Company	HIGHPOINT RESOURCES
Well	ANSCHUTZ EQUUS FARMS 05-61-35-645
Field	BRIGGSDALE
County	WELD
State	CO

RCBL
GAMMA RAY / CCL

Company	HIGHPOINT RESOURCES		
Well	ANSCHUTZ EQUUS FARMS 05-61-35-6457B		
Field	BRIGGSDALE		
County	WELD	State	CO
Location:	API #: 05-123-49224 NESE 1686' FSL & 375' FEL	Other Services	NONE
	SEC 34 TWP 5N RGE 61W		
Permanent Datum	GROUND LEVEL Elevation 4479.6'	Elevation	K.B. 4496.1' D.F. -- G.L. 4479.6'
Log Measured From	KB 16.5'		
Drilling Measured From	KELLY BUSHING		

Date	11-20-2019
Run Number	ONE
Depth Driller	16,030.8'
Depth Logger	NA
Bottom Logged Interval	6220'
Top Log Interval	SURFACE
Open Hole Size	6.125"
Type Fluid	H2O
Density / Viscosity	8.3 / H2O
Max. Recorded Temp.	NR
Estimated Cement Top	SEE LOG
Time Well Ready	1200
Time Logger on Bottom	1230
Equipment Number	216
Location	GREELEY, CO
Recorded By	S. KERBY
Witnessed By	RAY LYNCH

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36#	SURFACE	988'
Prot. String	7"	23#	SURFACE	6297.7'
Production String	4.5"	13.5#	SURFACE	5486.5'
Liner	4.5"	11.6#	5486.5'	16,030.8'

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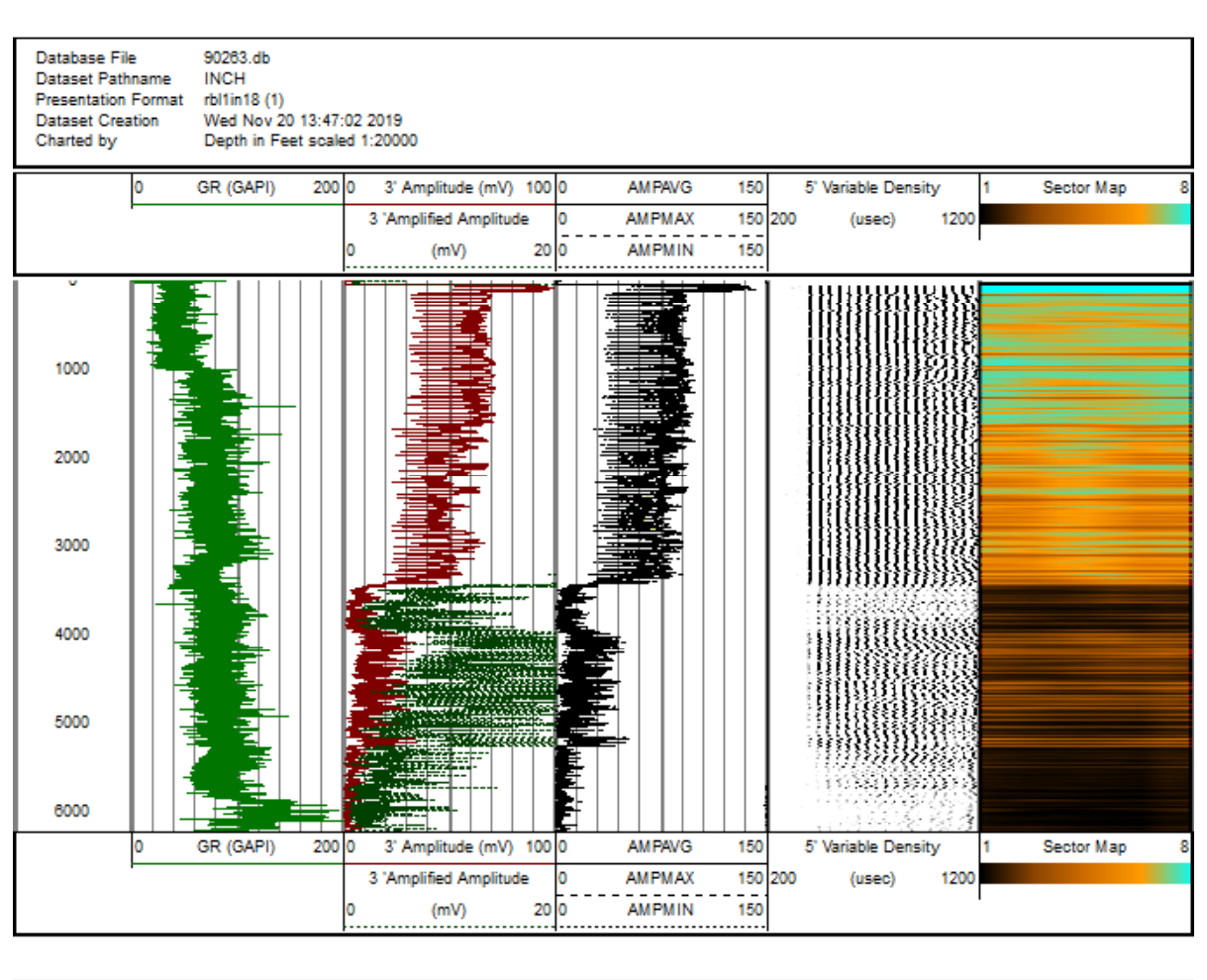
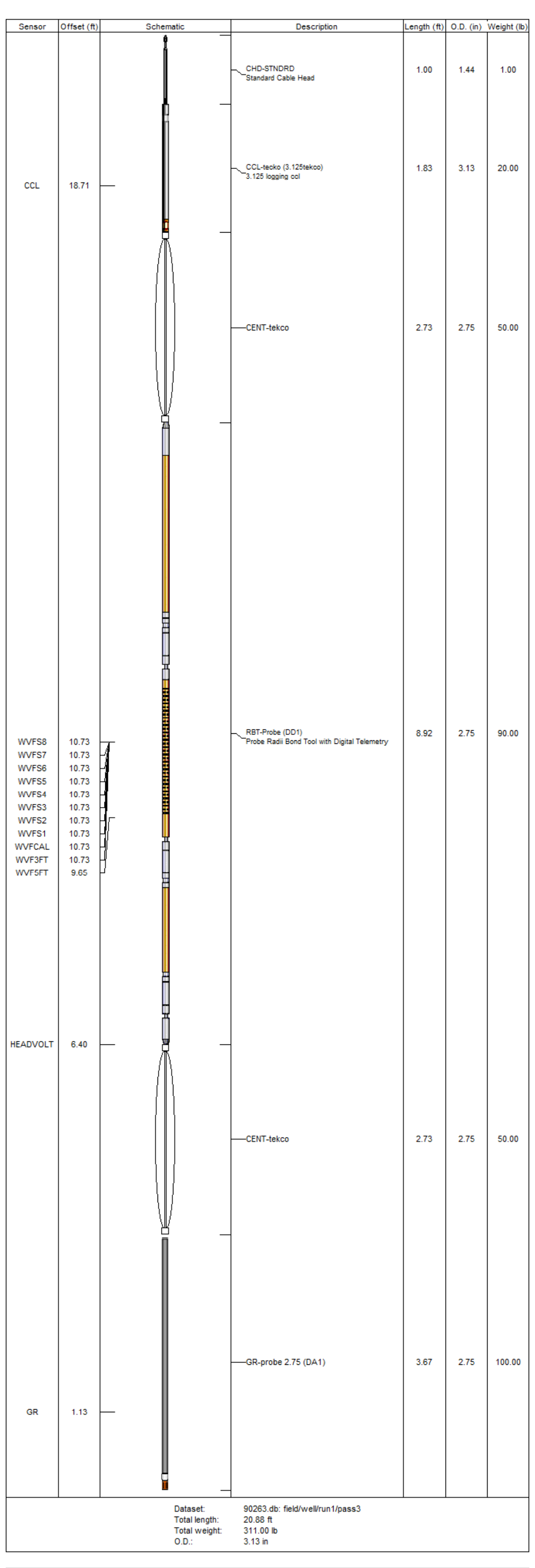
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Comments

