RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

TEMPERATURE CCL LOG

Company	TEP ROCKY MOUNTAIN LLC
Well	RU 24-7
Field	RULISON
County	GARFIELD
State	COLORADO
Location:	API #: 05-045-23261 QtrQtr: NWSW LAT. 39.452262 LON. -107.825810
SEC 7	TWP 7S RGE 93W
Other Services	

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

Date	01-18-2016		
Run Number	ONE		
Depth Driller	10042'		
Present Depth Driller	10000'		
Depth Logger	9968'		
Bottom Logged Interval	9968'		
Top Log Interval	SURFACE		
Fluid Level	FULL		
Type Fluid	WATER		
Max. Recorded Temp.	200.0°F		
Estimated Cement Top	3750'		
Equipment Number	216		
Location	GRAND JCT.		
Recorded By	MONTANO	MCBROOM	EDWARDS
Witnessed By	MR. HAIRE		

Borehole Record			Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				4.50"	11.6#	SURFACE	10032'

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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 6257' TO 6279'

Calibration Report

Database File: 011816_tep_ru_24-7.db
Dataset Pathname: mainpass/pass1
Dataset Creation: Wed Jan 18 05:02:29 2017 by Log SCH 120430

Temperature Calibration Report

Serial Number: 10008207
Tool Model: 016
Performed: Thu Aug 18 15:52:34 2016

Point #	Reading		Reference	
1	11720.00	cps	62.12	degF
2	17822.00	cps	104.92	degF
3	29420.00	cps	176.56	degF
4	40978.00	cps	247.35	degF
5	52763.00	cps	318.38	degF
6	58614.00	cps	354.31	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

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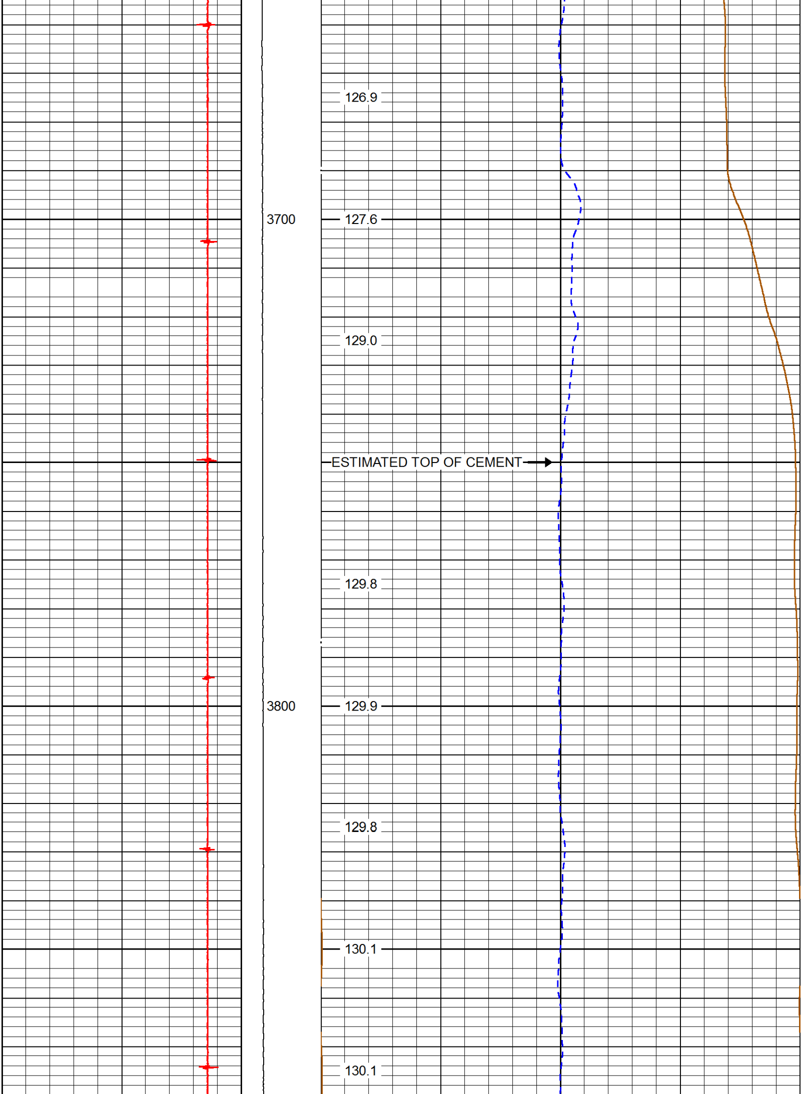
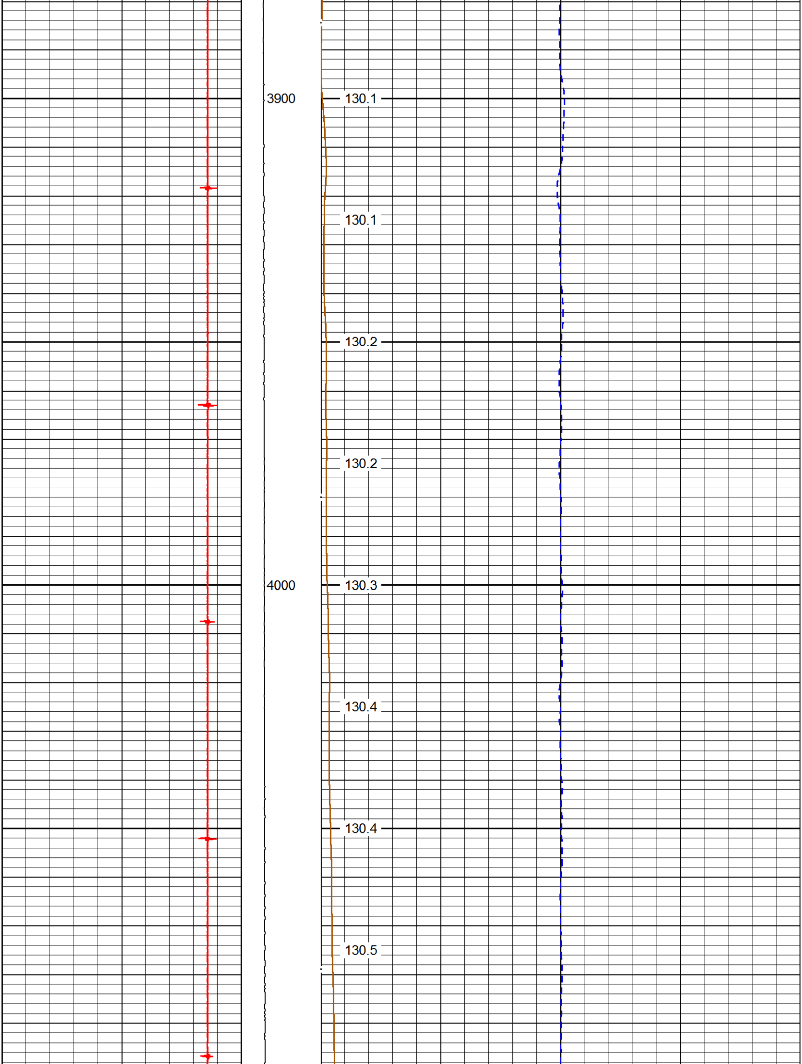
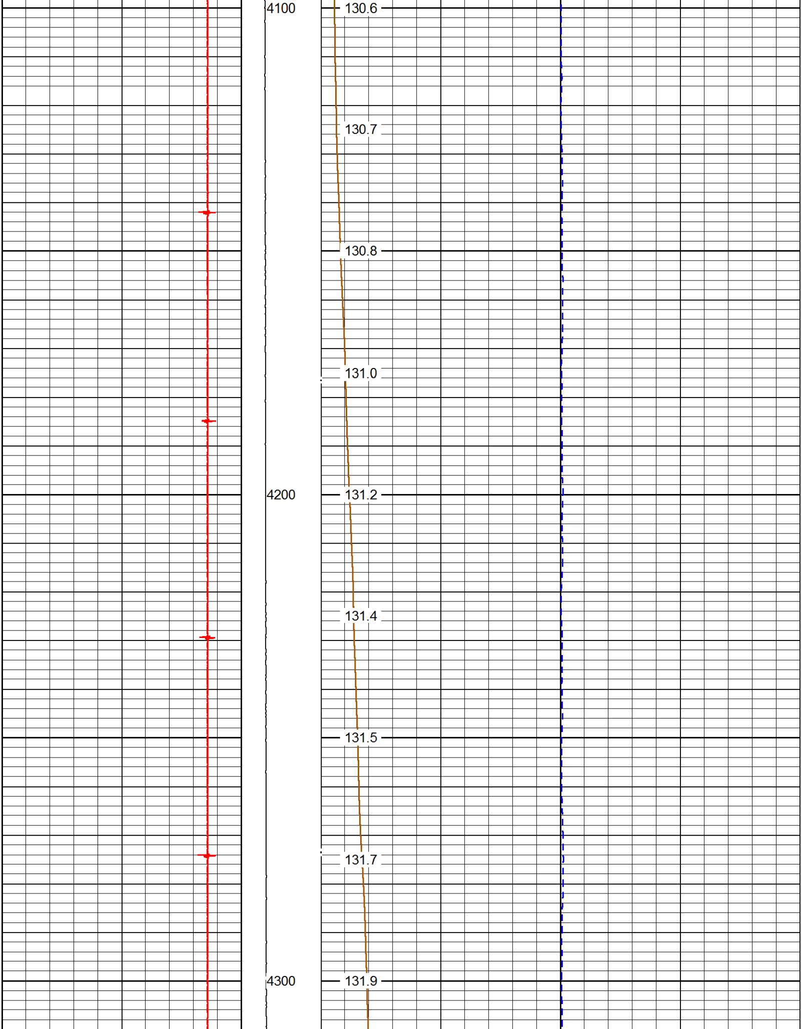
ROCKY MOUNTAIN WIRELINE SERVICE

