RMWS
ROCKY MOUNTAIN WIRELINE SERVICE

CEMENT BOND LOG
GAMMA RAY / CCL

Company	**SNOW CONSULTING**		
Well	**WOODRING 15-16**		
Field			
County	**MESA**	State	**COLORADO**

Location:
API # :

SEC
TWP
RGE

Other Services

Permanent Datum	G.L.	Elevation		Elevation
Log Measured From	G.L.	Ft Above PD	0.0'	K.B.
Drilling Measured From				D.F.
				G.L.

Date	4/24/2013		
Run Number	ONE		
Depth Driller	N/A		
Present Depth Driller	2150'		
Depth Logger	2148'		
Bottom Logged Interval	2147'		
Top Log Interval	SURFACE		
Fluid Level	FULL		
Type Fluid	WATER		
Max. Recorded Temp.	N/A		
Estimated Cement Top	1894'		
Equipment Number	208		
Location	GRAND JCT.		
Recorded By	MCBROOM		
Witnessed By	MR.SNOW		

Borehole Record				Casing Record			
Run Number	Bit	From	To	Size	Weight	From	To
				5.50"	15.5#	SURFACE	T.D.

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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 WERE NO LOGS TO CORRECT TO .
NOTE: SCALE = 5" = 100'
NOTE: CSG PSI STATIC.

Calibration Report

Database File:	04242013_snow_consulting_woodring 15-16.db
Dataset Pathname:	mainpass/pass1
Dataset Creation:	Wed Apr 24 19:33:41 2013 by Log SCH 120430

Gamma Ray Calibration Report

Serial Number:	10007260	
Tool Model:	020	
Performed:	Sun Jun 13 13:33:21 1993	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	1122	
Tool Model:	004	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	270.846	ft

Master Calibration, performed Wed Apr 24 19:13:07 2013:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.028	0.791	1.000	71.921	92.944	-1.610
5FT	0.020	0.888	1.000	71.921	81.696	-0.661
S1	0.036	0.806	0.000	100.000	129.906	-4.721
S2	0.036	0.826	0.000	100.000	126.735	-4.621
S3	0.036	0.786	0.000	100.000	133.314	-4.762
S4	0.034	0.782	0.000	100.000	133.673	-4.561
S5	0.036	0.777	0.000	100.000	134.997	-4.878
S6	0.035	0.778	0.000	100.000	134.609	-4.732
S7	0.036	0.787	0.000	100.000	133.251	-4.831
S8	0.035	0.797	0.000	100.000	131.236	-4.630

Calibration Report

Serial Number:	1122
Tool Model:	004
Performed:	

	Reference (degF)	Reading ()
Low:	0.000	0.000
High:	1.000	1.000
	Gain = 1.000	Offset= 0.000

