ROCKY MOUNTAIN WIRELINE SERVICE

TEMPERATURE
CCL LOG

Company	WPX ENERGY LLC		
Well	FEDERAL RU 513-6 (TIGHT HOLE)		
Field	RULISON		
County	GARFIELD	State	COLORADO
Location:	API # : 05 - 045 - 22611 LAT: 39.467122 N LONG: -107.824784 W QtrQtr: NWSW	Other Services	N/A
	SEC 6 TWP 7S RGE 93W		
Permanent Datum	G.L.	Elevation 7736'	Elevation K.B. 7760' D.F. G.L. 7736'
Log Measured From	K.B.	Ft Above PD 24'	
Drilling Measured From	K.B.		

Date	04-12-2016		
Run Number	ONE		
Depth Driller	9197'		
Present Depth Driller	9155'		
Depth Logger	9145'		
Bottom Logged Interval	9145'		
Top Log Interval	SURFACE		
Fluid Level	FULL'		
Type Fluid	WATER		
Max. Recorded Temp.	178.5° F		
Estimated Cement Top	5340'		
Equipment Number	219		
Location	GRAND JCT.		
Recorded By	MCBROOM	JACK	
Witnessed By	MR. OAKS		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE							
TWO				4.50"	11.6#	SURFACE	9187'

<<< Fold Here >>>

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 TO CORRELATE WITH.

SHORT JOINT AT 5170' to 5194'.

CASING PSI = STATIC
MAIN PASS 5" = 100'

Calibration Report

Database File: 04122016_wpx_fed ru 513-6.db
Dataset Pathname: mainpass/pass1.1
Dataset Creation: Tue Apr 12 16:11:37 2016

Temperature Calibration Report

Serial Number: 16-54
Tool Model: APPLIED
Performed: Mon Jan 30 15:26:39 2012

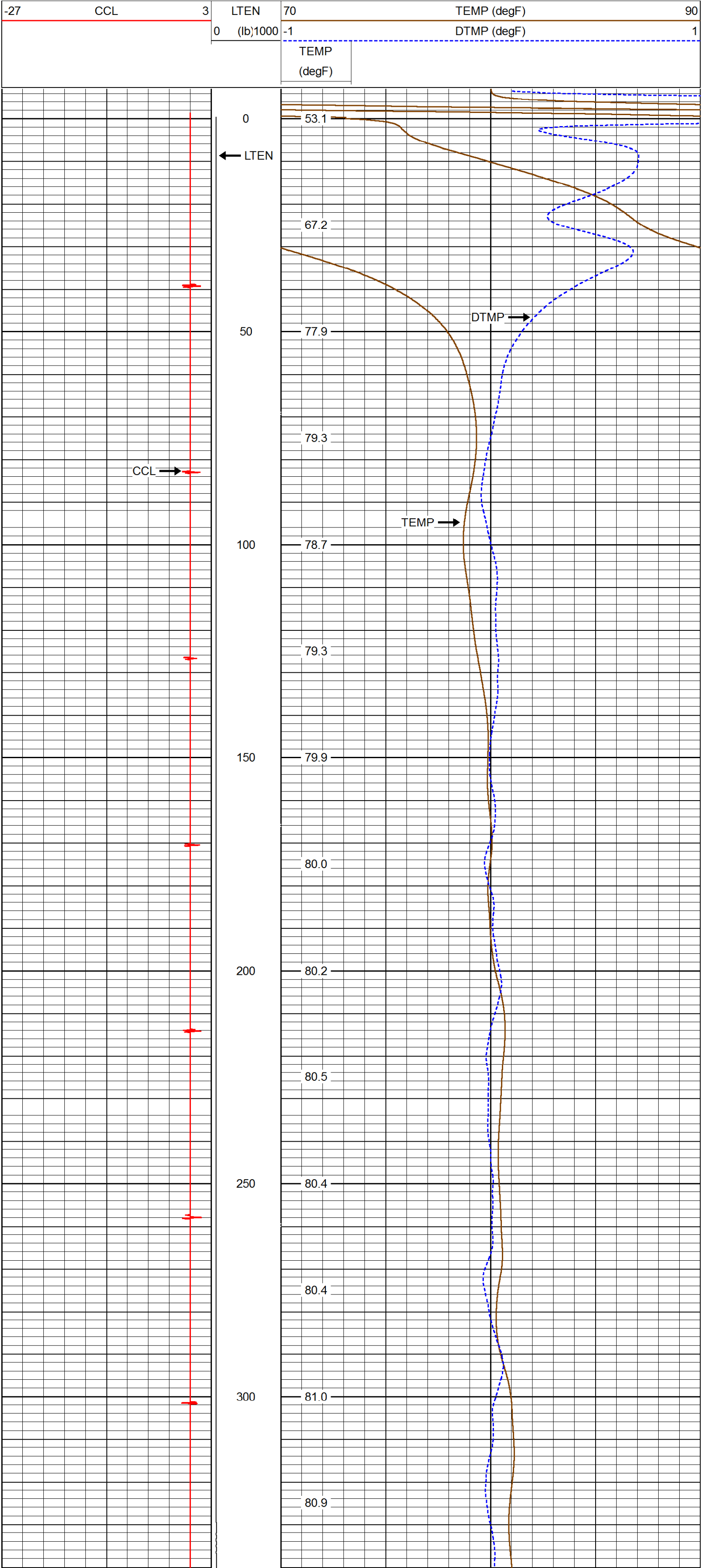
	Reference		Reading	
Low Reference:	0.00	degF	0.00	cps
High Reference:	1.00	degF	1.00	cps