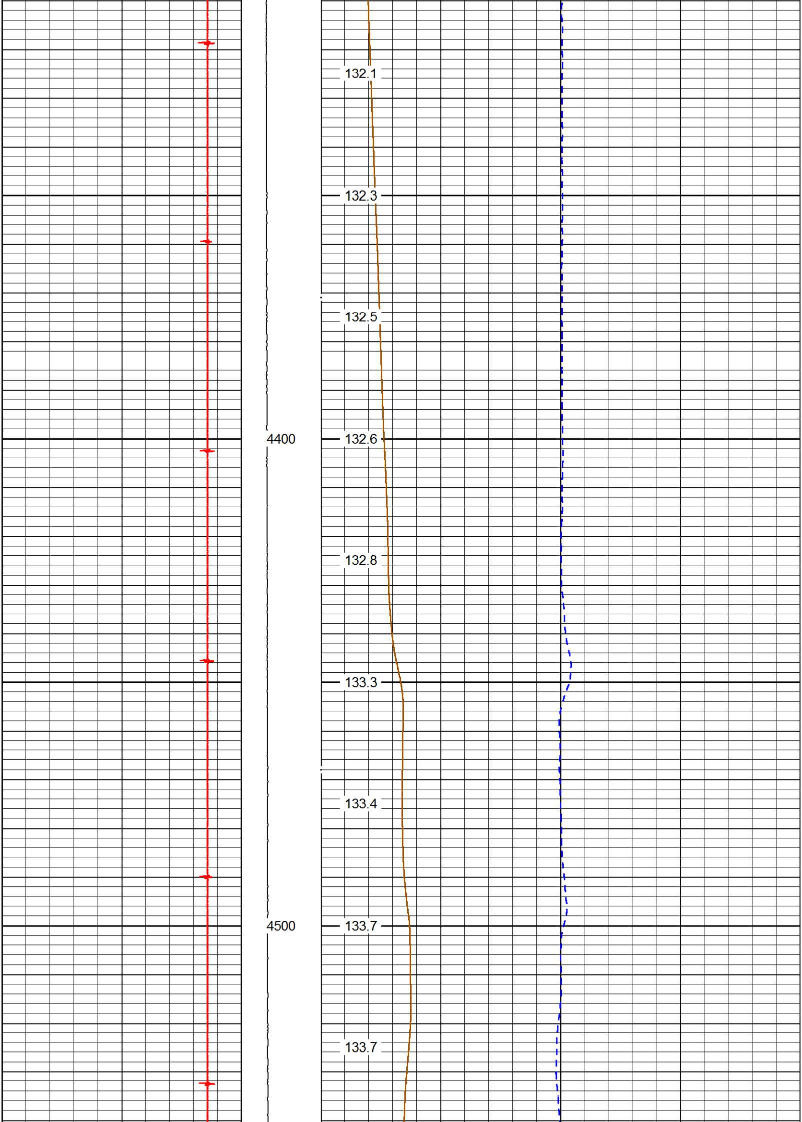
MAIN PASS

Database File: 011816_tep_ru_24-7.db
Dataset Pathname: mainpass/pass1
Presentation Format: rmws_tem
Dataset Creation: Wed Jan 18 05:02:29 2017 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240


126.9
3700
127.6
129.0
ESTIMATED TOP OF CEMENT
129.8
3800
129.9
129.8
130.1
130.1


3900
130.1
130.1
130.2
130.2
4000
130.3
130.4
130.4
130.5


4100
130.6
130.7
130.8
131.0
4200
131.2
131.4
131.5
131.7
4300
131.9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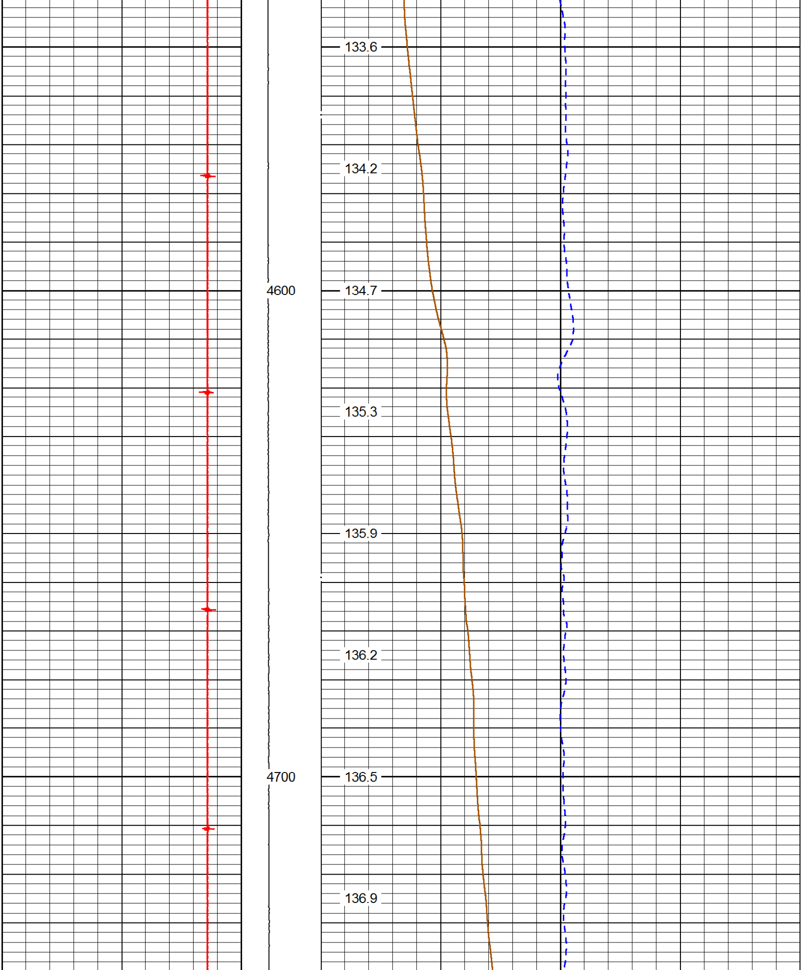
132.3
132.5
4400
132.6
132.8
133.3
133.4
4500
133.7
133.7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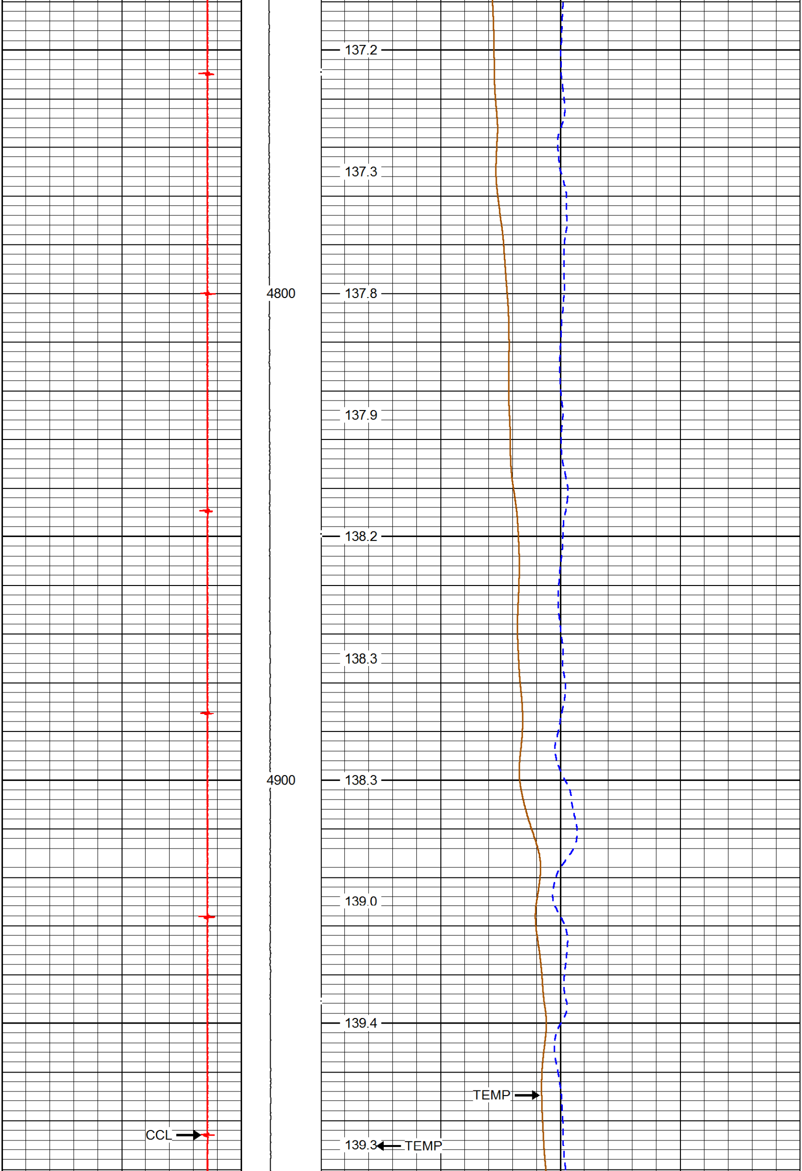
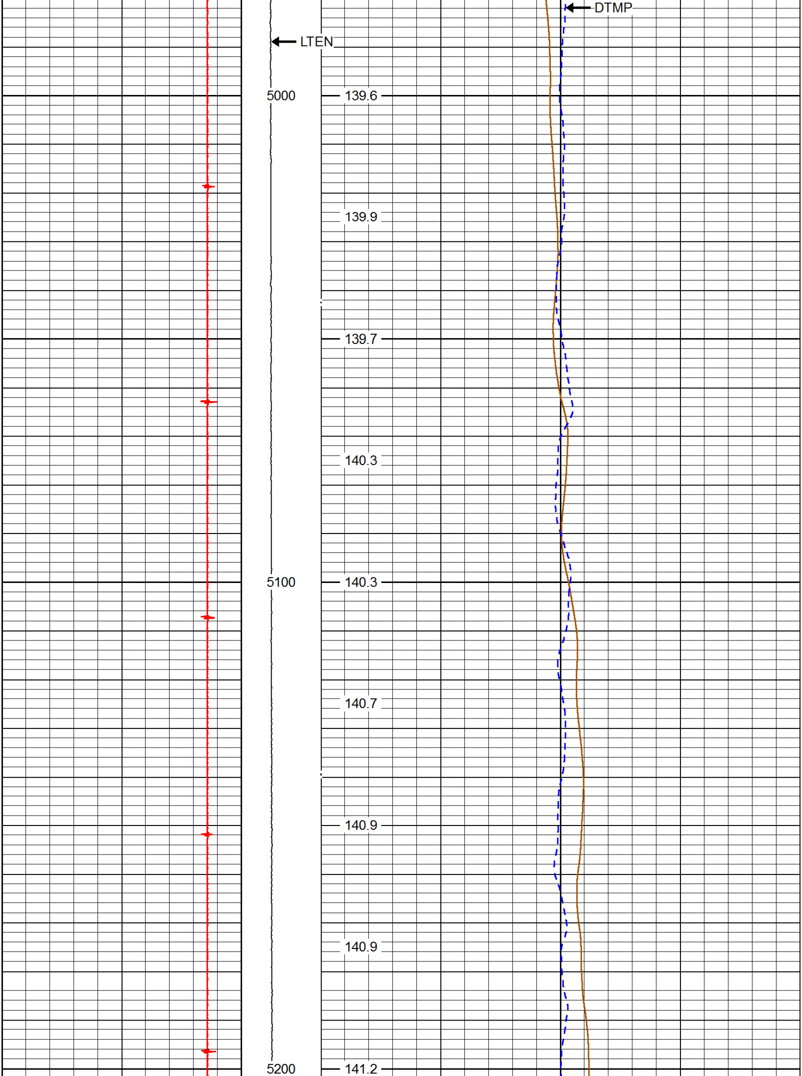
134.2
4600
134.7
135.3
135.9
136.2
4700
136.5
136.9