INFORMATION PROVIDED BY COMPANY REPRESENTATIVE

Database File	90263.db
Dataset Pathname	INCH
Presentation Format	rbl1in18 (1)
Dataset Creation	Wed Nov 20 13:47:02 2019
Charted by	Depth in Feet scaled 1:20000





Sensor	Offset (ft)	Description	Length (ft)	O.D. (in)	Weight (lb)
		CHD-STNDRD Standard Cable Head	1.00	1.44	1.00
CCL	18.71	CCL-tecko (3.125tekco) 3.125 logging ccl	1.83	3.13	20.00
		CENT-tekco	2.73	2.75	50.00
WVFS8 WVFS7 WVFS6 WVFS5 WVFS4 WVFS3 WVFS2 WVFS1 WVFCAL WVF3FT WVF5FT	10.73 10.73 10.73 10.73 10.73 10.73 10.73 10.73 10.73 10.73 9.65	RBT-Probe (DD1) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
HEADVOLT	6.40				
		CENT-tekco	2.73	2.75	50.00
GR	1.13	GR-probe 2.75 (DA1)	3.67	2.75	100.00

Dataset: 90263.db: field/well/run1/pass3
Total length: 20.88 ft
Total weight: 311.00 lb
O.D.: 3.13 in

Calibration Report

Database File 90263.db
Dataset Pathname pass3
Dataset Creation Wed Nov 20 12:40:36 2019

Gamma Ray Calibration Report

Serial Number:	DA1	
Tool Model:	probe 2.75	
Performed:	Tue Dec 15 12:23:42 2015	
Calibrator Value:	200.0	GAPI
Background Reading:	39.6	cps
Calibrator Reading:	259.2	cps
Sensitivity:	0.9108	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	DD1	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	3317.321	ft

Master Calibration, performed Wed Nov 20 07:50:31 2019:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.010	0.770	1.500	81.196	104.911	0.463
CAL	0.013	1.036				
5'	0.009	0.664	1.500	81.196	121.657	0.406
SUM						
S1	0.011	0.741	0.000	100.000	136.953	-1.531
S2	0.011	0.741	0.000	100.000	136.964	-1.455
S3	0.010	0.743	0.000	100.000	136.472	-1.364
S4	0.010	0.742	0.000	100.000	136.572	-1.344
S5	0.010	0.740	0.000	100.000	136.921	-1.340
S6	0.010	0.740	0.000	100.000	136.987	-1.405
S7	0.011	0.741	0.000	100.000	136.923	-1.488
S8	0.012	0.742	0.000	100.000	136.914	-1.593

Internal Reference Calibration, performed (Not Performed):

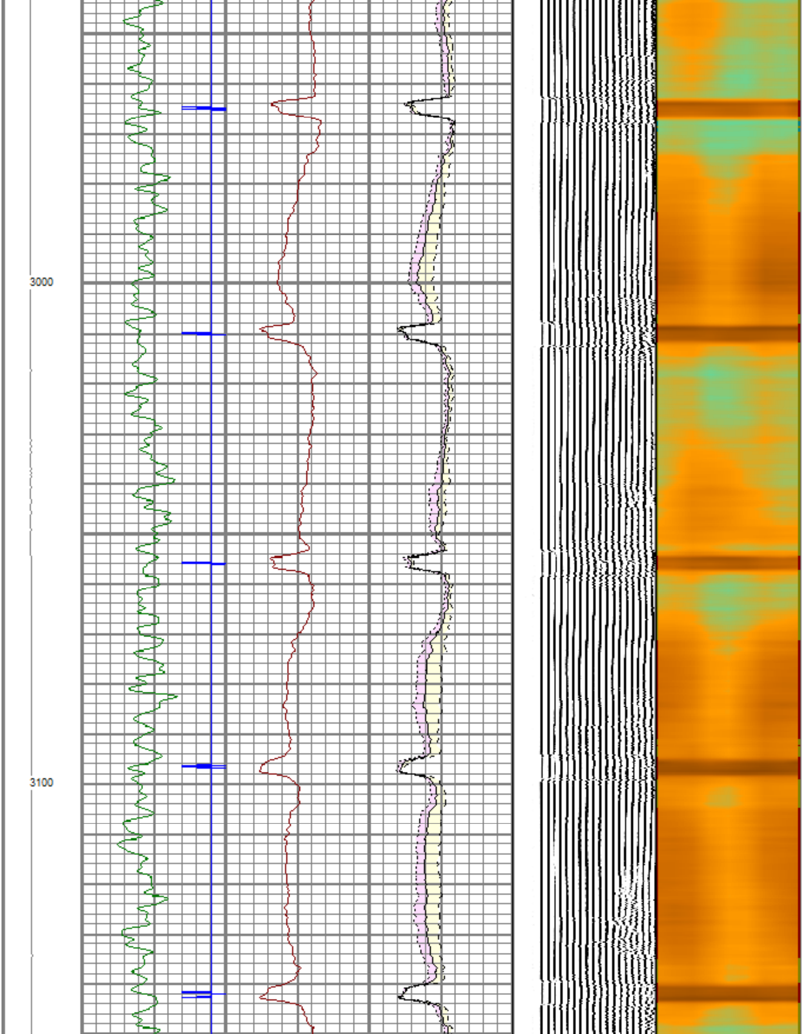
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.013	1.036	1.000	0.000

