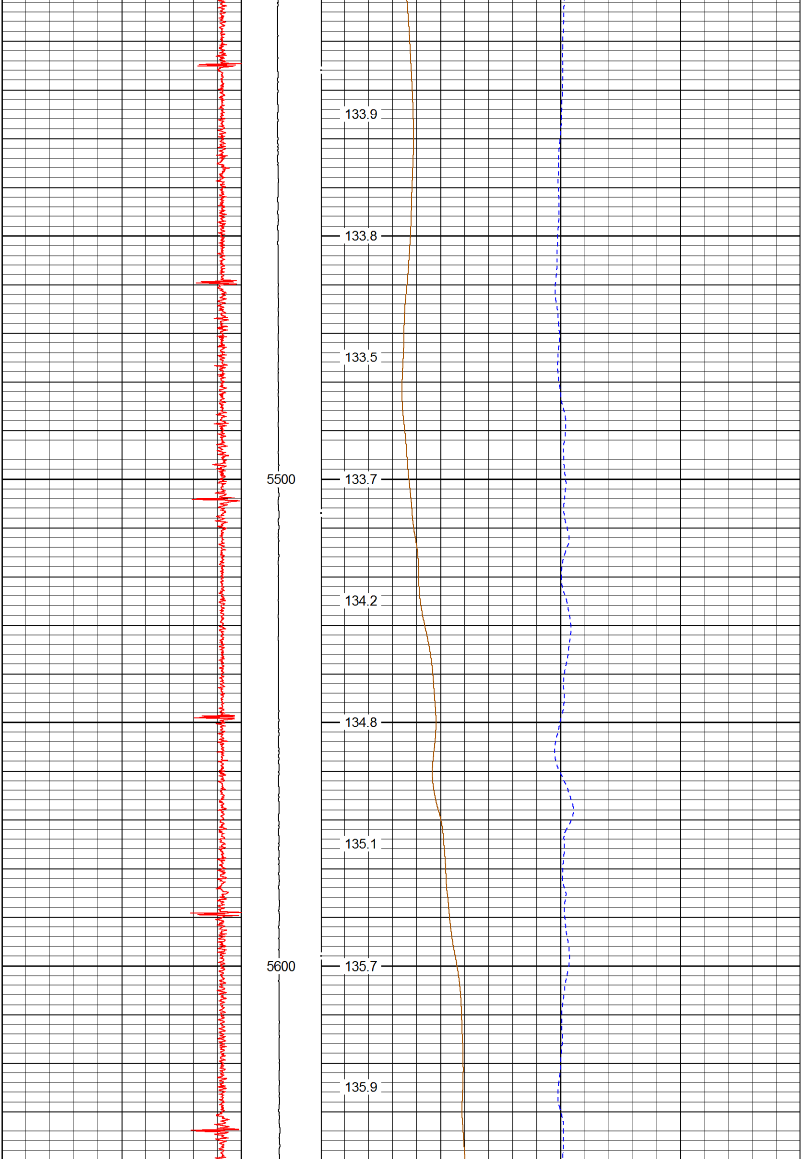
133.6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133.8
133.5
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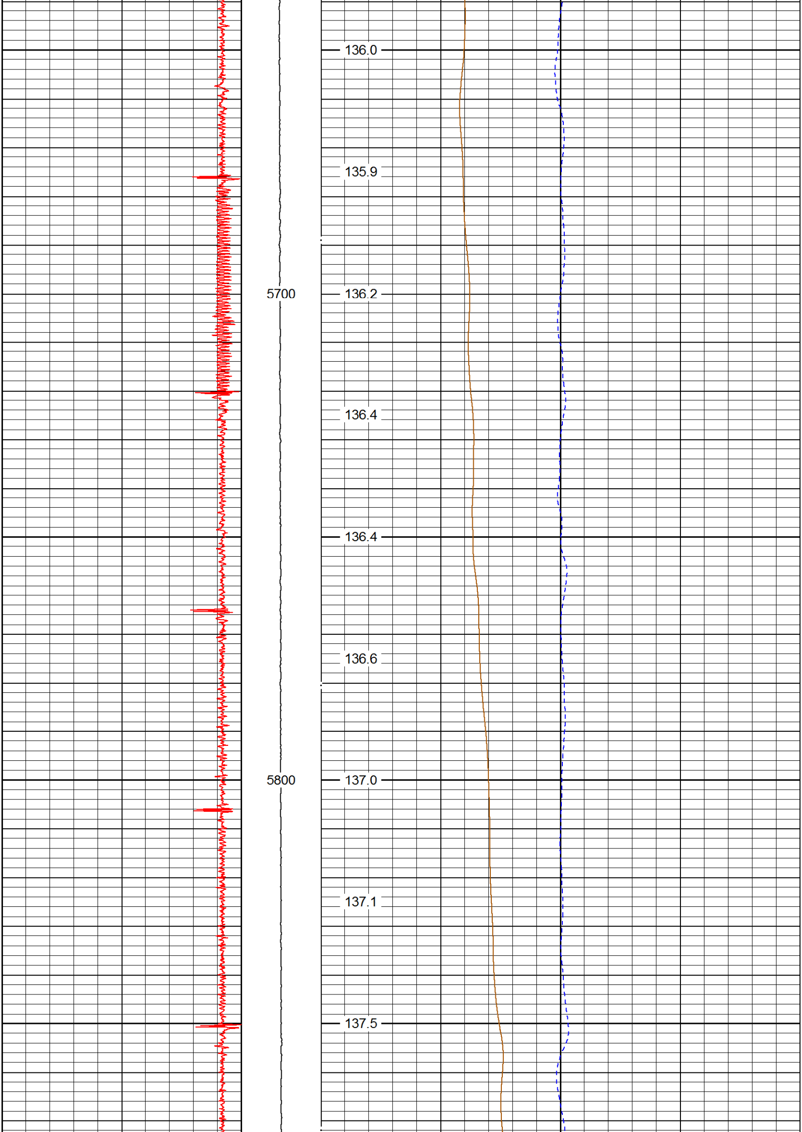
133.7
134.2
134.8
135.1
5600
135.7
135.9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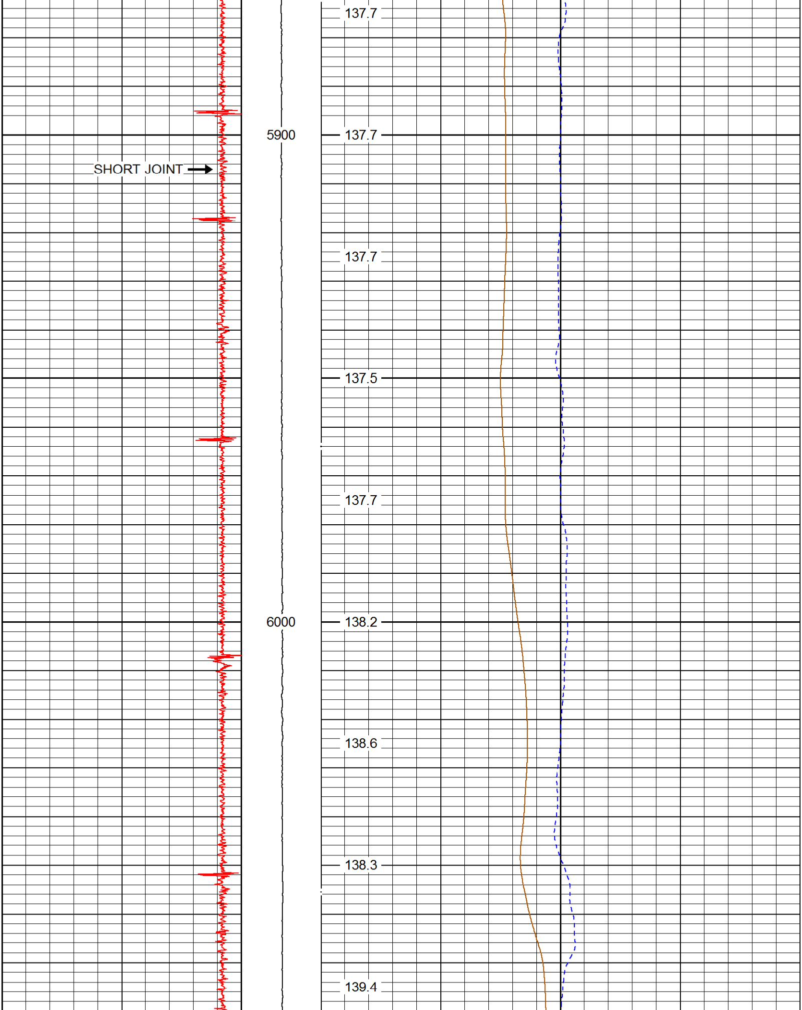
