PIONEER

Pioneer Energy Services

RADIAL BOND LOG
CCL/VDL
GAMMA RAY/TEMP

Company KERR MCGEE OIL & GAS ONSHORE LP
Well NEWBY 11-33
Field WATTENBURG
County WELD
State CO

Company	KERR MCGEE OIL & GAS ONSHORE LP
Well	NEWBY 11-33
Field	WATTENBURG
County	WELD
State	CO

Location: API # : 05-123-29526

1321' FSL & 1356' FWL
SESW

SEC 33 TWP 3N RGE 68W

Other Services

Permanent Datum Elevation 4925
Log Measured From
Drilling Measured From

Elevation
K.B. 4940
D.F. 4939
G.L. 4925

Date	5/20/2014		
Run Number	1		
Depth Driller	7835		
Depth Logger	1600		
Bottom Logged Interval	1600		
Top Log Interval	SURFACE		
Open Hole Size	7.875		
Type Fluid	WATER		
Density / Viscosity	NA		
Max. Recorded Temp.	75		
Estimated Cement Top	NA		
Time Well Ready	09:00		
Time Logger on Bottom	09:30		
Equipment Number	59		
Location	FT. MORGAN		
Recorded By	TIM REESE		
Witnessed By	NICK		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

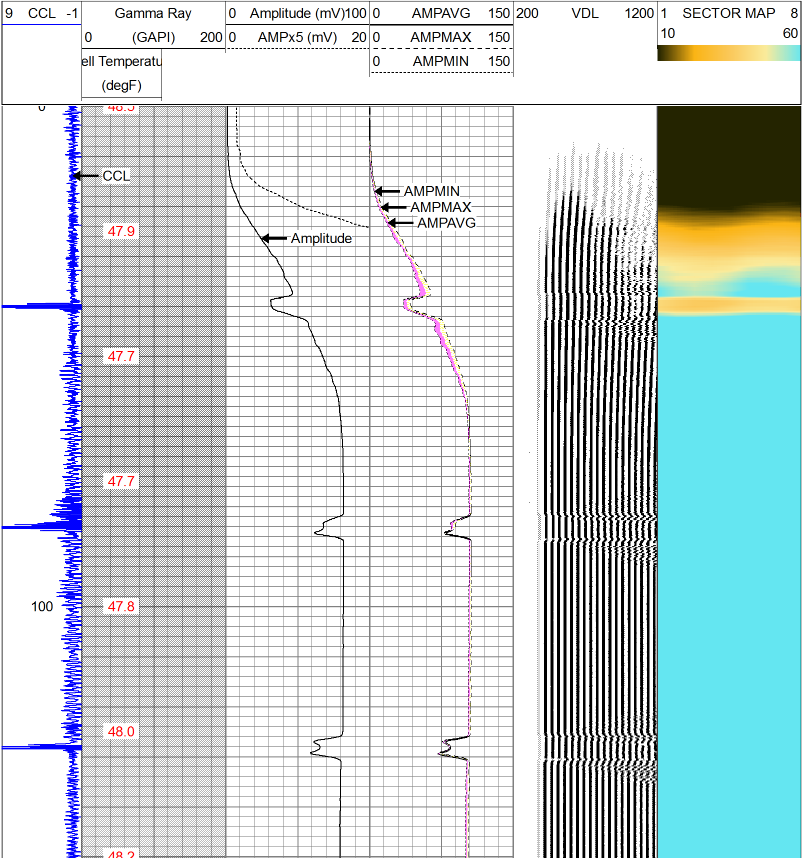
Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

