Company	HIGHPOINT RESOURCES
Well	RSU ANSCHUTZ FED 04-61-04-4040C
Field	BRIGGSDALE
County	WELD
State	CO

RCBL
GAMMA RAY / CCL

Company HIGHPOINT RESOURCES
Well RSU ANSCHUTZ FED 04-61-04-4040C
Field BRIGGSDALE
County WELD State CO

Location: API #: 05-123-46726-00
NWNW
1502' FNL & 205' FWL
SEC 04 TWP 4N RGE 61W

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 4501.5'
Log Measured From KB 16.5'
Drilling Measured From KELLY BUSHING

Elevation
K.B. 4518'
D.F. —
G.L. 4501.5'

Date	11-15-2019
Run Number	ONE
Depth Driller	17,153.4'
Depth Logger	NA
Bottom Logged Interval	6540'
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	0730
Time Logger on Bottom	0800
Equipment Number	216
Location	GREELEY, CO
Recorded By	S. KERBY
Witnessed By	ANDREW PEFTOOM

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	863.3'
Prot. String	7"	23#	SURFACE	6706'
Production String	4.5"	11.6#	SURFACE	17,153.4'
Liner				

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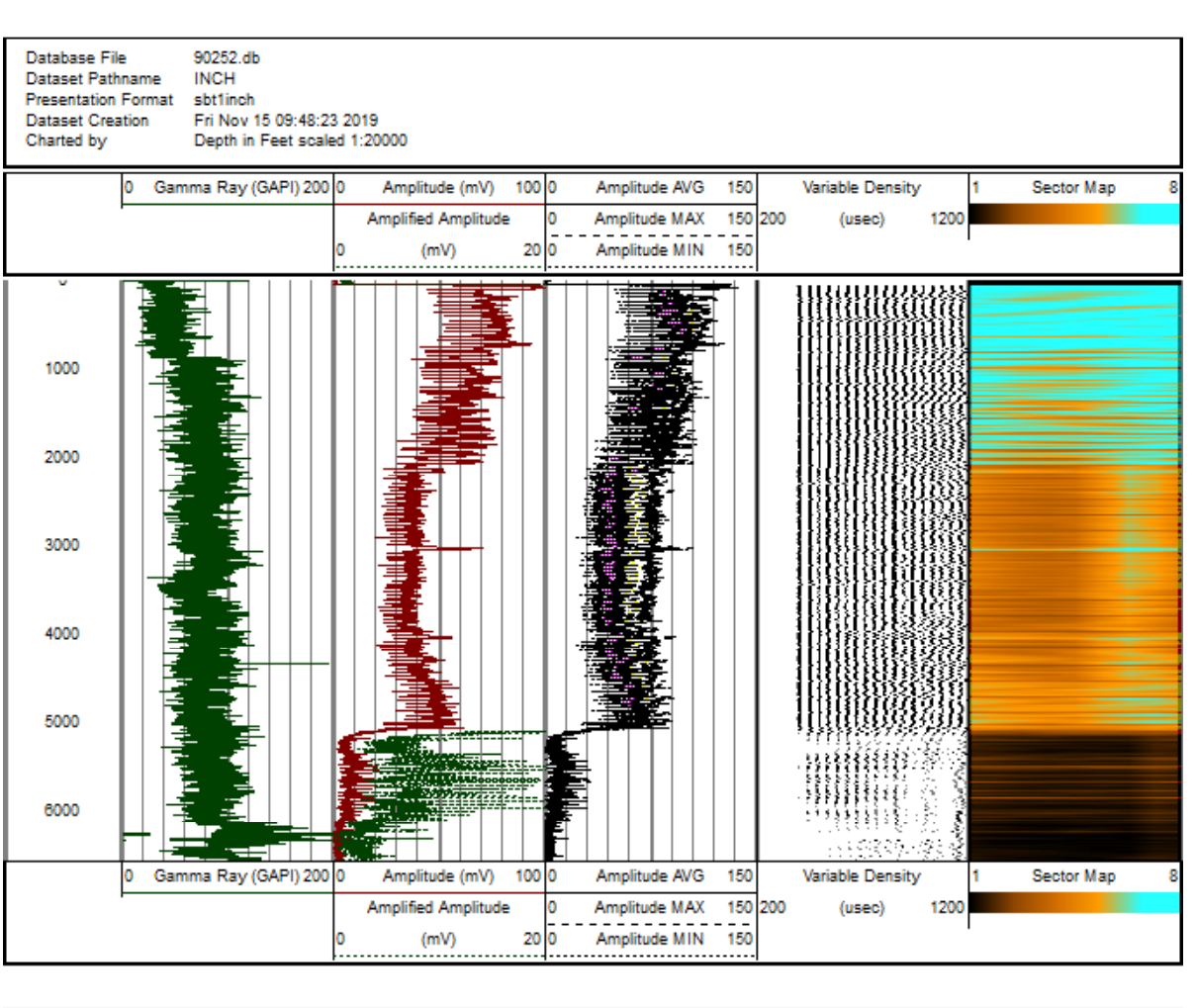
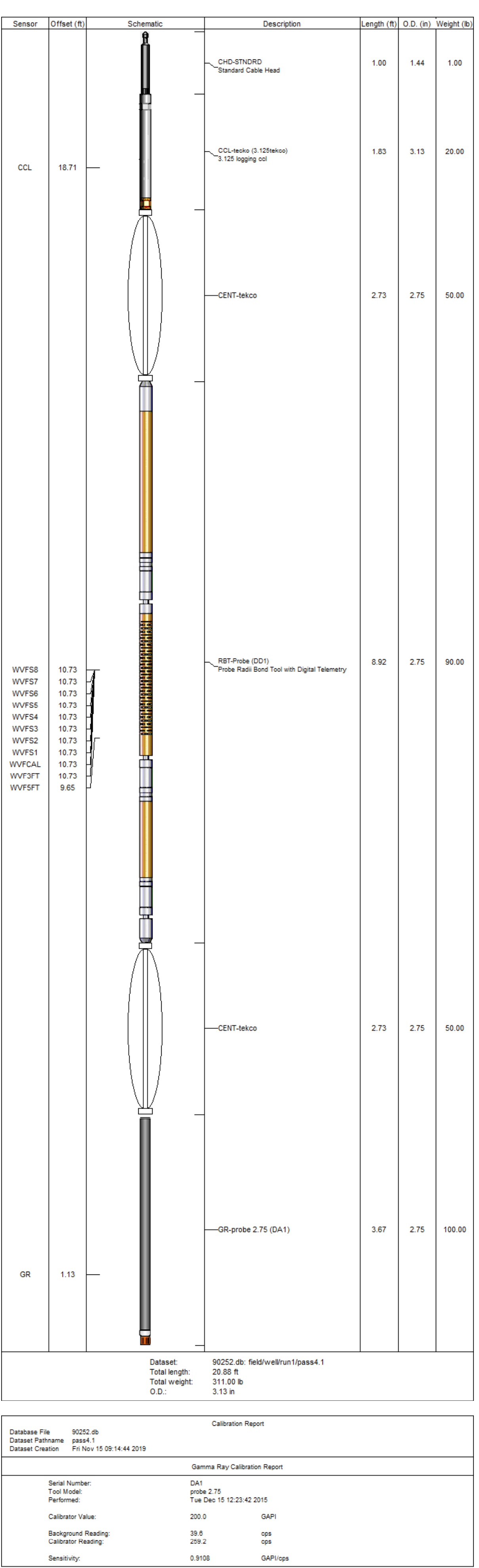
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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	90252.db
Dataset Pathname	INCH
Presentation Format	sbt1inch
Dataset Creation	Fri Nov 15 09:48:23 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
		CENT-tekco	2.73	2.75	50.00
		CENT-tekco	2.73	2.75	50.00
GR	1.13	GR-probe 2.75 (DA1)	3.67	2.75	100.00