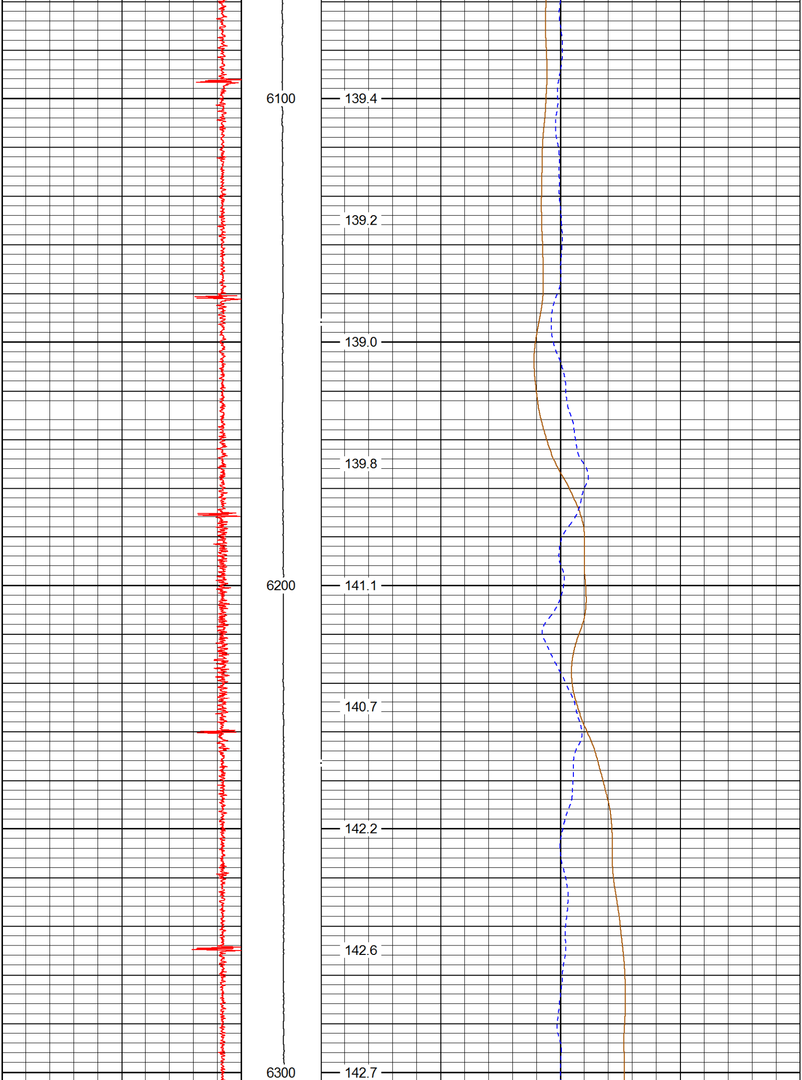
135.9
5700
136.2
136.4
136.4
136.6
5800
137.0
137.1
137.5


137.7
5900
137.7
SHORT JOINT
137.7
137.5
137.7
6000
138.2
138.6
138.3
139.4


6100
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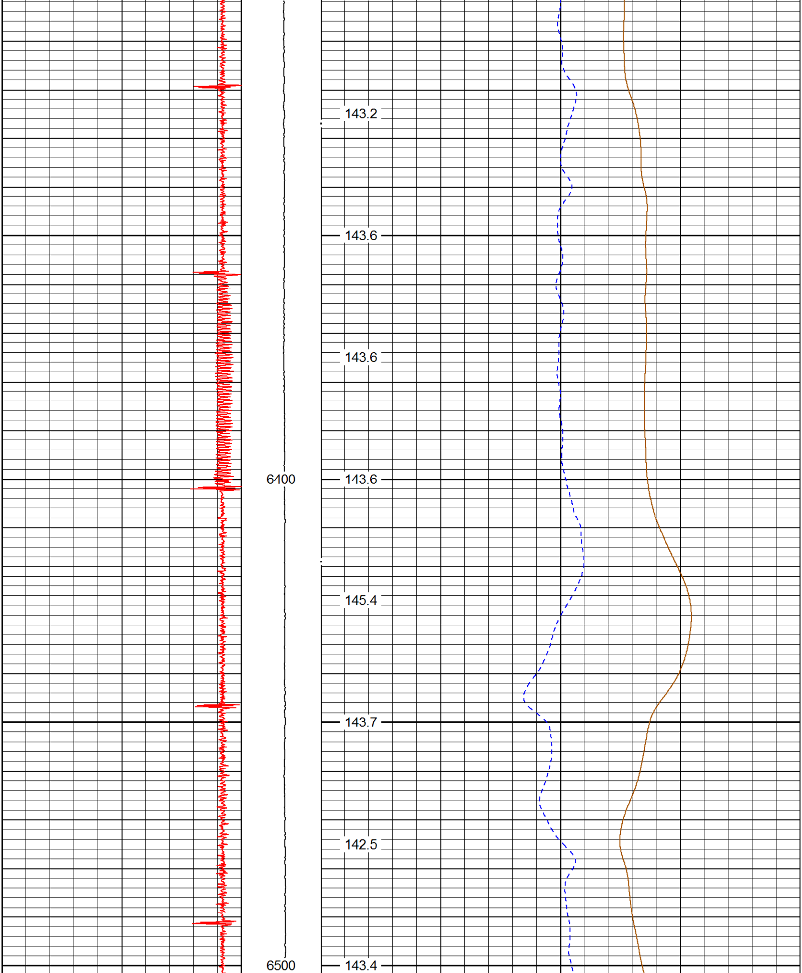