137.2
137.3
4800
137.8
137.9
138.2
138.3
4900
138.3
139.0
139.4
TEMP
CCL
139.3
TEMP


DTMP
LTEN
5000
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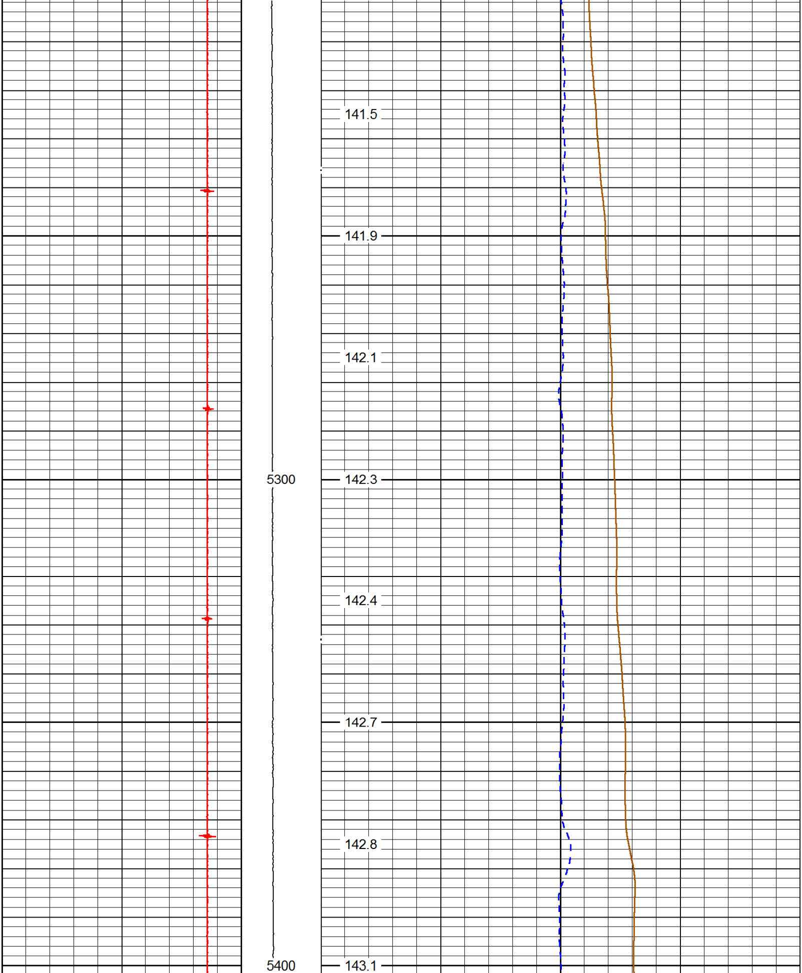
139.9
139.7
140.3
5100
140.3
140.7
140.9
140.9
5200
141.2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141.9
142.1
5300
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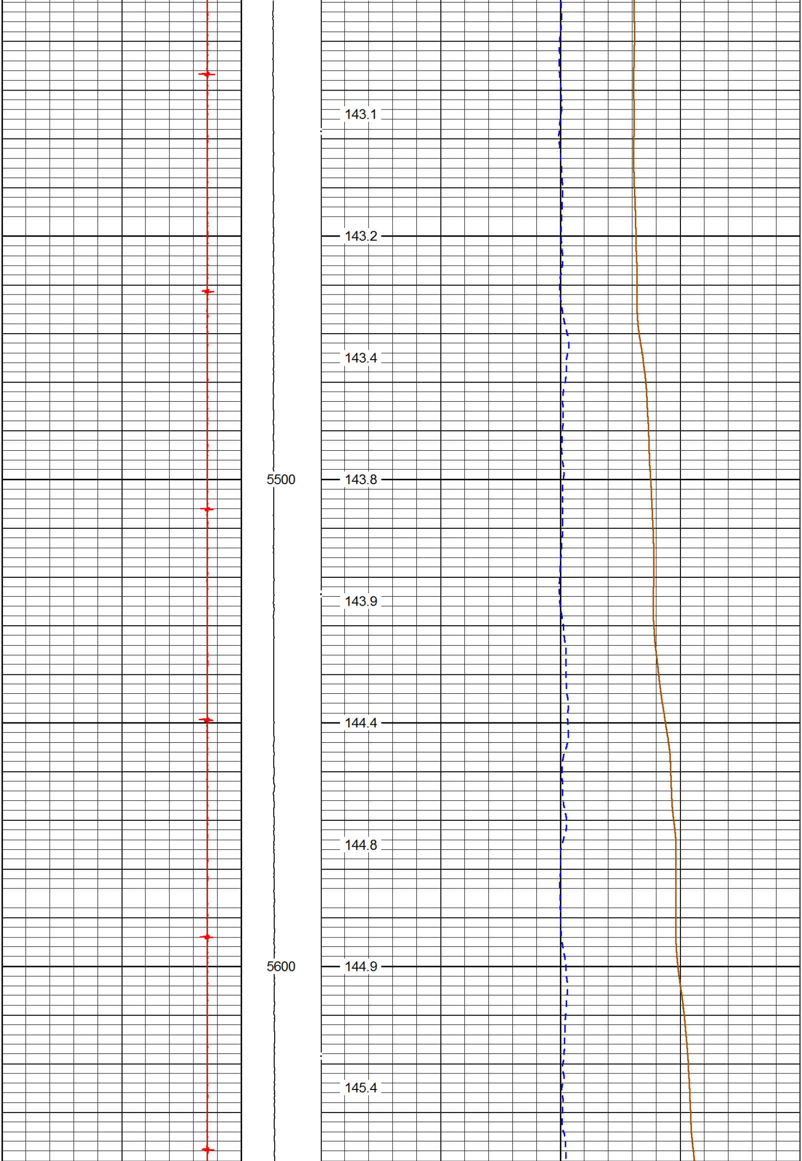
142.8
5400
143.1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143.2
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144.4
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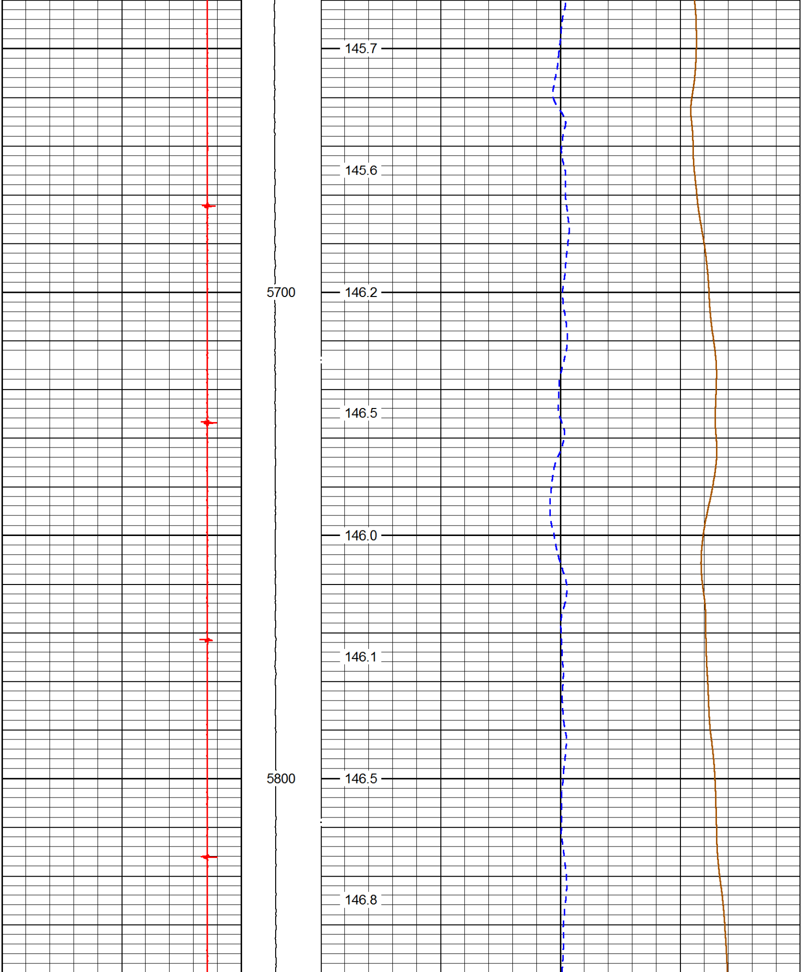
144.9
145.4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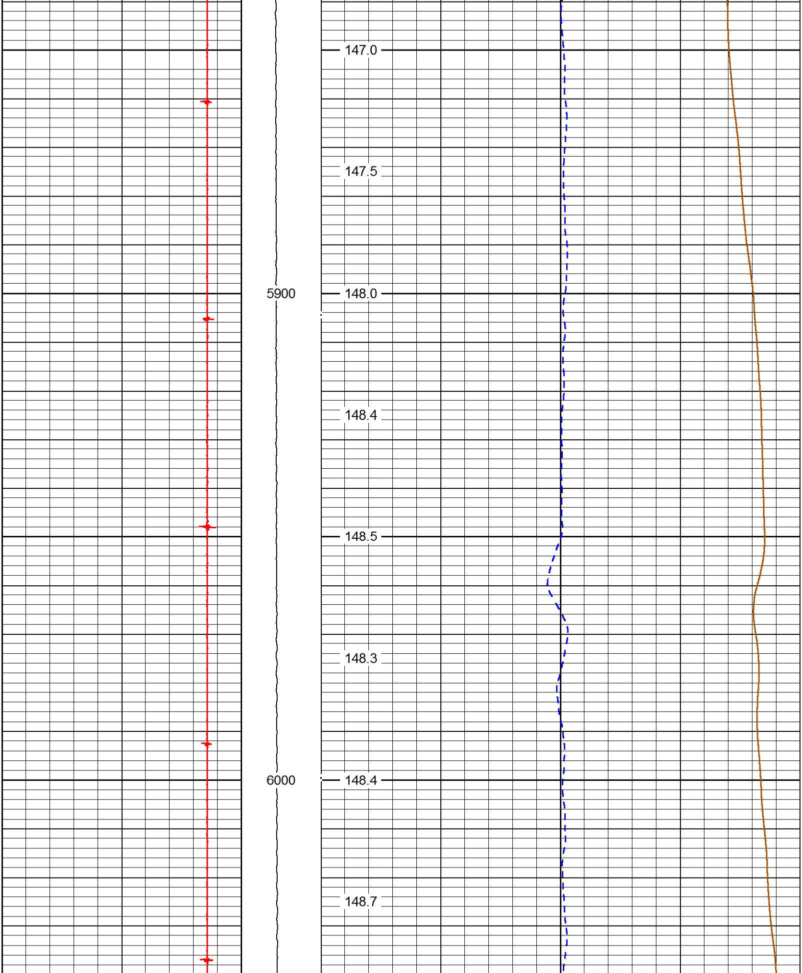
145.6
5700
146.2
146.5
146.0
146.1
5800
146.5
146.8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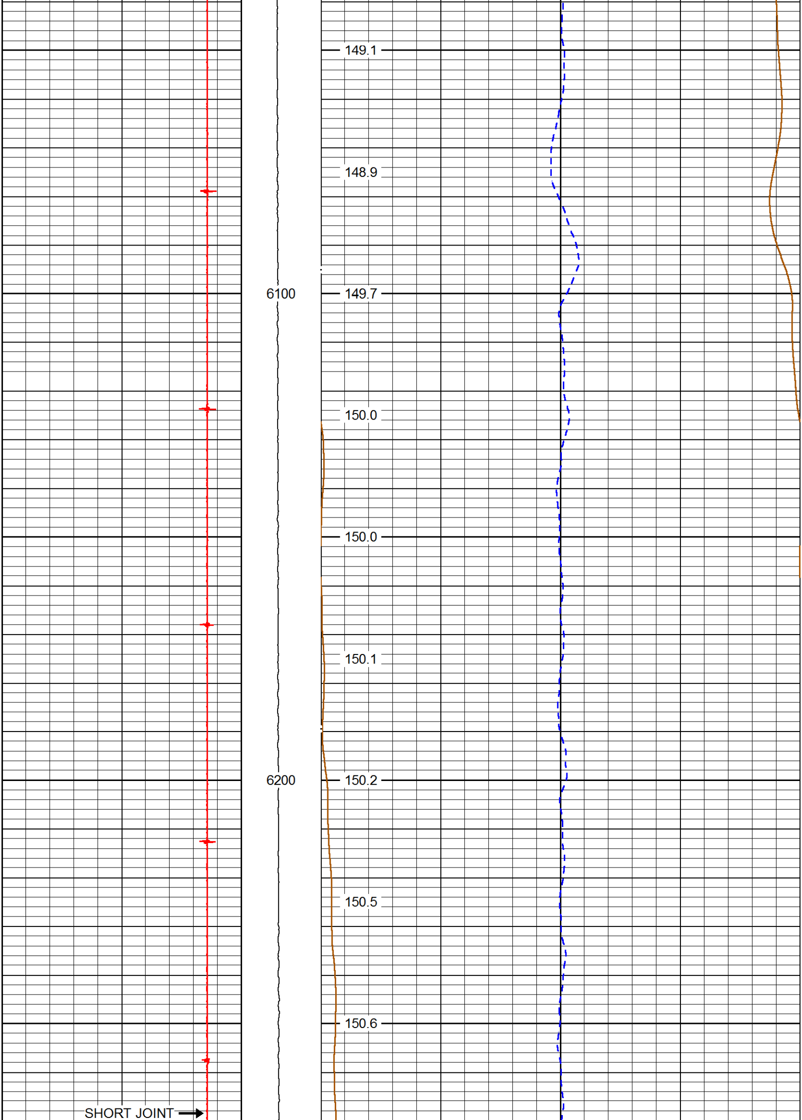
147.5
5900
148.0
148.4
148.5
148.3
6000
148.4
148.7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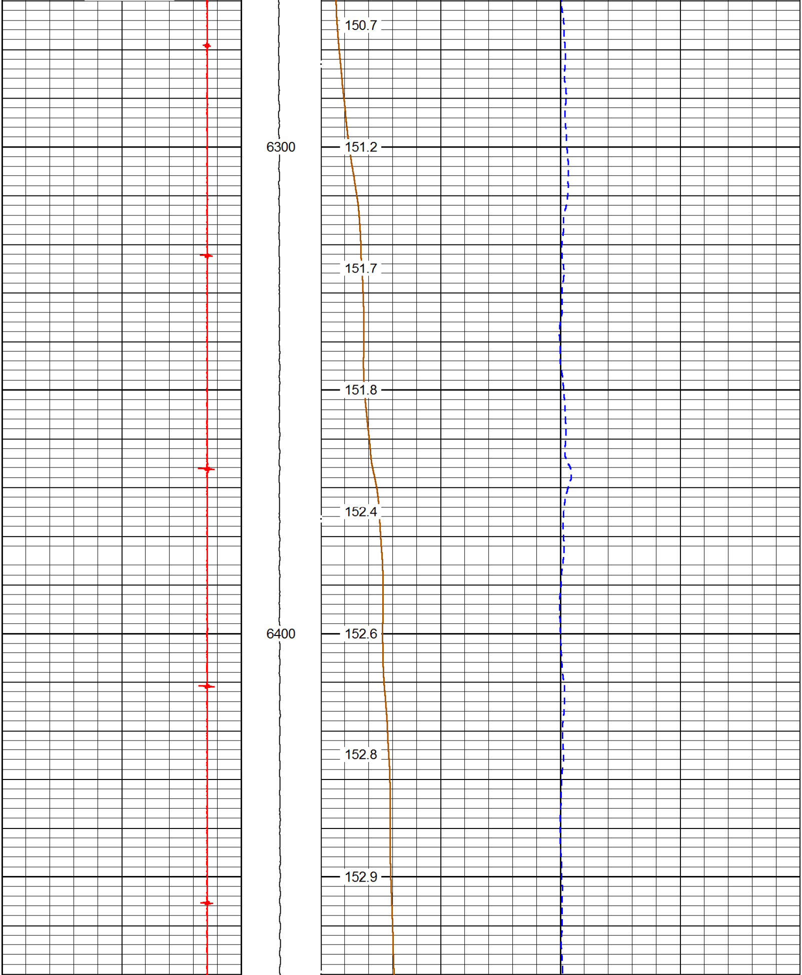
148.9
6100
149.7
150.0
150.0
150.1
6200
150.2
150.5
150.6
SHORT JOINT


