gyrodata

CEMENT BOND LOG

Company	Extraction Oil and Gas
Well	VT-ALLES 1-16-18
Field	Wattenberg
County	Weld
State	CO

Company Extraction Oil and Gas

Well VT-ALLES 1-16-18

Field Wattenberg

County Weld **State** CO

API # : 05-123-44415

Location: 1907' FNL & 459' FWL
Lat: 40.401250
Long: -104.657230

SEC: 15 TWP: 5N RGE: 65W

Other Services

Elevation
K.B. 4677'
D.F. -----
G.L. 4648'

Permanent Datum: Ground Level Elevation: 4648'
Log Measured From: KB , 29 ft. above Permanent Datum.
Drilling Measured From: KB

Date	15 Aug 2018
Run Number	One
Plug Back T.D. Driller	-----
Plug Back T.D. Logger	-----
Bottom Logged Interval	-
Top Log Interval	Surface
Type Fluid	-----
Density / Viscosity	-----
Max. Recorded Temp.	243°F
Time Logger on Bottom	7:30
Equipment Number	GD 164
Location	Casper, WY
Recorded By	J. Baker
Witnessed By	L. Siegel

Casing Record				Tubing Record			
Size	Weight	From	To	Size	Weight	From	To
9 5/8"	36#	Surface	1500'				
5 1/2"	20#	Surface	20,226'				

<<< 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.

Ticket # : RM0818PCBW809
Your Crew Today: B. Kennicker, M. Vasquez, D. Hamilton
Log Correlated to: Surface

Cement Data

Date Cemented	-----
Primary / Squeeze	Primary
Type / Weight	-----
Main Pass Press.	0 psi
Repeat Pass Press.	0 psi

Bond Index

Index %	Est Top Depth
20 % Bond	77'
40 % Bond	101'
60 % Bond	770'
80 % Bond	1548'
100 % Bond	-----

Comments

Estimated cement top at 77'
(20% Bond)

Marker Joint located at 7190'

Thank you for using Gyrodata

Eric Regnier: Rocky Mountain Wireline Manager EricR@Gyrodata.com

Log Variables

Databased:\warrior\data\2018_08_14_extraction_vt_alles_1_16_18_cbl\2018_08_14_extraction_vt_
Dataset field/well/run1/pass3/_vars_

Top - Bottom

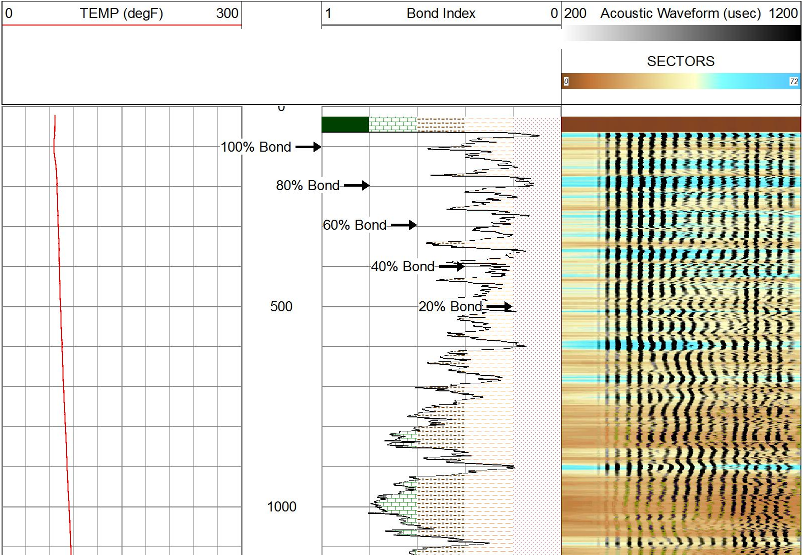
BHTEMP_Src	BOREID	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MaxAPIID
	in	degF	in	in	lb/ft	mV	in
TEMP	8.5	243	5.5	0.361	20	71.9	4.923

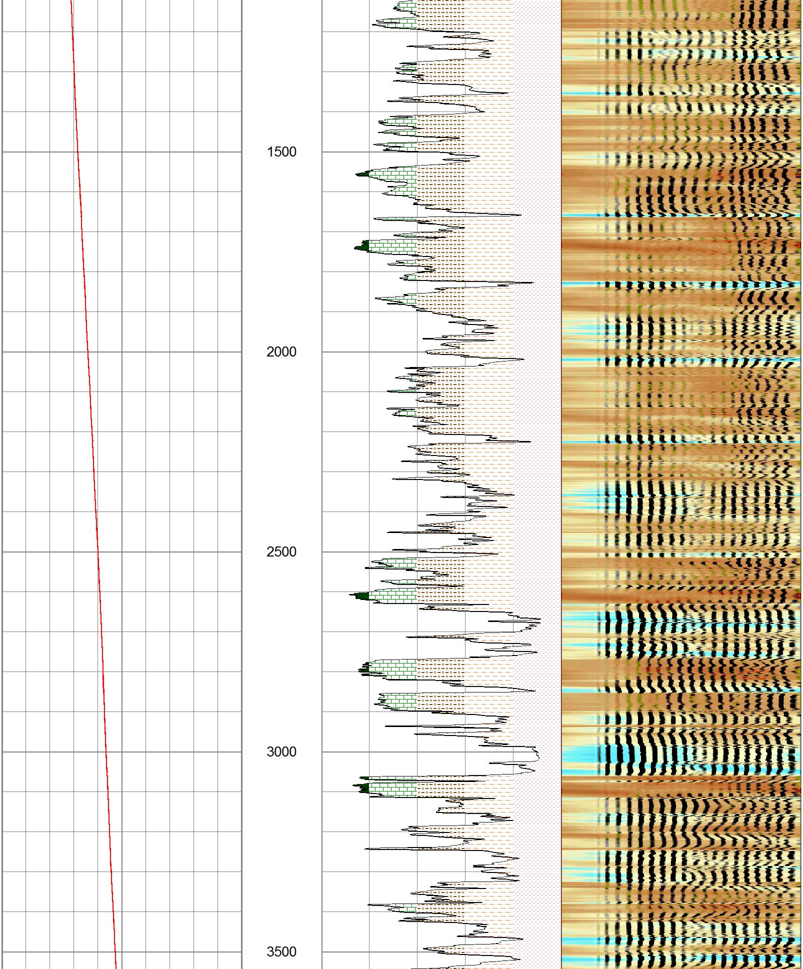
MINAMPL	MinAPIID	MINATTN	PPT	TDEPTH
mV	in	db/ft	usec	ft
1.9	4.751	0	238	0