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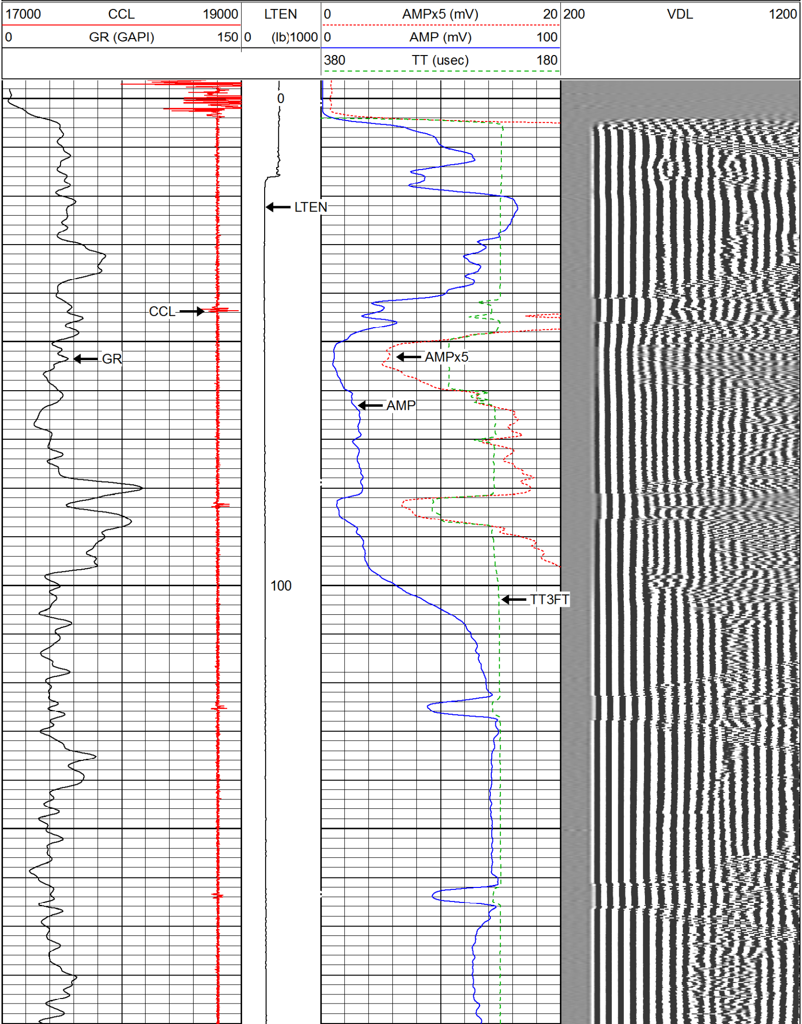