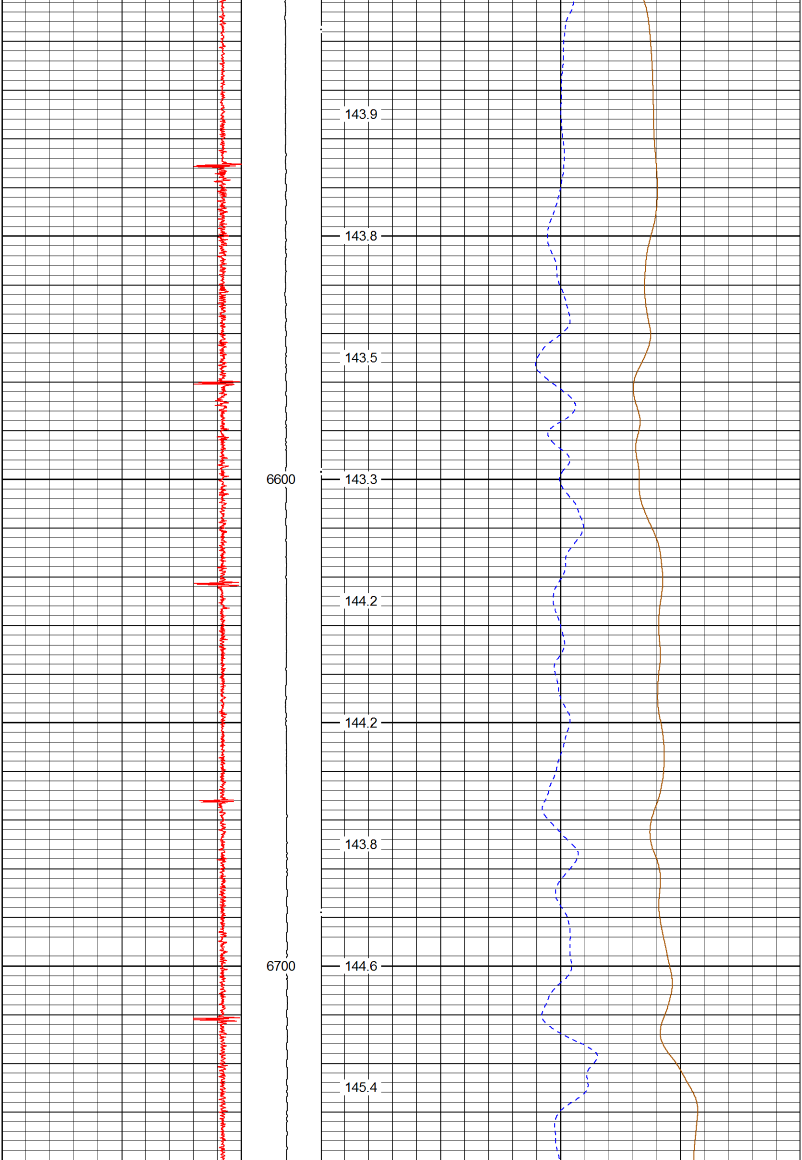
140.7
142.2
142.6
6300
142.7


143.2
143.6
143.6
6400
143.6
145.4
143.7
142.5
6500
143.4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143.8
143.5
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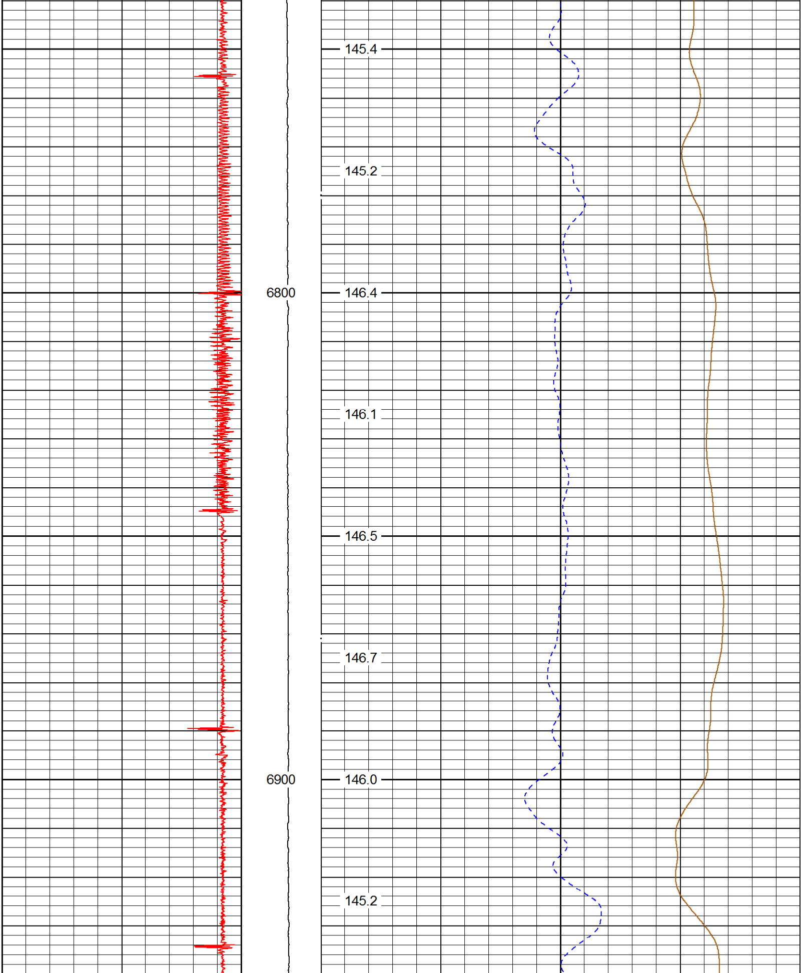
143.3