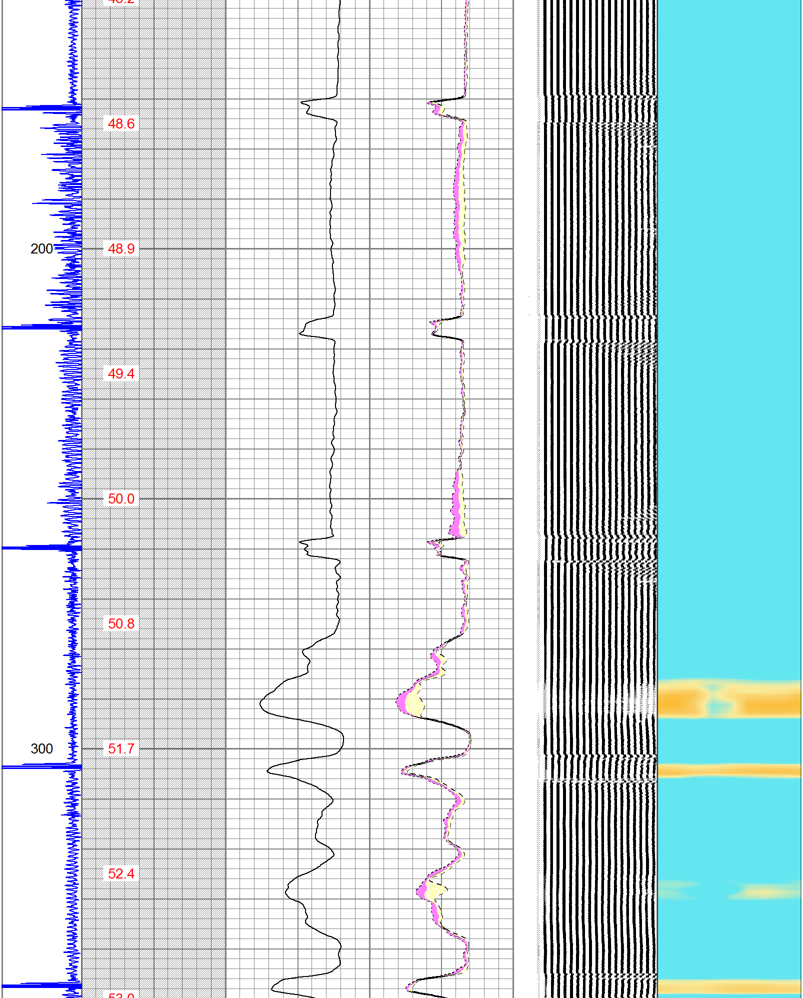
<<< Fold Here >>>

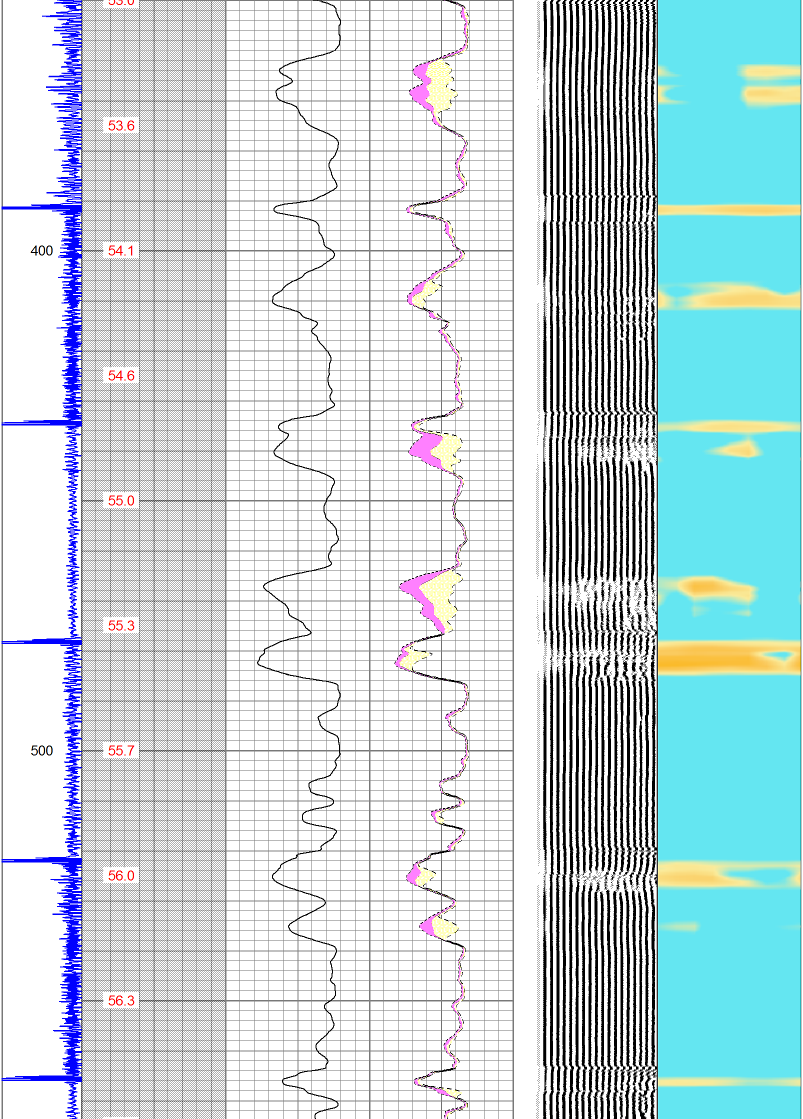
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