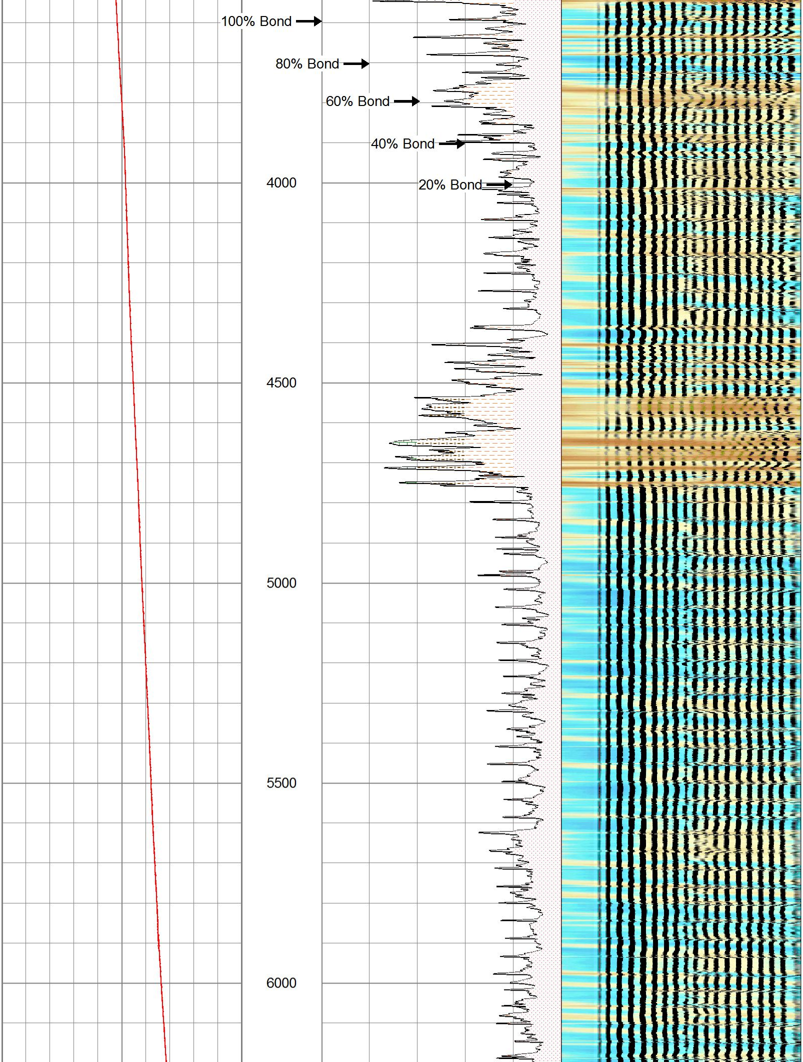
gyrodata

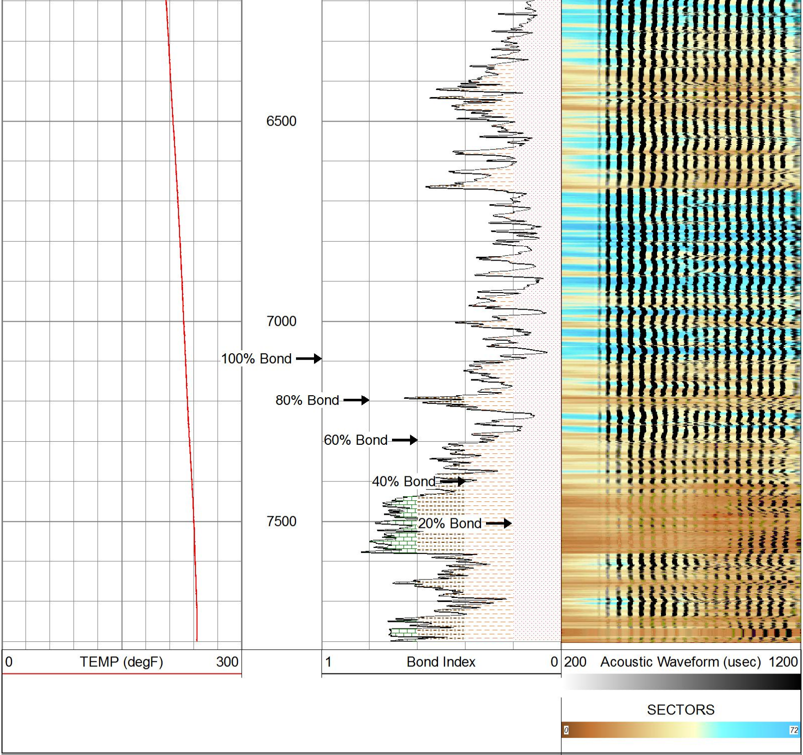
BOND INDEX

Database File	2018_08_14_extraction_vt_alles_1_16_18_cbl\2018_08_14_extraction_vt_alles_1_16_18_cbl.db
Dataset Pathname	indx
Presentation Format	bndindx_msg-sec
Dataset Creation	Wed Aug 15 10:35:23 2018
Charted by	Depth in Feet scaled 1:3000









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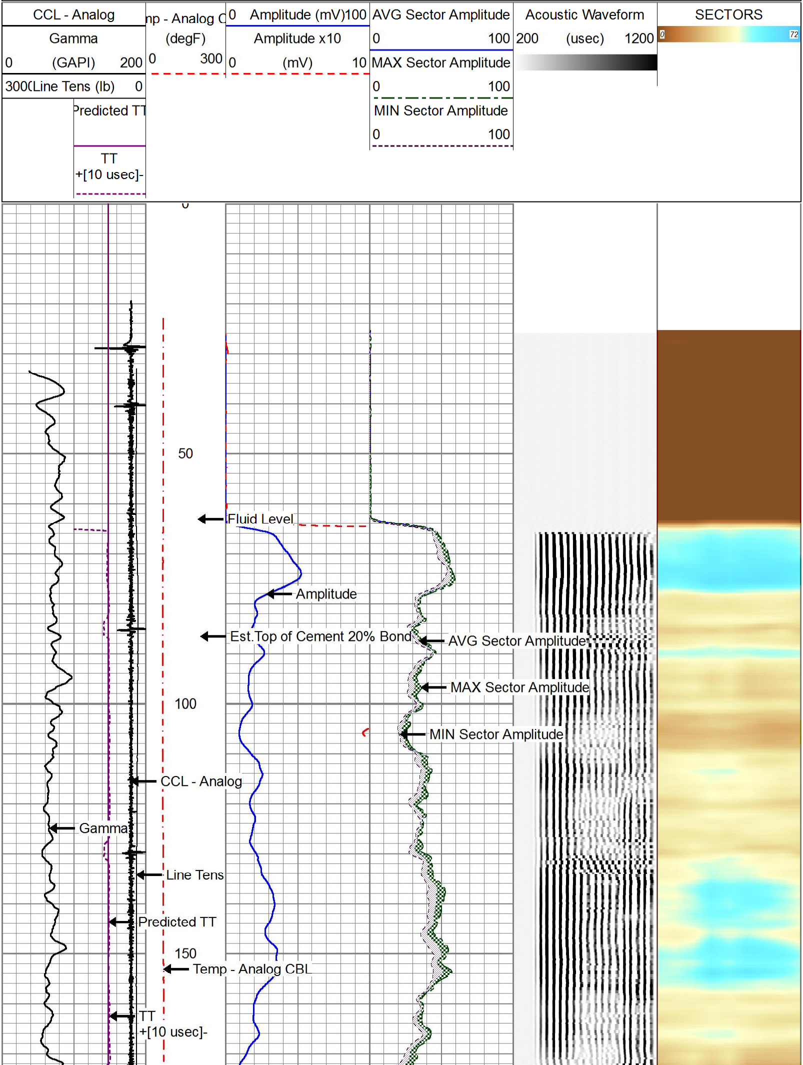
BOND INDEX