6300
6400
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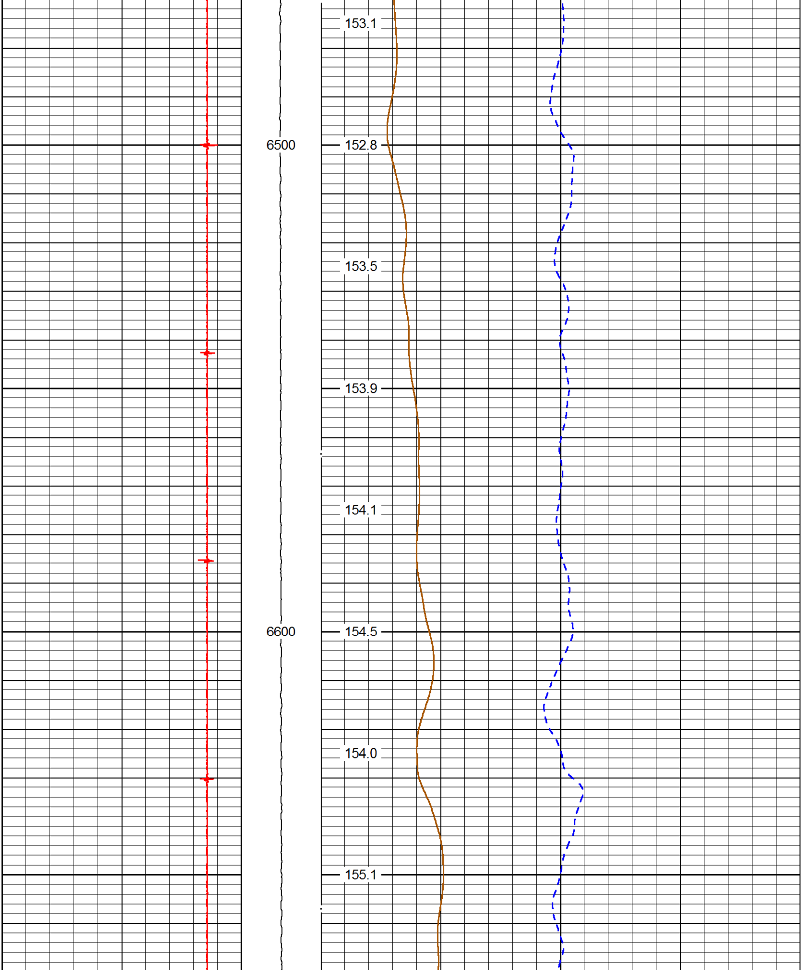
152.4
152.6
152.8
152.9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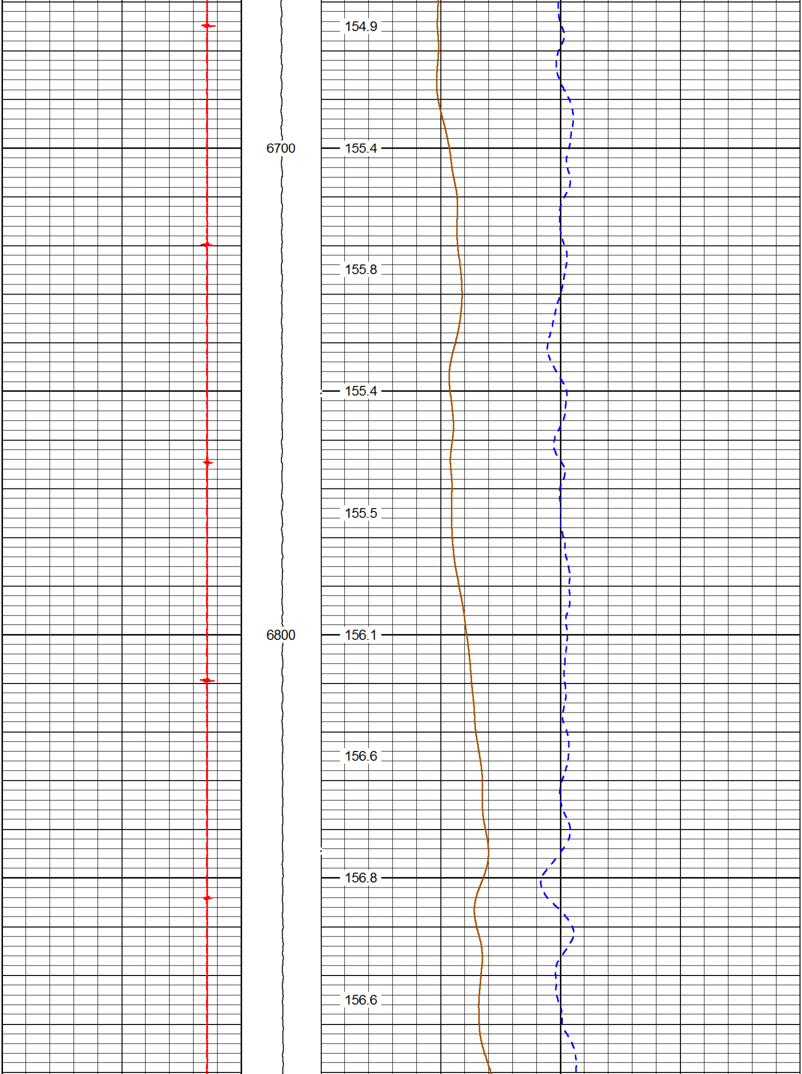
6500
152.8
153.5
153.9
154.1
6600
154.5
154.0
155.1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6700
155.4
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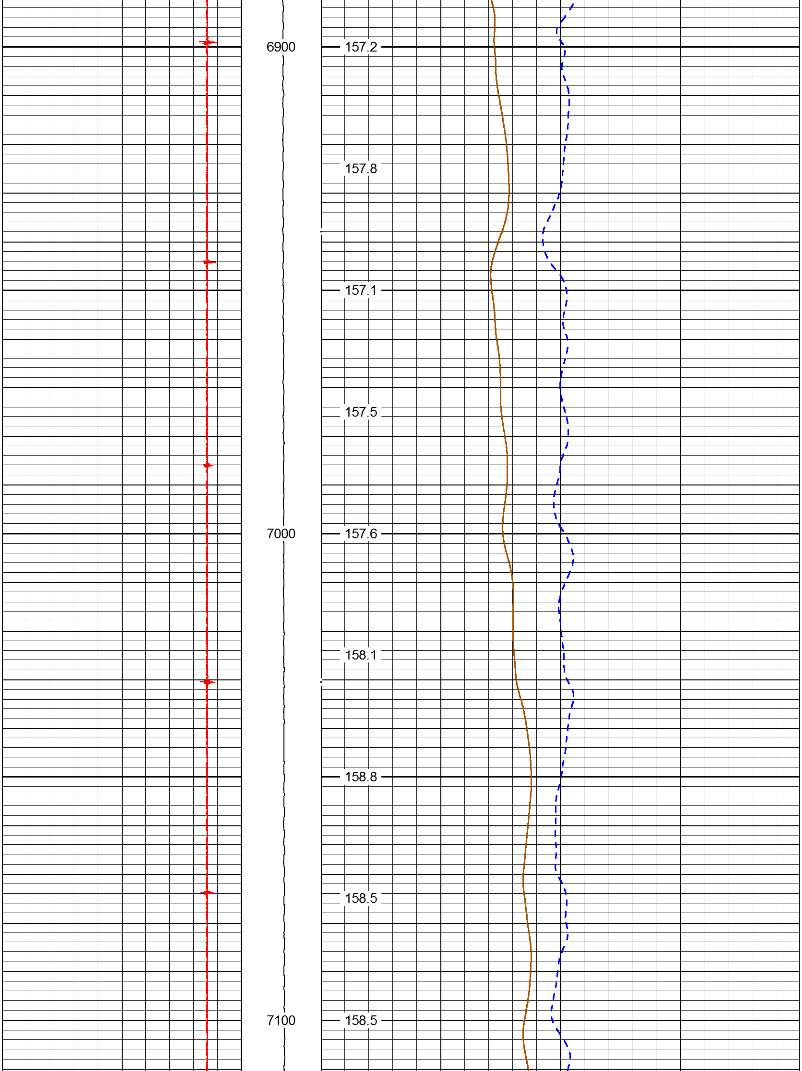