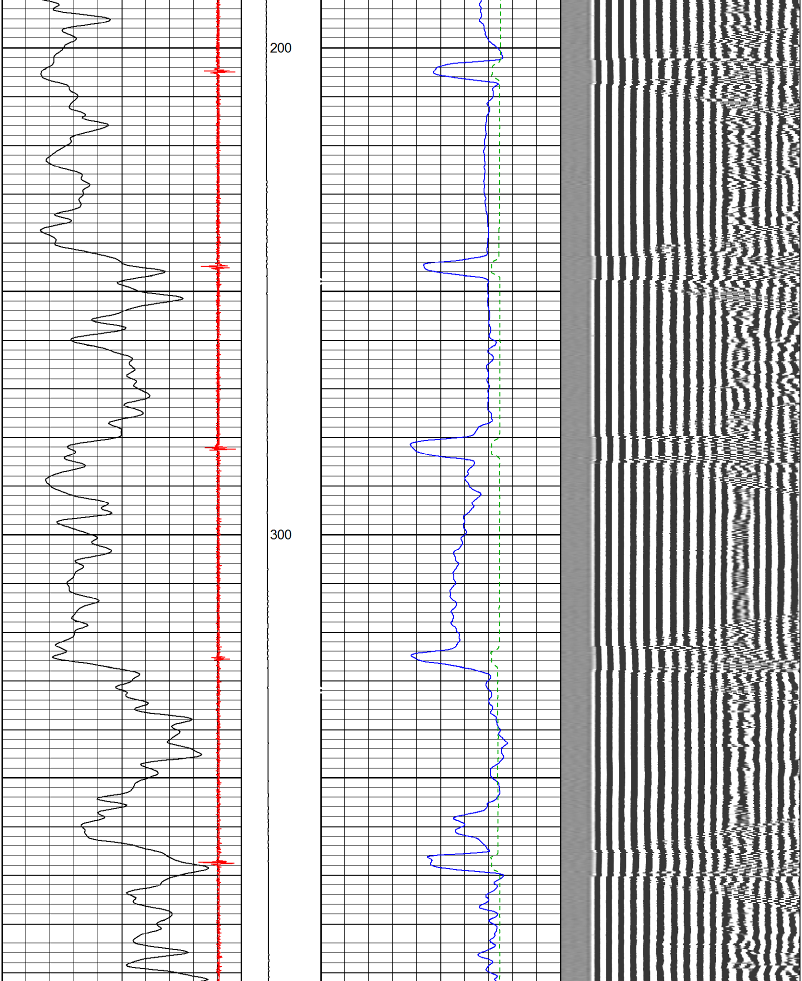
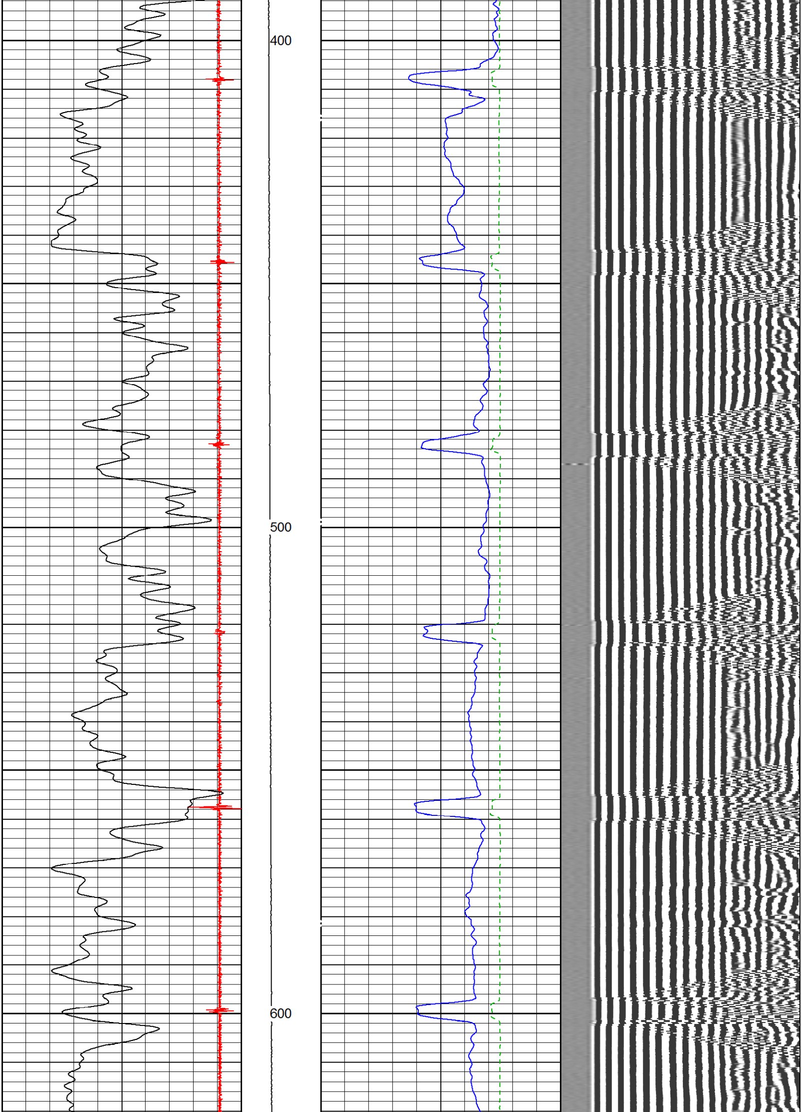
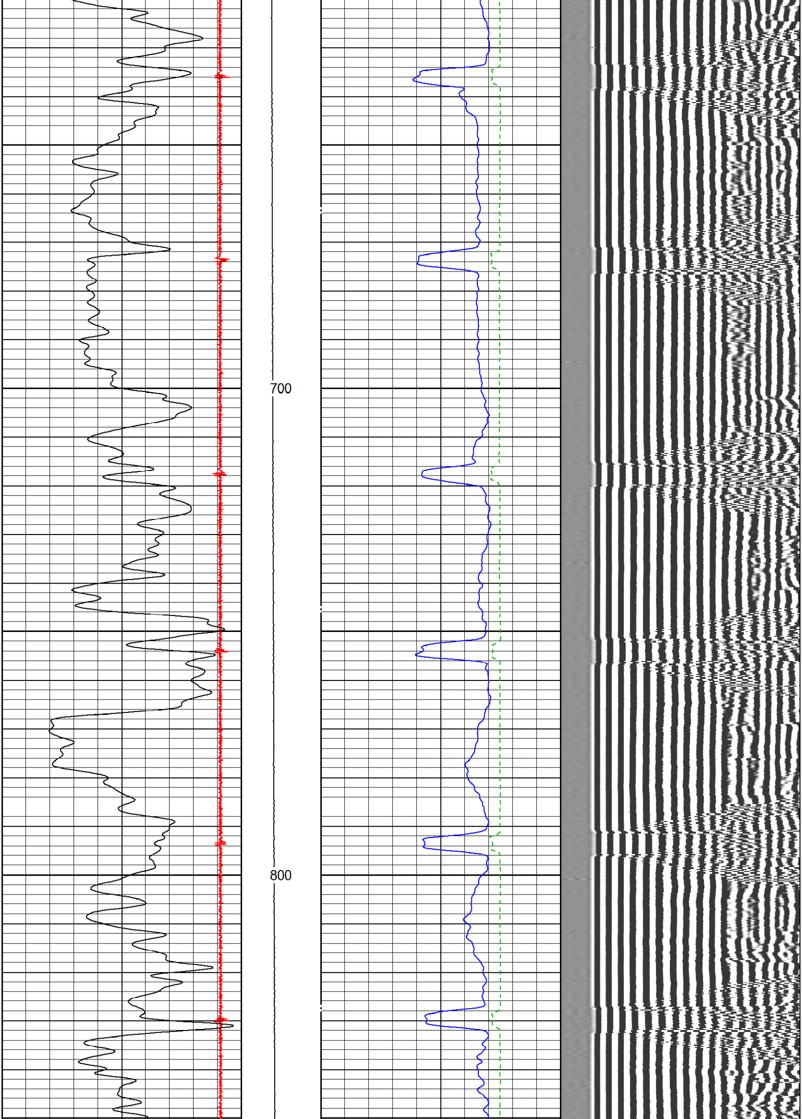
MAIN PASS