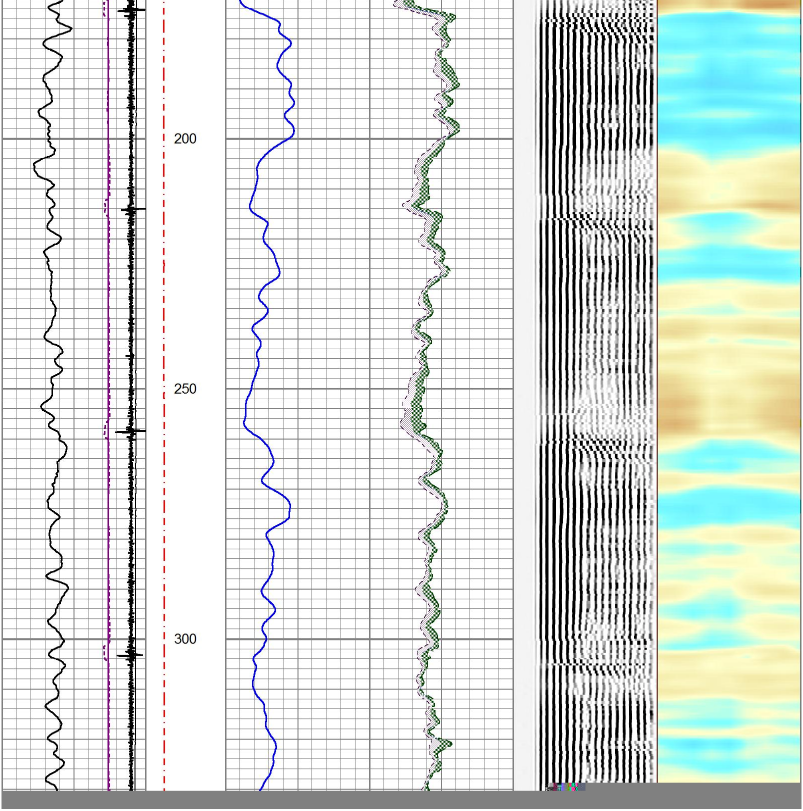
gyrodata

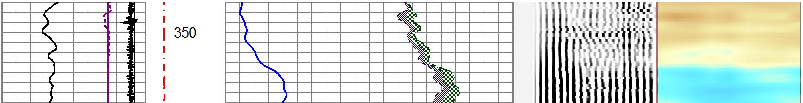
MAIN PASS - Ran with 0 PSI

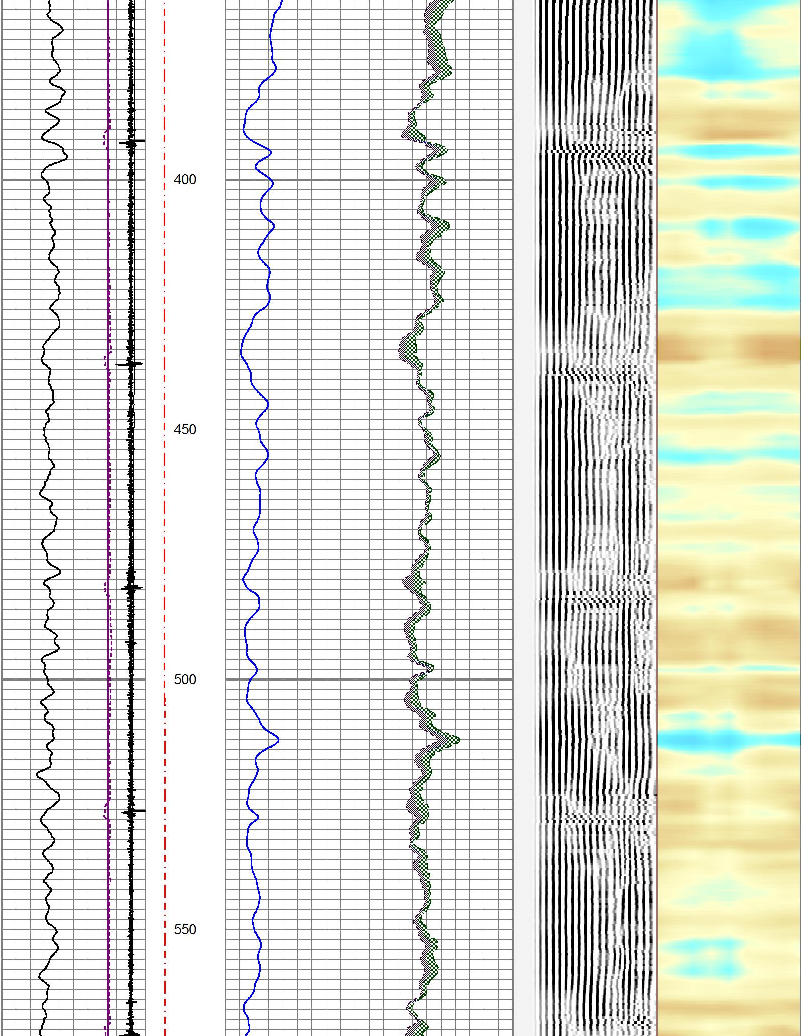
5 in / 100 ft

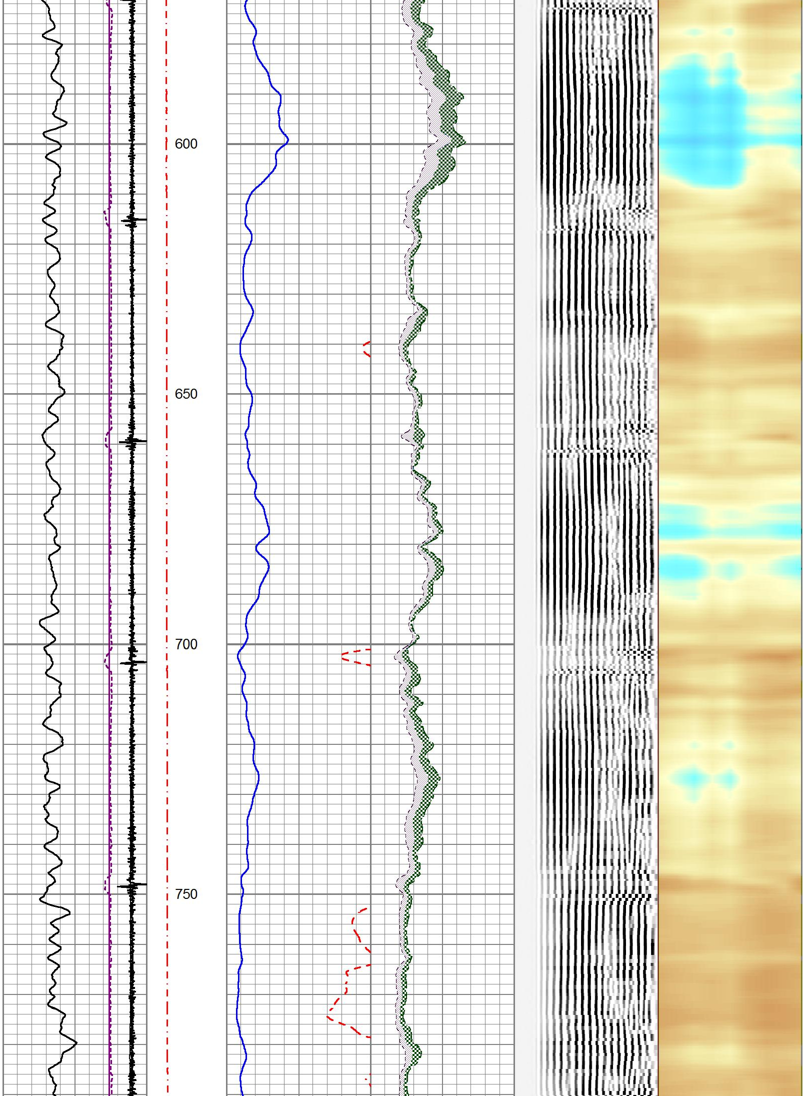
Database File	2018_08_14_extraction_vt_alles_1_16_18_cbl\2018_08_14_extraction_vt_alles_1_16_18_cbl.db
Dataset Pathname	pass3
Presentation Format	rcbl_8s
Dataset Creation	Wed Aug 15 09:13:50 2018
Charted by	Depth in Feet scaled 1:240