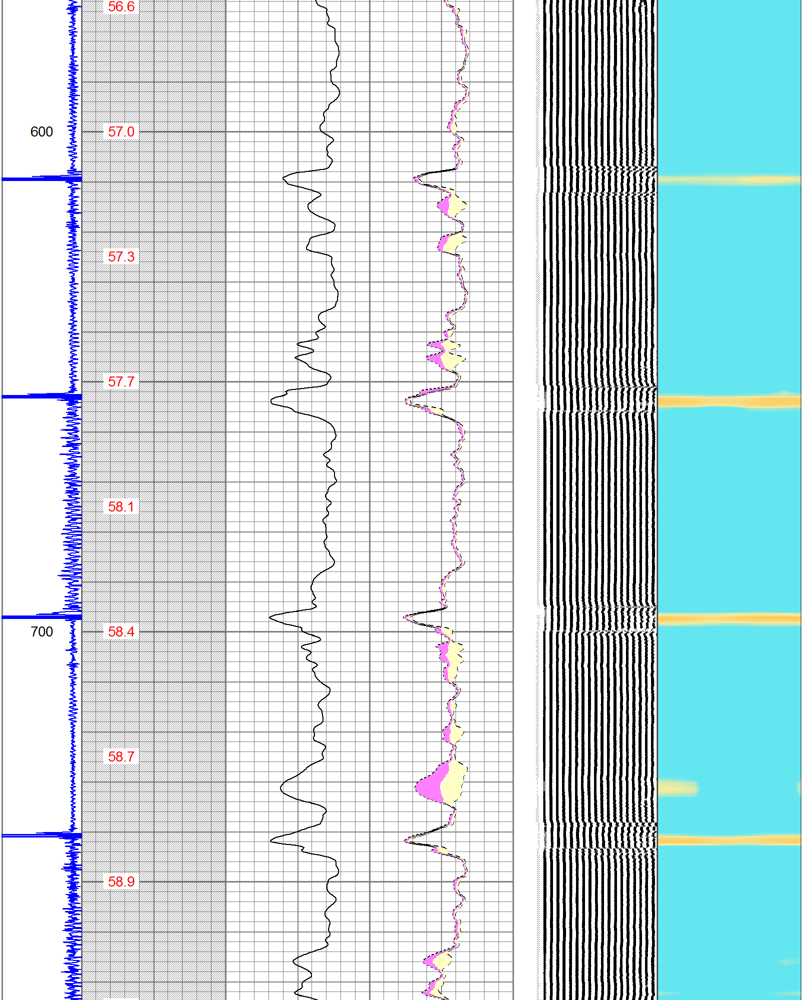
Comments

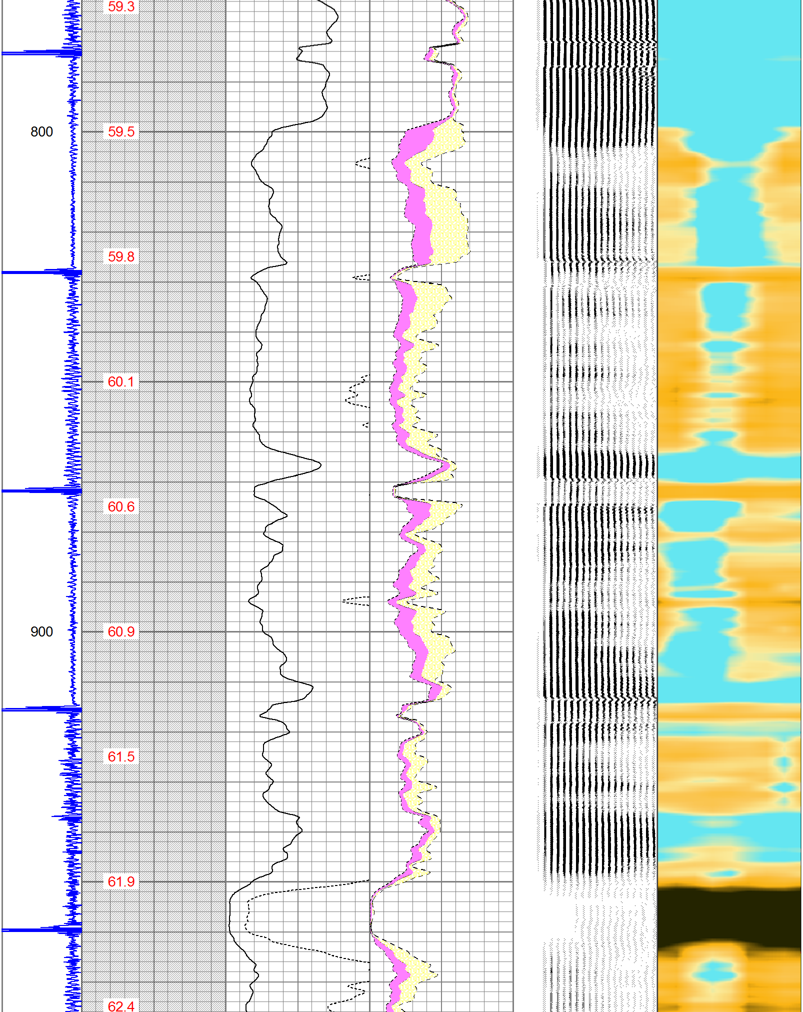
Database File:	newby 11-33.db
Dataset Pathname:	pass2.2
Presentation Format:	scbl02
Dataset Creation:	Tue May 20 10:06:58 2014 by Calc 7.0 B1
Charted by:	Depth in Feet scaled 1:240