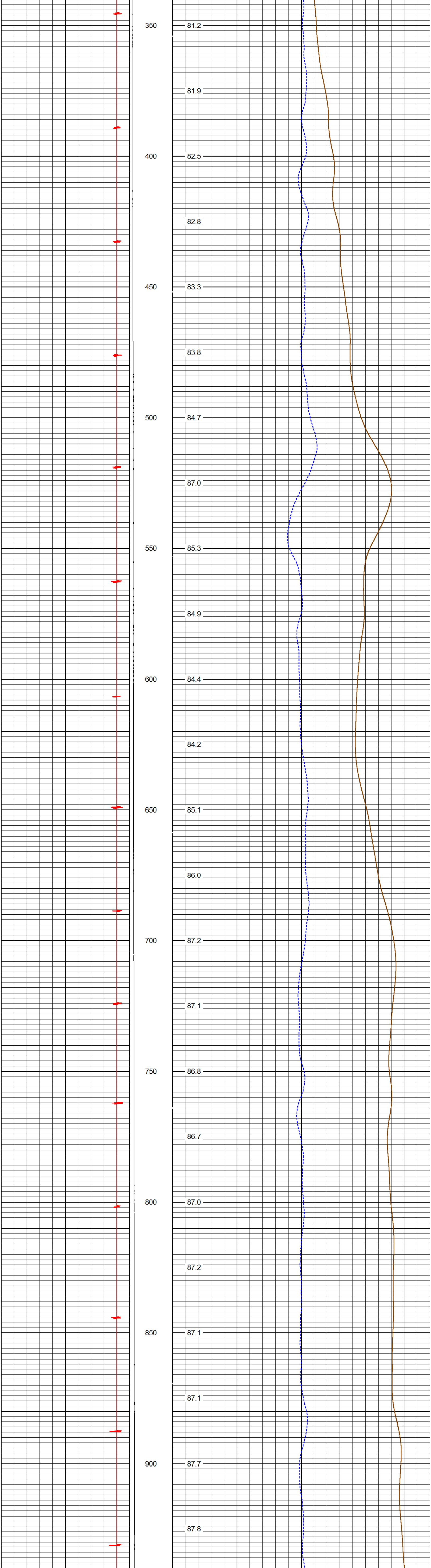
Gain: 0.10
Offset: 0.00
Delta Spacing 2

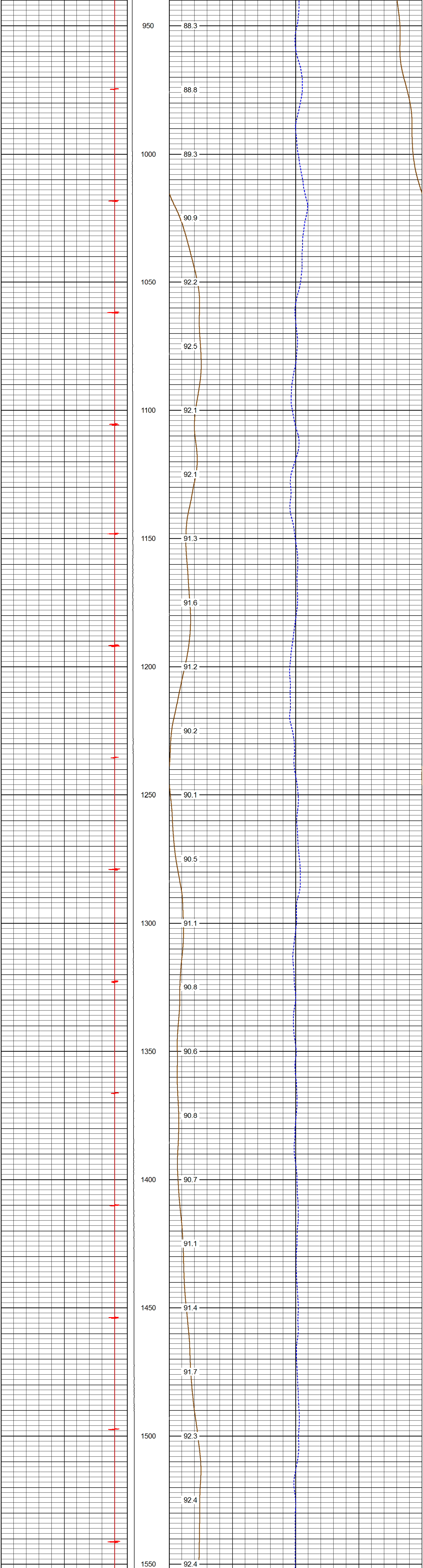
ROCKY MOUNTAIN WIRELINE SERVICE

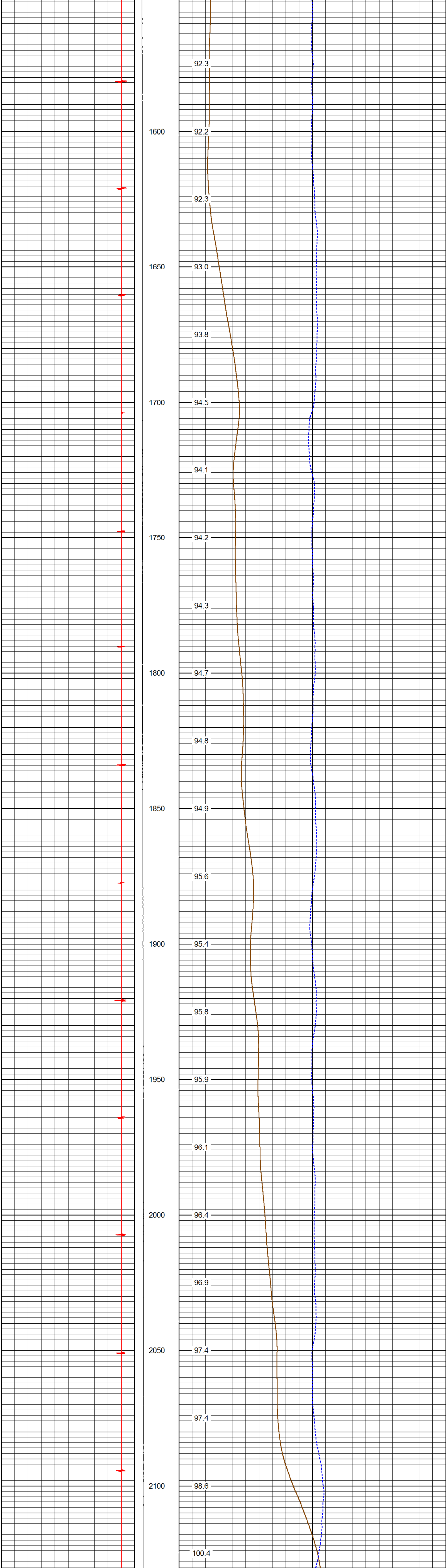
MAIN PASS