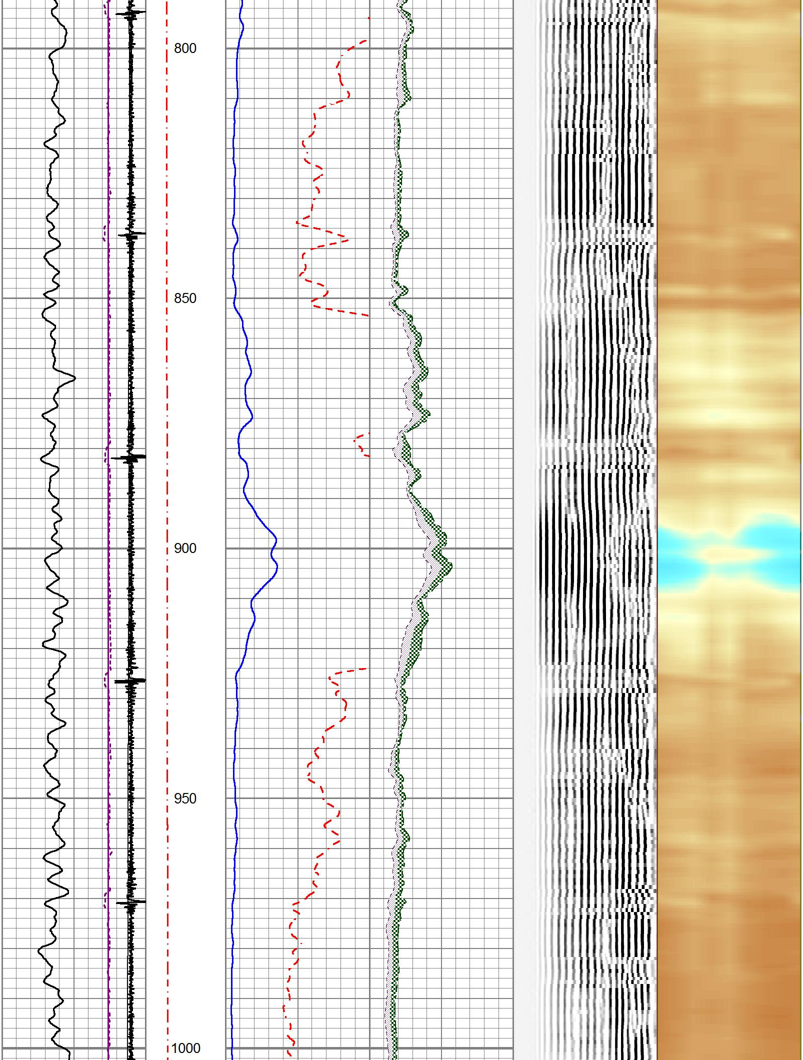


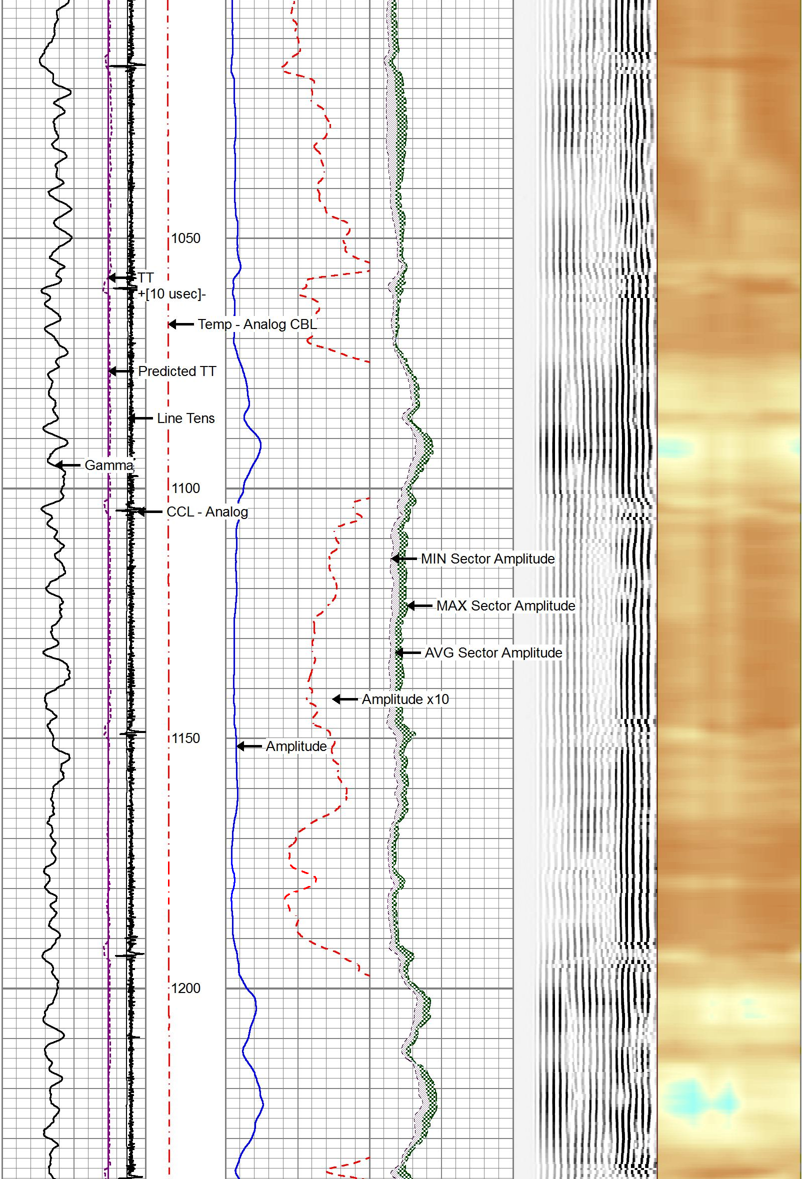


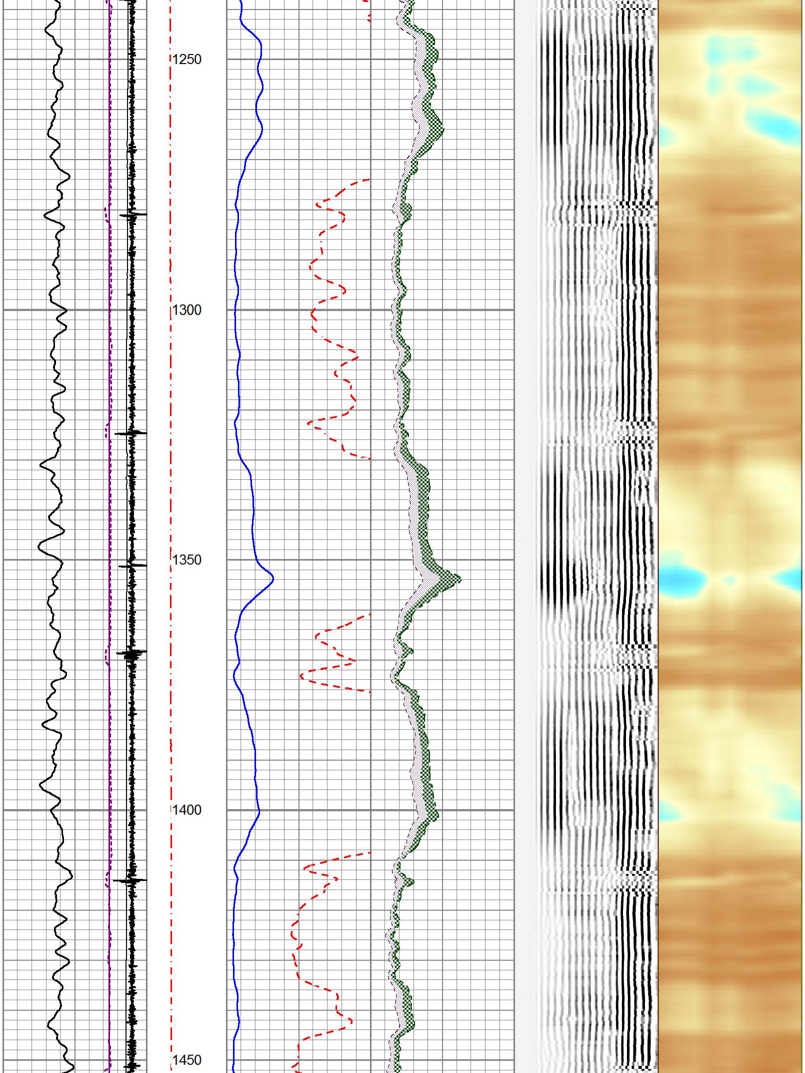