144.2
144.2
143.8
6700
144.6
145.4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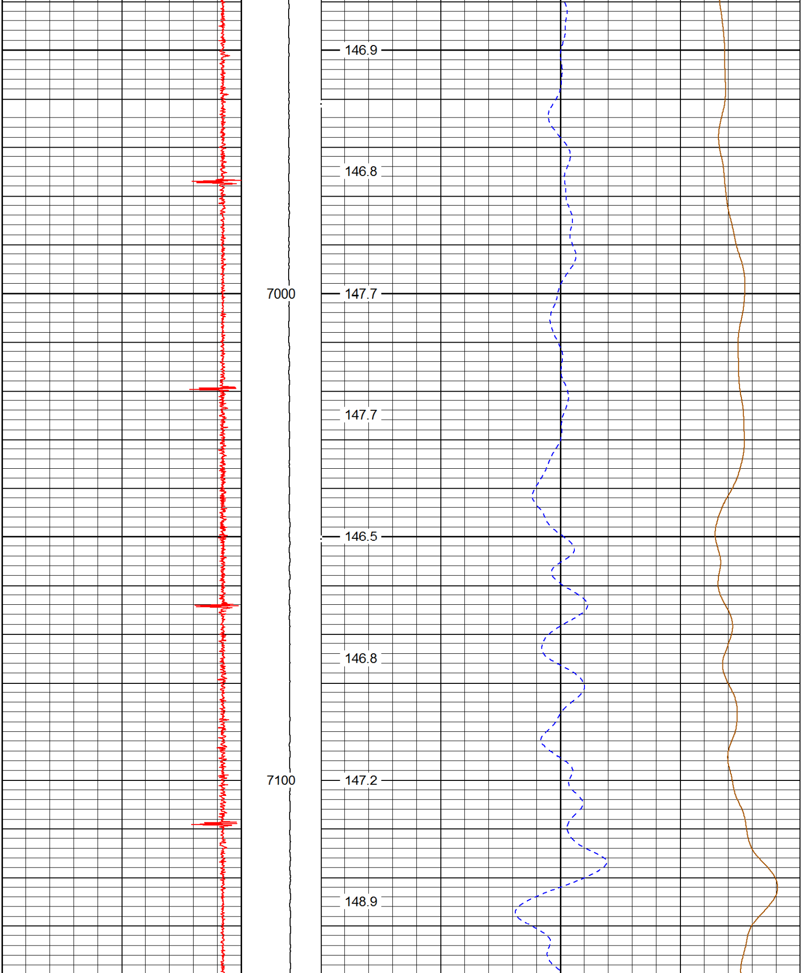
145.2
6800
146.4
146.1
146.5
146.7
6900
146.0
145.2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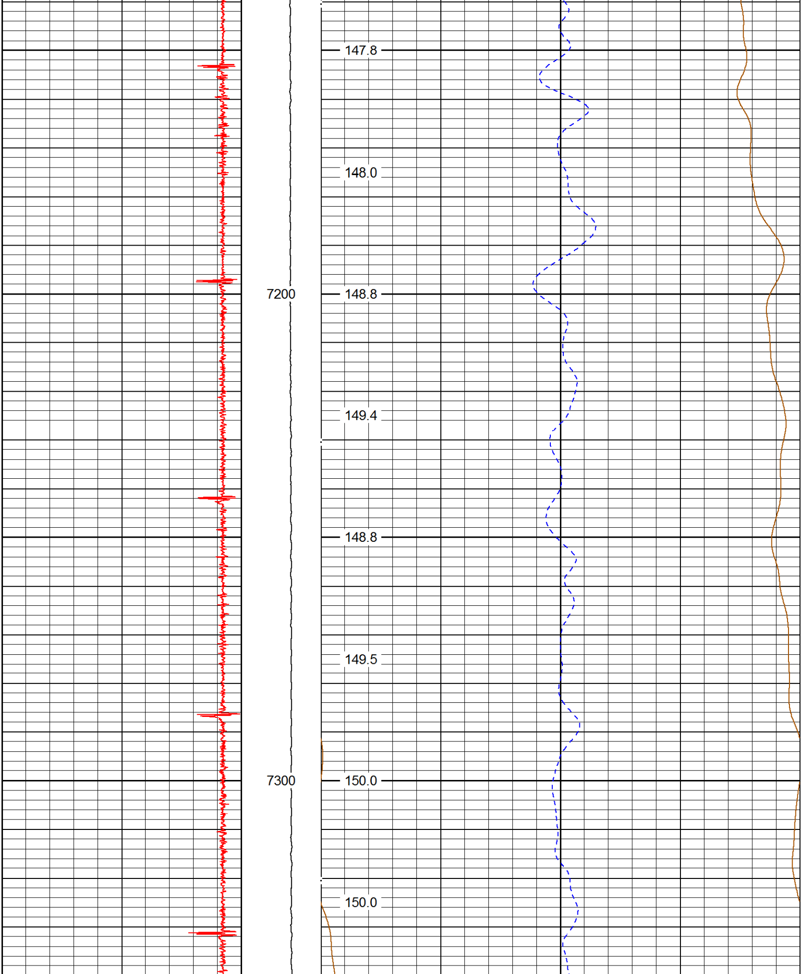
146.8
7000
147.7
147.7
146.5