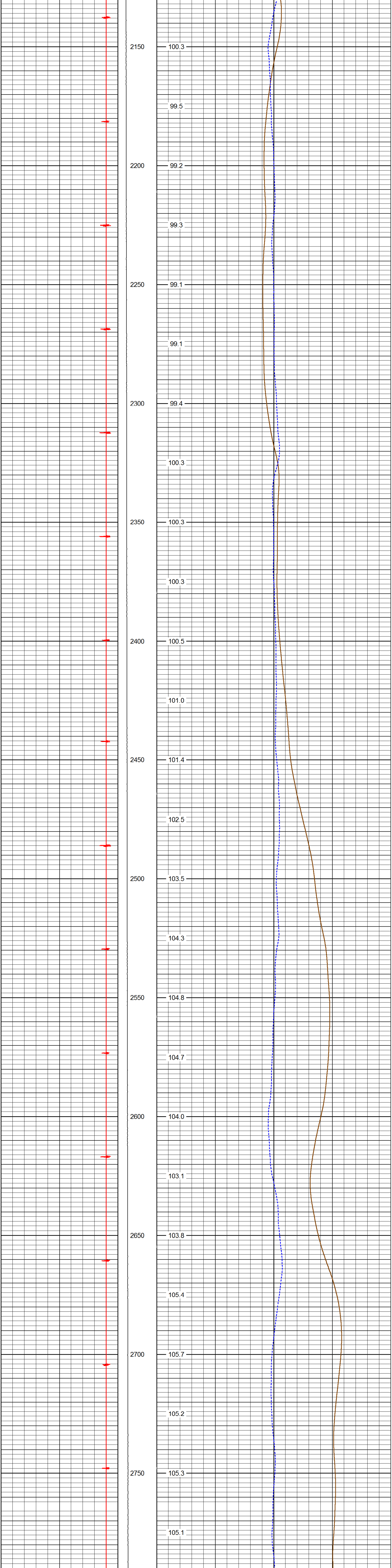
Database File: 04122016_wpx_fed ru 513-6.db
Dataset Pathname: mainpass/pass1.1
Presentation Format: RMWS_T~1
Dataset Creation: Tue Apr 12 16:11:37 2016
Charted by: Depth in Feet scaled 1:240