156.6
156.8
156.6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157.2
157.8
157.1
157.5
7000
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158.1
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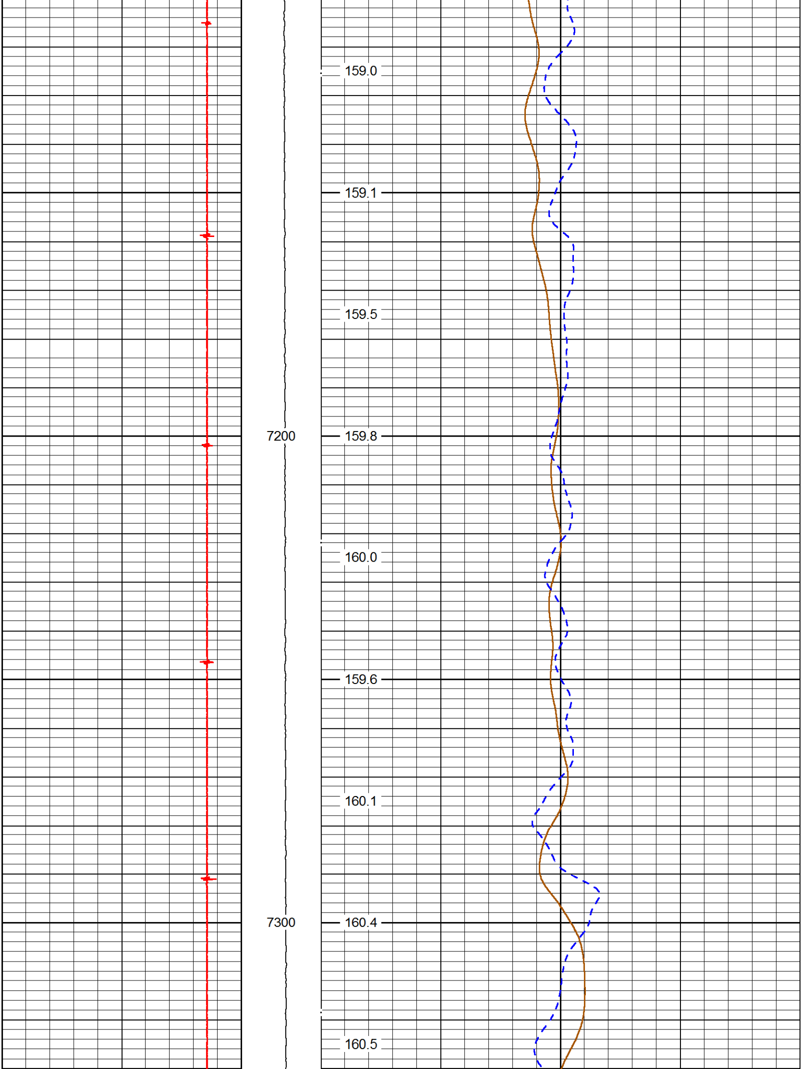
158.5
7100
158.5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159.1
159.5
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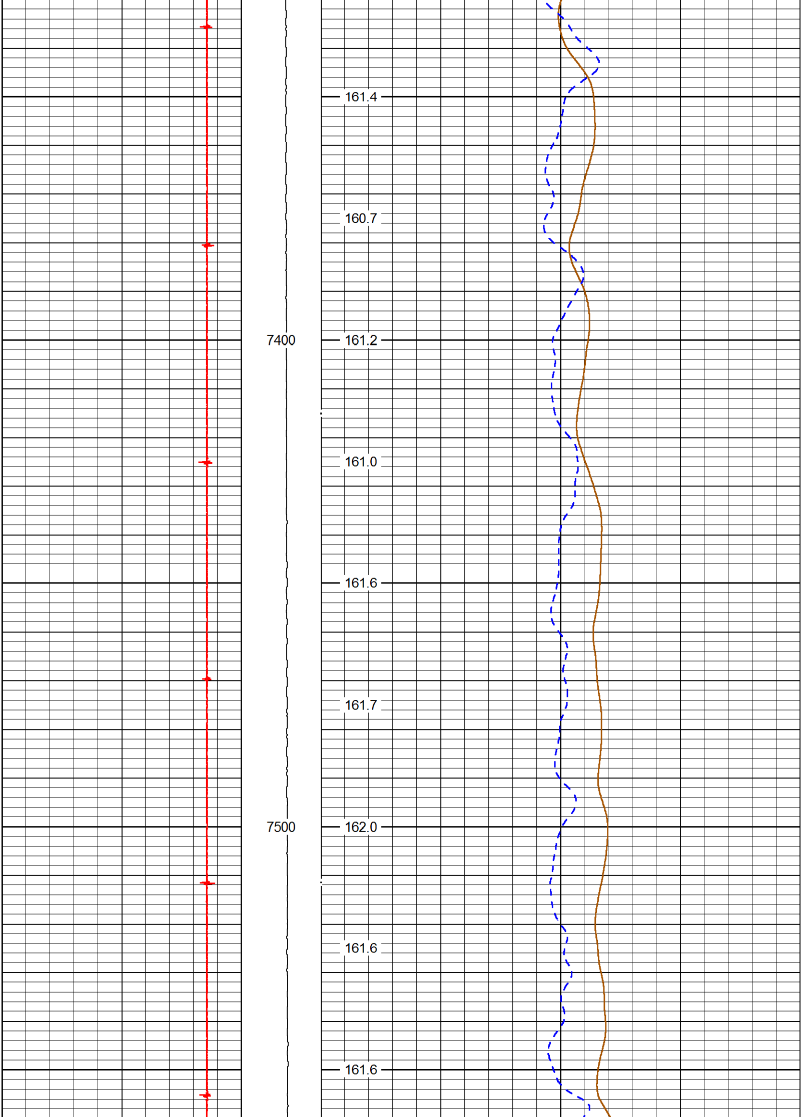