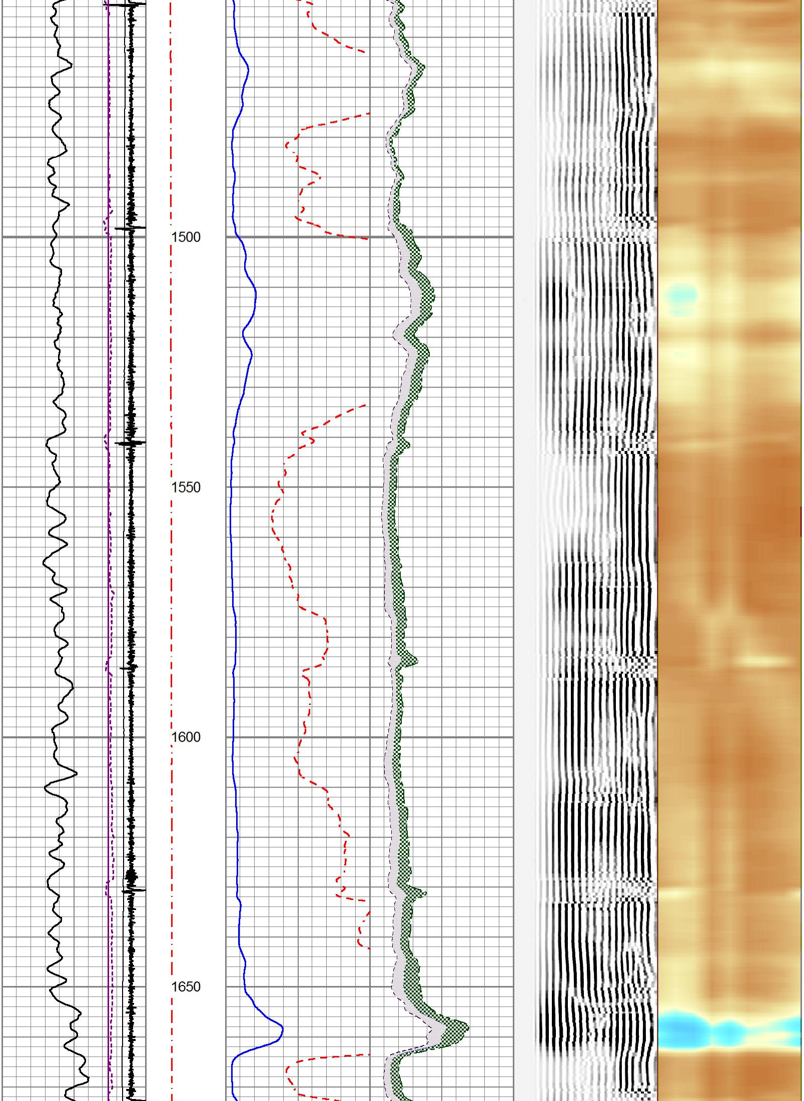


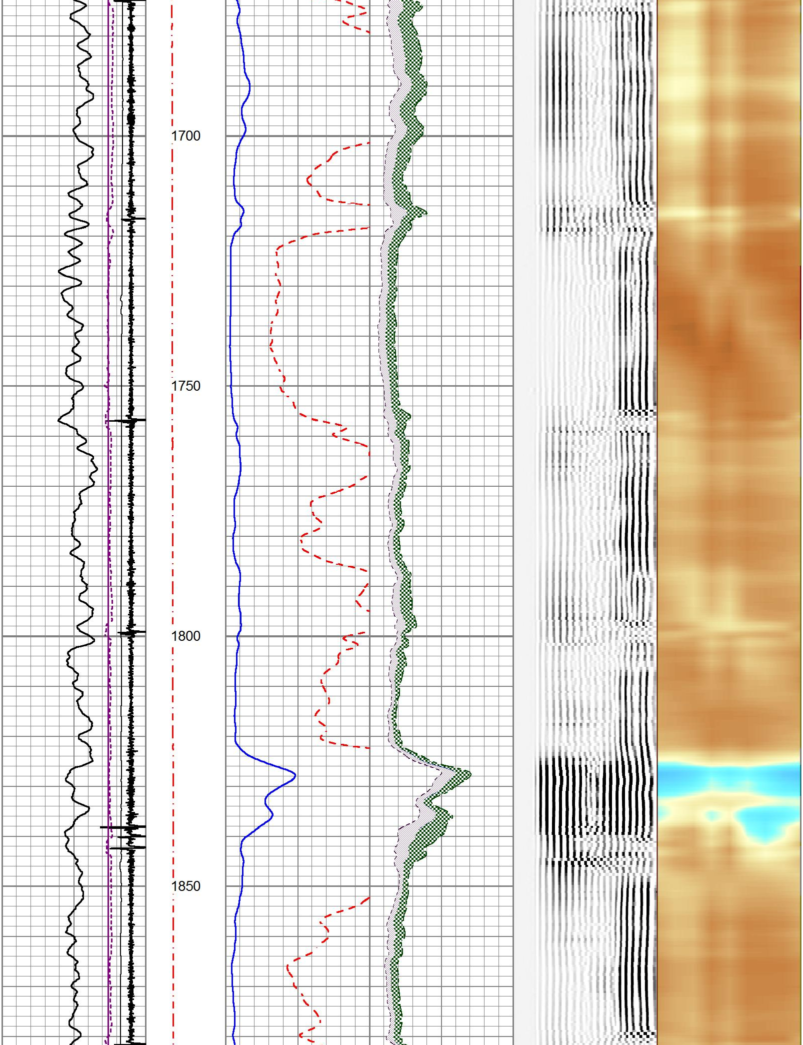


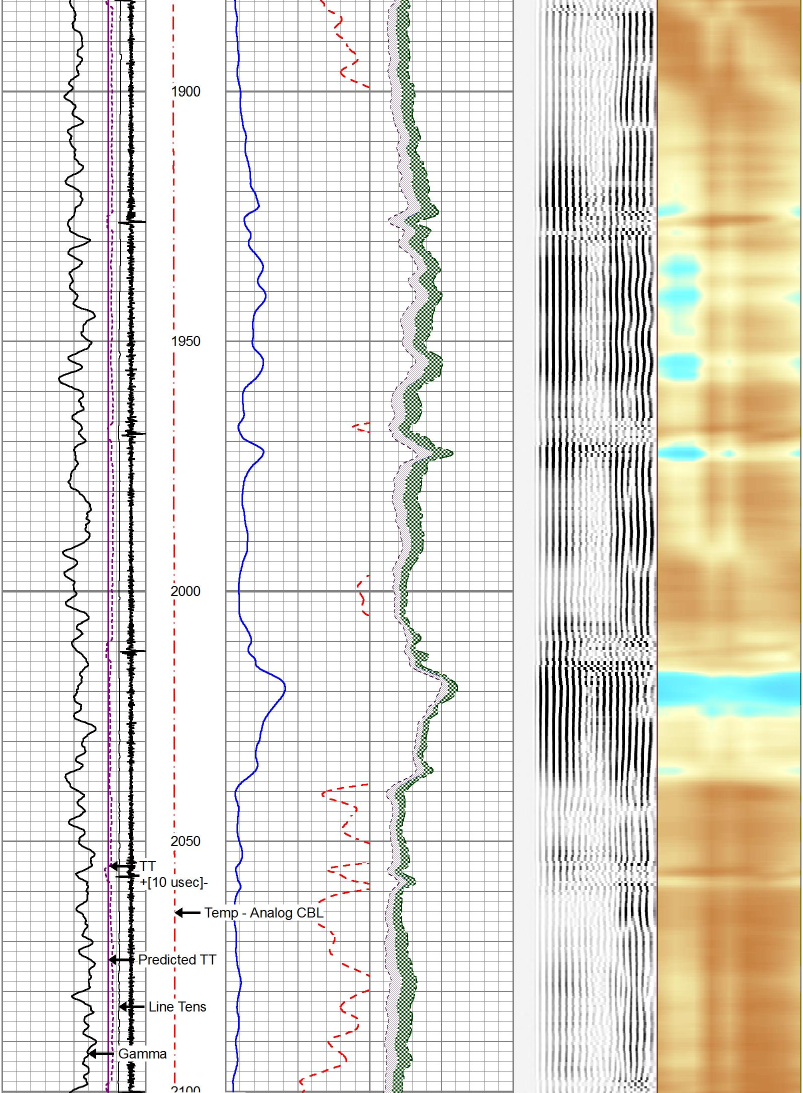