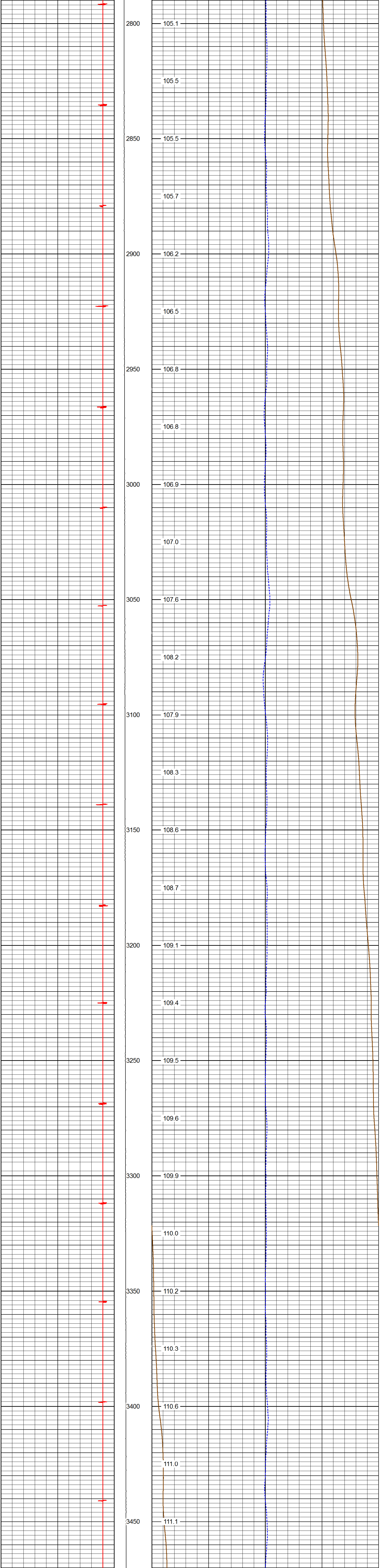


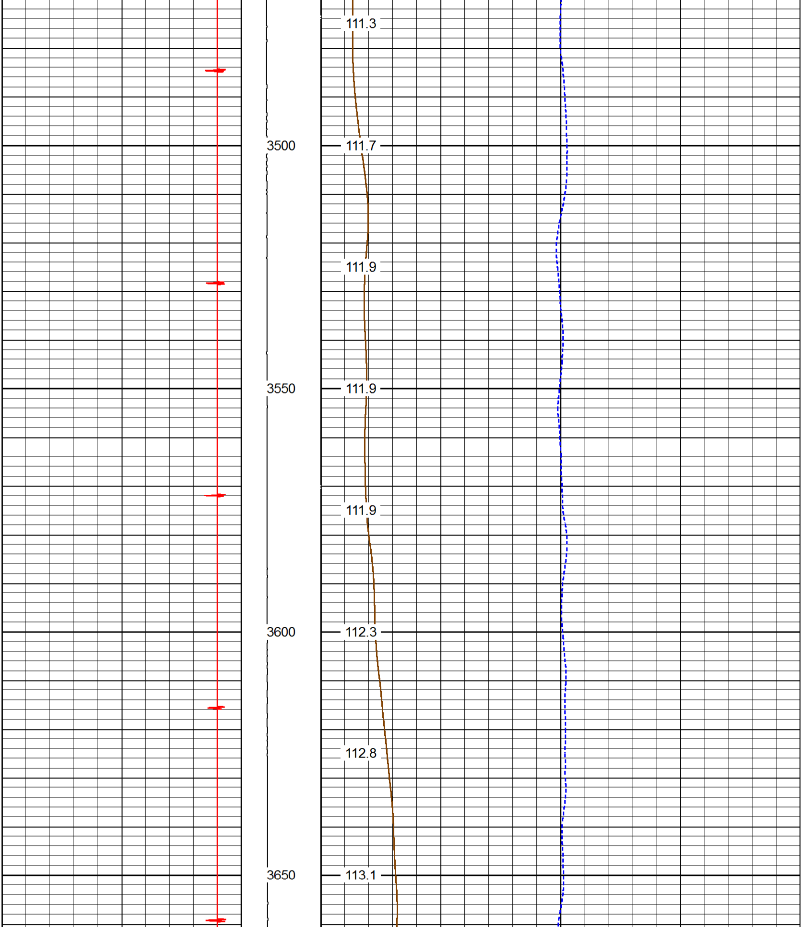


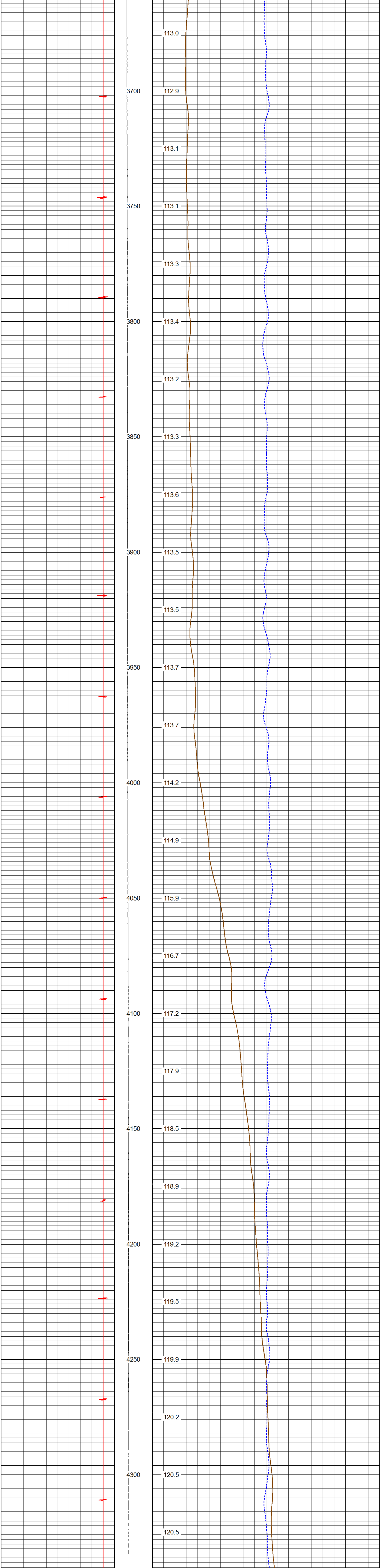


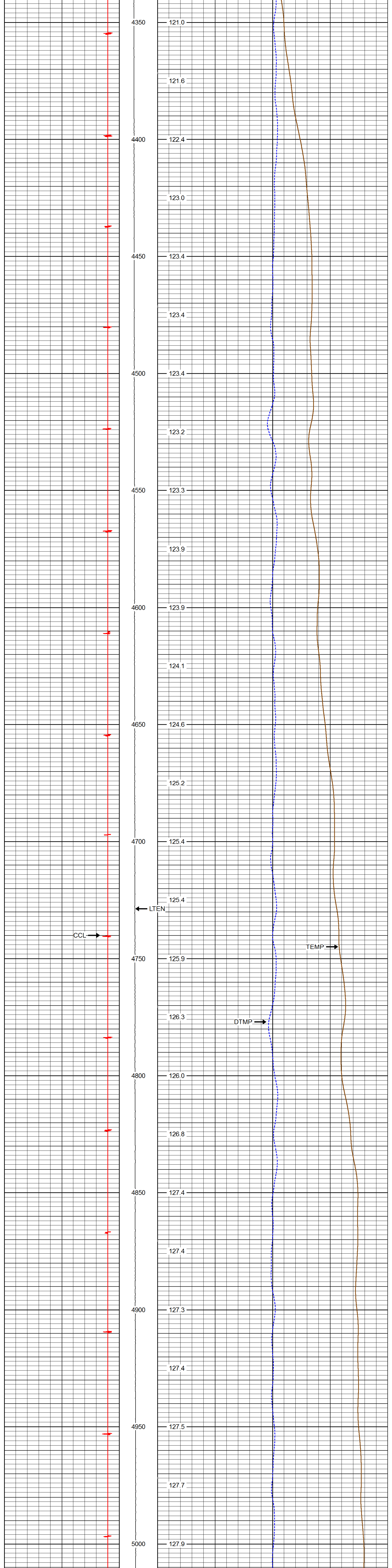


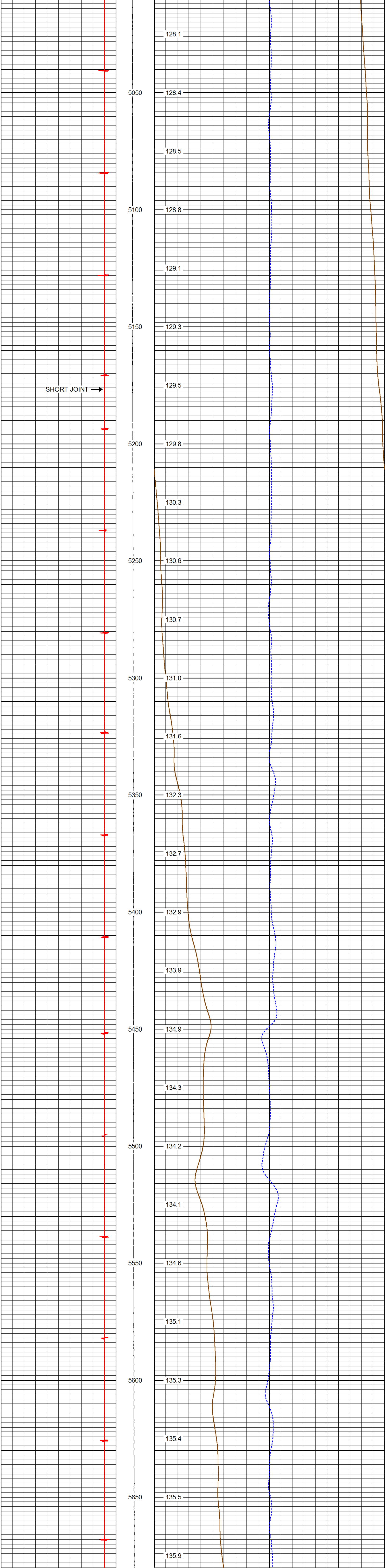


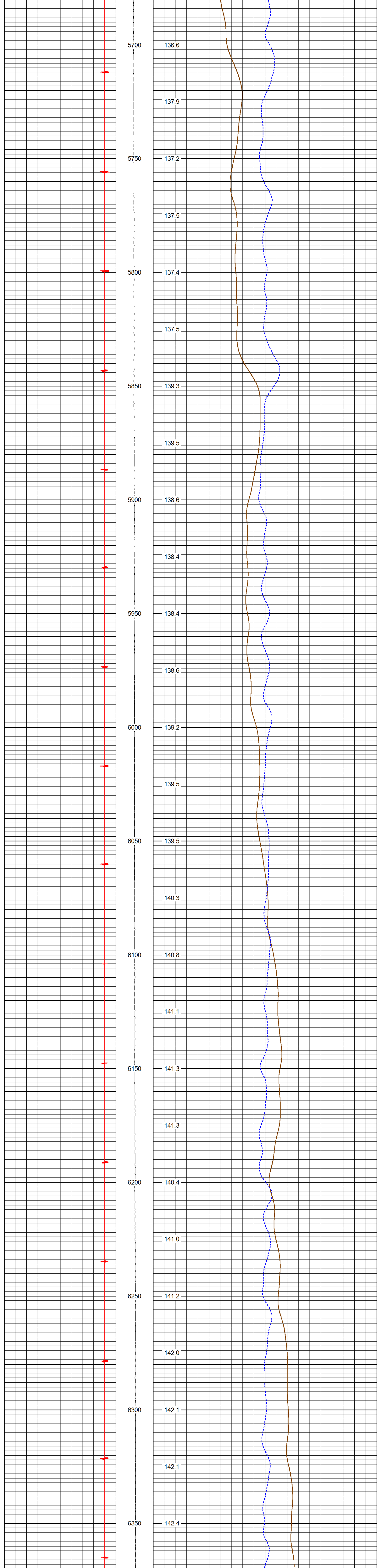


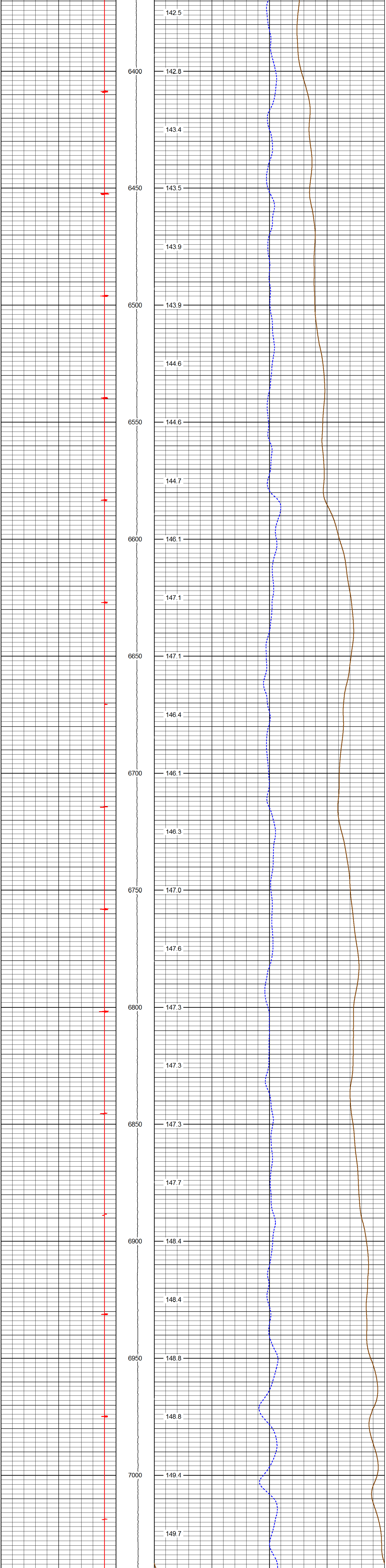