146.8
7100
147.2
148.9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148.0
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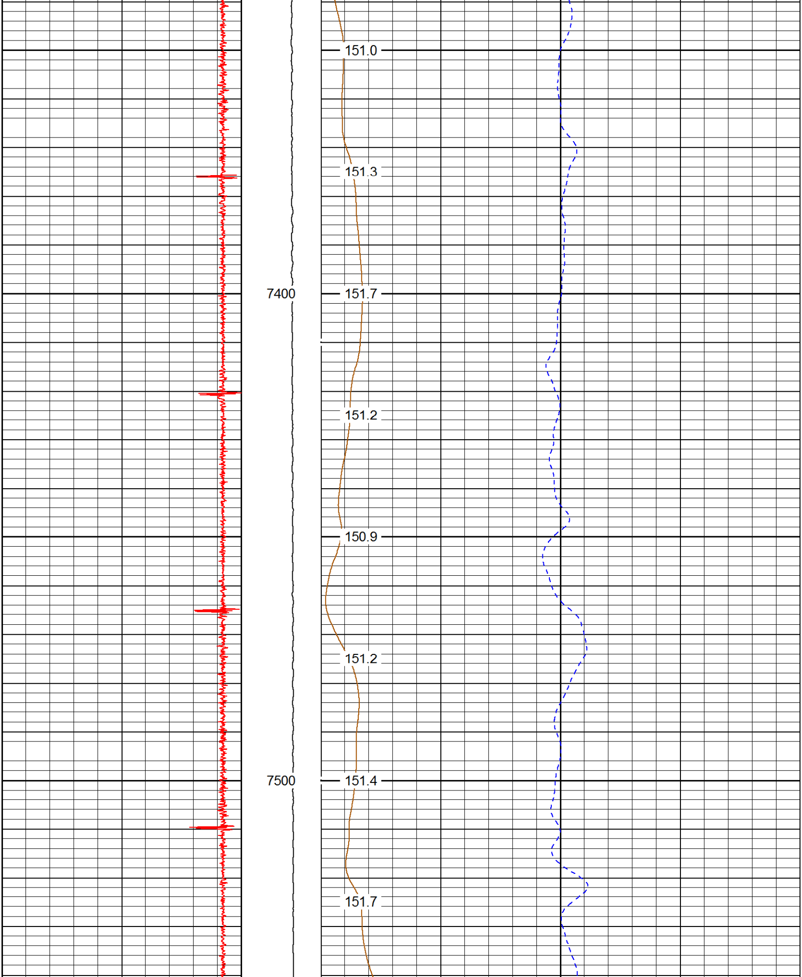
149.4
148.8
149.5
7300
150.0
150.0


151.0
151.3
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151.2
150.9