Dataset:	90252.db: field/well/run1/pass4.1
Total length:	20.88 ft
Total weight:	311.00 lb
O.D.:	3.13 in

Calibration Report

Database File	90252.db
Dataset Pathname	pass4.1
Dataset Creation	Fri Nov 15 09:14:44 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:	539.762	ft

Master Calibration, performed Fri Nov 15 07:39:03 2019:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.009	0.682	1.500	81.196	118.383	0.409
CAL	0.013	0.991				
5'	0.009	0.647	1.500	81.196	124.920	0.390
SUM						
S1	0.010	0.678	0.000	100.000	149.659	-1.483
S2	0.010	0.681	0.000	100.000	148.981	-1.486
S3	0.010	0.680	0.000	100.000	149.352	-1.544
S4	0.010	0.677	0.000	100.000	149.938	-1.523
S5	0.009	0.677	0.000	100.000	149.724	-1.407
S6	0.009	0.669	0.000	100.000	151.538	-1.349
S7	0.009	0.668	0.000	100.000	151.755	-1.312
S8	0.009	0.670	0.000	100.000	151.348	-1.358

Internal Reference Calibration, performed (Not Performed):

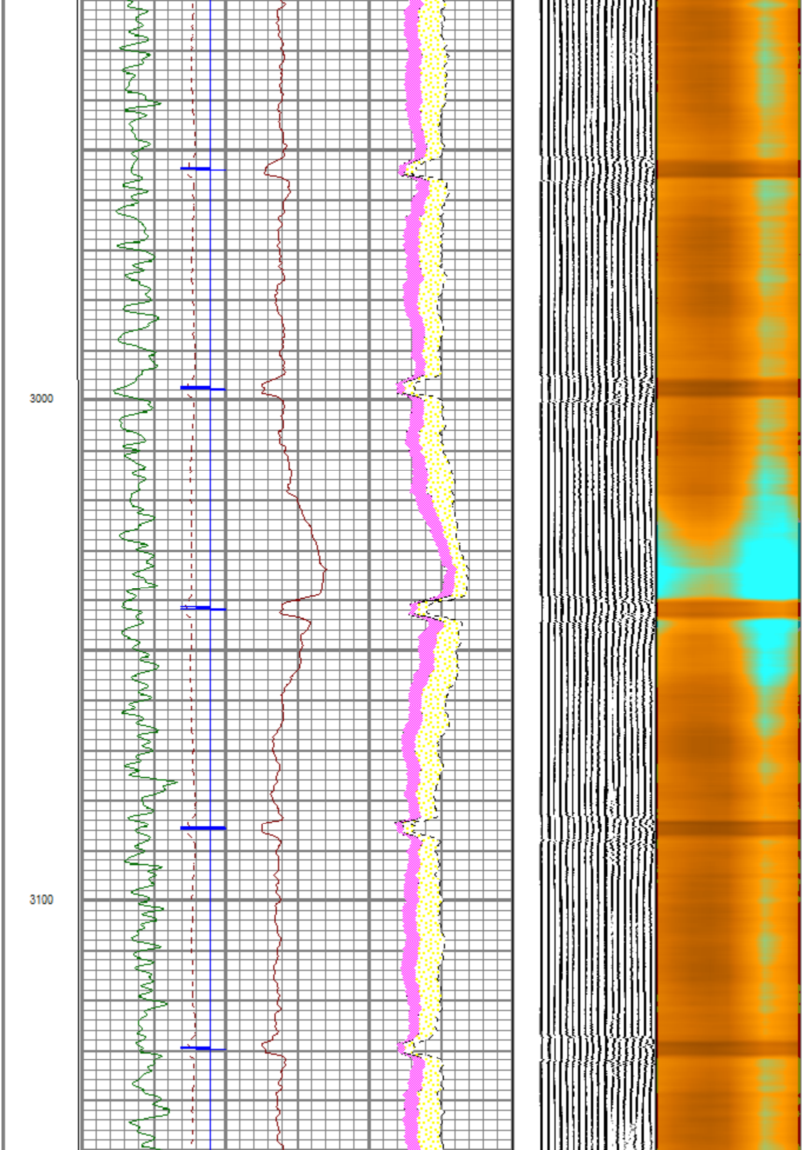
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.013	0.991	1.000	0.000

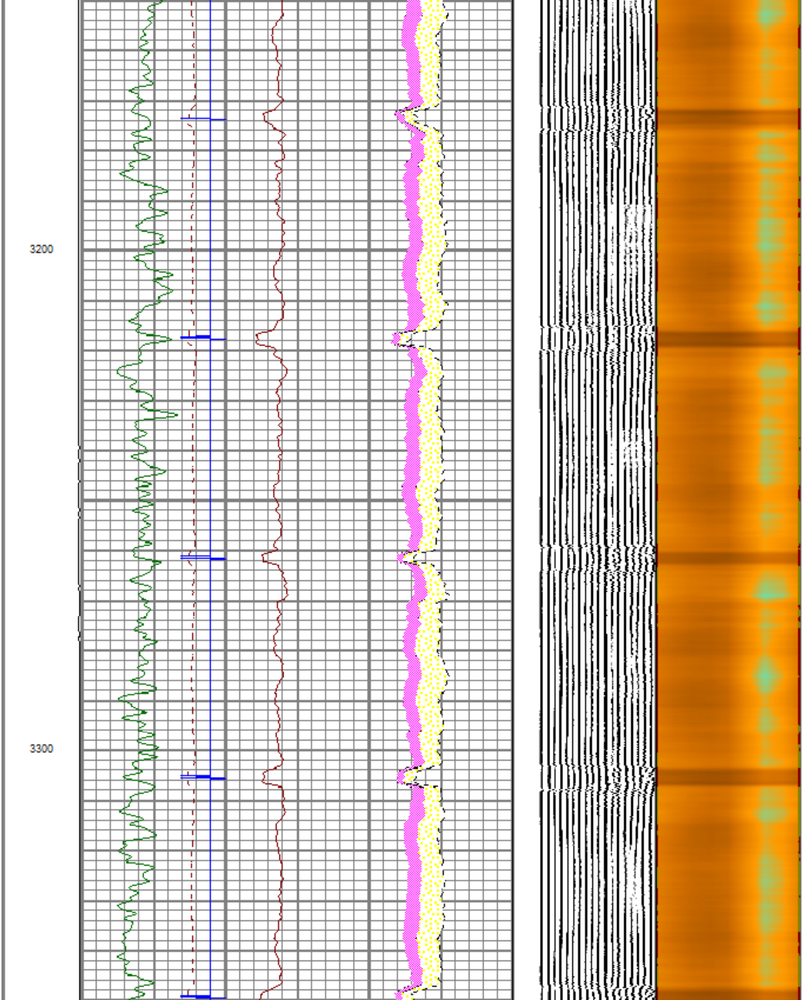
Air Zero Calibration, performed Fri Nov 15 07:22:44 2019:

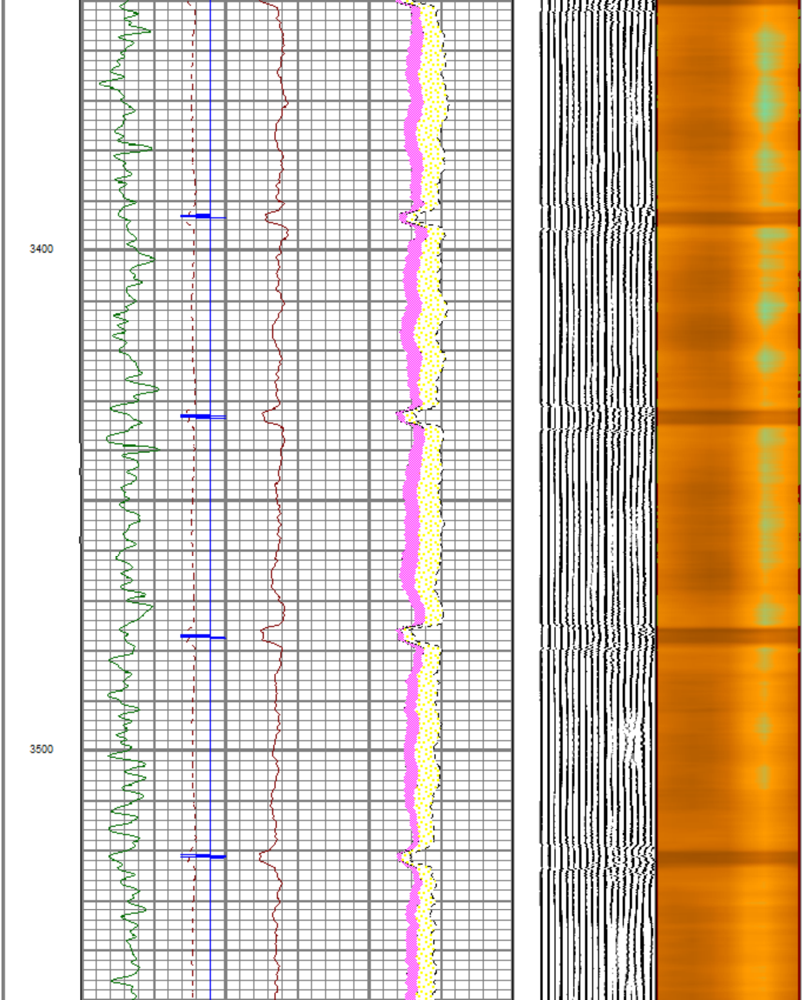
	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

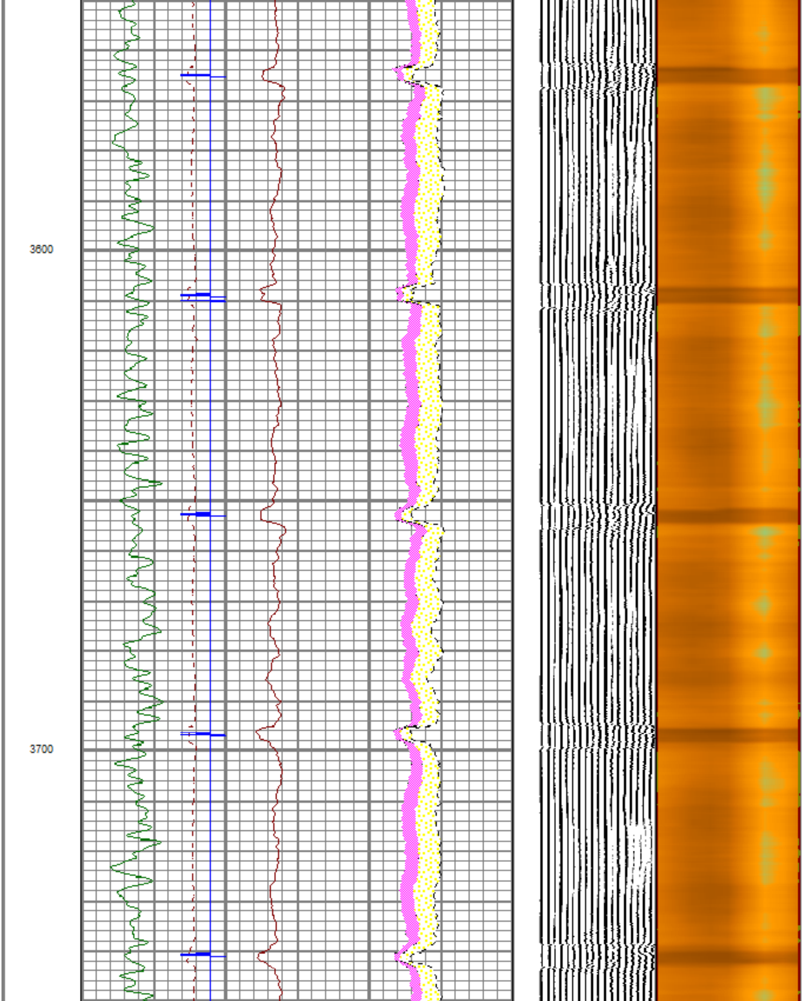
MAIN PASS 0 PSI

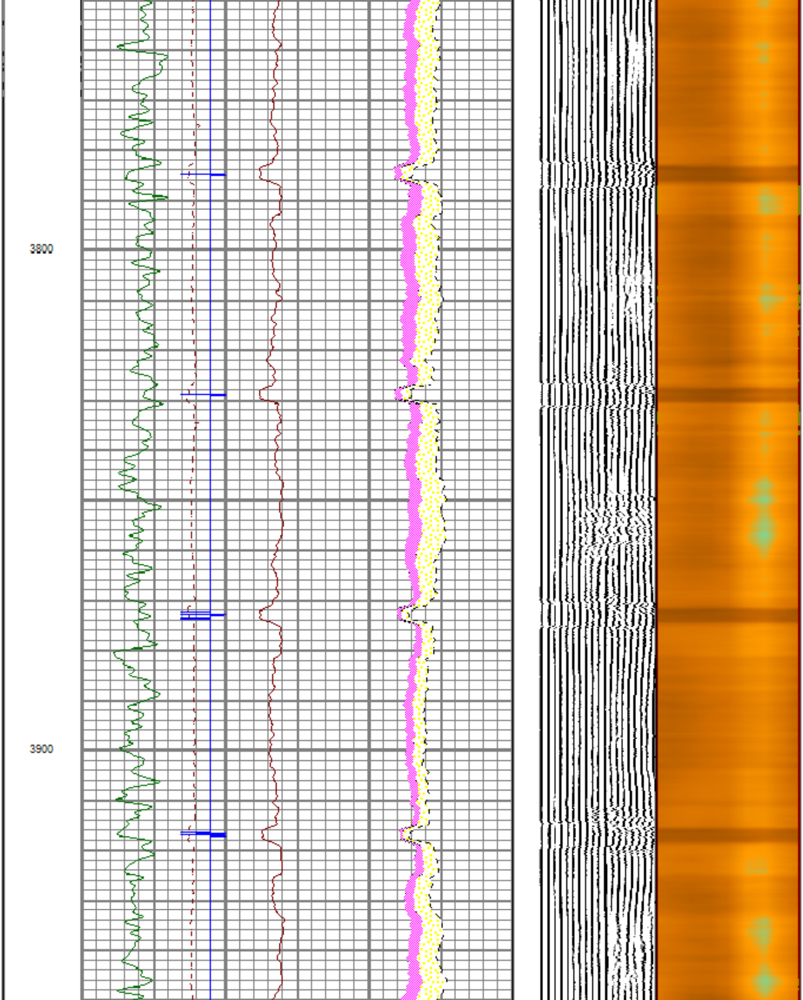
Database File	90252.db
Dataset Pathname	pass4.1
Presentation Format	rbl
Dataset Creation	Fri Nov 15 09:14:44 2019
Charted by	Depth in Feet scaled 1:240