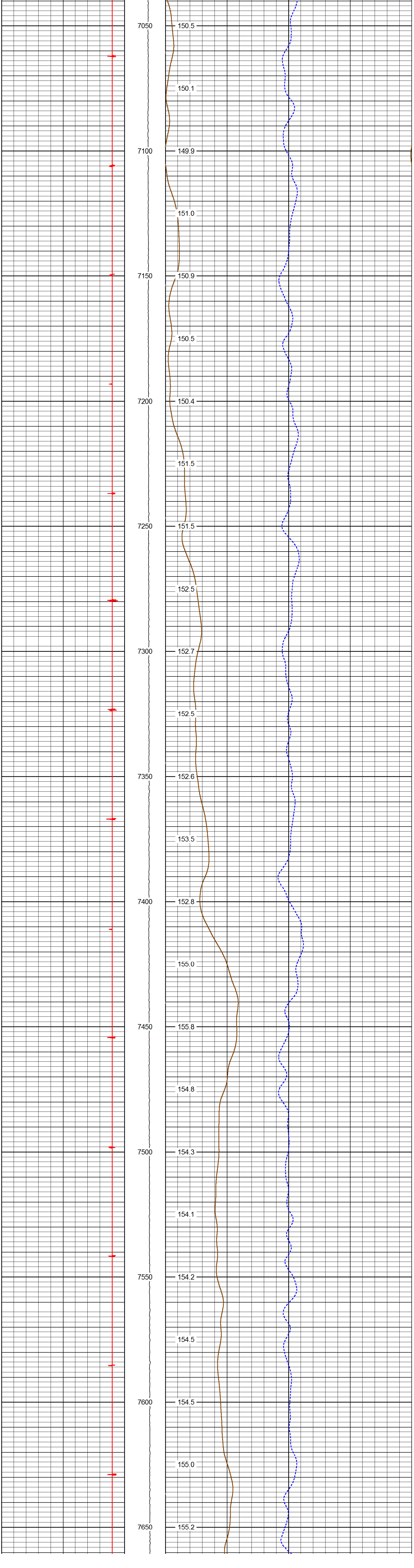

113.0
3700
112.9
113.1
3750
113.1
113.3
3800
113.4
113.2
3850
113.3
113.6
3900
113.5
113.5
3950
113.7
113.7
4000
114.2
114.9
4050
115.9
116.7
4100
117.2
117.9
4150
118.5
118.9
4200
119.2
119.5
4250
119.9
120.2
4300
120.5
120.5