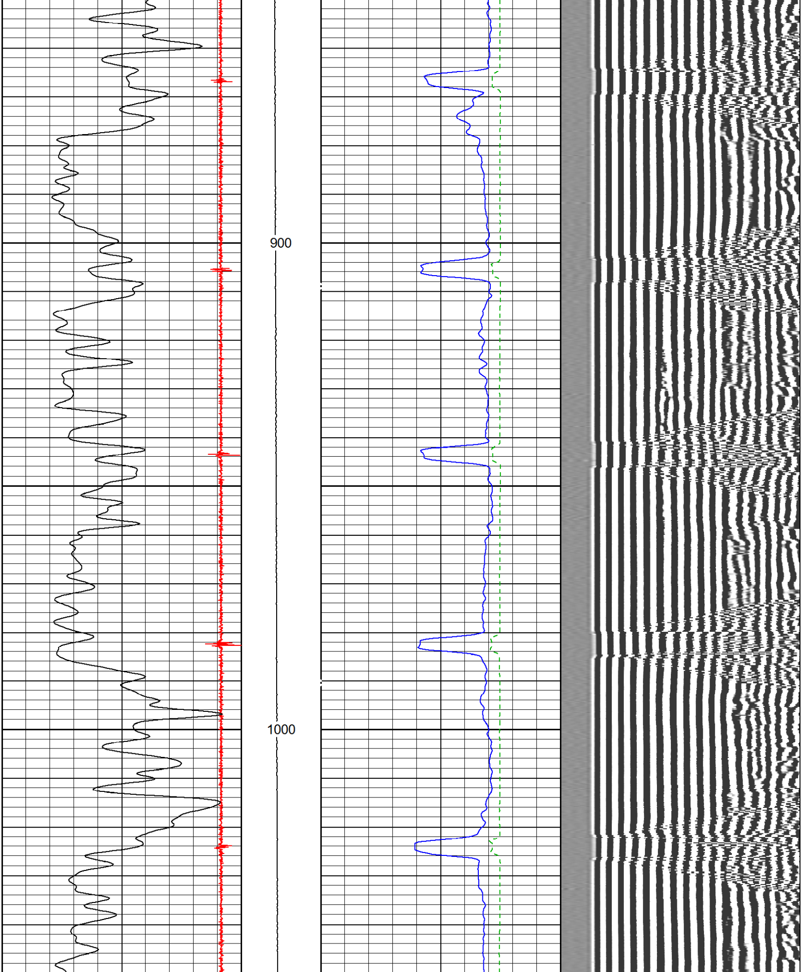
Database File:	04242013_snow_consulting_woodring 15-16.db
Dataset Pathname:	mainpass/pass1
Presentation Format:	rmws_dsc
Dataset Creation:	Wed Apr 24 19:33:41 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