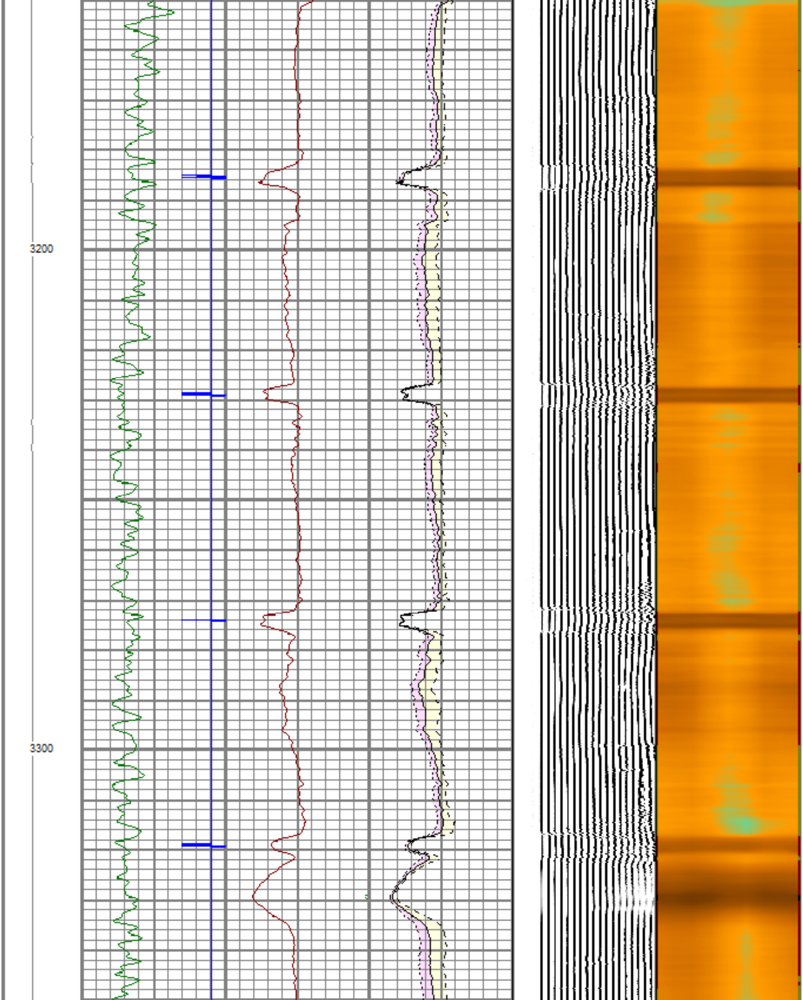
Air Zero Calibration, performed Wed Nov 20 06:33:59 2019:

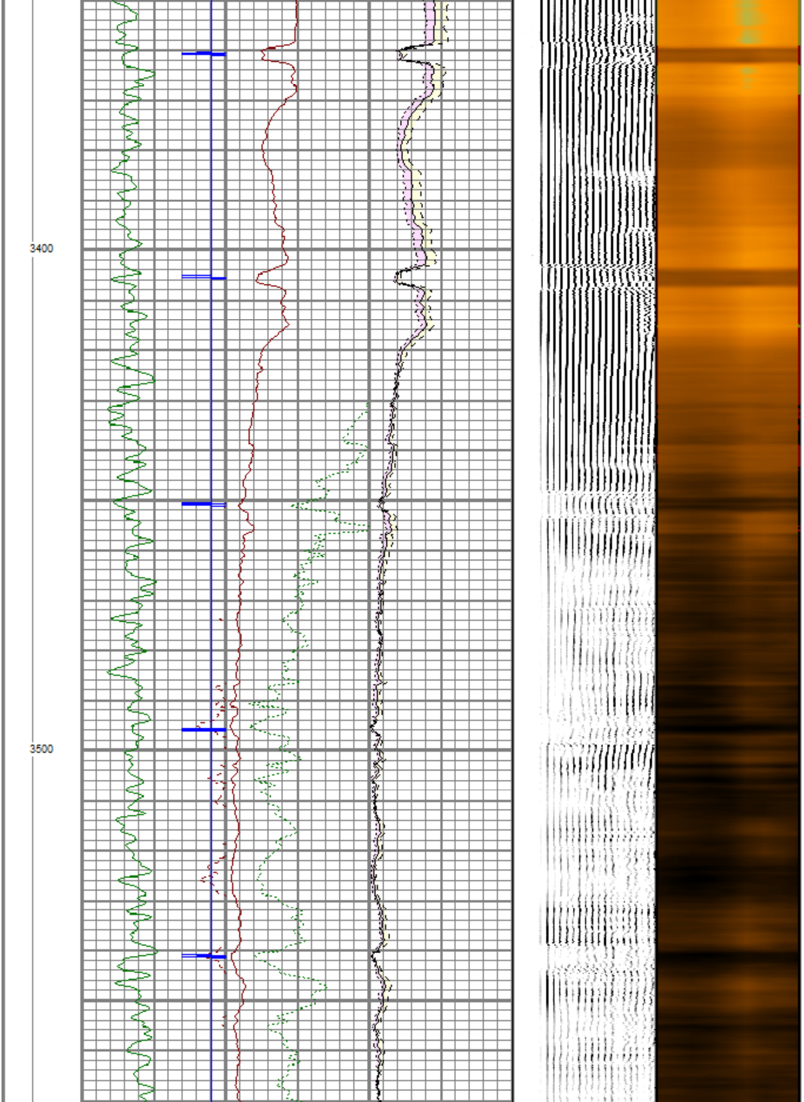
	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