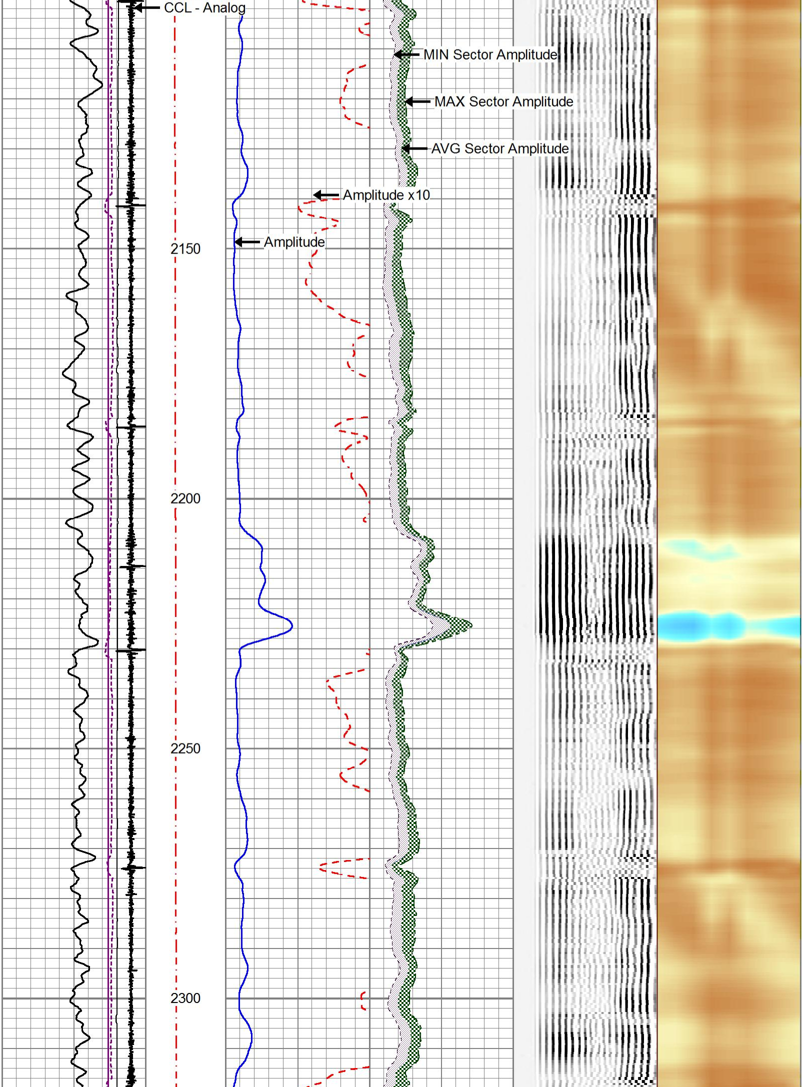


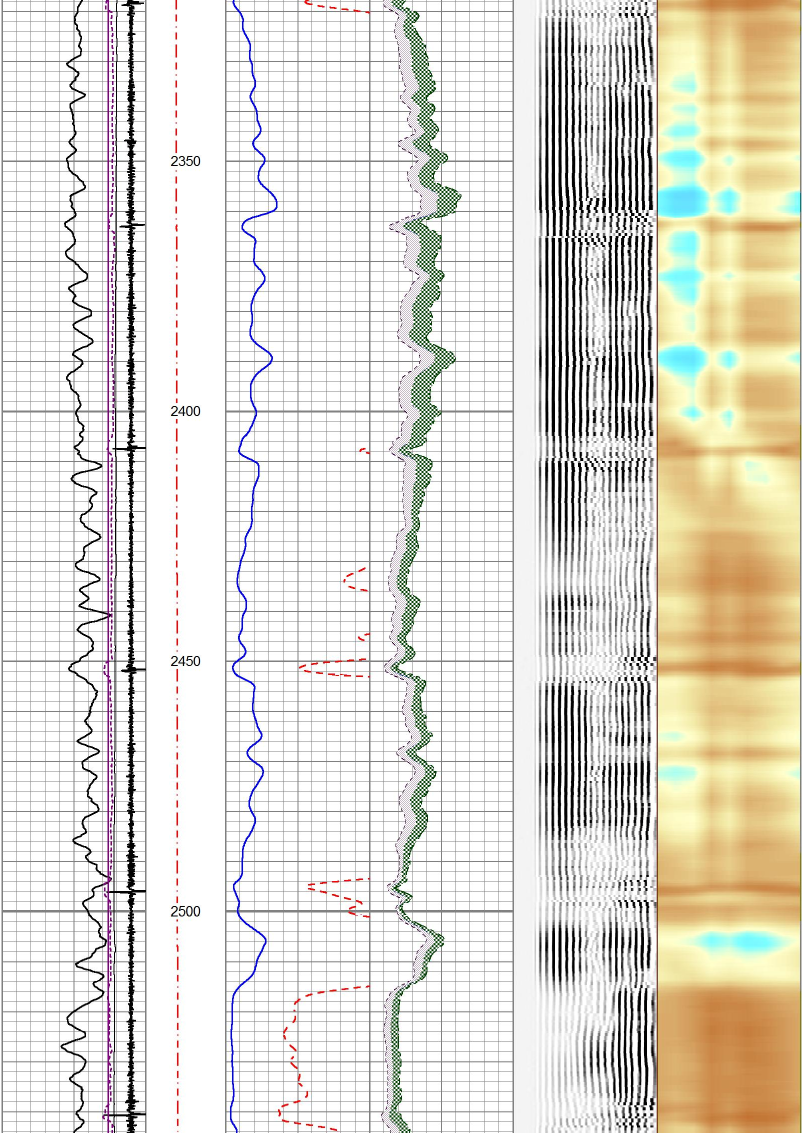