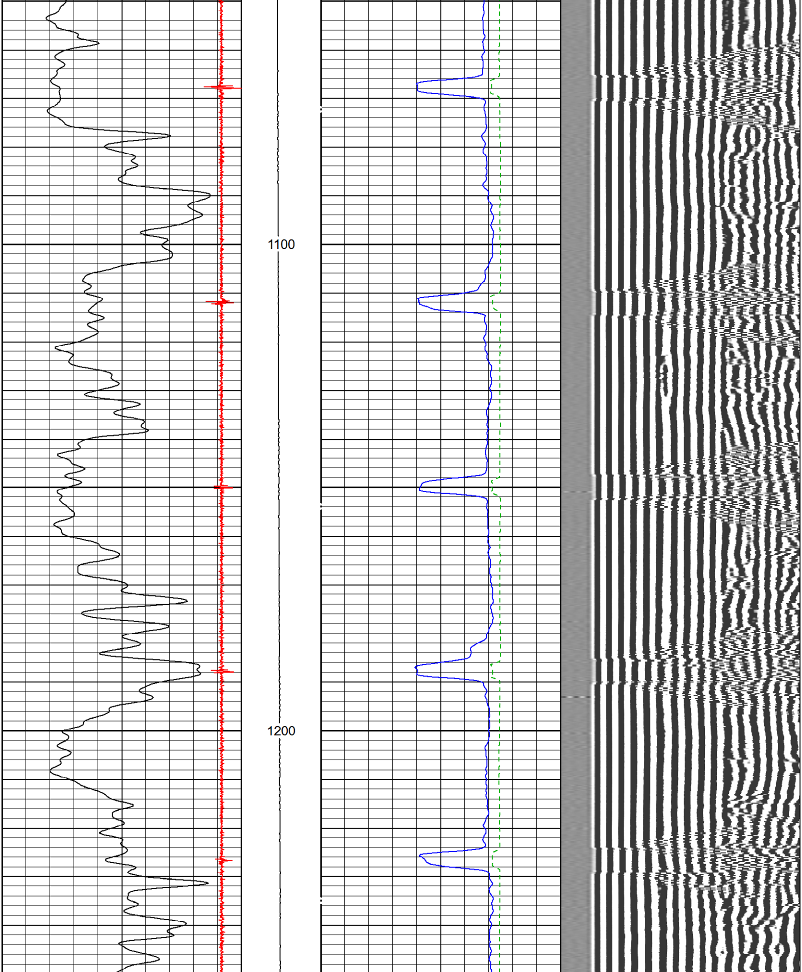


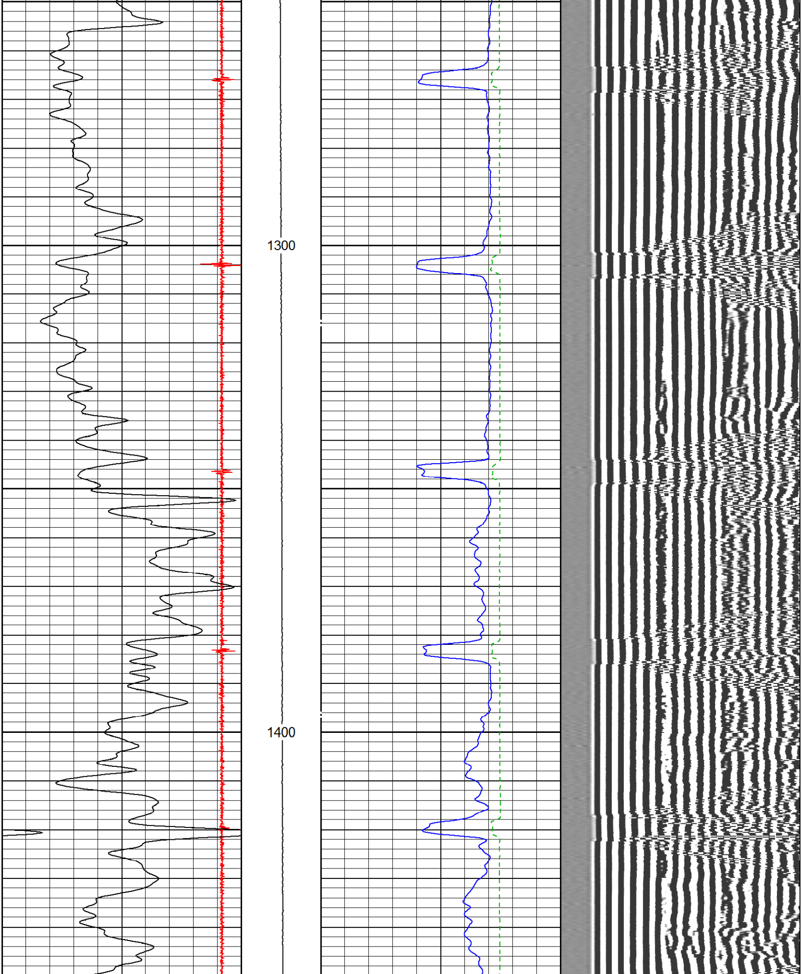


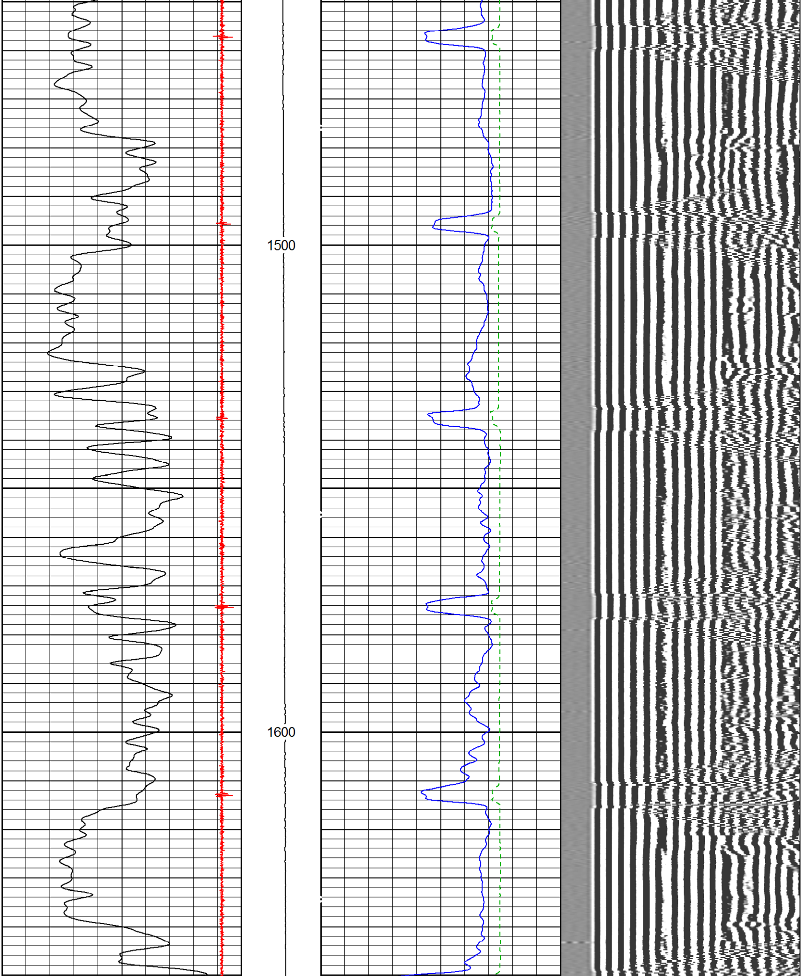


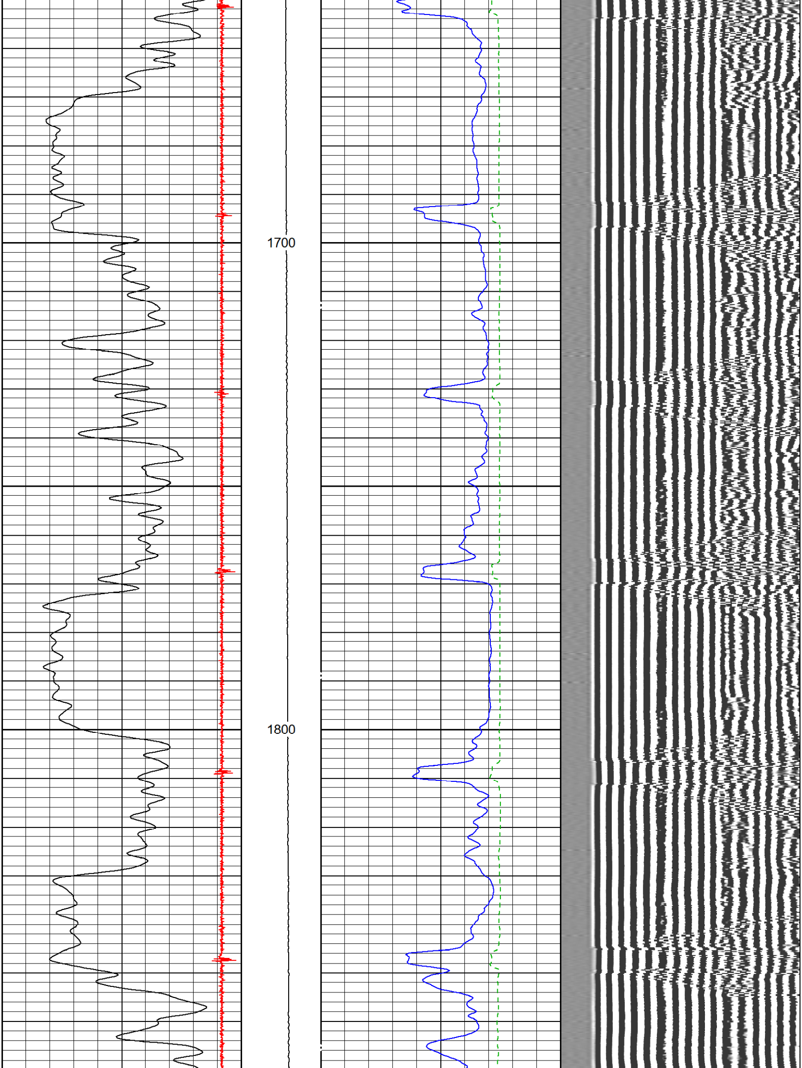


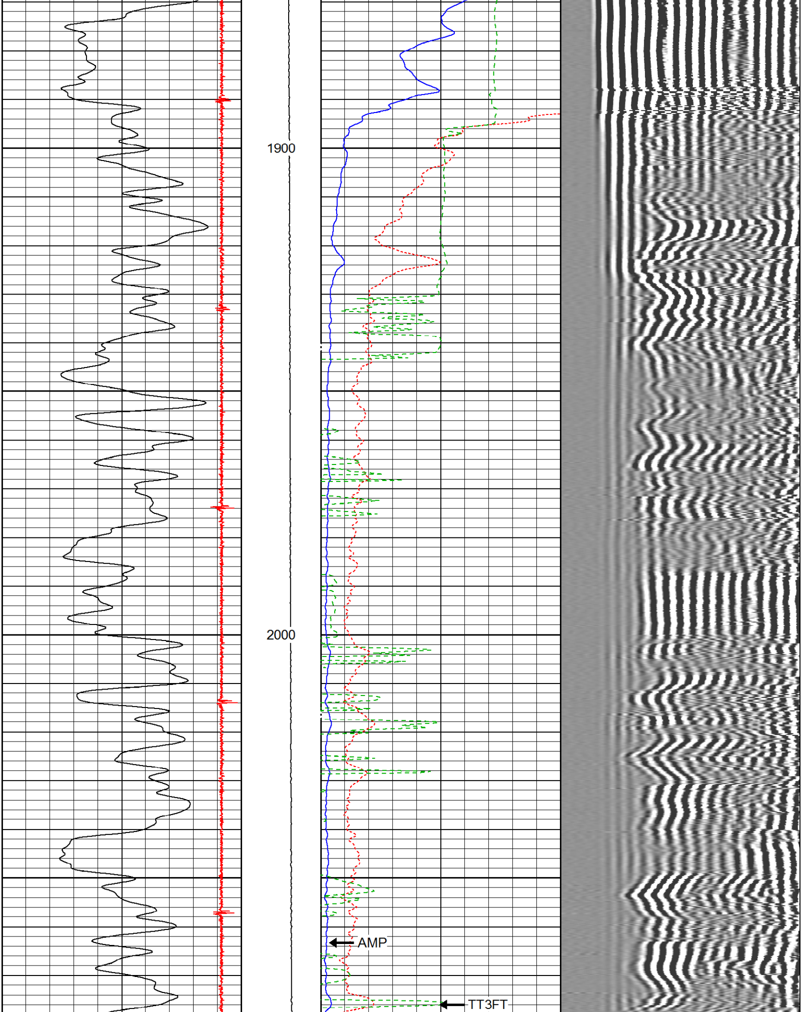