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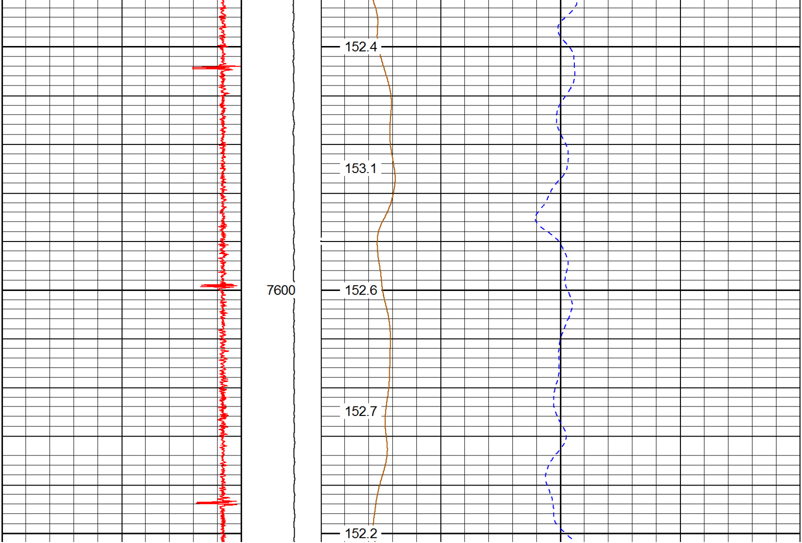
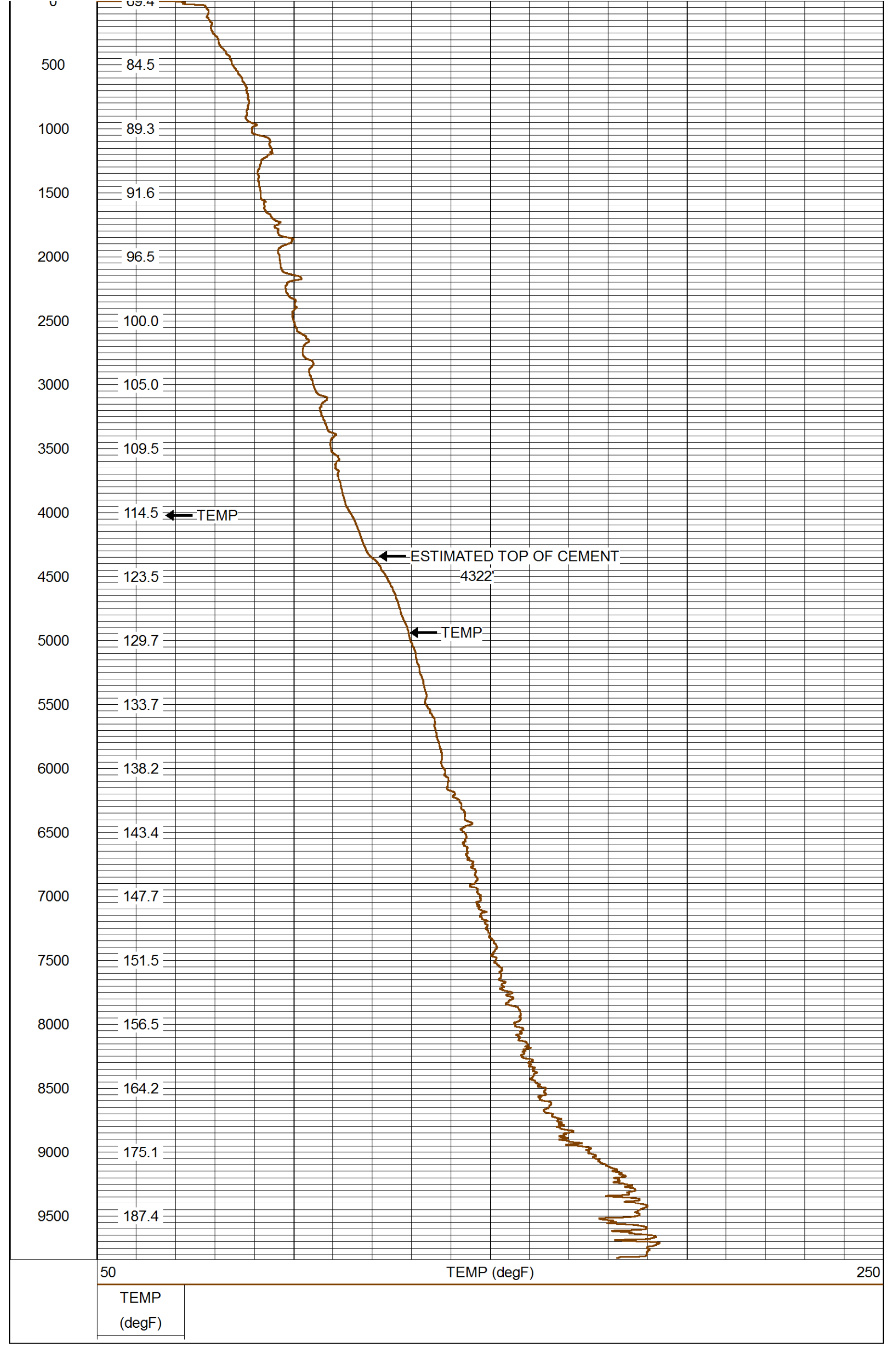
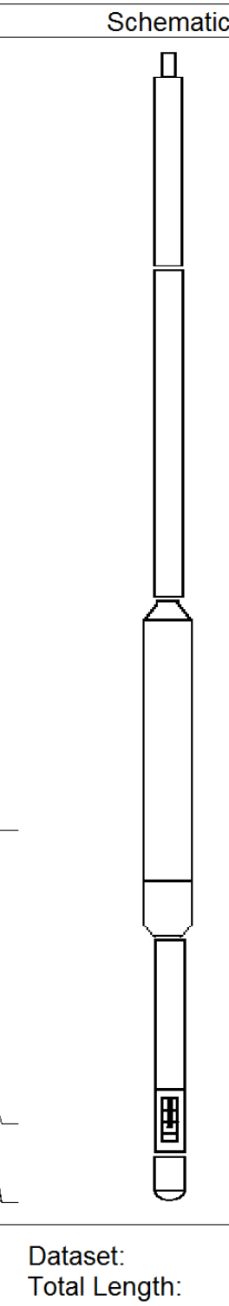
7500
151.4
151.7


152.4
153.1
7600
152.6
152.7
152.2

MAIN PASS (QUICK LOOK)

Database File: 10282016_tep_sr 544-12.db
Dataset Pathname: mainpass/pass2.1
Presentation Format: rmtemp_q
Dataset Creation: Fri Oct 28 16:04:12 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
CCL	1.77		CCL-028 (1037) CCL UW 3 1/8" SONDEX	1.61	3.13	36.00
TEMP TSTAMP ITEMPX HVOLTX	0.37 0.00 0.00 0.00		PRT-016 (217894) Platinum Resistance Thermometer	1.04	1.69	6.00
			BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset: 10282016_tep_sr 544-12.db: field/well/mainpass/pass2.1
Total Length: 5.50 ft
Total Weight: 51.70 lb
O.D. 3.13 in

ROCKY MOUNTAIN WIRELINE SERVICE

Company	TEP ROCKY MOUNTAIN LLC
Well	SR 544-12
Field	RULISON
County	GARFIELD
State	COLORADO