RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

TEMPERATURE
LOG
CCL

Company	URSA OPERATING COMPANY		
Well	VALLEY FARMS L 41A - 14 - 06 - 92		
Field	GRAVEL TREND		
County	GARFIELD	State	COLORADO
Location:	API # : 05 - 045 - 22443 - 00		Other Services
	SEC 11 TWP 6S RGE 92W		
Permanent Datum	G.L.	Elevation 5577'	Elevation K.B. 5590.5' D.F. 5589.5' G.L. 5577'
Log Measured From	K.B.	Ft Above PD 15'	
Drilling Measured From	K.B.		
Date	12 - 09 - 2014		
Run Number	ONE		
Depth Driller	7544'		
Present Depth Driller	NA		
Depth Logger	7477'		
Bottom Logged Interval	7477'		
Top Log Interval	SURFACE		
Fluid Level	SURFACE		
Type Fluid	WATER		
Max. Recorded Temp.	194.9 Deg. F		
Estimated Cement Top	989'		
Equipment Number	219		
Location	GRAND JCT.		
Recorded By	FERNANDEZ	INGRAM	
Witnessed By	MR. RICHARD		

Borehole Record			Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				8.625"	32#	SURFACE	
				4.5"	13.5#	SURFACE	7544'

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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: WAS NO LOG TO CORRELATE WITH

SHORT JOINTS: 4394' TO 4404' & 5677' TO 5687' & 6959' TO 6969'

MAX TEMP: 194.9 Deg. F
ESTIMATED TOP OF CEMENT = 989'

MAIN PASS 5" = 100'
CSG PSI = STATIC

Calibration Report

Database File: 120914_ursa_valleyfarmsl_41a_14_06_92.db
Dataset Pathname: main/pass1
Dataset Creation: Tue Dec 09 04:30:21 2014 by Log 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

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MAIN PASS

Database File: 120914_ursa_valleyfarmsl_41a_14_06_92.db
Dataset Pathname: main/pass1
Presentation Format: rmws_temp
Dataset Creation: Tue Dec 09 04:30:21 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

-27	CCL	3	LTEN	75	TEMP (degF)	90
			0 (lb) 2000	-1	DTMP (degF)	1
				TEMP2 (degF)		