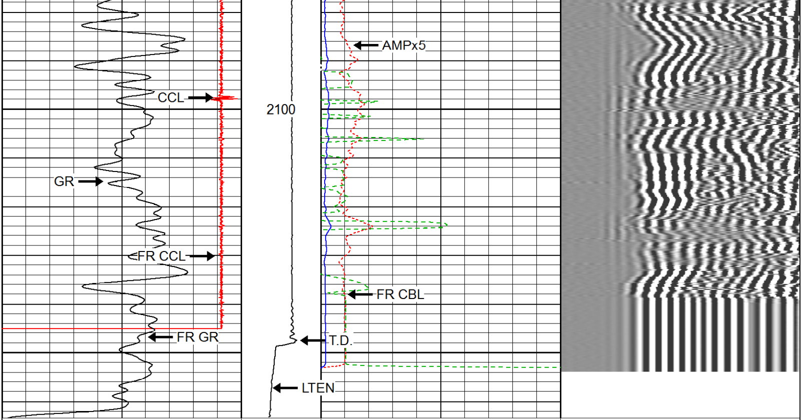












17000 CCL 19000	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
0 GR (GAPI) 150	0 (lb) 1000	0 AMP (mV) 100	
		380 TT (usec) 180	

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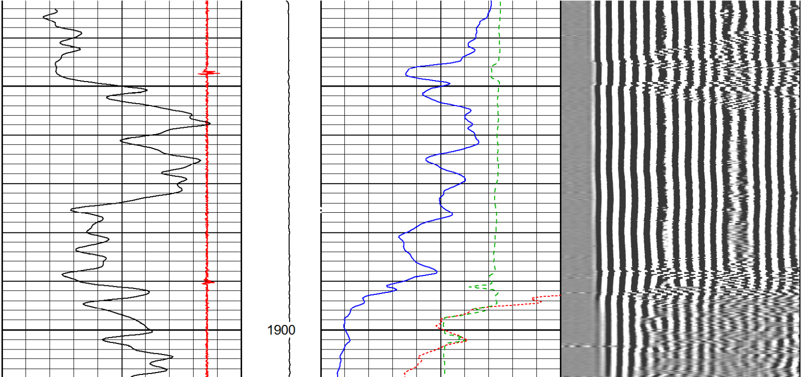
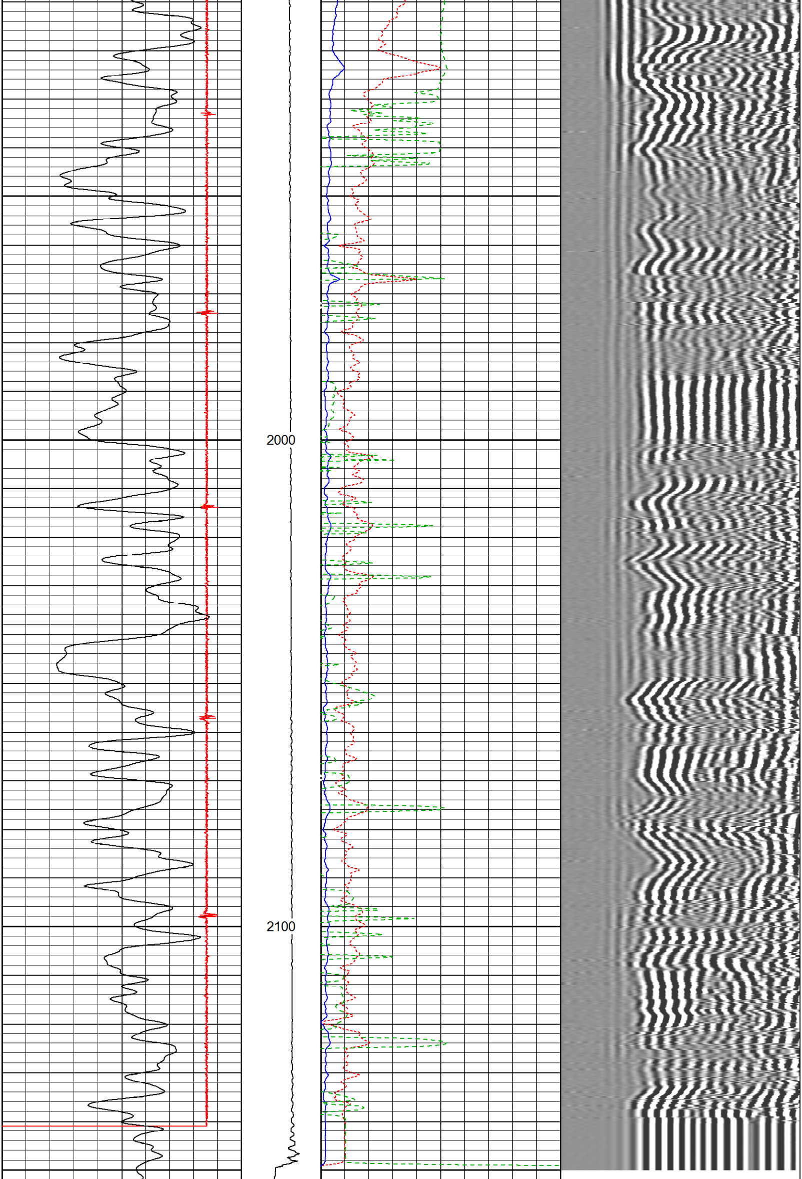
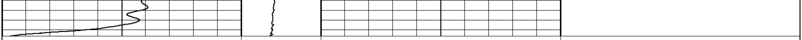
REPEAT PASS