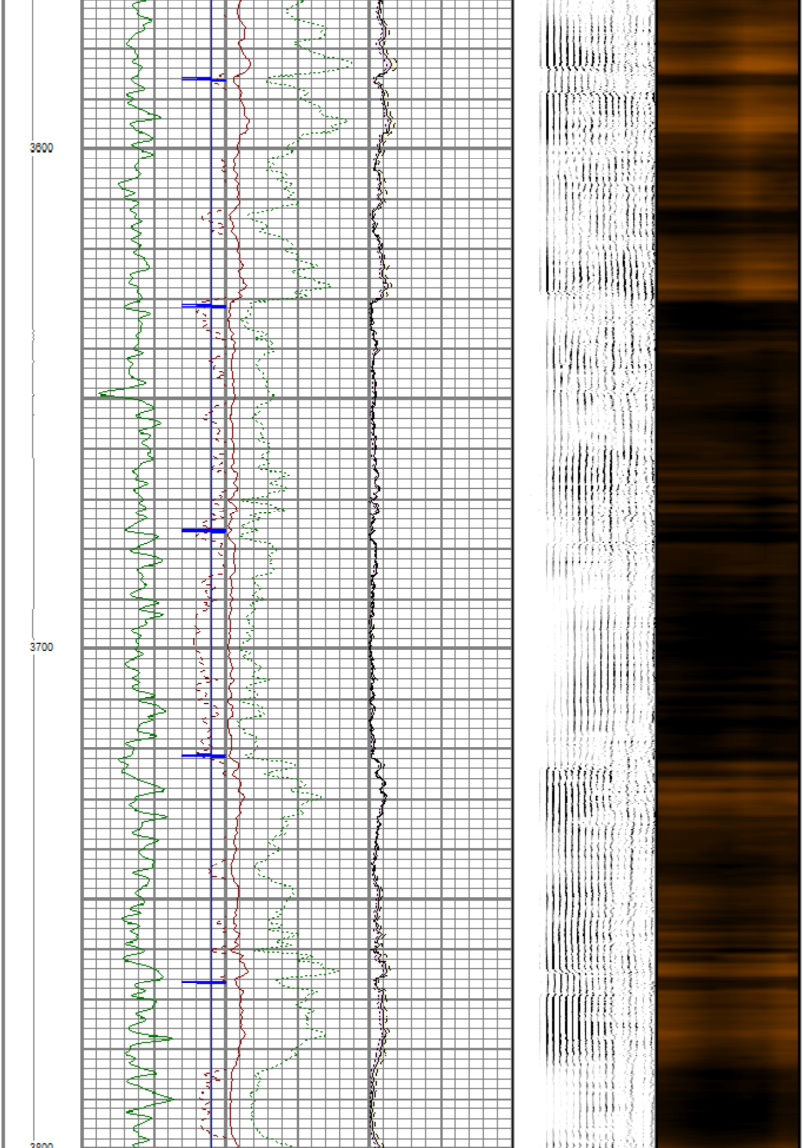
MAIN PASS 0 PSI

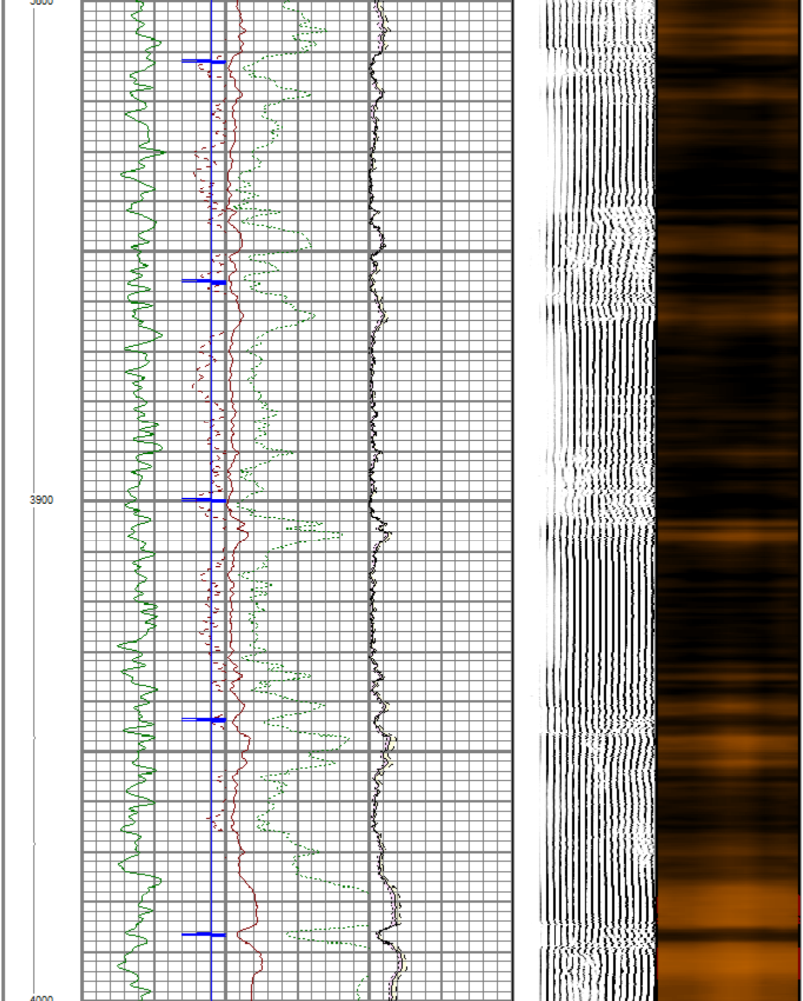
Database File	90263.db
Dataset Pathname	pass3
Presentation Format	rbl18
Dataset Creation	Wed Nov 20 12:40:36 2019
Charted by	Depth in Feet scaled 1:240