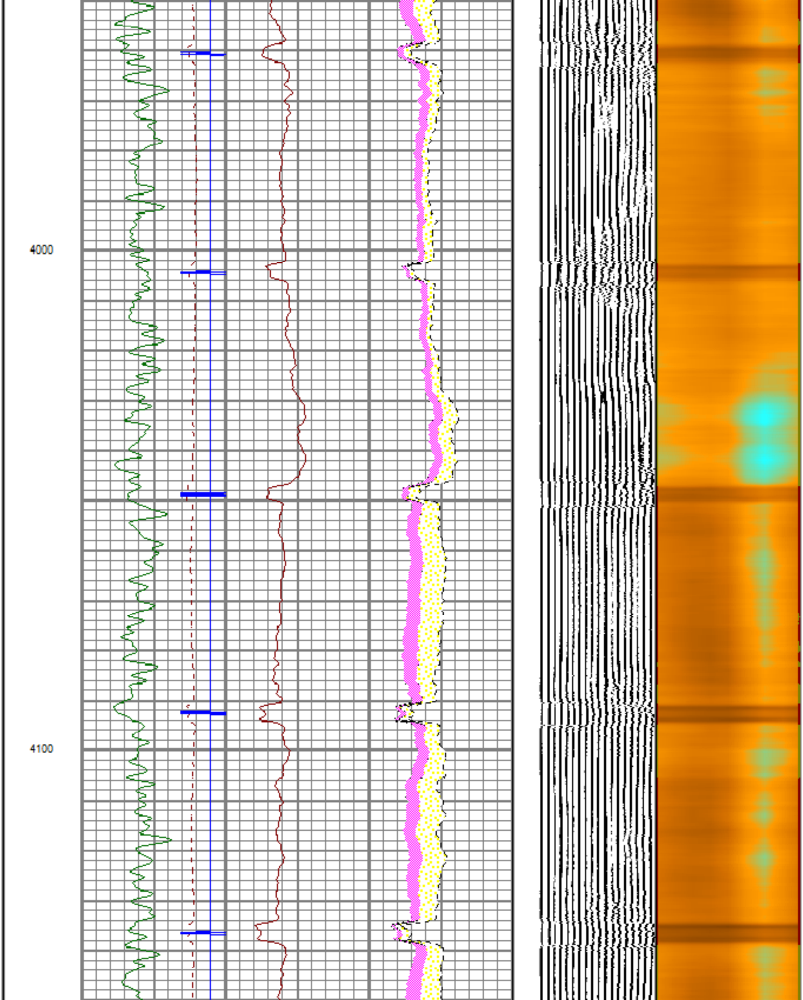


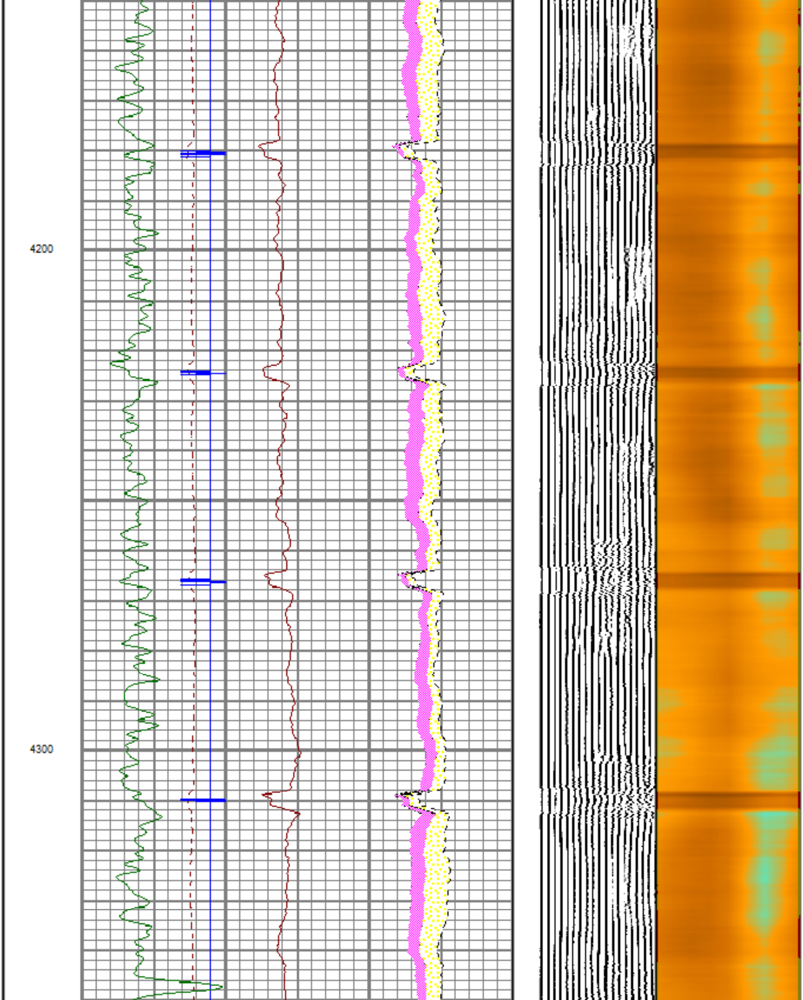


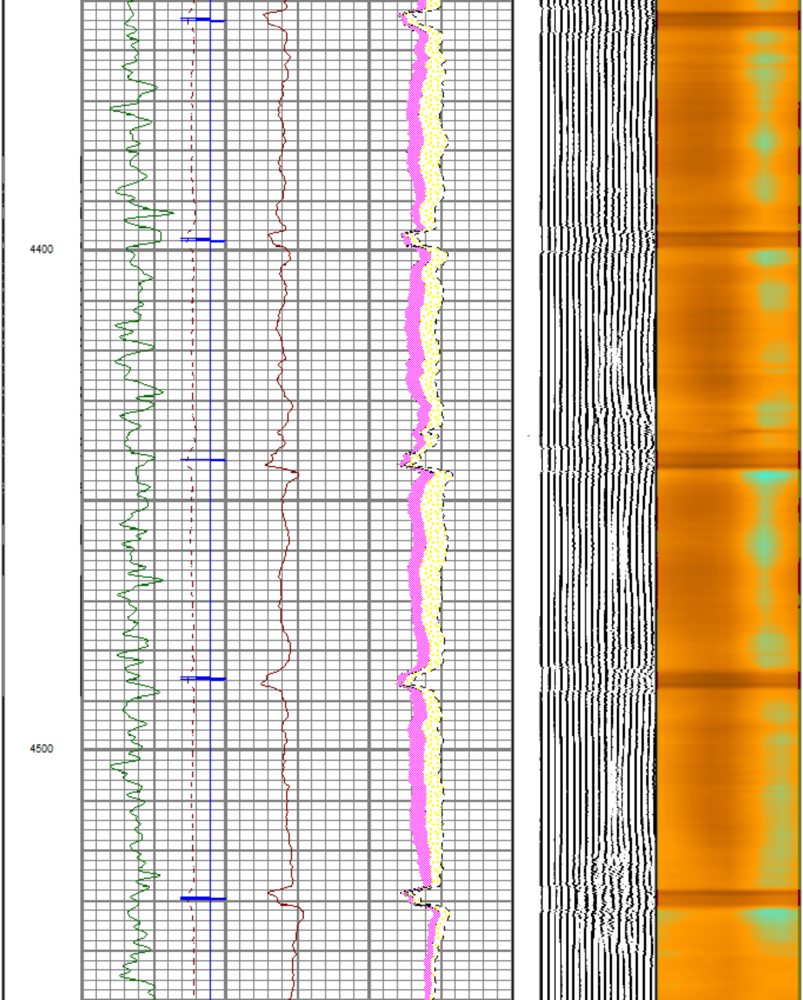


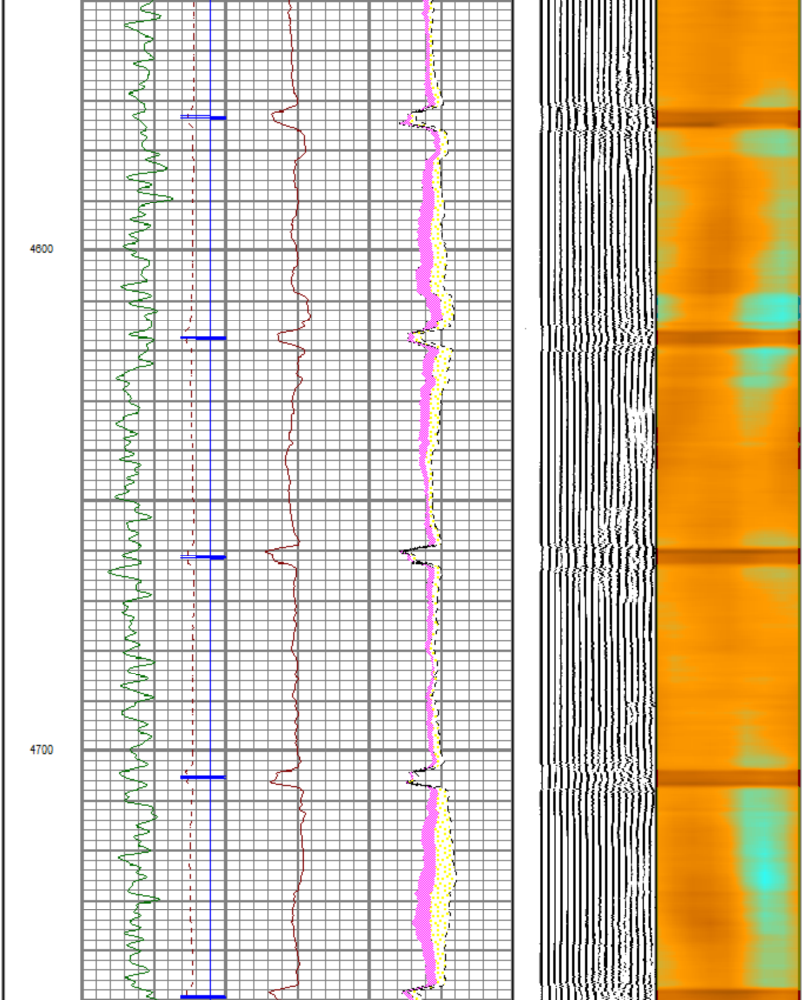


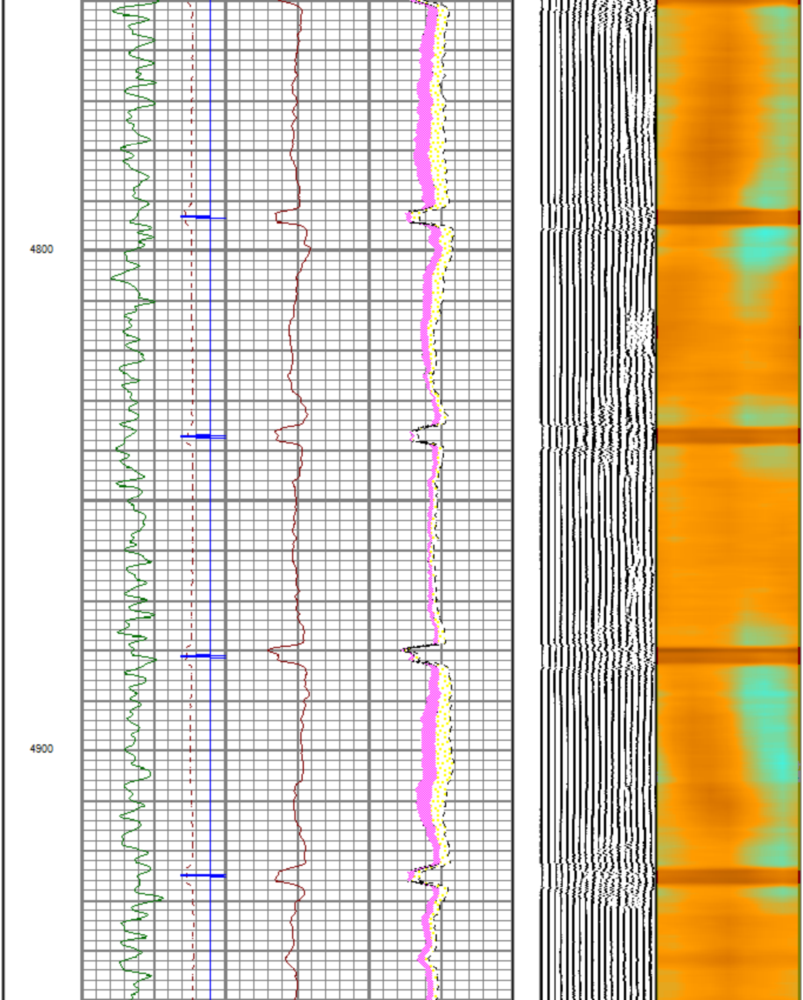


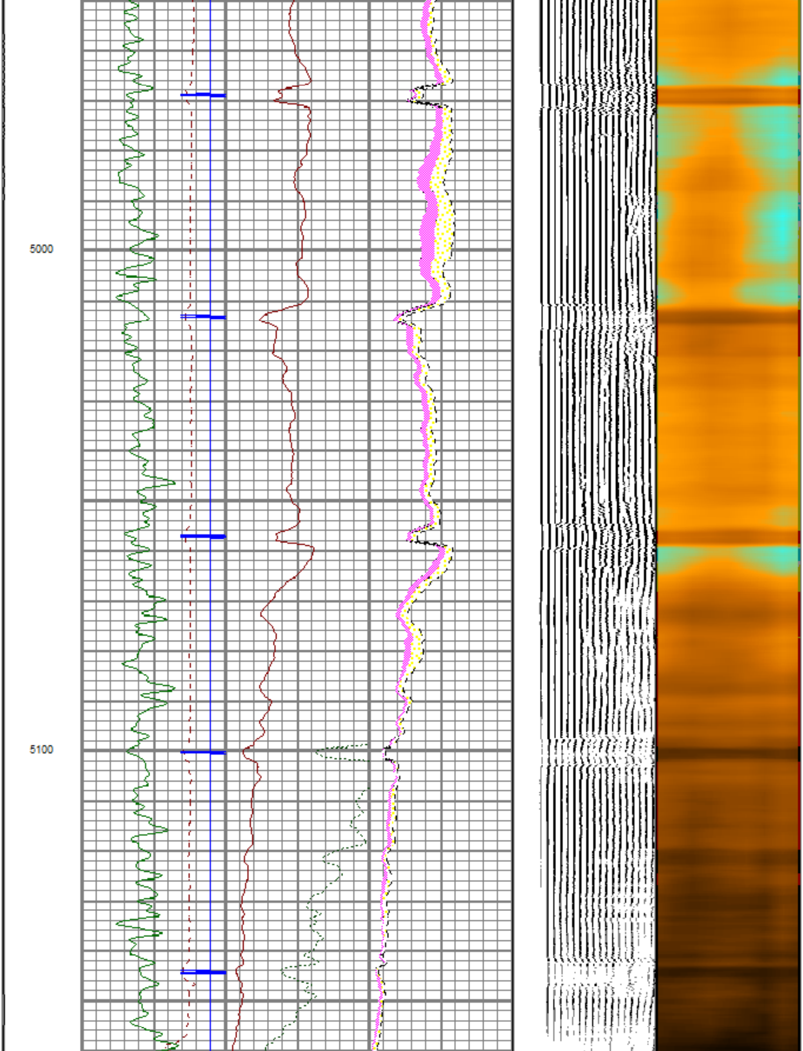


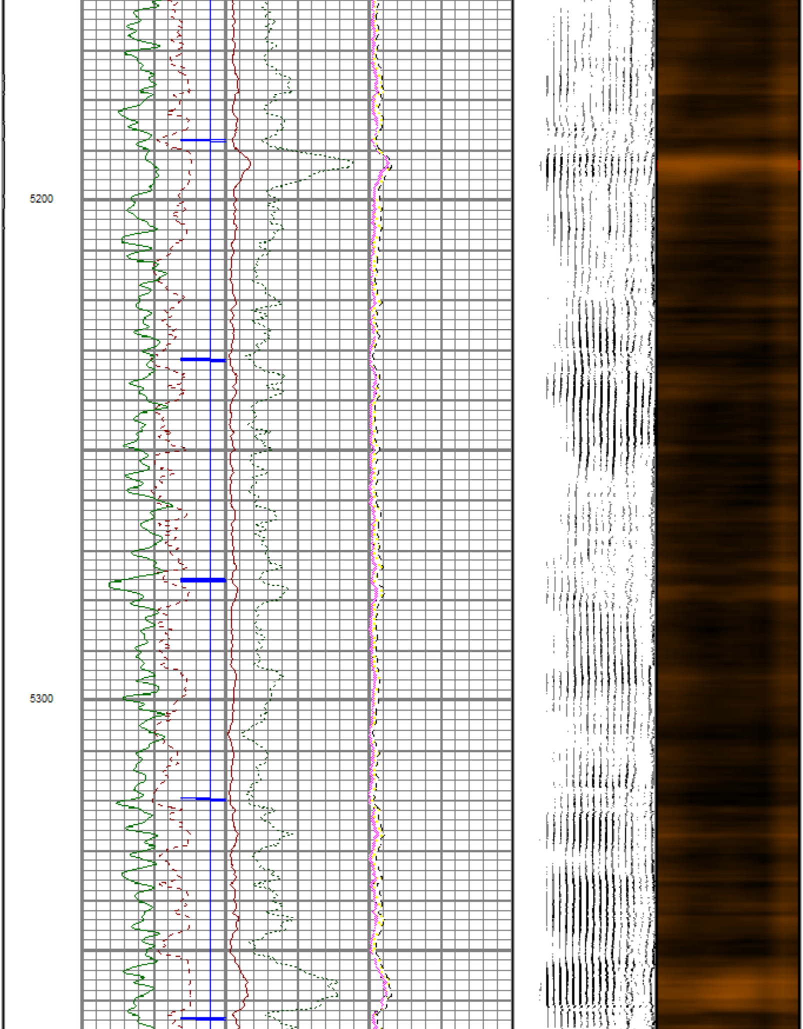


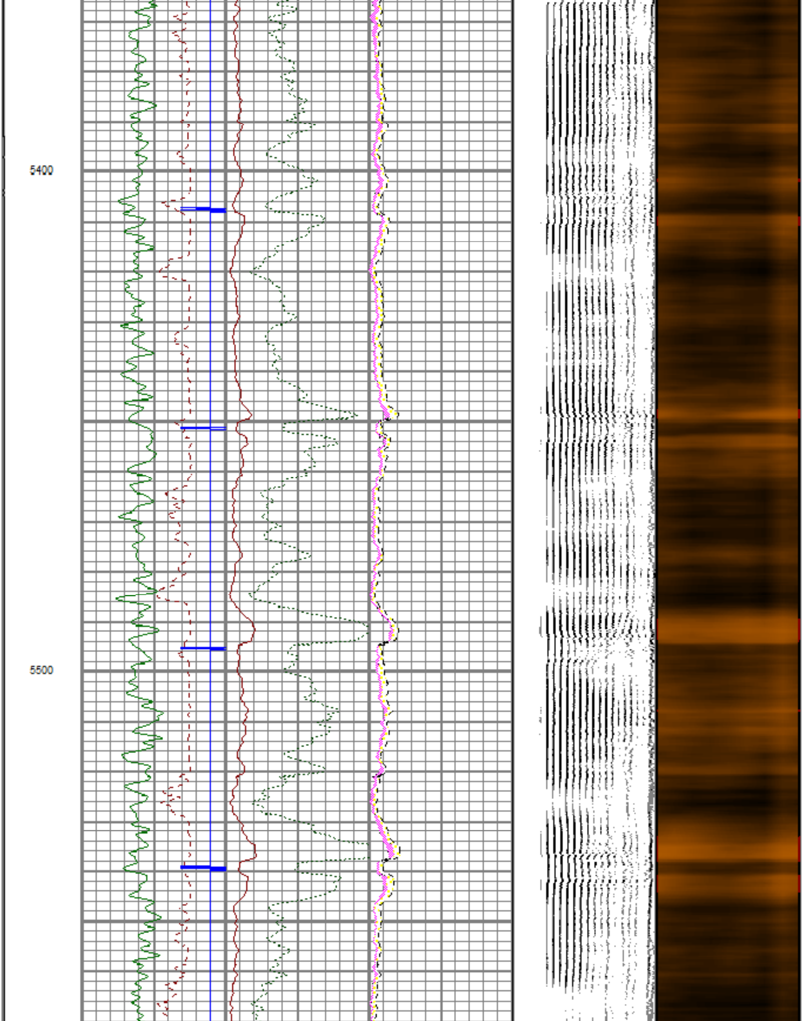