160.5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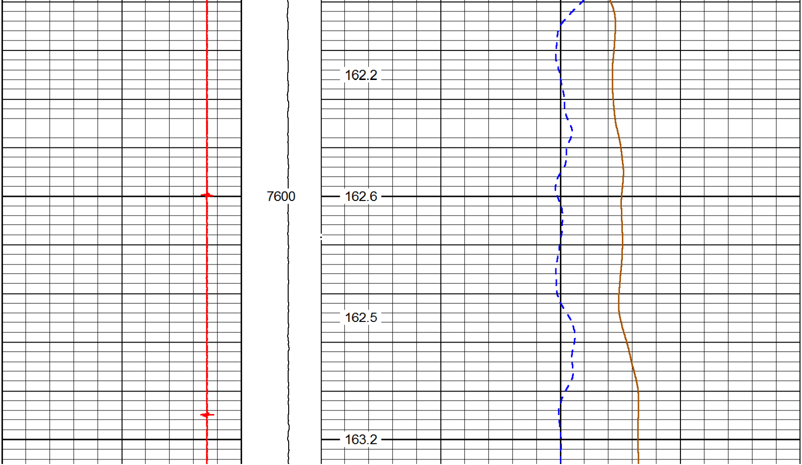
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162.6
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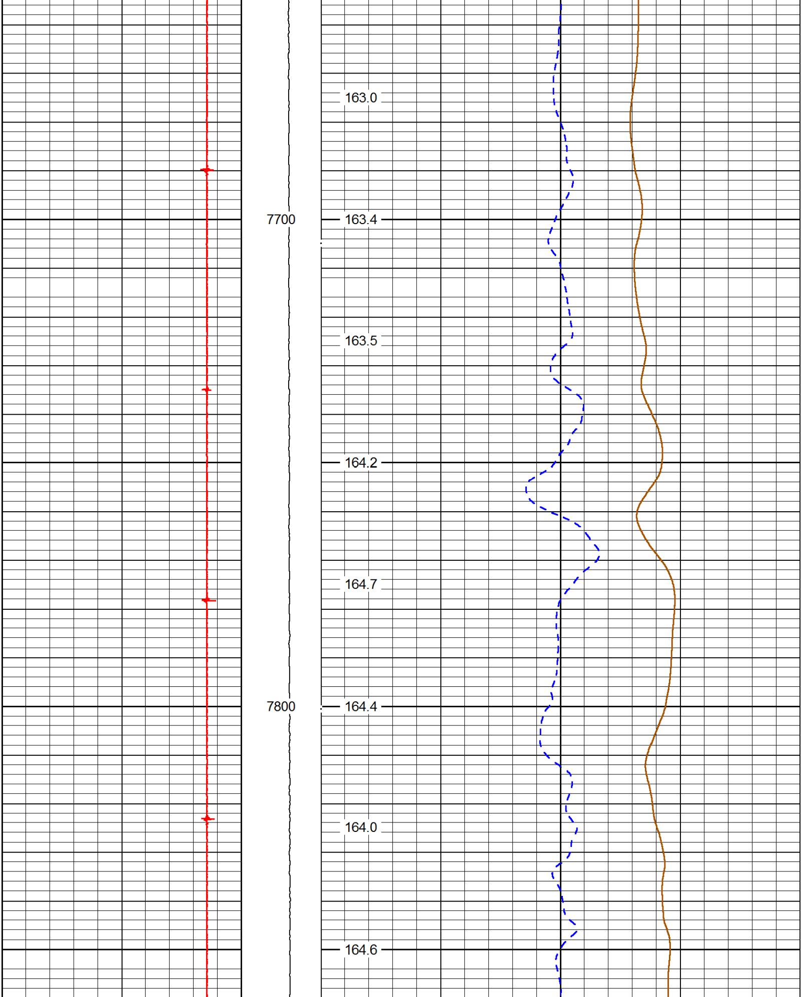
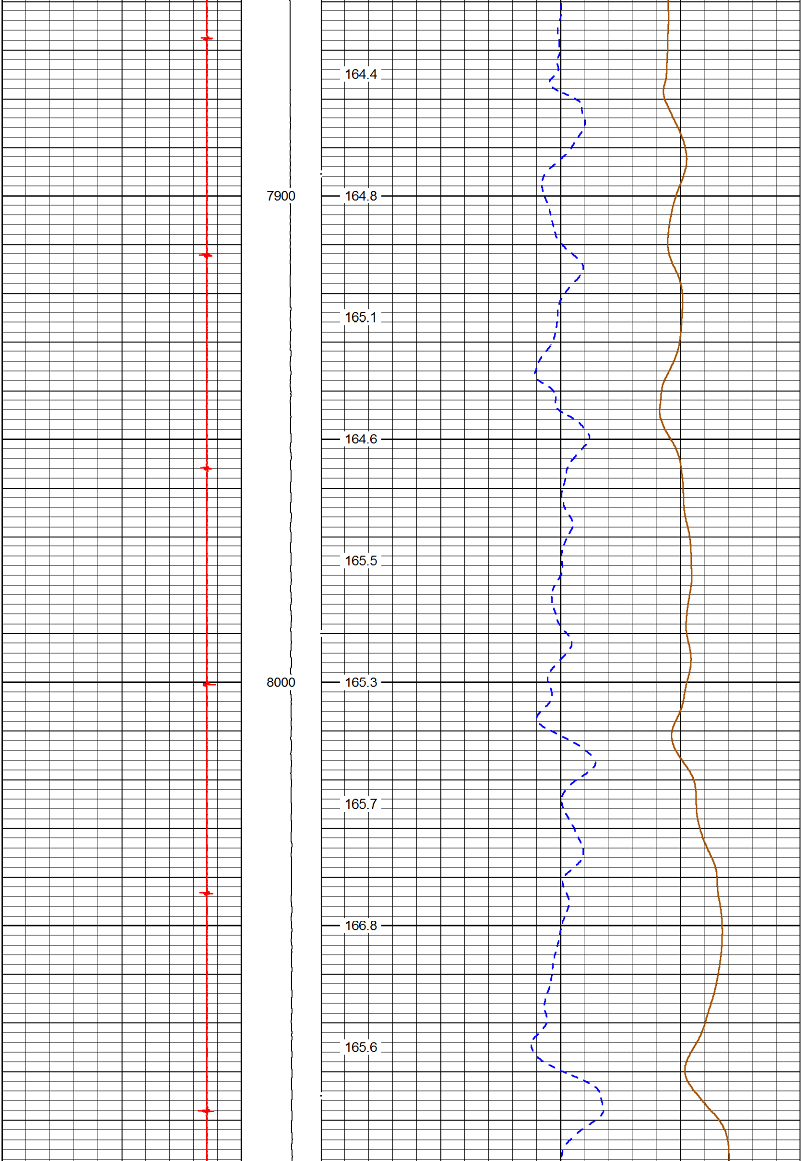
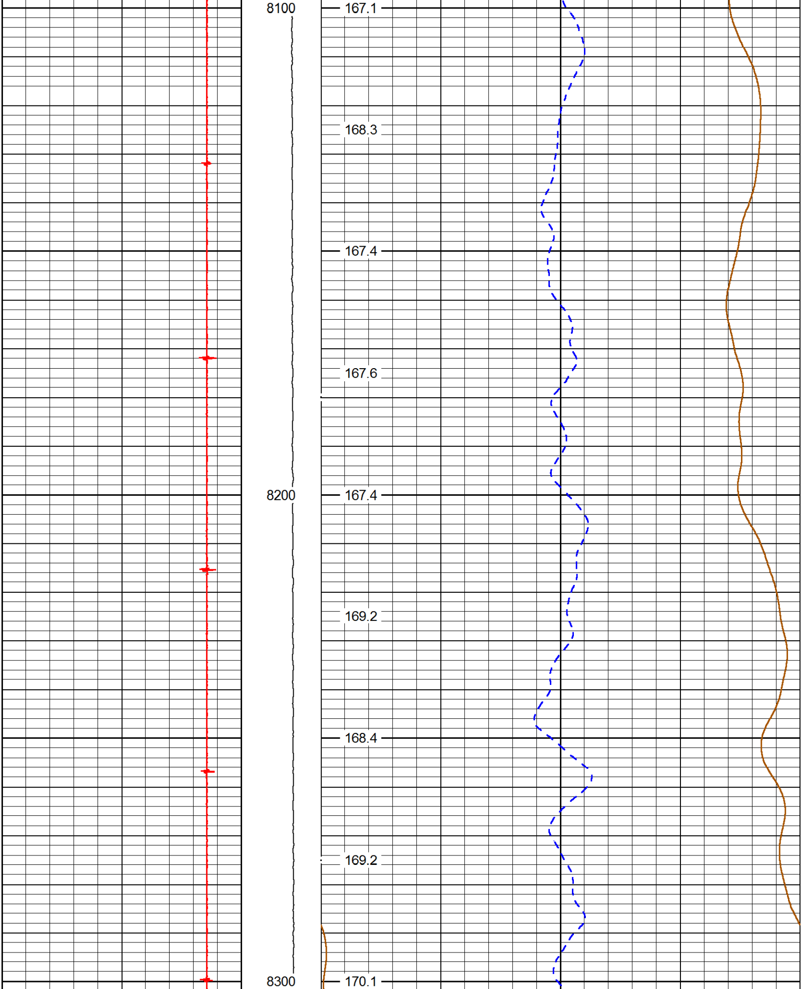
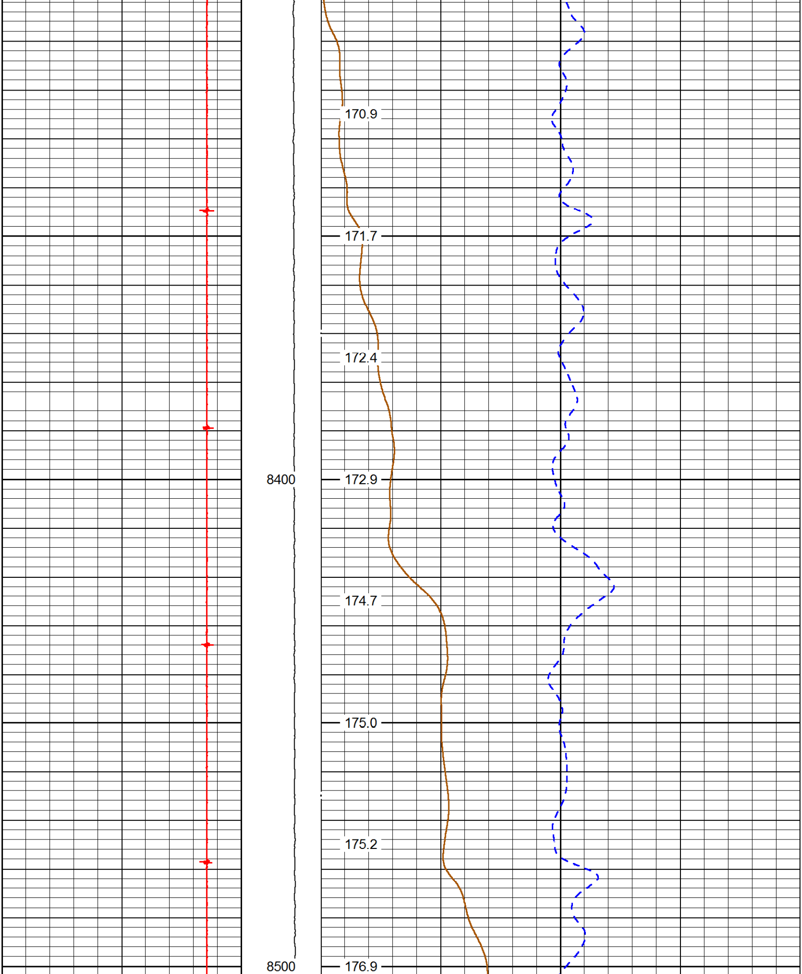
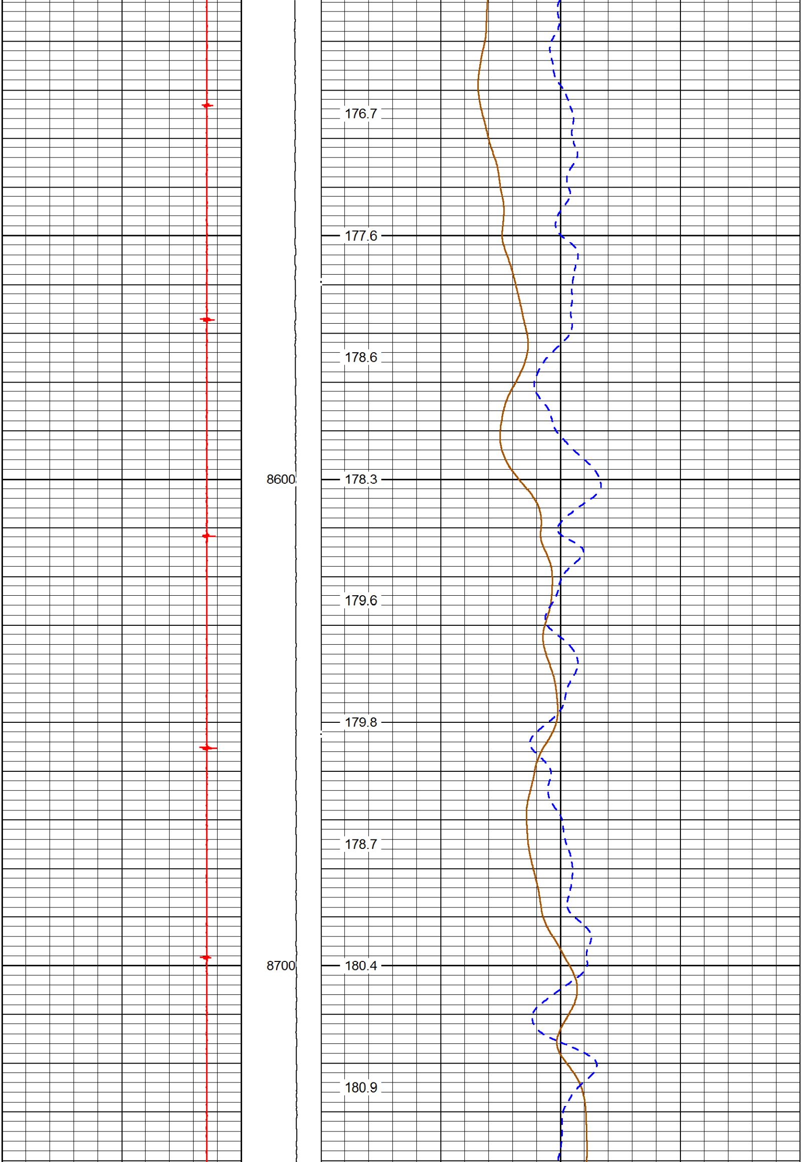
163.2