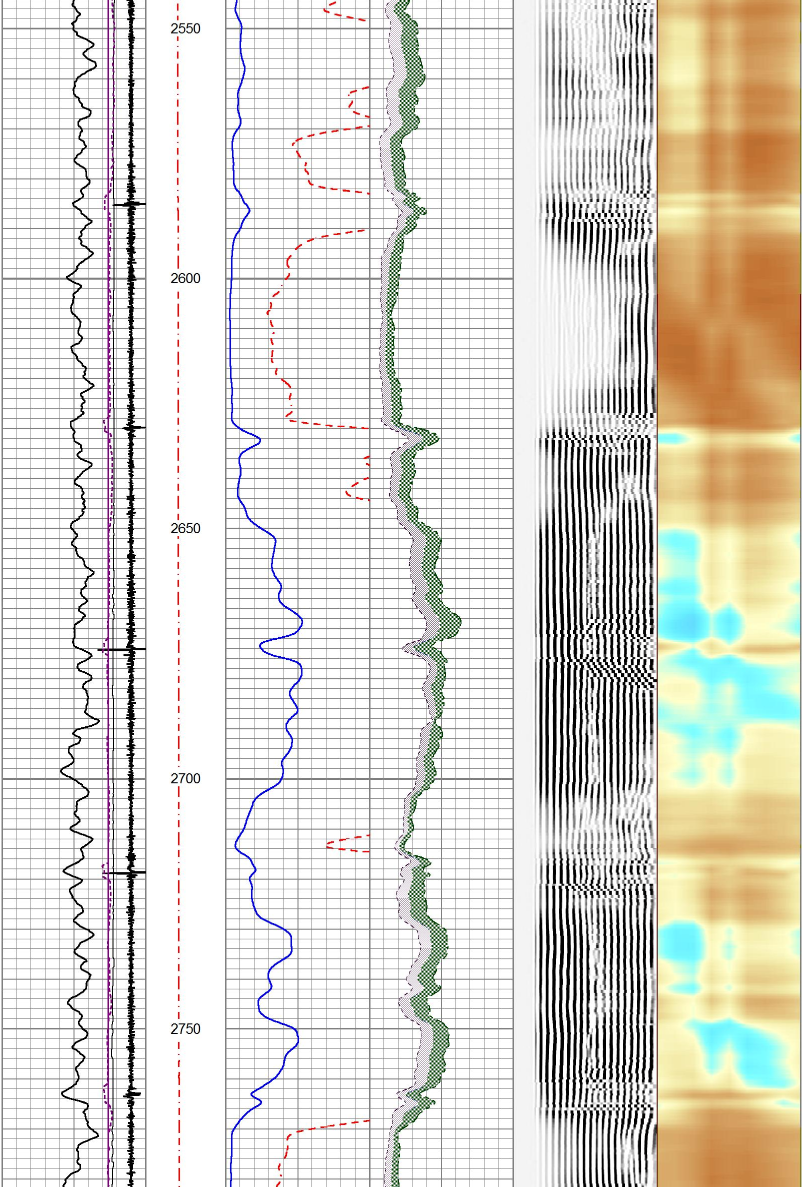


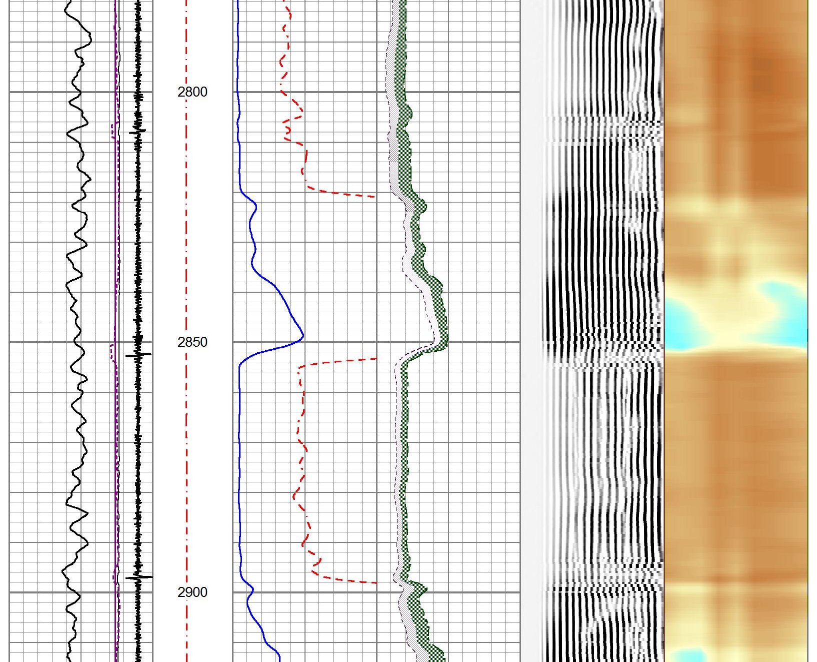


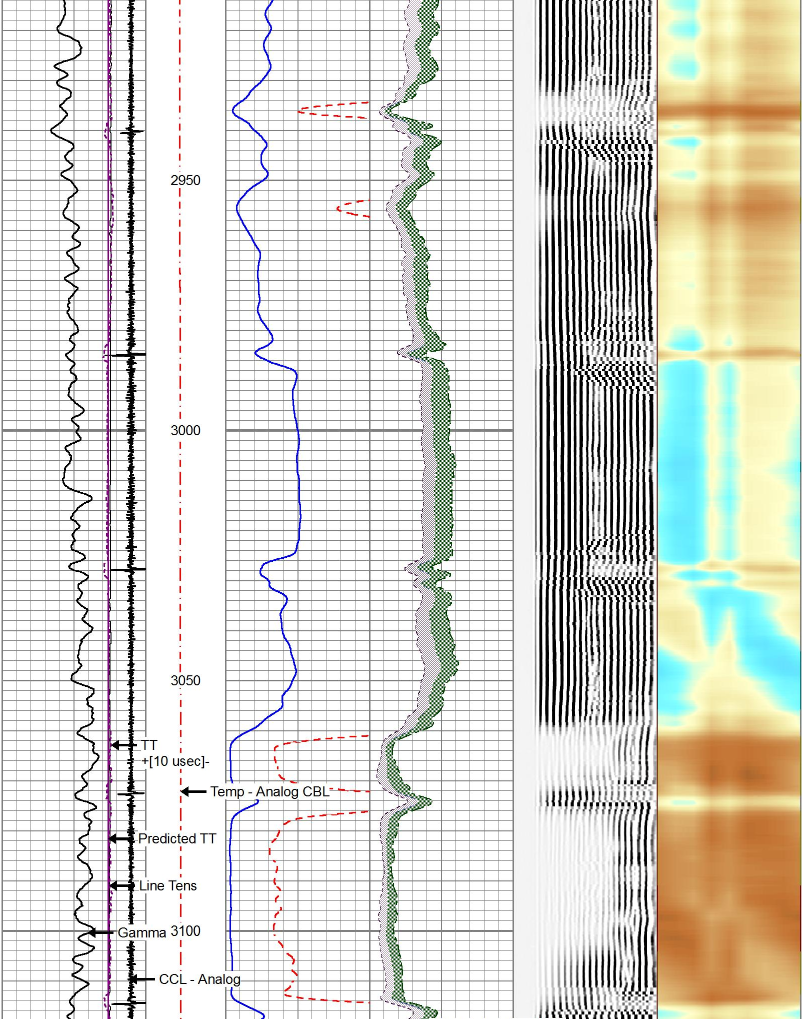