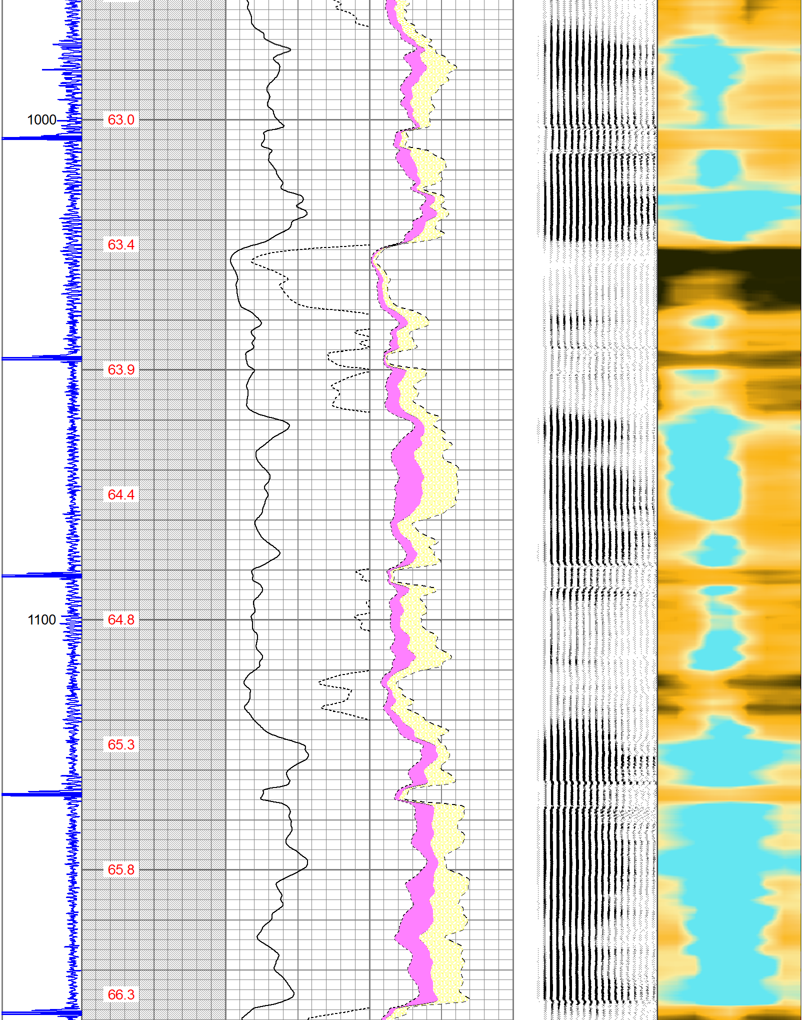


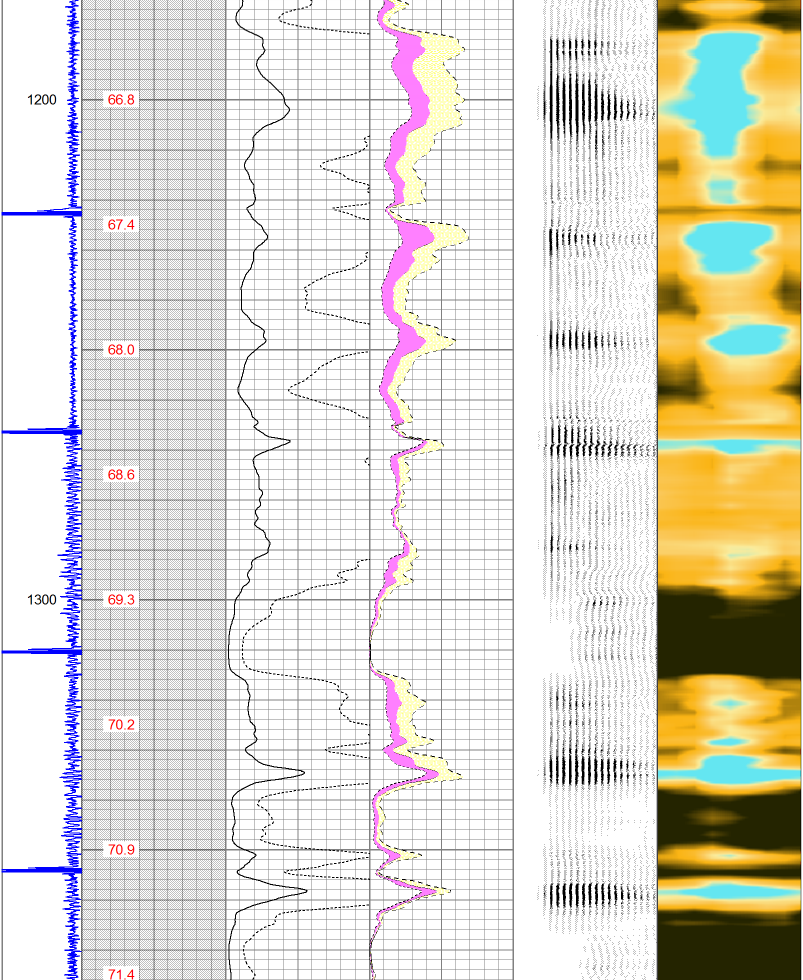


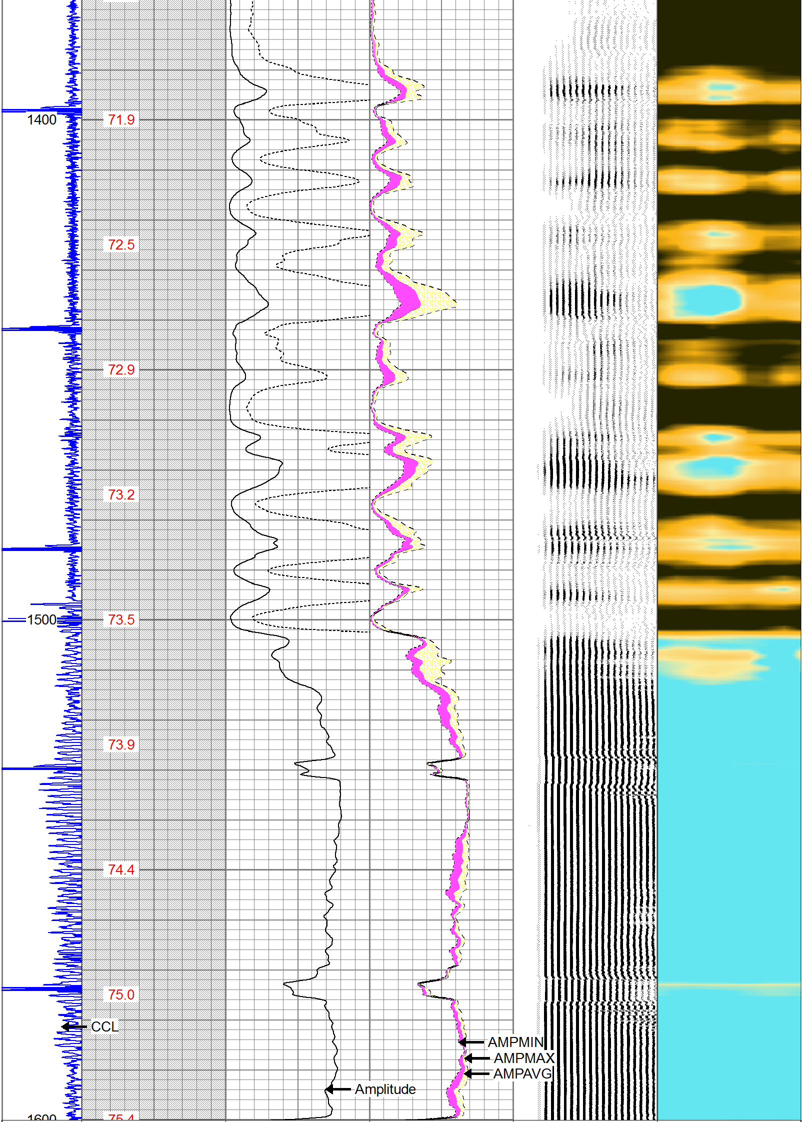












9 CCL -1	Gamma Ray 0 (GAPI) 200	0 Amplitude (mV)100 0 AMPx5 (mV) 20	0 AMPAVG 150 0 AMPMAX 150 0 AMPMIN 150	200 VDL 1200	1 SECTOR MAP 8 10 60
	ell Temperatu (degF)				

Calibration Report

Database File:	newby 11-33.db
Dataset Pathname:	pass2
Dataset Creation:	Tue May 20 09:36:01 2014 by Log 7.0 B1

Temperature Calibration Report

Serial Number:	0001	
Tool Model:	1.375TEMP	
Performed:	Tue May 06 14:01:15 2014	
	Reference	Reading
Low Reference:	32.00 degF	320.00 cps
High Reference:	500.00 degF	5000.00cps
Gain:	0.09	
Offset:	0.00	
Delta Spacing	2	

Gamma Ray Calibration Report

Serial Number:	111211	