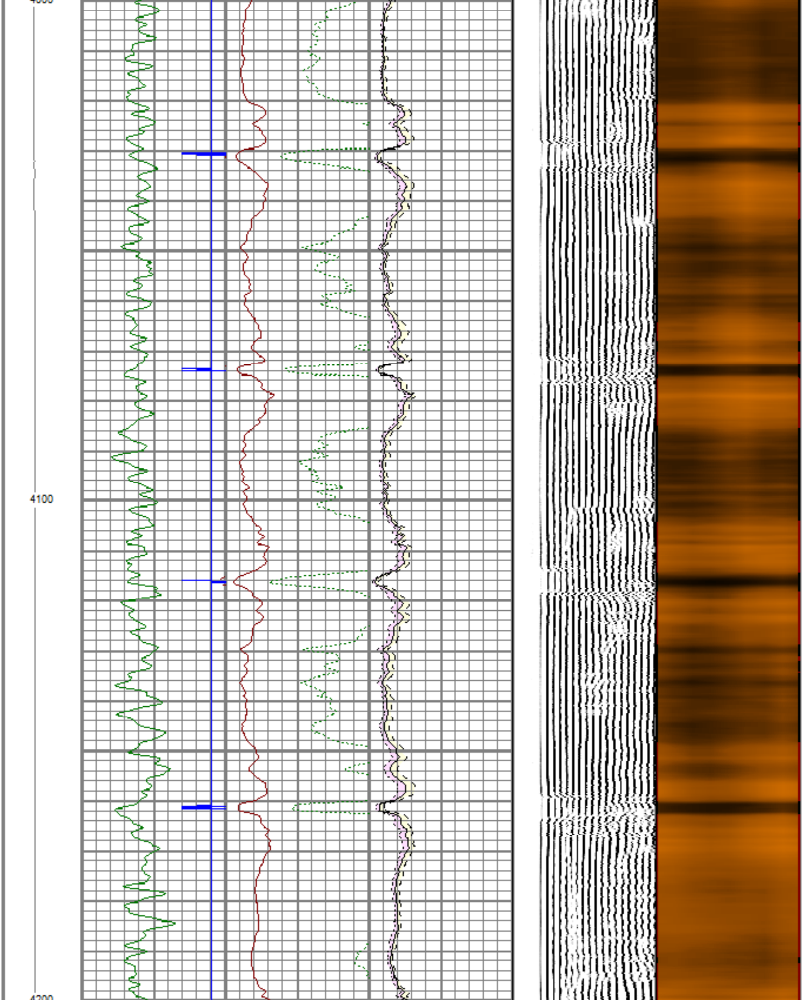


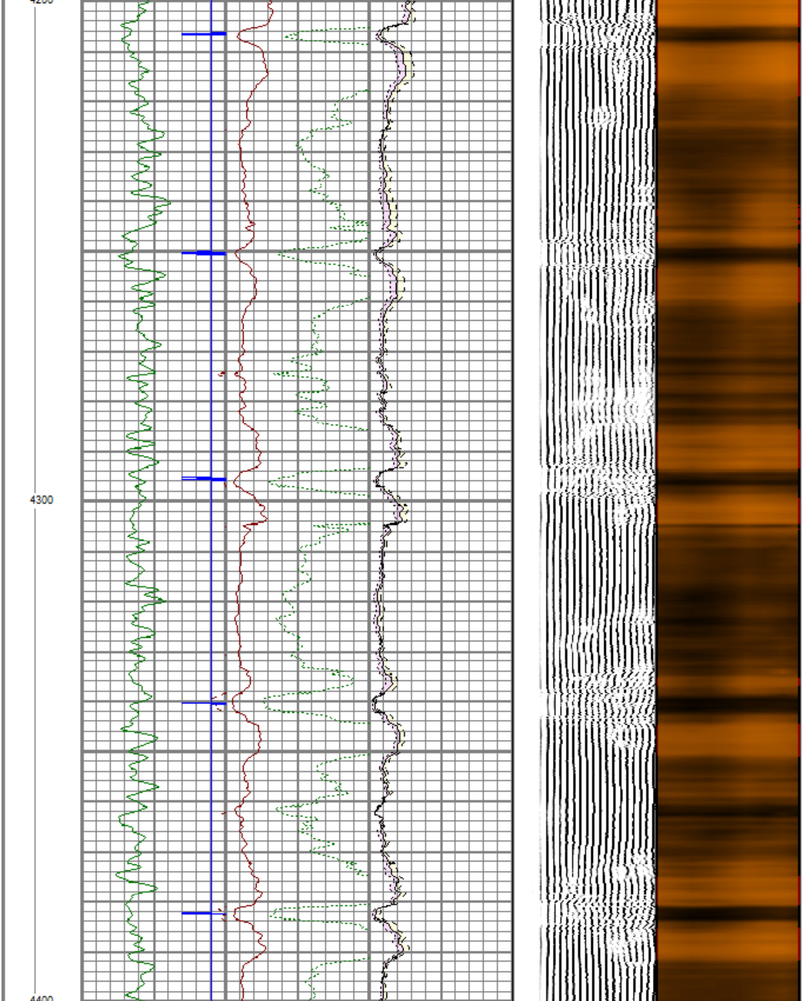


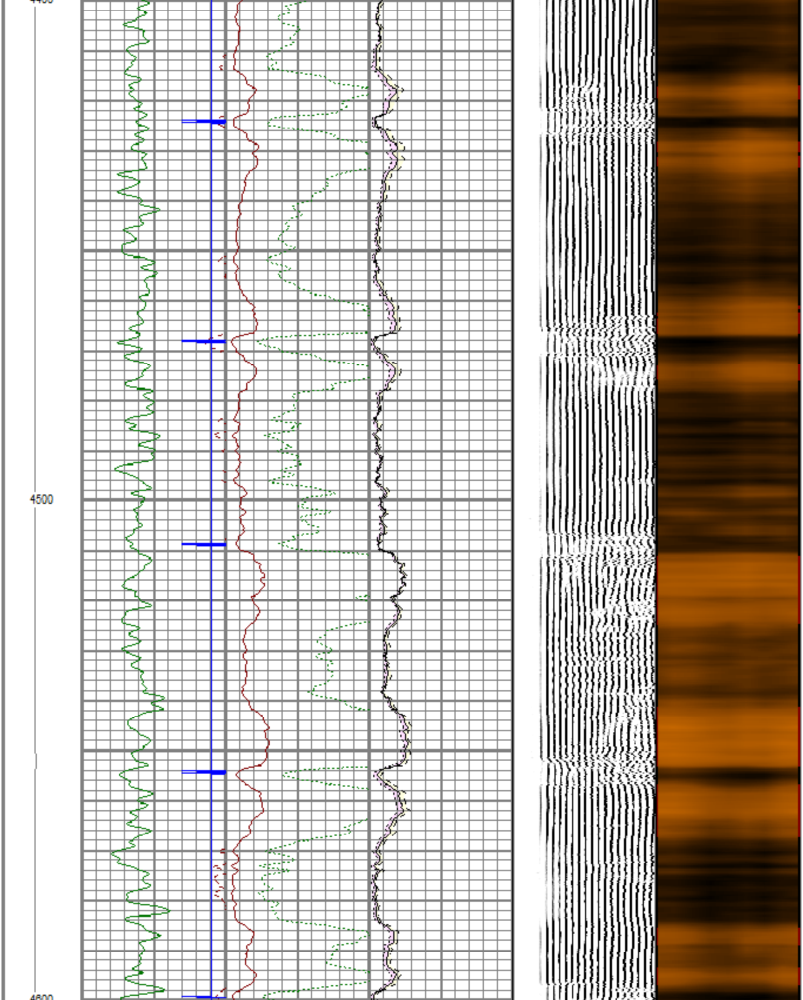


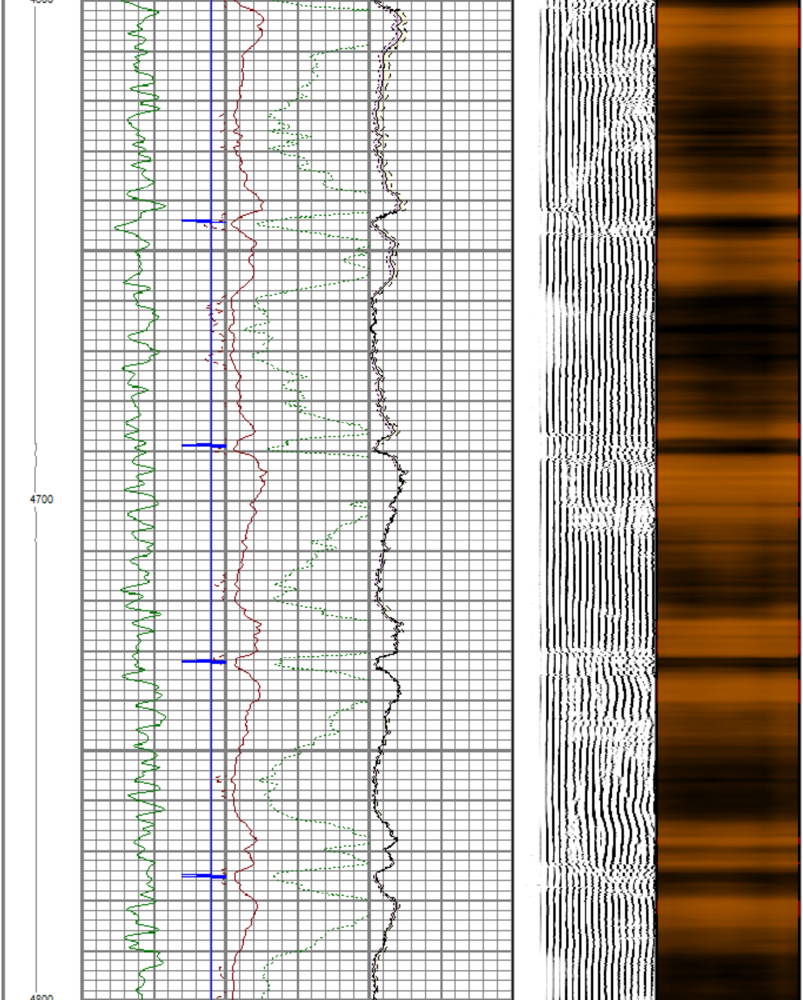


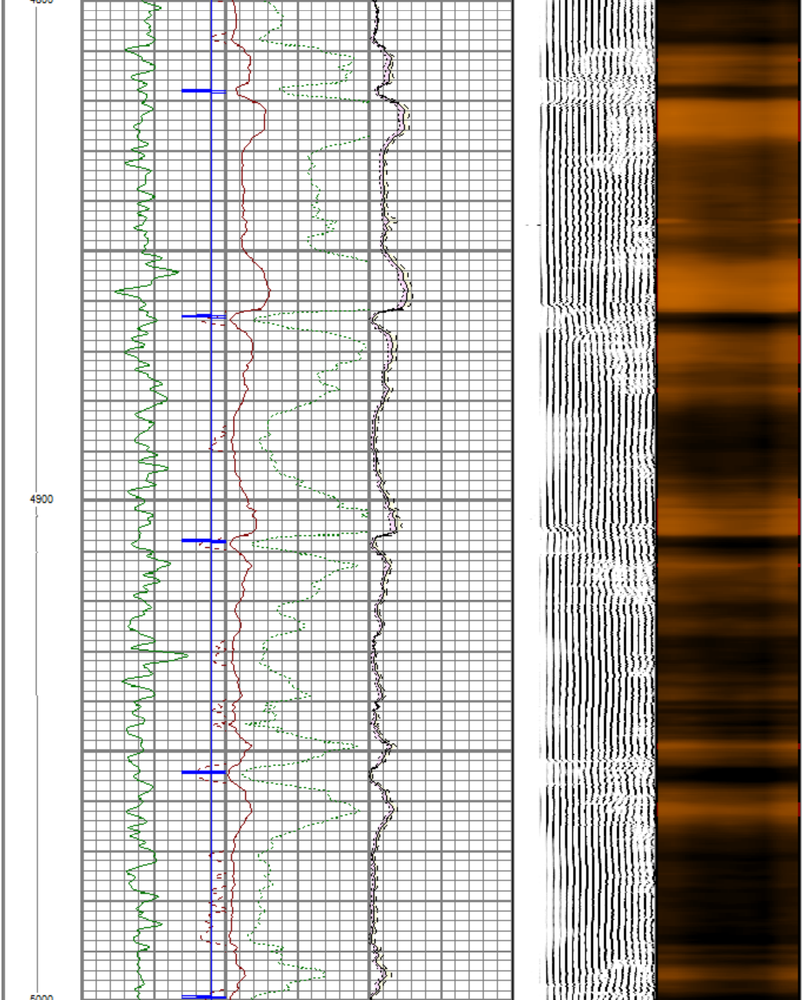


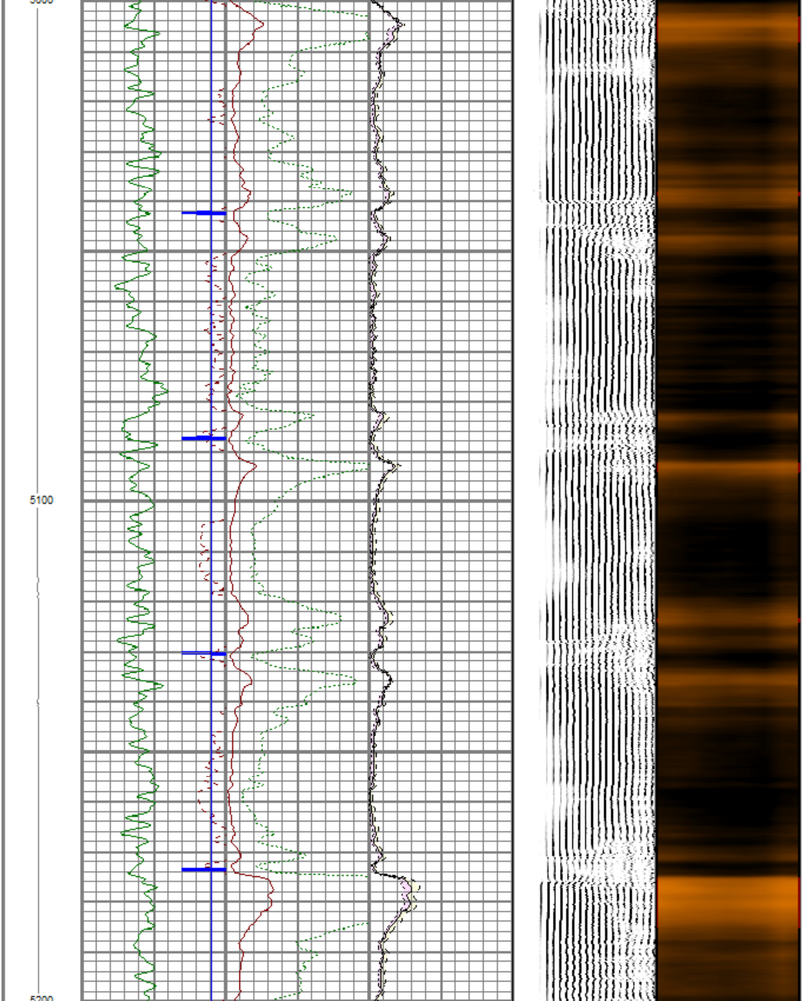


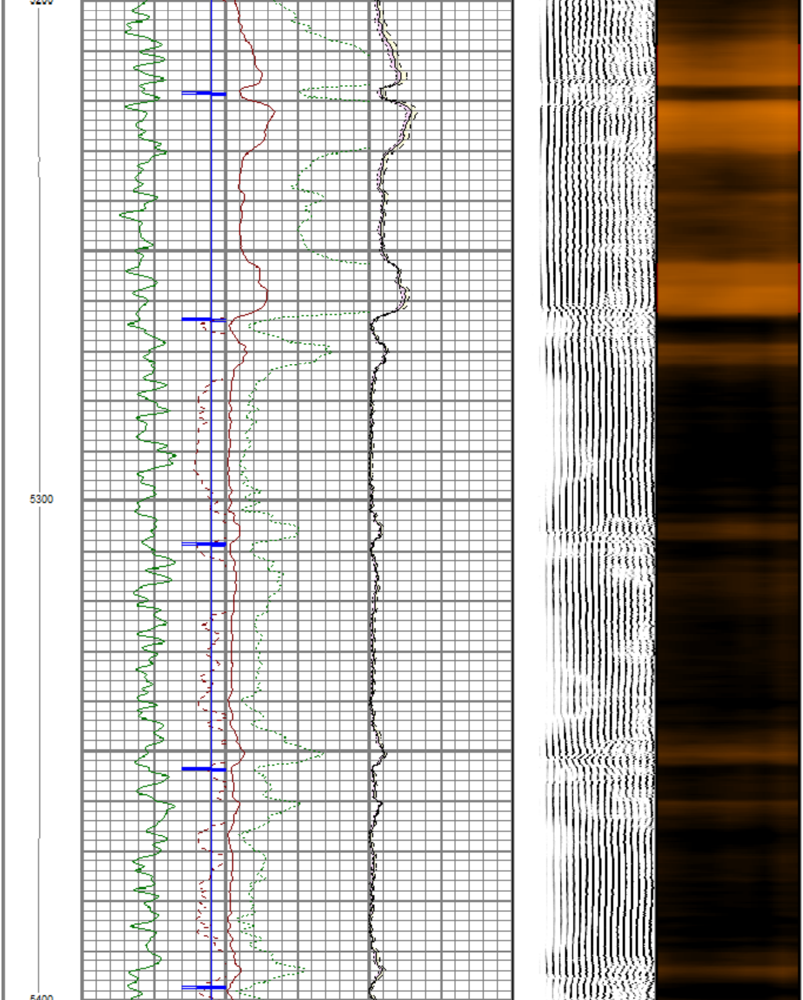


