RMWS ROCKY MOUNTAIN WIRELINE SERVICE

TEMPERATURE LOG
CCL

Company	URSA OPERATING COMPANY		
Well	VALLEY FARMS L 41B - 14 - 06 - 92		
Field	GRAVEL TREND		
County	GARFIELD	State	COLORADO

Location: API # : 05 - 045 - 22363 - 00

SHL: 1208' FSL & 1178' FEL (SEC 11)
BHL: 0471' FNL & 0661' FEL (SEC 14)

SEC 11 TWP 6S RGE 92W

Other Services

				Elevation
Permanent Datum	G.L.	Elevation	5577'	K.B. 5592'
Log Measured From	K.B.	Ft Above PD	15'	D.F.
Drilling Measured From	K.B.			G.L. 5577'

Date	12 - 3 - 2014
Run Number	ONE
Depth Driller	7533'
Present Depth Driller	7473'
Depth Logger	7475'
Bottom Logged Interval	7475'
Top Log Interval	SURFACE
Fluid Level	SURFACE
Type Fluid	WATER
Max. Recorded Temp.	194.9 DEG F
Estimated Cement Top	1710'
Equipment Number	212
Location	GRAND JCT.
Recorded By	INGRAM
Witnessed By	MR. RICHARD

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				8.625"	32#	SURFACE	997'
				4.5"	13.5#	SURFACE	7518'

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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: NO LOG TO CORRELATE TO

SHORT JOINTS: 4436' TO 4446' & 5729' TO 5739' & 7003' TO 7013'

ESTIMATED TOP OF CEMENT = 1710'
BHT = 194.9 DEG F

MAIN PASS 5" = 100'
CSG PSI = STATIC

Calibration Report

Database File: 120314_ursa_valleyfarmsl_41b.db
Dataset Pathname: main/pass2
Dataset Creation: Wed Dec 03 04:53:20 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: 120314_ursa_valleyfarmsl_41b.db
Dataset Pathname: main/pass2
Presentation Format: rmws_temp
Dataset Creation: Wed Dec 03 04:53:20 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