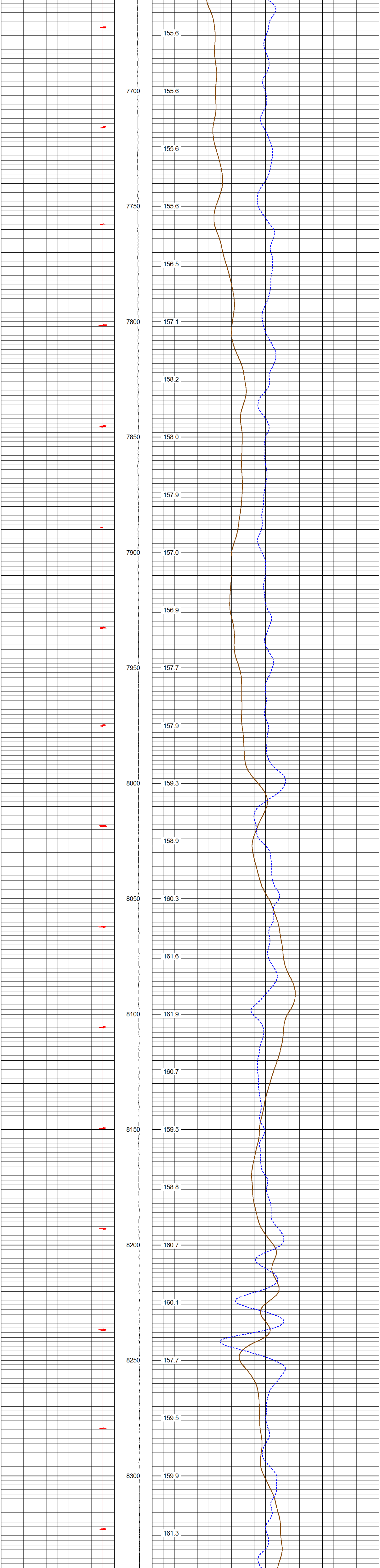

4350
121.0
121.6
4400
122.4
123.0
4450
123.4
123.4
4500
123.4
123.2
4550
123.3
123.9
4600
123.9
124.1
4650
124.6
125.2
4700
125.4
125.4
LTEN
CCL
TEMP
4750
125.9
126.3
DTMP
4800
126.0
126.8
4850
127.4
127.4
4900
127.3
127.4
4950
127.5
127.7
5000
127.9