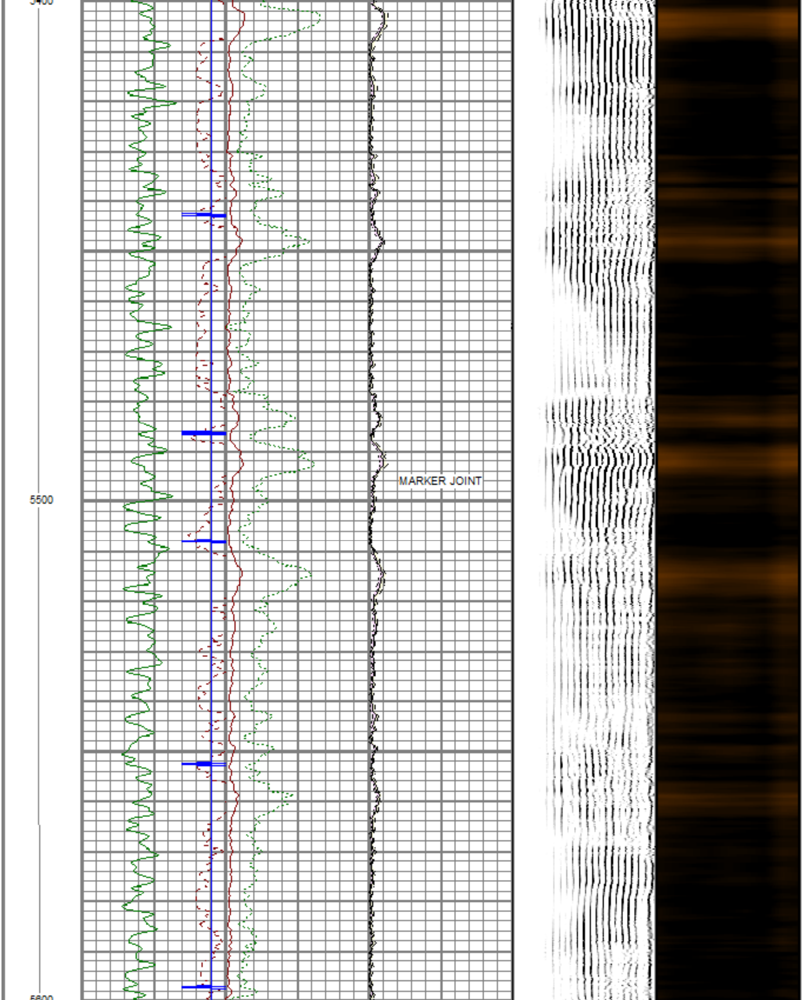


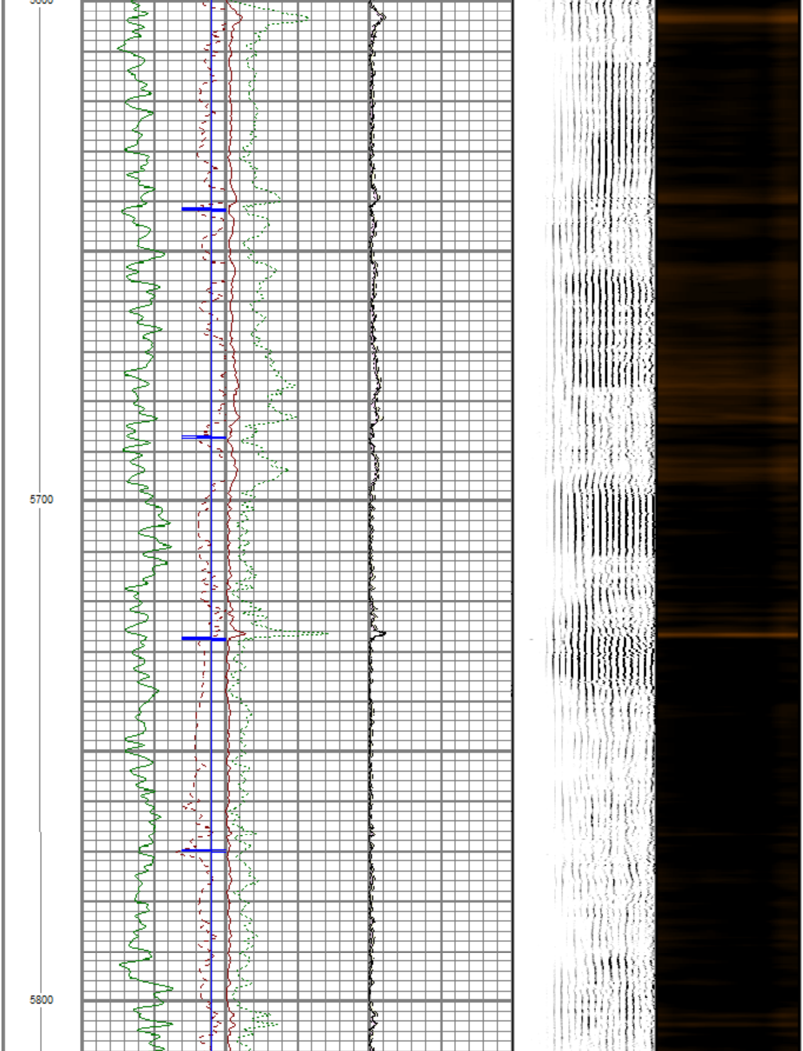


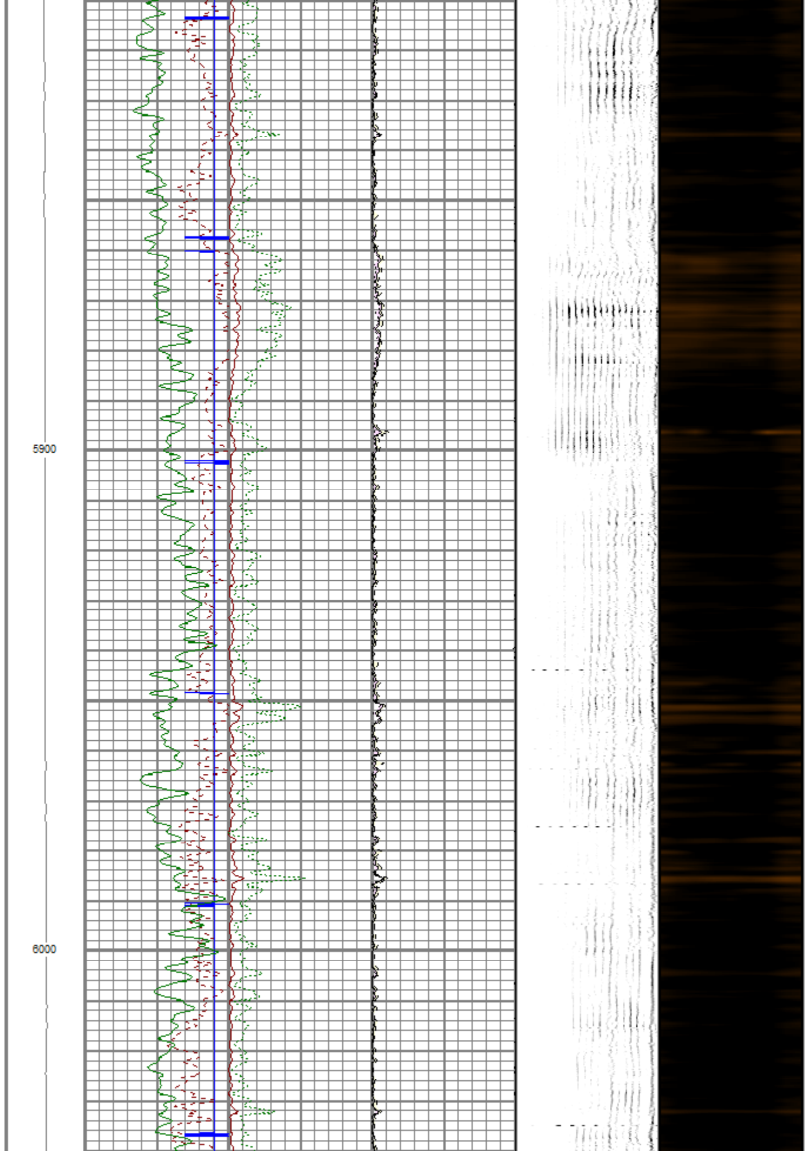


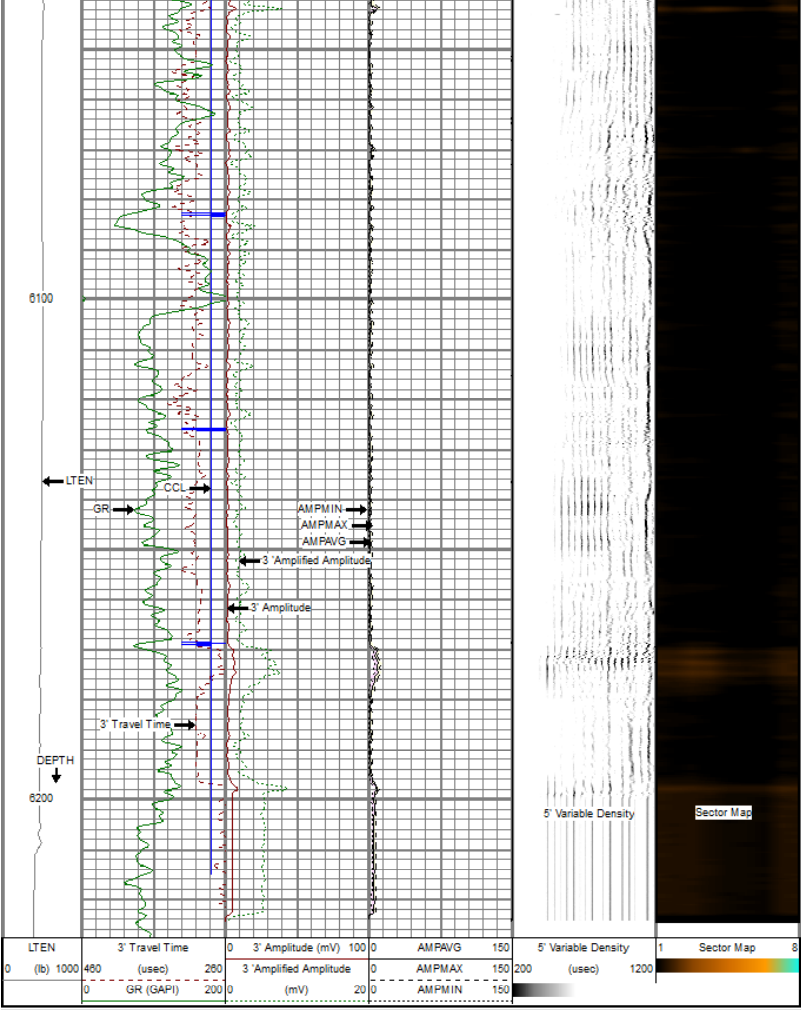










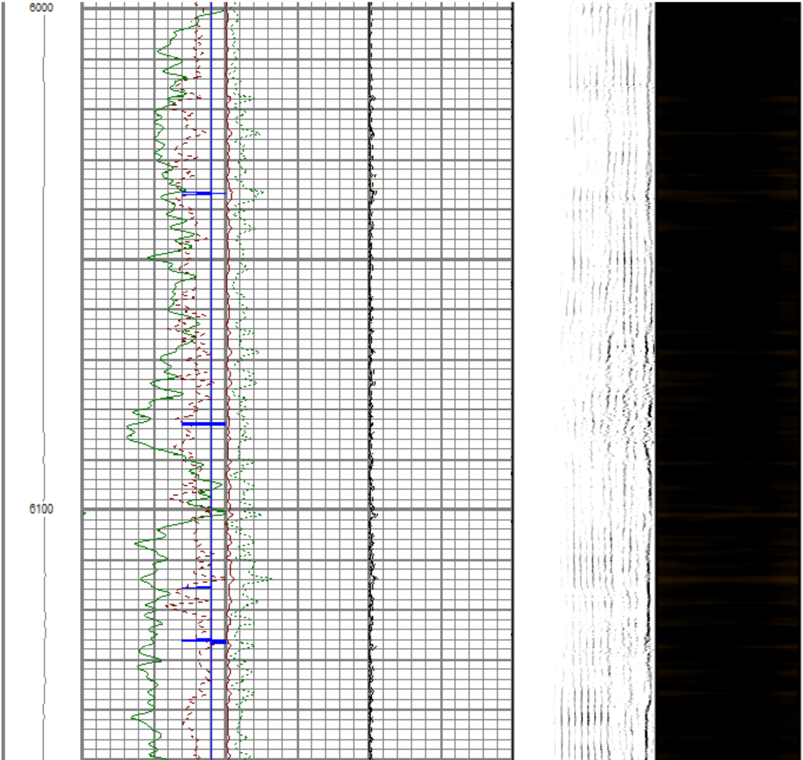


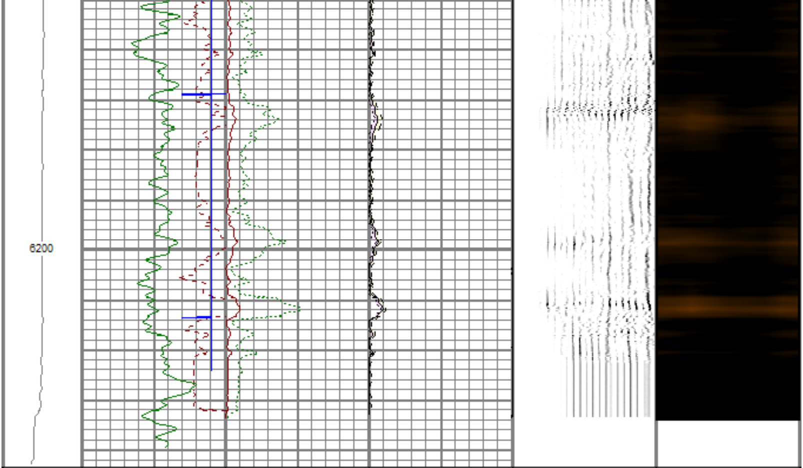
MAIN PASS 0 PSI

REPEAT PASS 0 PI

Database File	90263.db
Dataset Pathname	pass2
Presentation Format	rbl18
Dataset Creation	Wed Nov 20 12:34:51 2019
Charted by	Depth in Feet scaled 1:240

LTEN	3' Travel Time	0 3' Amplitude (mV) 100	0 AMPAVG 150	5' Variable Density	1 Sector Map 8
0 (lb) 1000	460 (usec) 260	3 'Amplified Amplitude	0 AMPMAX 150	200 (usec) 1200	
	0 GR (GAPI) 200	0 (mV) 20	0 AMPMIN 150		





LTEN	3' Travel Time	0 3' Amplitude (mV) 100	0 AMPAVG 150	5' Variable Density	1 Sector Map 8
0 (lb) 1000	460 (usec) 260	3 'Amplified Amplitude	0 AMPMAX 150	200 (usec) 1200	
	0 GR (GAPI) 200	0 (mV) 20	0 AMPMIN 150		

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REPEAT PASS 0 PSI