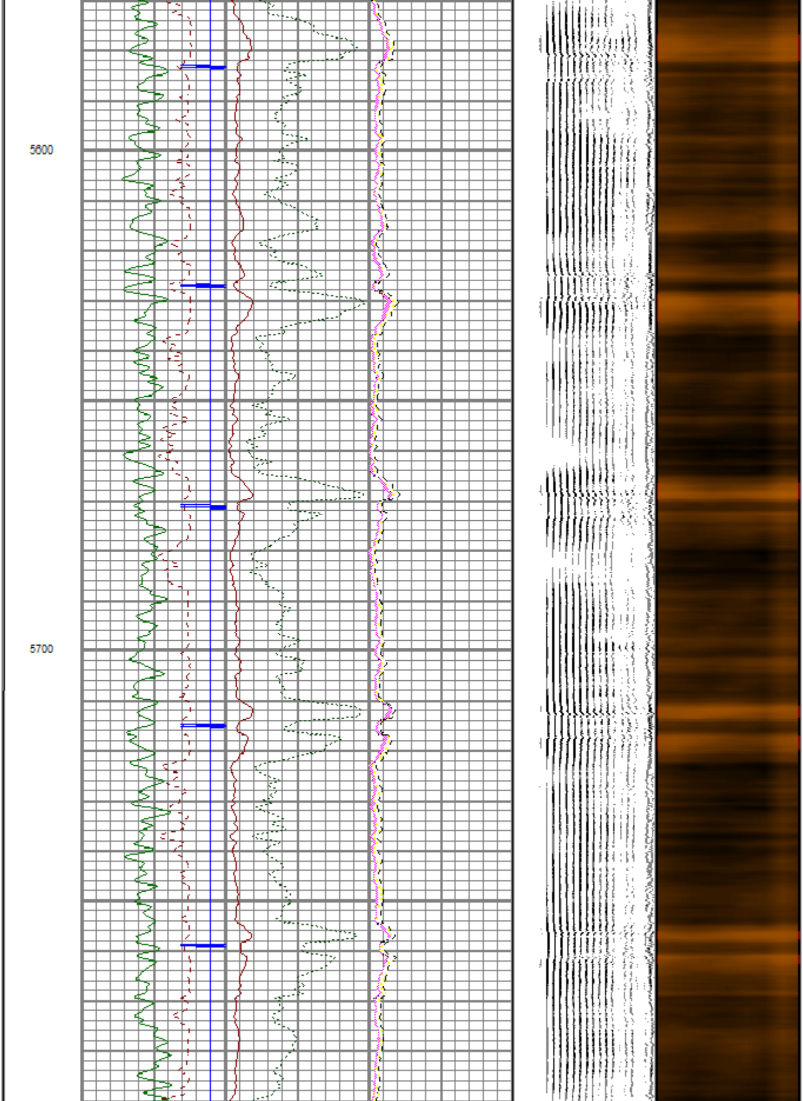


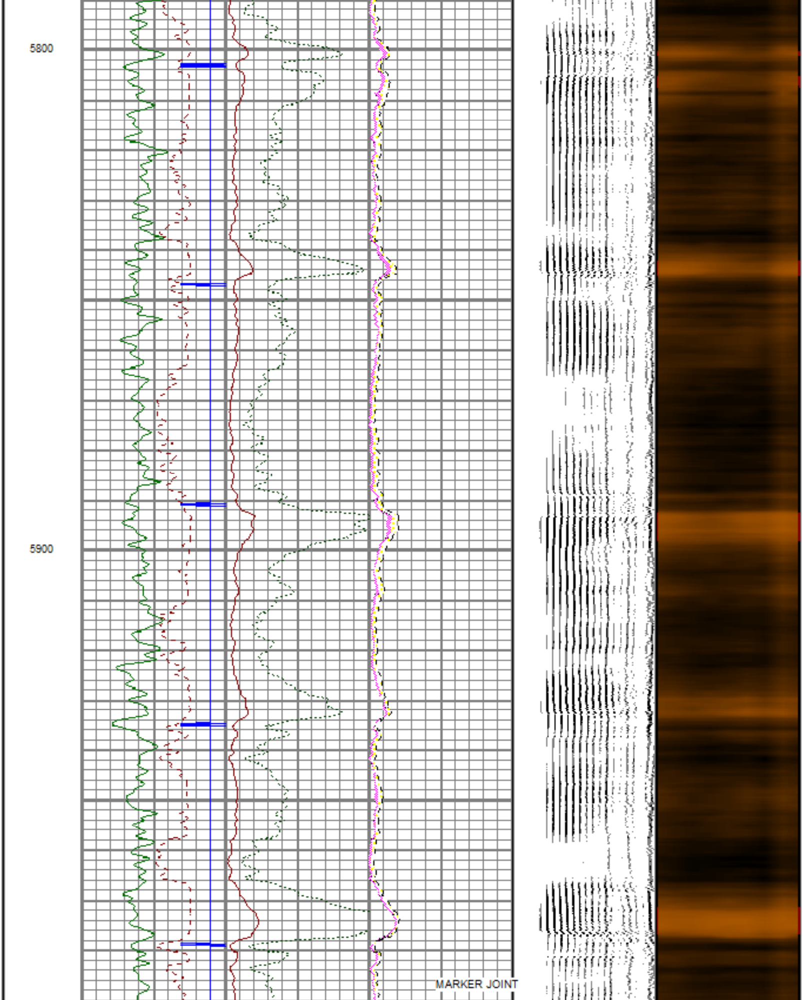


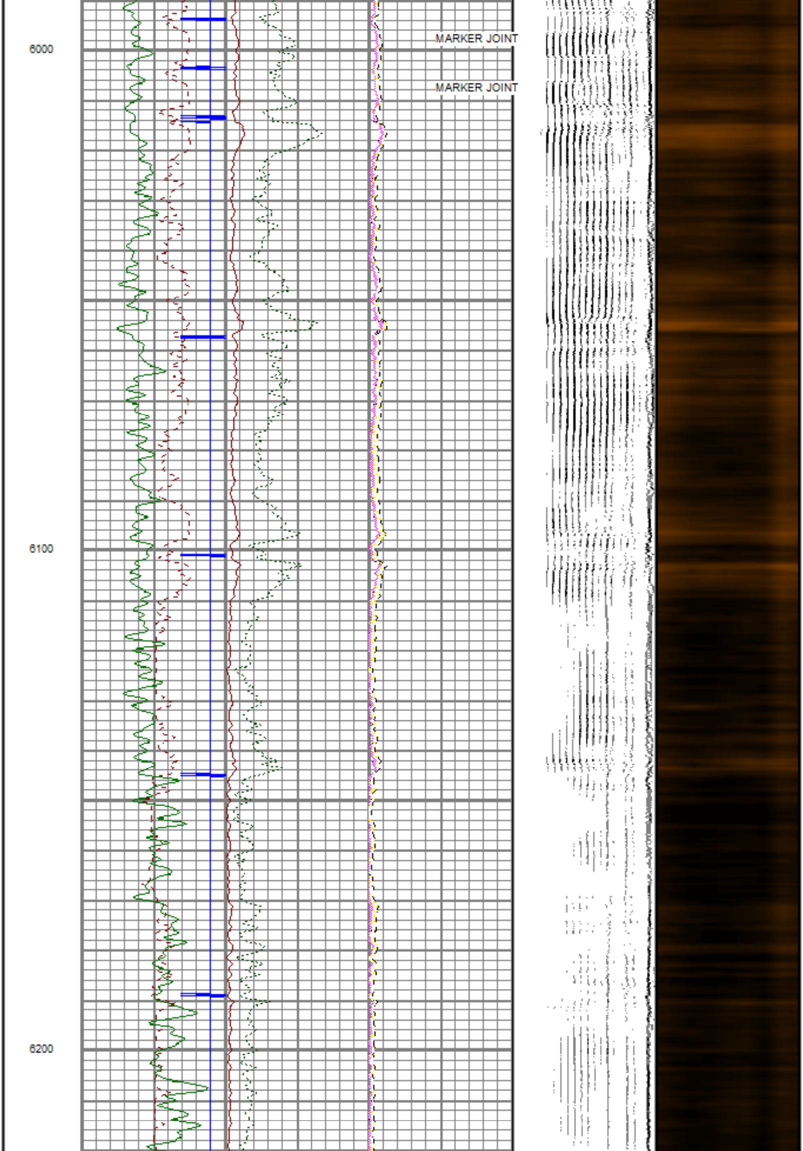


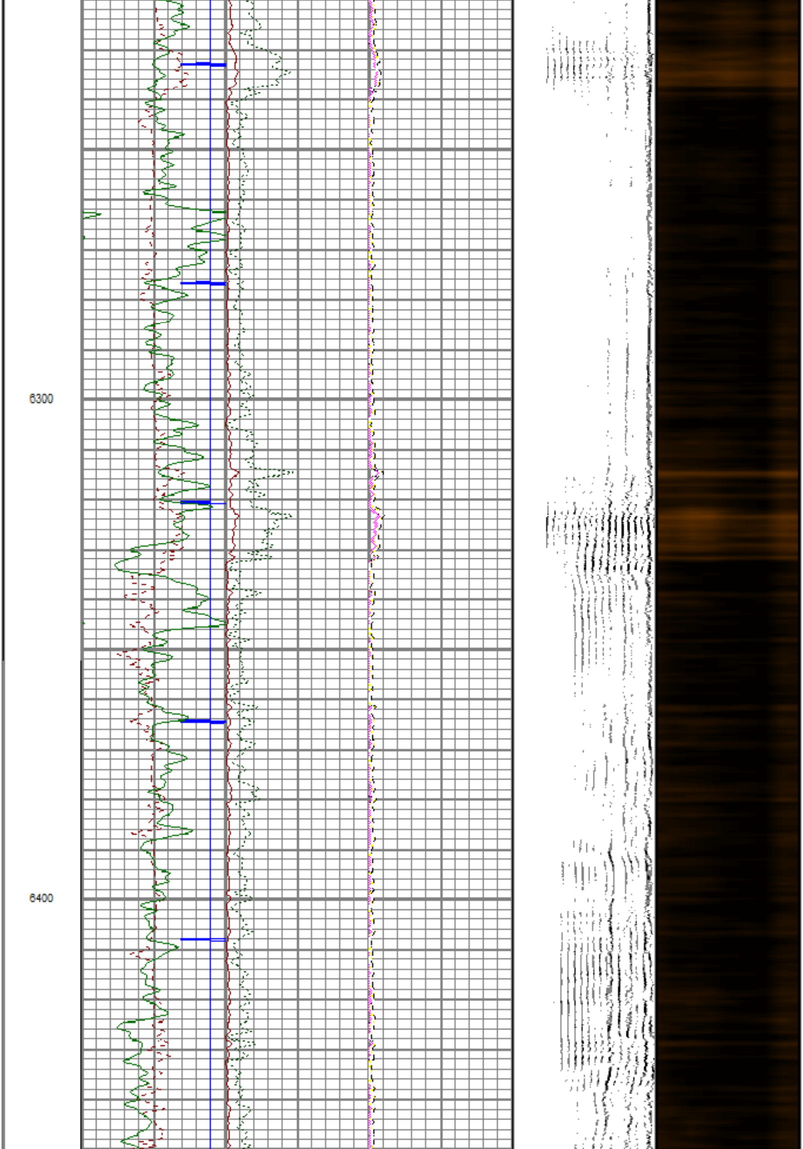


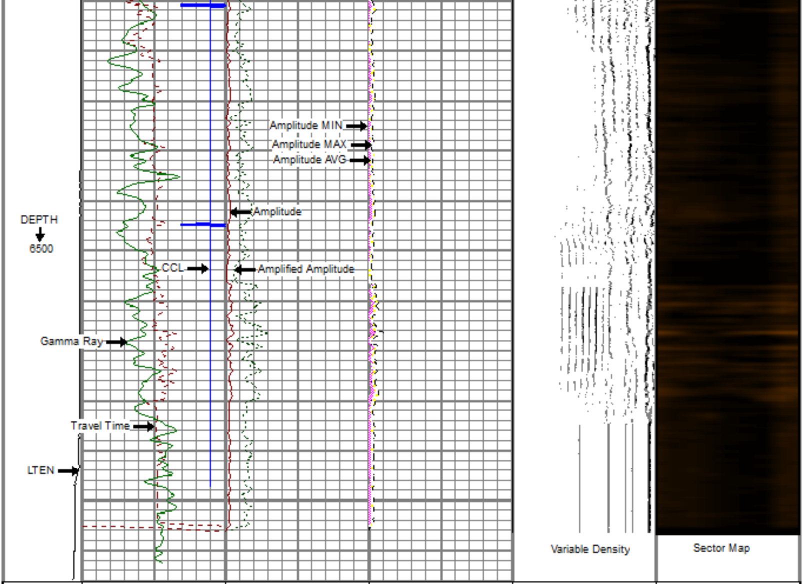












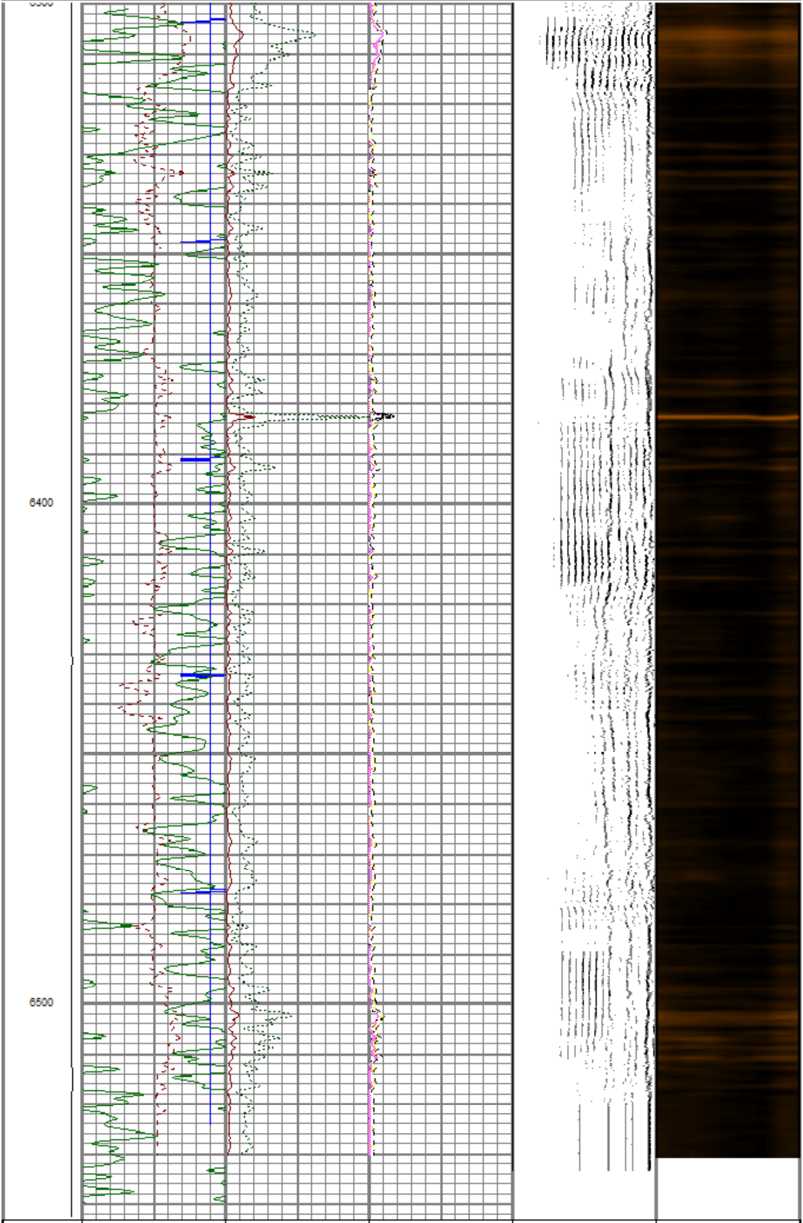
LTEN	Travel Time	0 Amplitude (mV) 100	0 Amplitude AVG 150	Variable Density	1 Sector Map 8