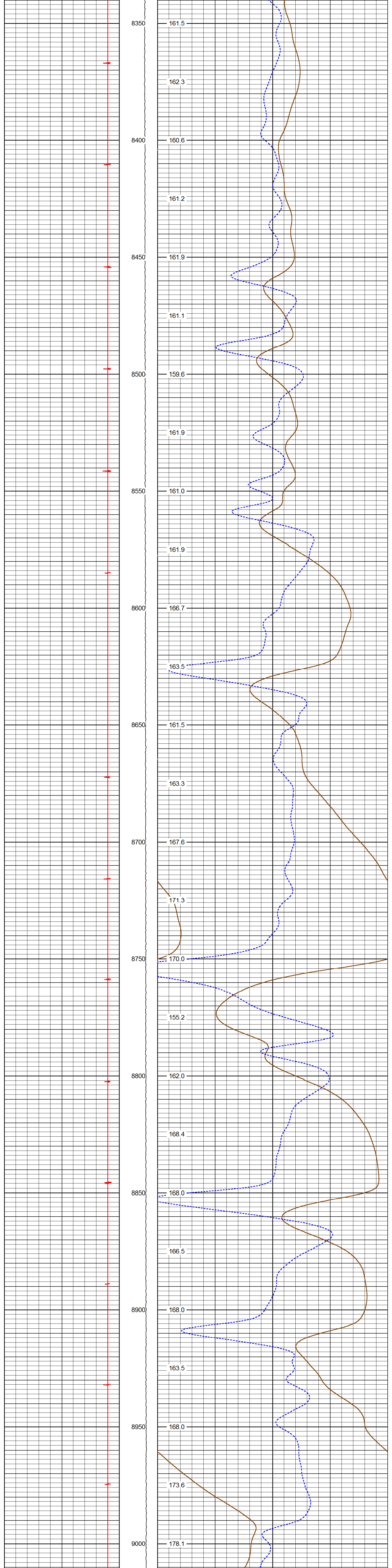

128.1
5050
128.4
128.5
5100
128.8
129.1
5150
129.3
129.5
SHORT JOINT
5200
129.8
130.3
5250
130.6
130.7
5300
131.0
131.6
5350
132.3
132.7
5400
132.9
133.9
5450
134.9
134.3
5500
134.2
134.1
5550
134.6
135.1
5600
135.3
135.4
5650
135.5
135.9

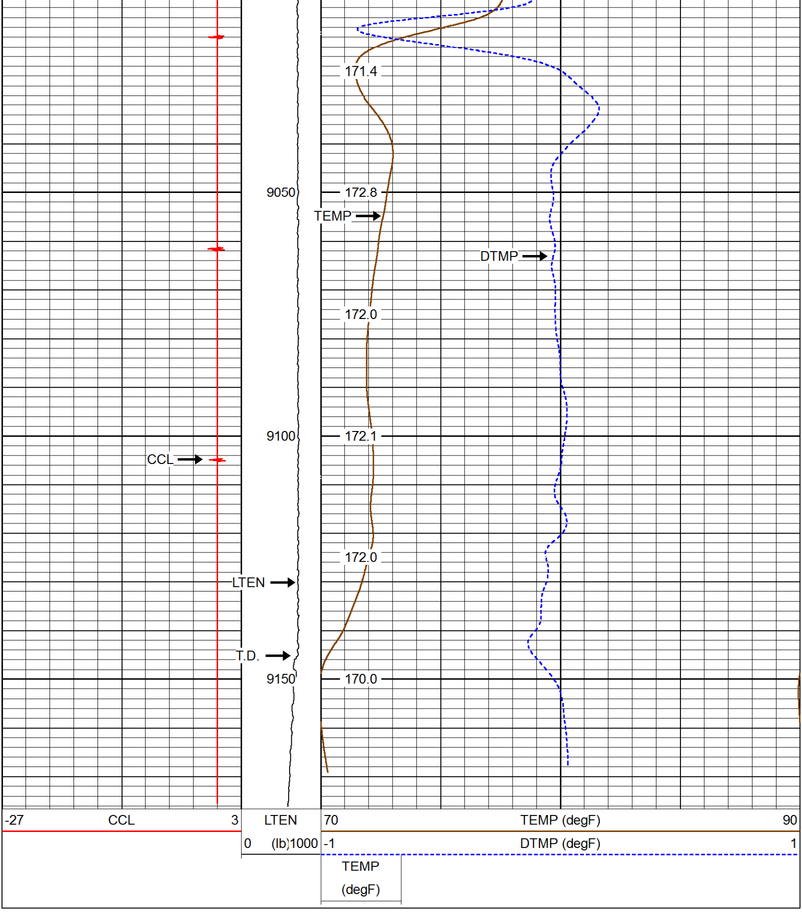

5700
136.6
137.9
5750
137.2
137.5
5800
137.4
137.5
5850
139.3
139.5
5900
138.6
138.4
5950
138.4
138.6
6000
139.2
139.5
6050
139.5
140.3
6100
140.8
141.1
6150
141.3
141.3
6200
140.4
141.0
6250
141.2
142.0
6300
142.1
142.1
6350
142.4