Tool Model:	Probe	
Performed:	Fri Nov 08 12:58:35 2013	
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:	Base	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	130.592	ft

Master Calibration, performed Thu May 08 15:51:20 2014:

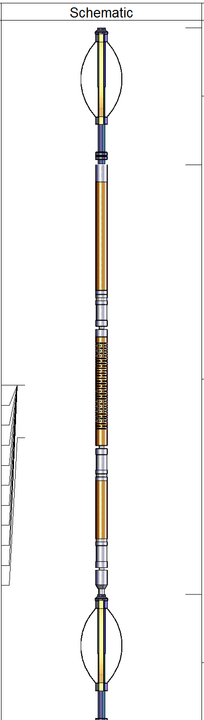
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	2.173	2.000	81.196	36.581	1.716
CAL	0.739	0.414				
5'	0.007	2.138	2.000	81.196	37.164	1.746
SUM						
S1	0.007	2.156	0.000	95.000	44.213	-0.323
S2	0.005	2.205	0.000	95.000	43.182	-0.209
S3	0.008	2.185	0.000	95.000	43.626	-0.337
S4	0.006	2.166	0.000	95.000	43.975	-0.271
S5	0.008	2.153	0.000	95.000	44.296	-0.376
S6	0.008	2.130	0.000	95.000	44.756	-0.349
S7	0.007	2.158	0.000	95.000	44.165	-0.299
S8	0.007	2.178	0.000	95.000	43.753	-0.312

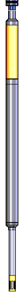
Internal Reference Calibration, performed Wed Aug 21 11:08:58 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.739	0.414	1.000	0.000

Air Zero Calibration, performed Thu May 08 15:48:13 2014:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	12.96 12.96 12.96 12.96 12.96 12.96 12.96 12.96 12.96 12.96 11.88		RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
			PTS275	2.83	2.75	

CCL	4.88					
GR	3.55		GR_CCL-Probe (111211) Probe Gamma CCL	4.54	2.75	100.00
TEMP	0.08		TEMP-1.375TEMP (0001) Temperature Tool	1.25	1.38	30.00

Dataset:	newby 11-33.db: field/well/run1/pass2
Total Length:	20.38 ft
Total Weight:	220.00 lb
O.D.	2.75 in