0 (lb) 1000	400 (usec) 200	Amplified Amplitude	0 Amplitude MAX 150	200 (usec) 1200	
	Casing Collar Locator	0 (mV) 20	0 Amplitude MIN 150		
	-9 1.05				
	0 Gamma Ray (GAPI) 200				

MAIN PASS 0 PSI

REPEAT PASS 0 PSI

Database File	90252.db
Dataset Pathname	REPEAT
Presentation Format	rbl
Dataset Creation	Fri Nov 15 09:44:19 2019
Charted by	Depth in Feet scaled 1:240

LTEN	Travel Time	0 Amplitude (mV) 100	0 Amplitude AVG 150	Variable Density	1 Sector Map 8
0 (lb) 1000	400 (usec) 200	Amplified Amplitude	0 Amplitude MAX 150	200 (usec) 1200	
	Casing Collar Locator	0 (mV) 20	0 Amplitude MIN 150		
	-9 1.05				
	0 Gamma Ray (GAPI) 100				



LTEN	Travel Time	0 Amplitude (mV) 100	0 Amplitude AVG 150	Variable Density	1 Sector Map 8
0 (lb) 1000	400 (usec) 200	Amplified Amplitude	0 Amplitude MAX 150	200 (usec) 1200	
	Casing Collar Locator	0 (mV) 20	0 Amplitude MIN 150		
	-9 1.05				
	0 Gamma Ray (GAPI) 100				

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REPEAT PASS 0 PSI