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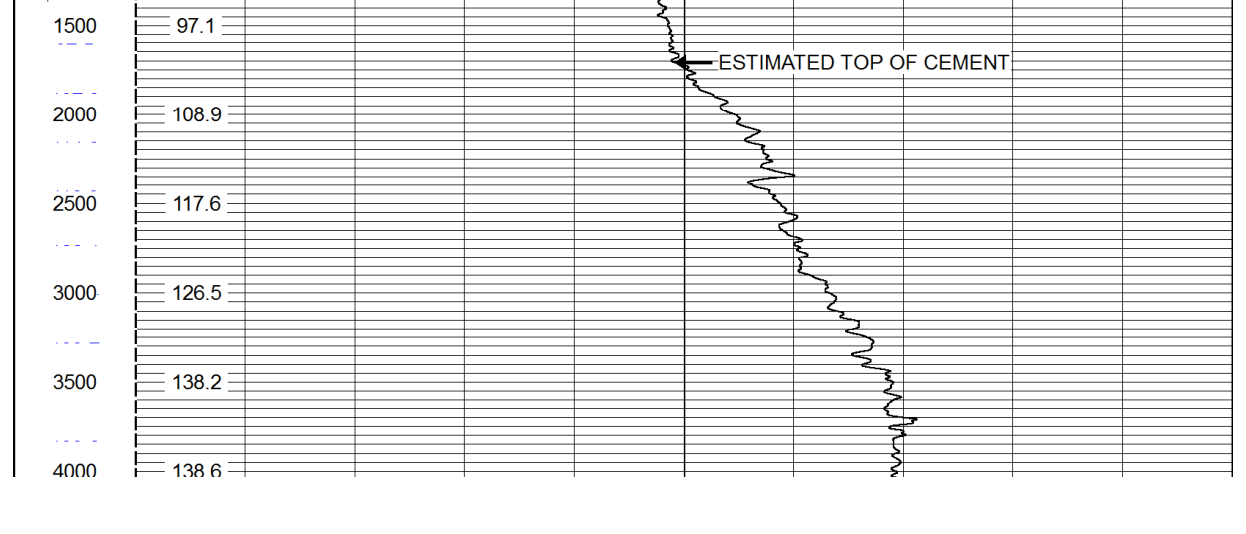
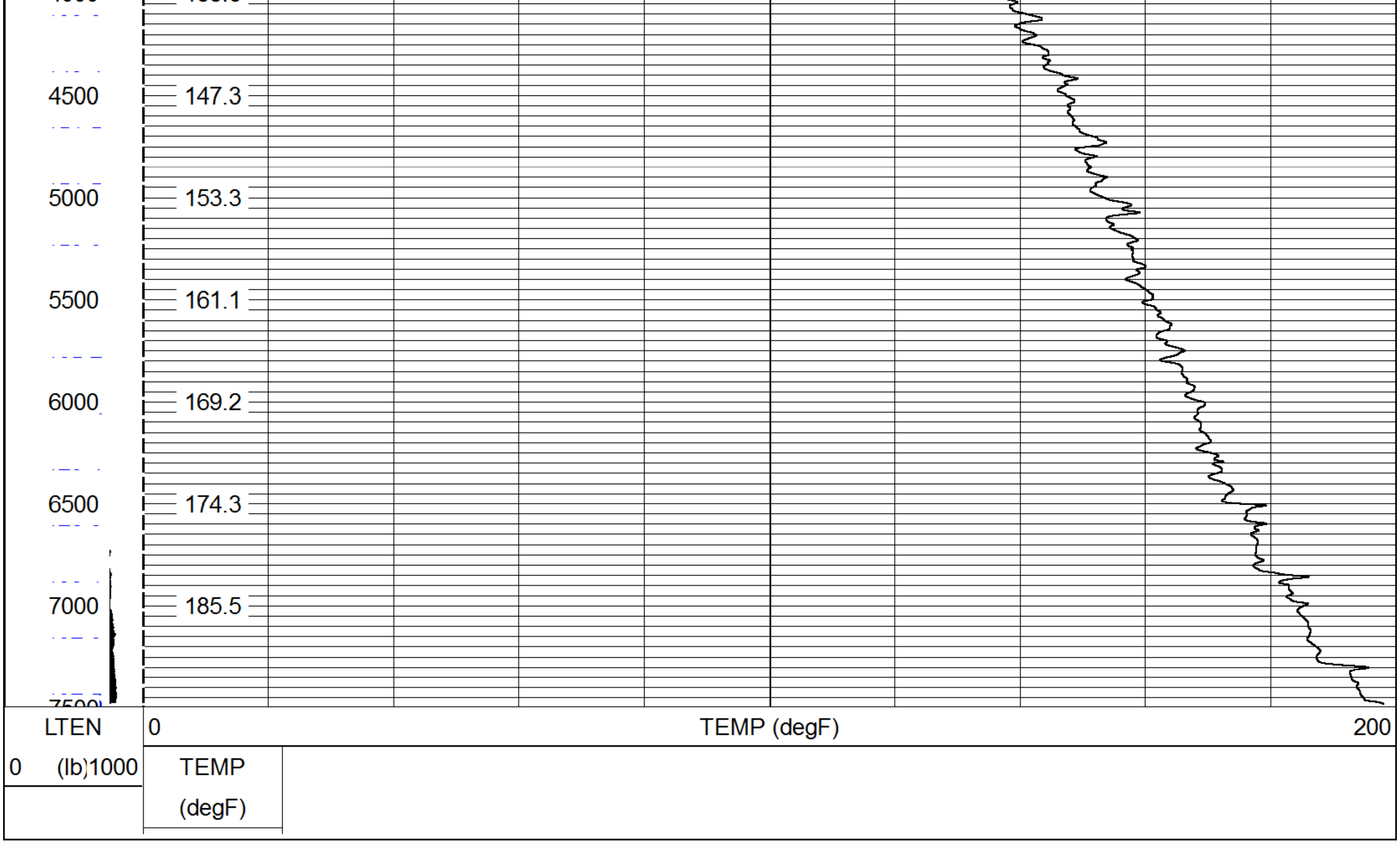
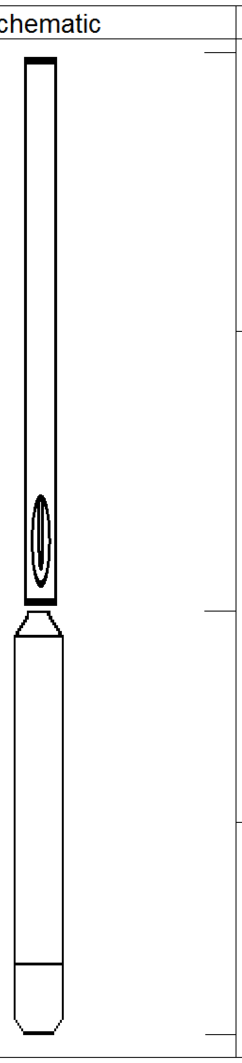
MAIN PASS QUICKLOOK

Database File:	120314_ursa_valleyfarmsl_41b.db
Dataset Pathname:	main/pass2.1
Presentation Format:	rmtemp_q
Dataset Creation:	Wed Dec 03 06:17:32 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:	120314_ursa_valleyfarmsl_41b.db: field/well/main/pass2
Total Length:	4.69 ft
Total Weight:	45.00 lb
O.D.	2.75 in

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