Database File:	04242013_snow_consulting_woodring 15-16.db
Dataset Pathname:	repeatpas/pass1
Presentation Format:	rmws_dsc
Dataset Creation:	Wed Apr 24 19:28:06 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

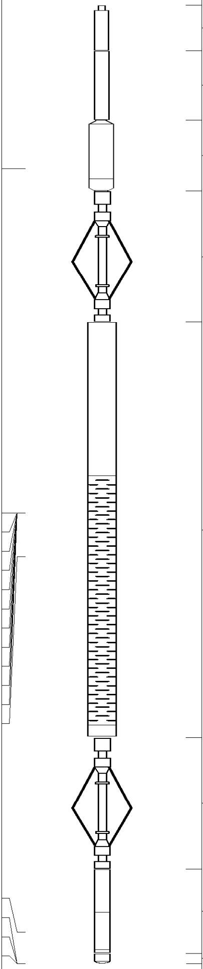
16000 CCL 19300	LTEN	0 AMPx5 (mV) 20	200 VDL 1200
0 GR (GAPI) 150	0 (lb) 1000	0 AMP (mV) 100	
		380 TT (usec) 180	







16000	CCL	19300	LTEN	0	AMPx5 (mV)	20	200	VDL	1200
0	GR (GAPI)	150	0 (lb) 1000	0	AMP (mV)	100			
				380	TT (usec)	180			

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-AES (000001) Cable Head	1.04	1.69	2.00
			XTU-002 (10009055) Crossover Ultrawire Toolbus To Ultralink	1.58	1.69	6.50
CCL	18.13		CCL-028 (1036) CCL UW 3 1/8" SONDEX	1.61	3.13	36.00
			PRC-022 (215770) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX)	3.00	2.38	21.40
WVF3FT WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 CBLTEMP CBLROT WVF5FT	10.28 10.28 10.28 10.28 10.28 10.28 10.28 10.28 10.28 10.28 10.28 9.28		RBT-004 (1122) Radial Bond Tool (UW 3 1/8)	9.47	3.13	140.00
			PRC-022 (215771) (6 ARM 2 3/8" ROLLER CENTRALIZER SONDEX)	3.00	2.38	21.40
GR TSTAMP ITEMPX HVOLTX	0.72 0.00 0.00 0.00		PGR-020 (10007260) Production Gamma Ray	1.93	1.69	9.50
			BUL-006 (212965) Bullnose Terminator	0.22	1.69	1.20

Dataset:	04242013_snow_consulting_woodring 15-16.db: field/well/mainpass/pass1
Total Length:	21.85 ft
Total Weight:	238.00 lb
O.D.	3.13 in

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Company	SNOW CONSULTING
Well	WOODRING 15-16
Field	
County	MESA
State	COLORADO