142.5
6400
142.8
143.4
6450
143.5
143.9
6500
143.9
144.6
6550
144.6
144.7
6600
146.1
147.1
6650
147.1
146.4
6700
146.1
146.3
6750
147.0
147.6
6800
147.3
147.3
6850
147.3
147.7
6900
148.4
148.4
6950
148.8
148.8
7000
149.4
149.7


7050
150.5
150.1
7100
149.9
151.0
7150
150.9
150.5
7200
150.4
151.5
7250
151.5
152.5
7300
152.7
152.5
7350
152.6
153.5
7400
152.8
155.0
7450
155.8
154.8
7500
154.3
154.1
7550
154.2
154.5
7600
154.5
155.0
7650
155.2



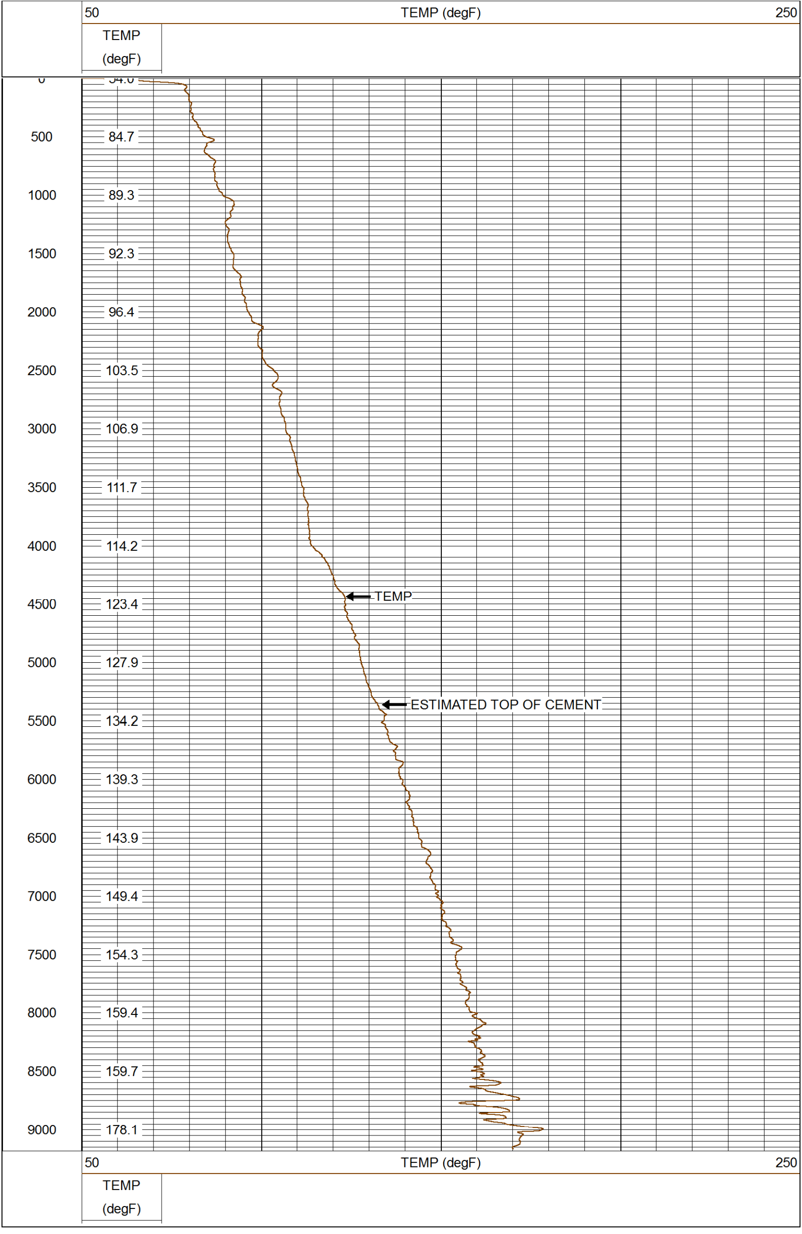


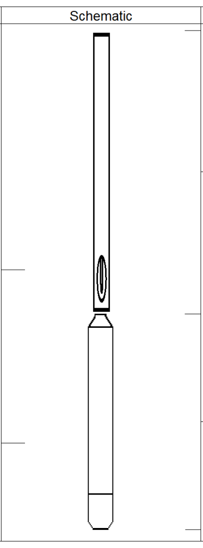


MAIN PASS (QUICK LOOK)

ROCKY MOUNTAIN WIRELINE SERVICE

Database File:	04122016_wpx_fed ru 513-6.db
Dataset Pathname:	mainpass/pass1.2
Presentation Format:	rmtemp_q
Dataset Creation:	Tue Apr 12 16:14:20 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 (16-54)	2.67	1.38	11.00
CCL	0.81		CCL-APPLIED (Applied_2.75)	2.02	2.75	34.00

Dataset:	04122016_wpx_fed ru 513-6.db: field/well/mainpass/pass1.2
Total Length:	4.69 ft
Total Weight:	45.00 lb
O.D.	2.75 in

ROCKY MOUNTAIN WIRELINE SERVICE

Company	WPX ENERGY LLC
Well	FEDERAL RU 513-6 (TIGHT HOLE)
Field	RULISON
County	GARFIELD
State	COLORADO