ROCKY MOUNTAIN WIRELINE SERVICE

TEMPERATURE CCL LOG

Company	WPX ENERGY LLC		
Well	FEDERAL RU 323-6 (TIGHT HOLE)		
Field	RULISON		
County	GARFIELD	State	COLORADO
Location:	API # : 05 - 045 - 22596 LAT: 39.467148 N LONG: -107.824755 W QtrQtr: NWSW	Other Services	N/A
	SEC 6 TWP 7S RGE 93W		
Permanent Datum	G.L. Elevation 7736'	Elevation	K.B. 7760'
Log Measured From	K.B. Ft Above PD 24'		D.F.
Drilling Measured From	K.B.		G.L. 7736'

Date	04-07-2016	
Run Number	ONE	
Depth Driller	9574'	
Present Depth Driller	9530'	
Depth Logger	9516'	
Bottom Logged Interval	9516'	
Top Log Interval	SURFACE	
Fluid Level	FULL'	
Type Fluid	WATER	
Max. Recorded Temp.	176.6 ° F	
Estimated Cement Top	5017'	
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							

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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 TO CORRELATE WITH.

SHORT JOINT AT 5948' TO 5963'.

CASING PSI = STATIC
MAIN PASS 5" = 100'

Calibration Report

Database File: 04072016_wpx_fed ru 323-6.db
Dataset Pathname: mainpass/pass1.2
Dataset Creation: Thu Apr 07 17:55:04 2016 by Calc SCH 120430

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: 04072016_wpx_fed ru 323-6.db
Dataset Pathname: mainpass/pass1.1
Presentation Format: RMWS_T~1
Dataset Creation: Thu Apr 07 17:52:57 2016
Charted by: Depth in Feet scaled 1:240