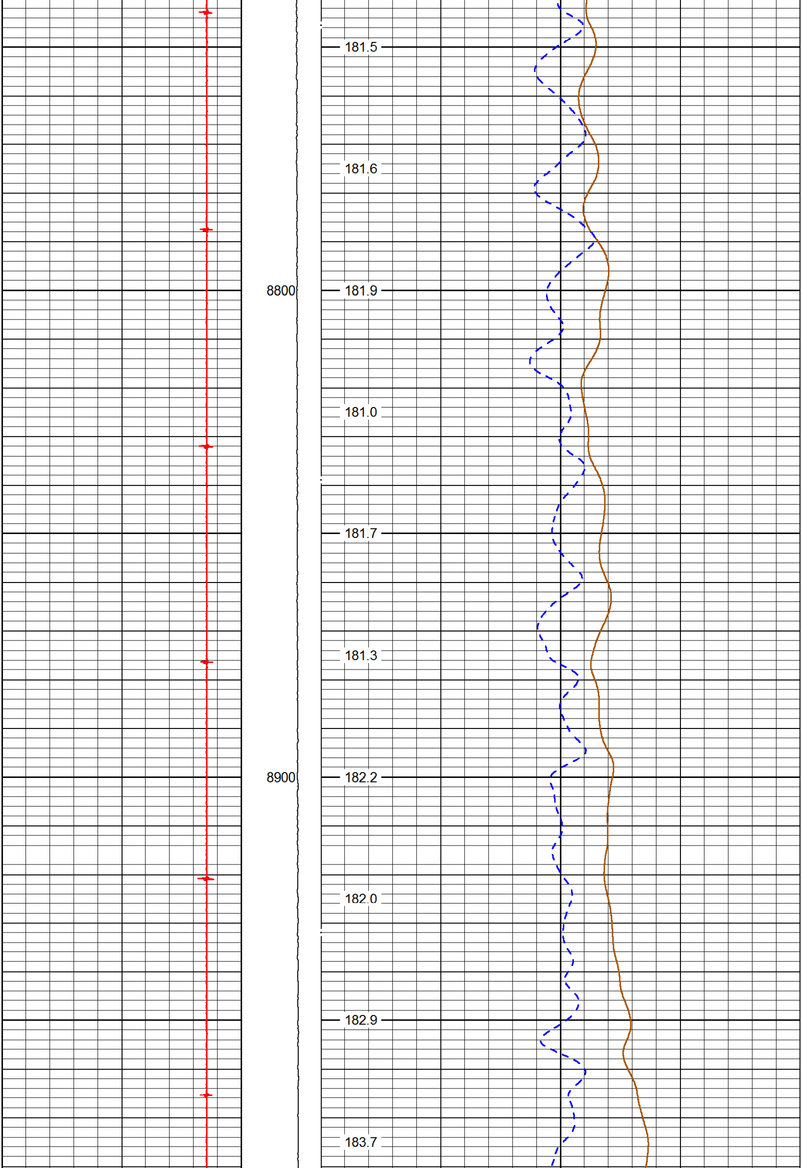


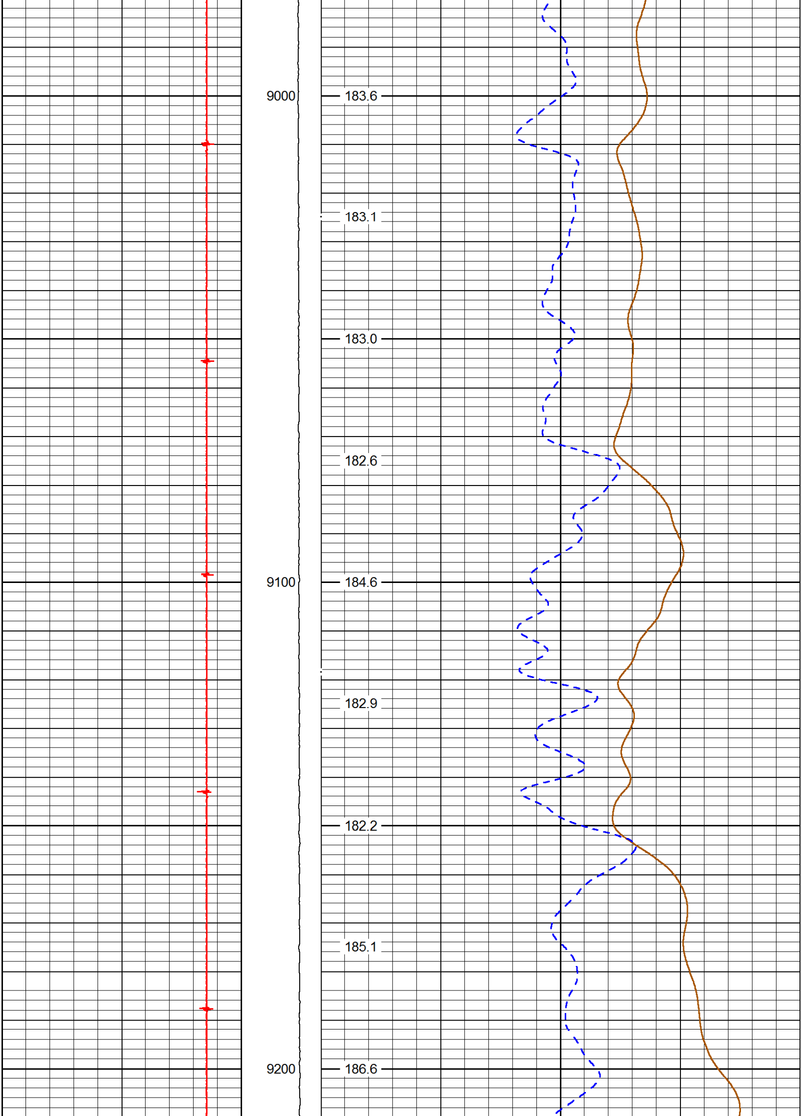


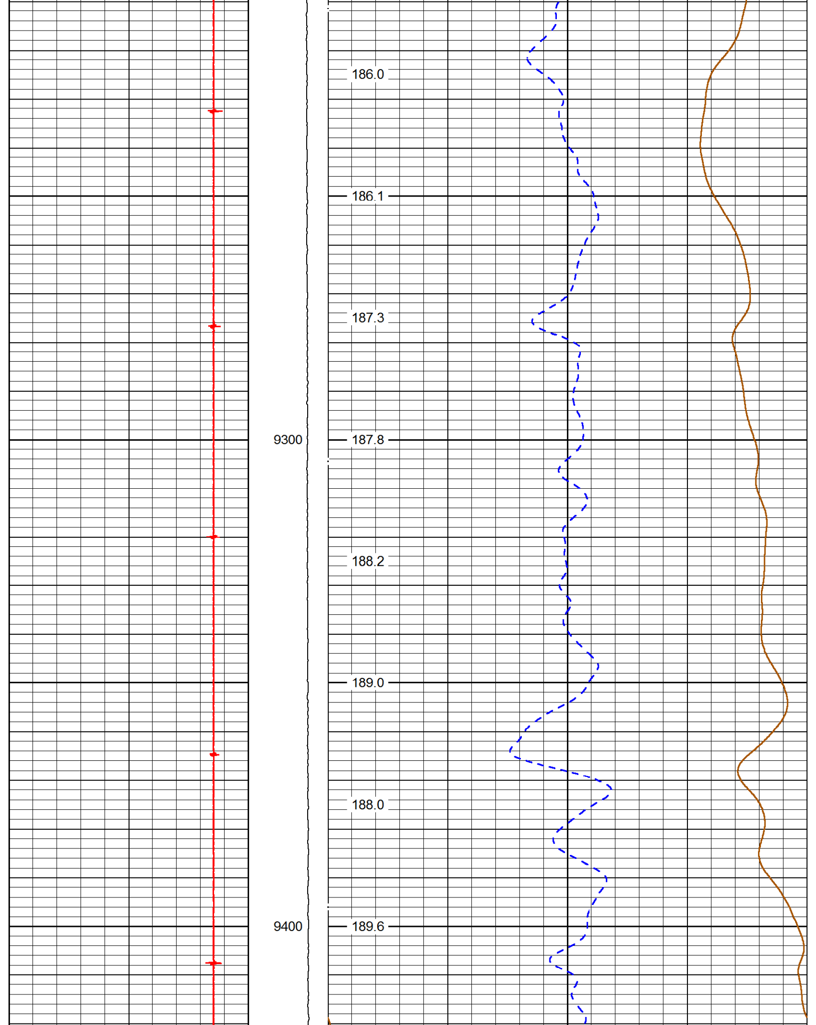


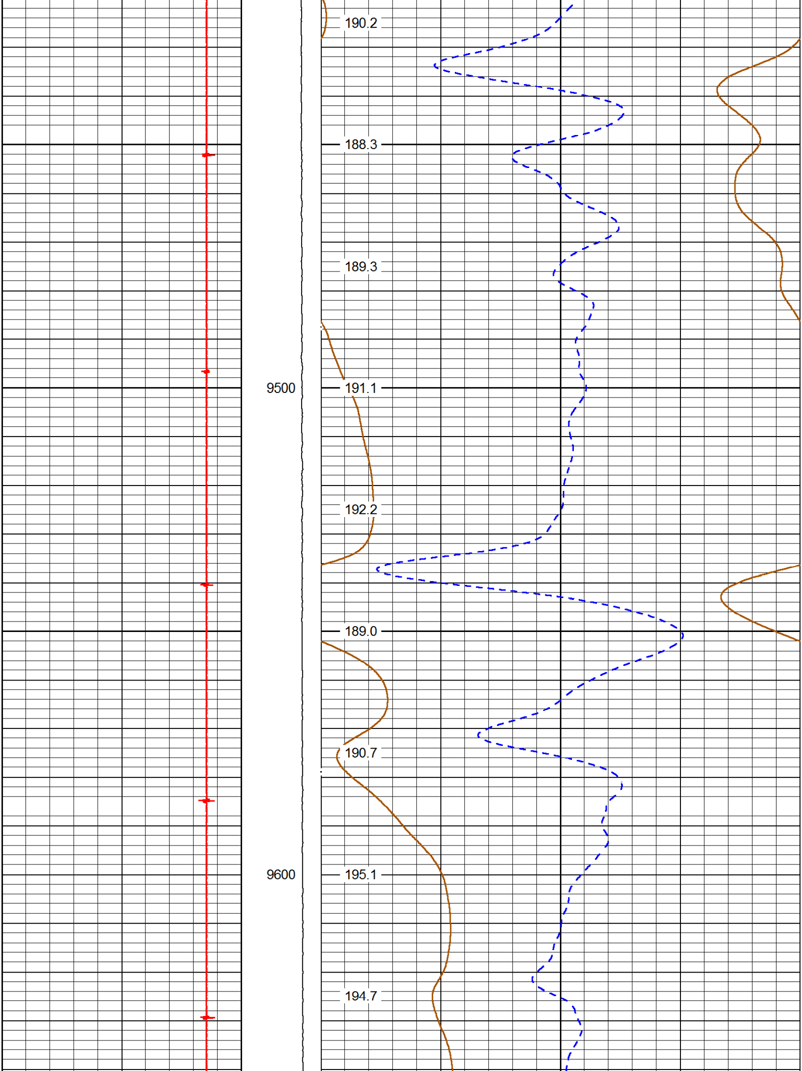


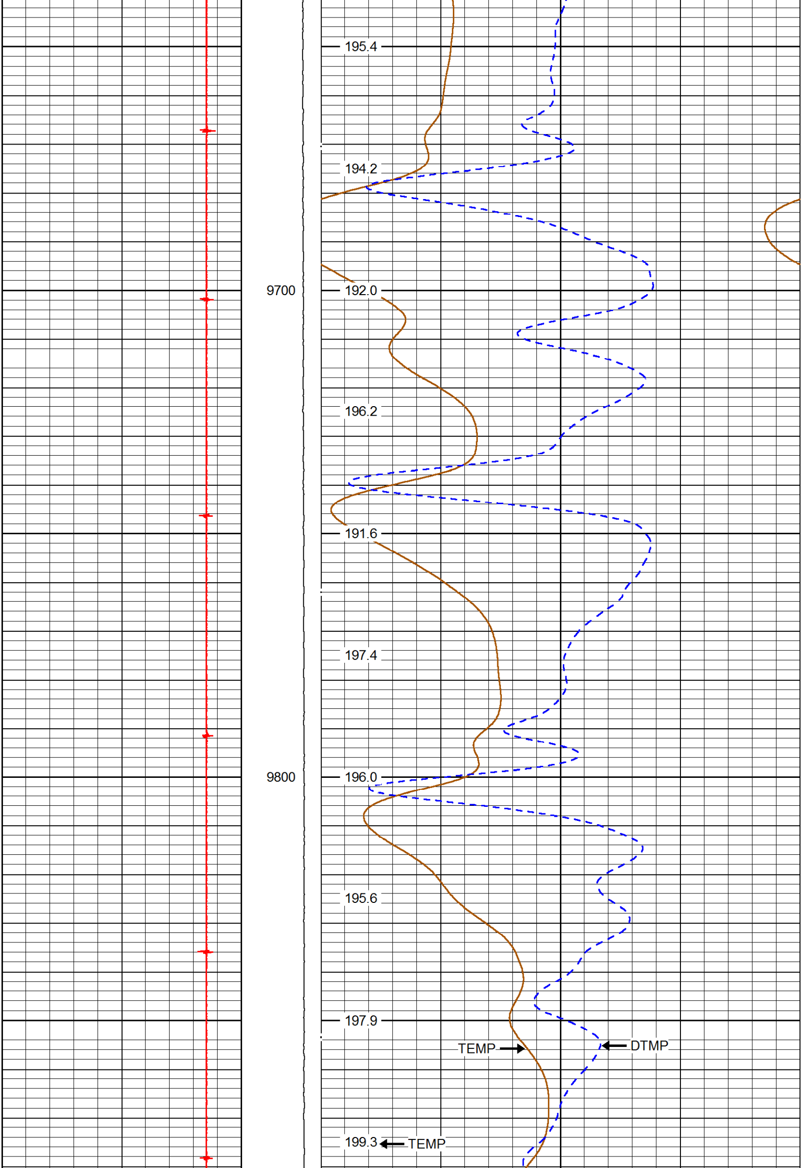


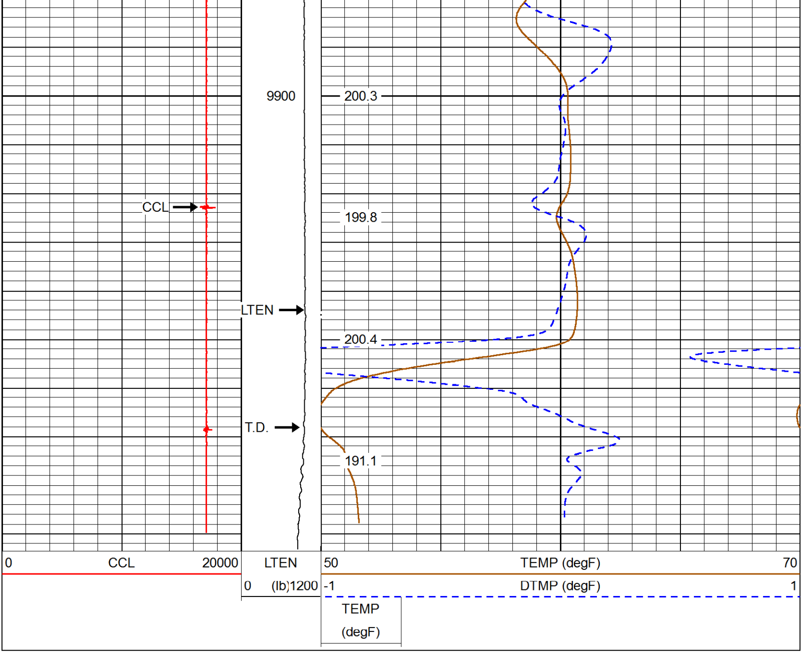








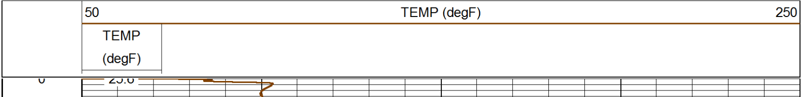


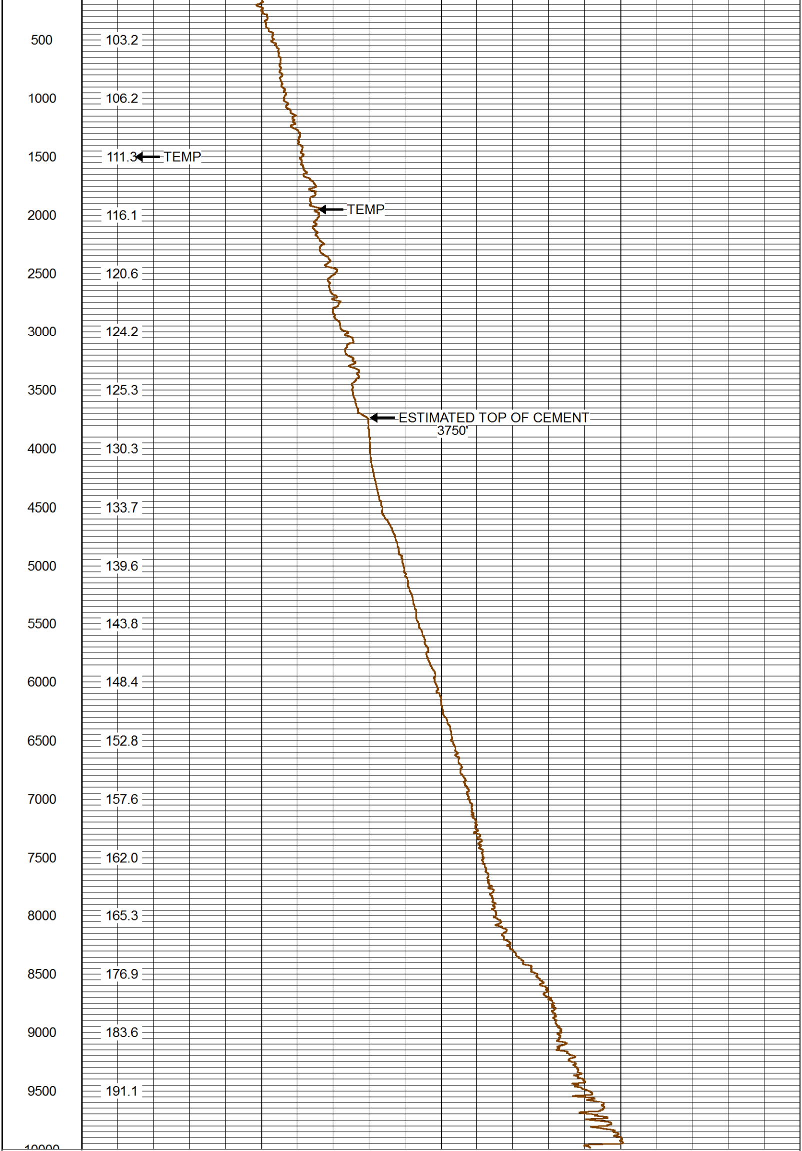


RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

MAIN PASS (QUICK LOOK)

Database File:	011816_tep_ru_24-7.db
Dataset Pathname:	mainpass/pass1.1
Presentation Format:	rmtmp_ql
Dataset Creation:	Wed Jan 18 06:55:57 2017 by Calc SCH 120430
Charted by:	Depth in Feet scaled 1:10000



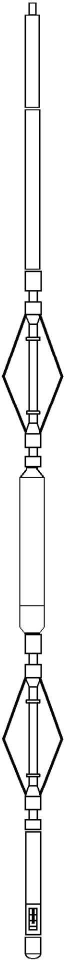


TEMP

TEMP

ESTIMATED TOP OF CEMENT
3750'

50	TEMP (degF)	250
TEMP (degF)		

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-001 (C-1061) Production Roller Centraliser (3 Arm)	1.92	1.69	7.00
CCL	3.69		CCL-028 (10009463) CCL UW 3 1/8" SONDEX	1.61	3.13	36.00
			PRC-001 (C-1066) 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 (10008207) Platinum Resistance Thermometer	1.04	1.69	6.00
			BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset:	011816_tep_ru_24-7.db: field/well/mainpass/pass1
Total Length:	9.34 ft
Total Weight:	65.70 lb
O.D.	3.13 in

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

Company	TEP ROCKY MOUNTAIN LLC
Well	RU 24-7
Field	RULISON
County	GARFIELD
State	COLORADO