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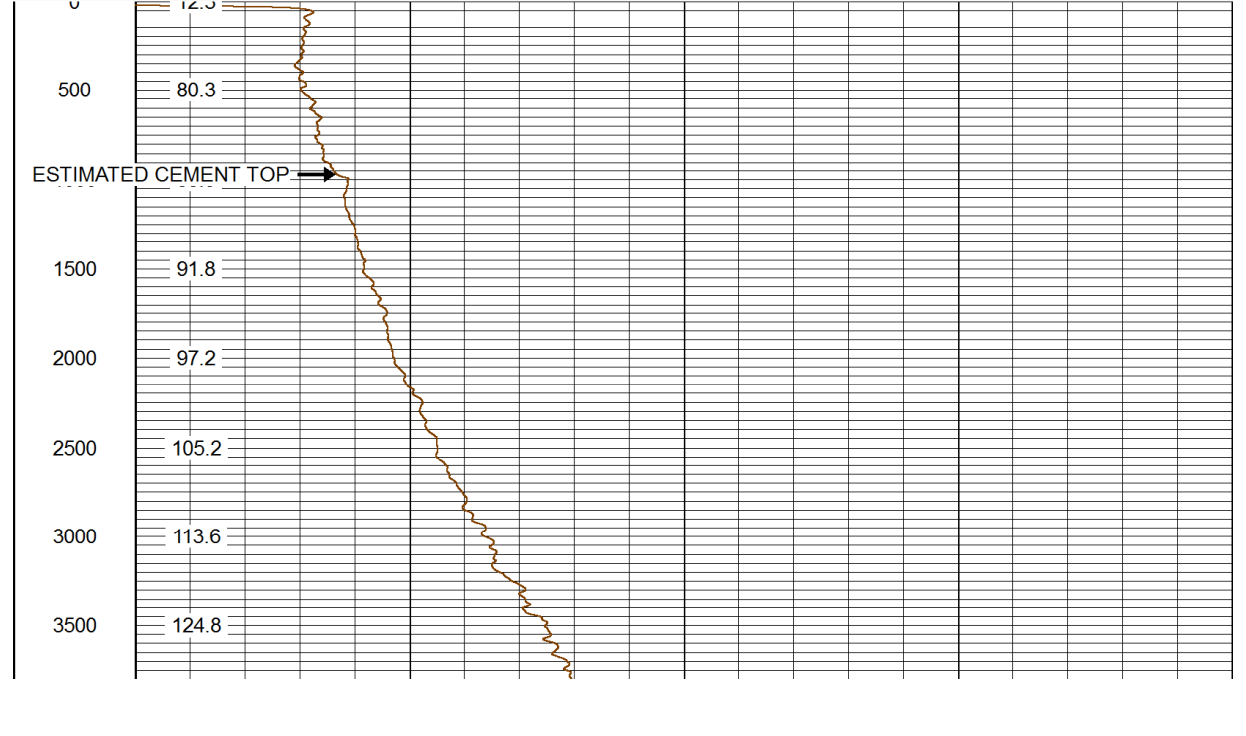
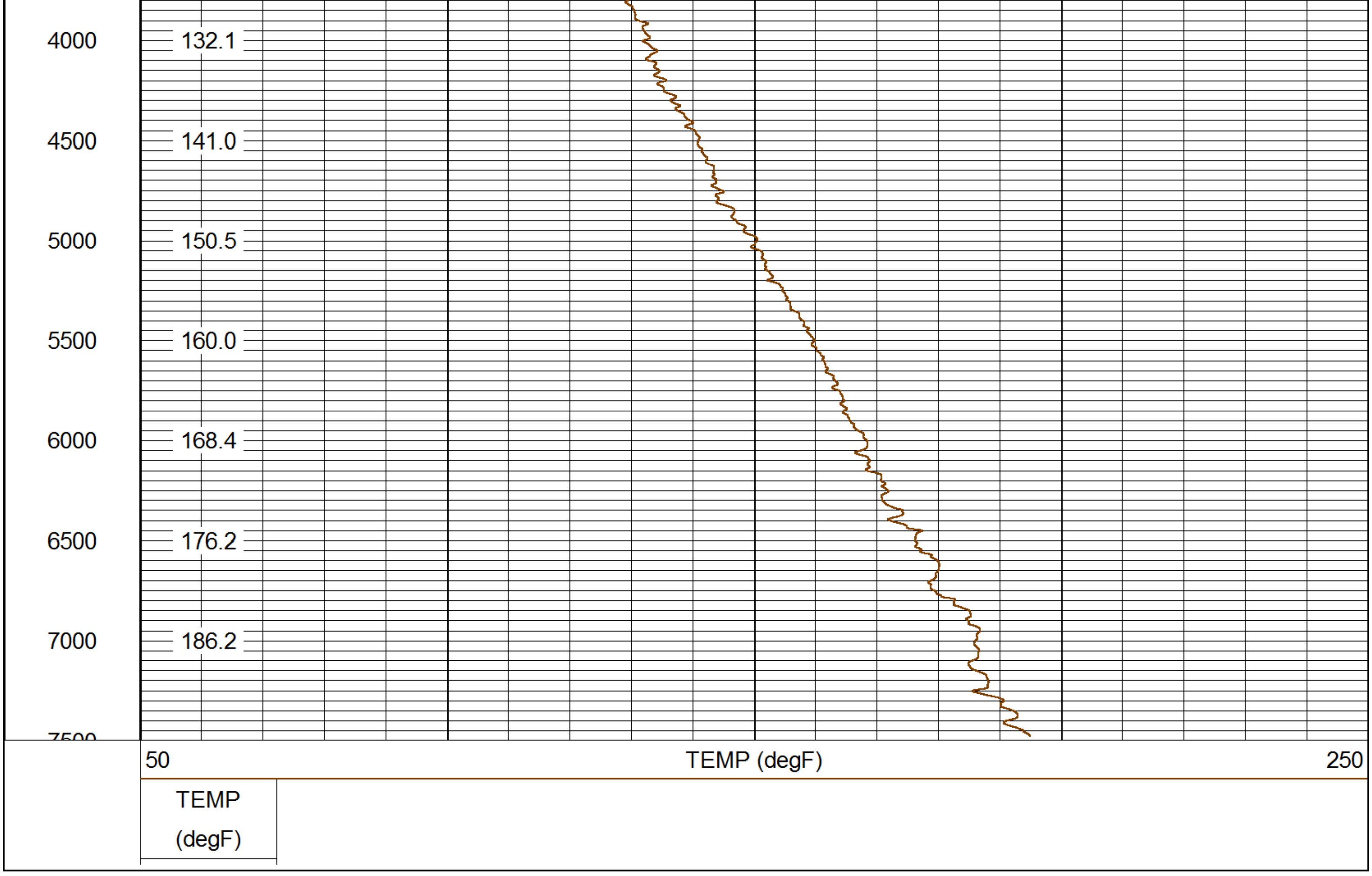
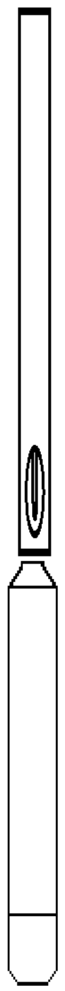
MAIN PASS QUICK LOOK

Database File:	120914_ursa_valleyfarmsl_41a_14_06_92.db
Dataset Pathname:	main/pass1.1
Presentation Format:	rmtemp_q
Dataset Creation:	Tue Dec 09 05:54:29 2014 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	0.81		CCL-APPLIED (Applied_2.75) positive or negative voltage logging ccl	2.02	2.75	34.00

Dataset: 120914_ursa_valleyfarmsl_41a_14_06_92.db: field/well/main/pass1
Total Length: 4.69 ft
Total Weight: 45.00 lb
O.D. 2.75 in

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Field	GRAVEL TREND
County	GARFIELD
State	COLORADO