119.3
3700
119.3
119.3
3750
119.3
119.3
3800
119.4
119.5
3850
120.0
120.2
3900
120.3
120.5
3950
120.6
121.2
4000
121.5
121.1
4050
121.0
121.4
4100
121.7
122.3
4150
122.4
122.7
4200
123.0
123.4
4250
123.9
124.2
4300
124.6
124.9
4350
125.2
125.5
4400
125.8
125.9
4450
126.0
126.1
4500
126.3
126.8
4550
127.1
127.2
4600
127.4
127.5
4650
127.9
128.0
4700
128.2
128.8
4750
129.1
TEMP
CCL
LTEN
DTEMP
129.5
4800
129.6
129.5
4850
129.6
129.8
4900
130.0
130.2
4950
130.3
130.9
5000
131.3
131.9
5050
131.4
131.2
5100
131.4
131.8
5150
132.2
132.2
5200
132.4
132.5
5250
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133.2
5300
133.2
133.1
5350
133.6
133.9
5400
134.2
134.4
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134.6
135.0
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135.1
135.6
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135.8
135.9
5600
136.2
136.1
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137.0
137.1
5700
137.2
137.2
5750
138.3
138.9
5800
139.0
139.5
5850
139.1
139.5
5900
139.7
139.8
SHORT JOINT
5950
140.0
140.4
6000
140.5
141.0
6050
140.7
141.4
6100
142.2
142.4
6150
142.6
141.9
6200
142.3
142.9
6250
143.1
143.1
6300
143.0
142.5
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144.2
6400
143.8
143.6
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144.0
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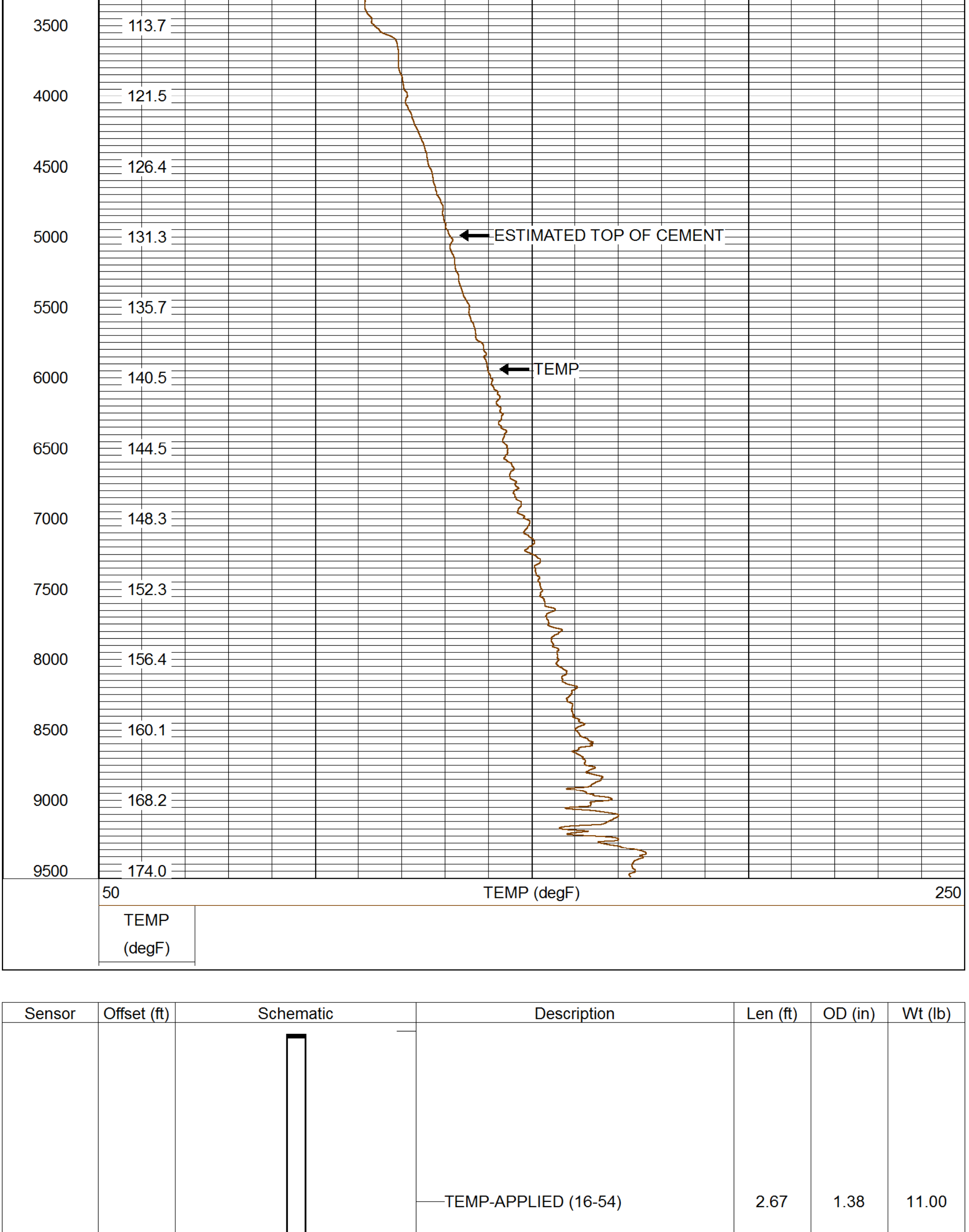
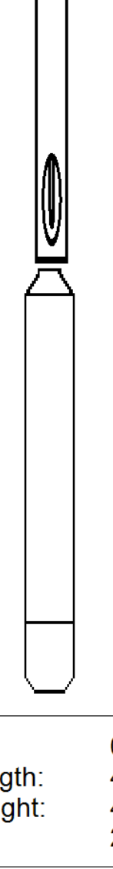
144.8
145.6
6650
146.0
145.2
6700
145.0
145.7
6750
146.2
146.7
6800
146.2
146.1
6850
146.4
147.2
6900
147.7
147.3
6950
146.9
147.8
7000
148.3
149.7
7050
149.3
148.8
7100
148.3
149.4
7150
150.3
150.7
7200
149.4
149.5
7250
150.1
151.4
7300
152.1
151.4
7350
150.8
151.0
7400
151.2
151.9
7450
151.7
152.0
7500
152.1
152.1
7550
151.9
153.0
7600
153.1
153.6
7650
155.4

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

MAIN PASS (QUICK LOOK)

Database File:	04072016_wpx_fed ru 323-6.db
Dataset Pathname:	mainpass/pass1.2
Presentation Format:	rmtemp_q
Dataset Creation:	Thu Apr 07 17:55:04 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 (16-54)	2.67	1.38	11.00
TEMP	2.44					
			CCL-APPLIED (Applied_2.75)	2.02	2.75	34.00
CCL	0.81					

Dataset: 04072016_wpx_fed ru 323-6.db: field/well/mainpass/pass1.2
Total Length: 4.69 ft
Total Weight: 45.00 lb
O.D. 2.75 in

RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

Company	WPX ENERGY LLC
Well	FEDERAL RU 323-6 (TIGHT HOLE)
Field	RULISON
County	GARFIELD
State	COLORADO