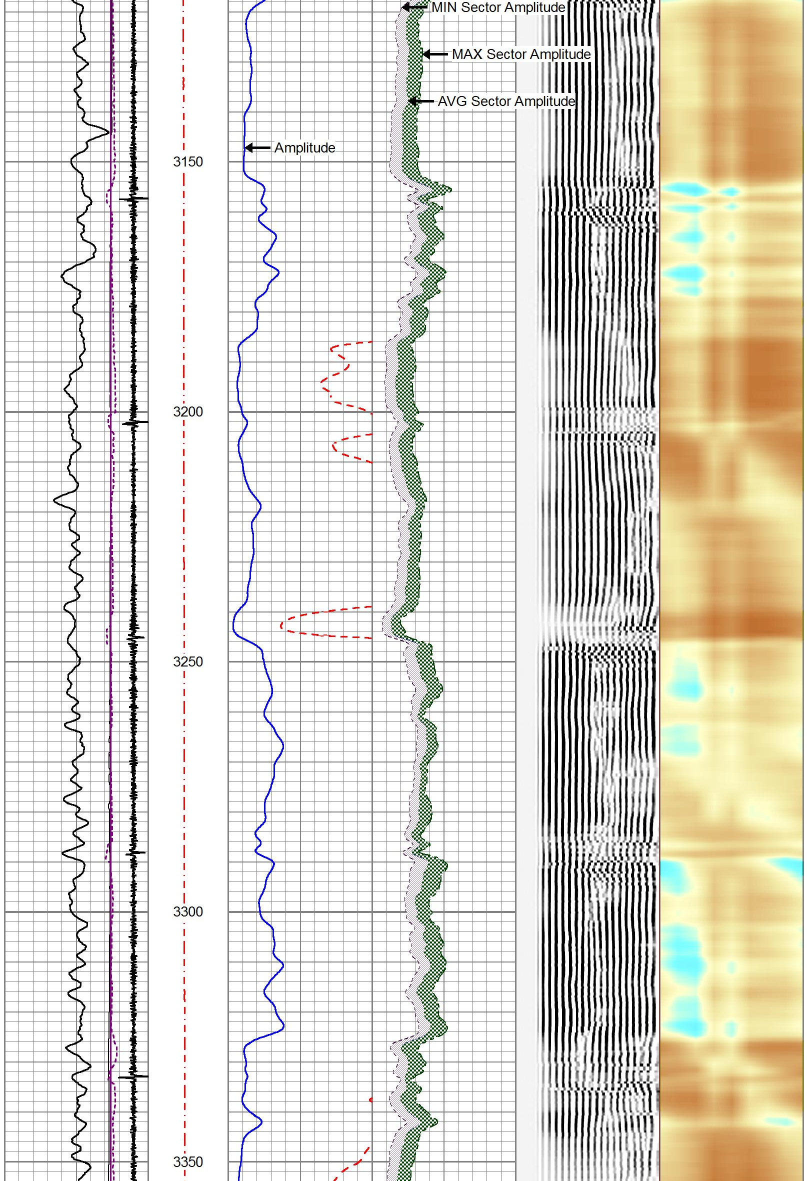


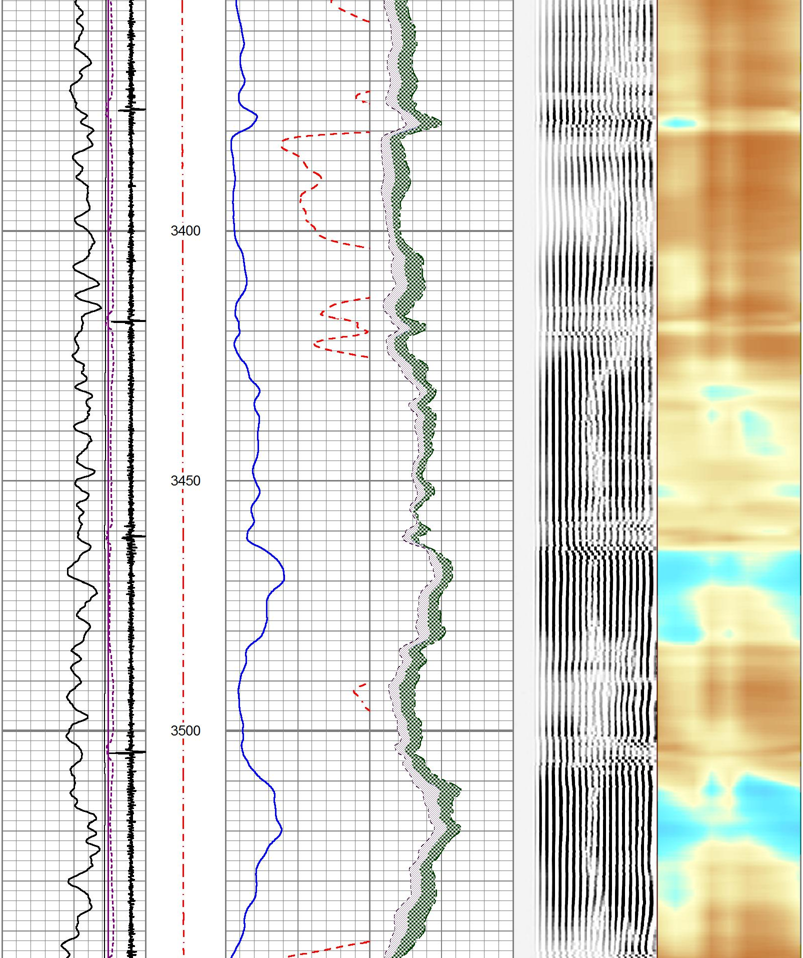


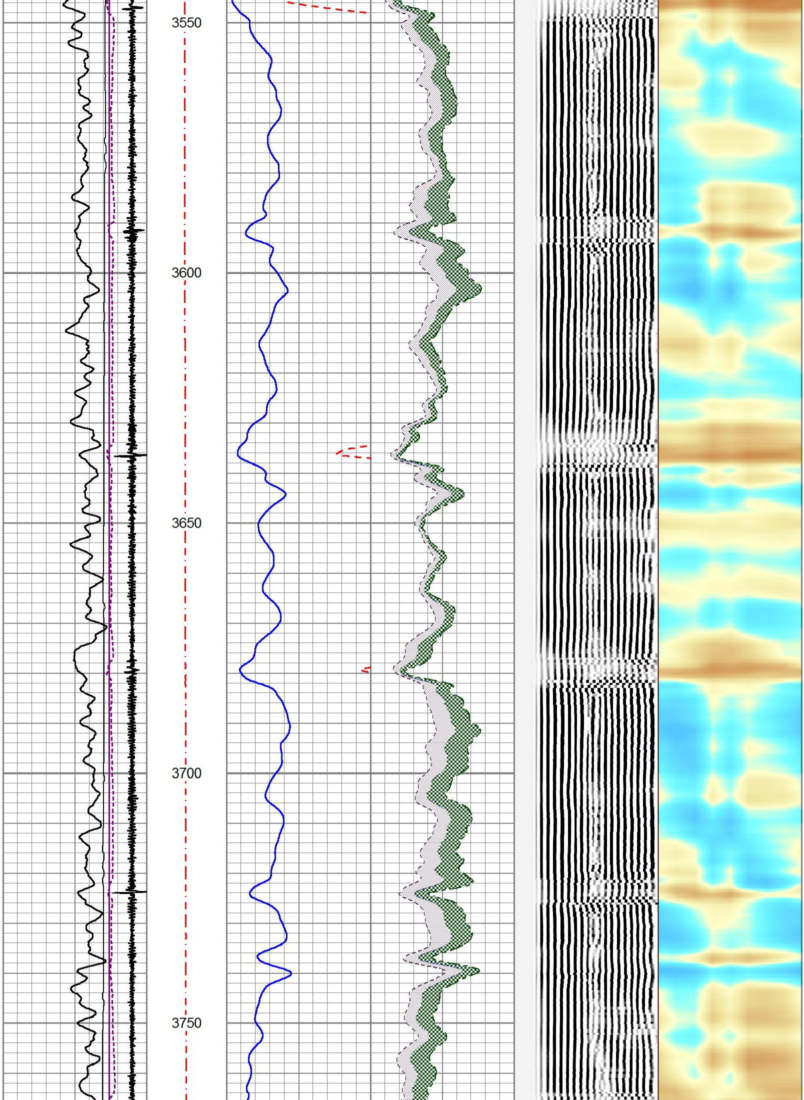


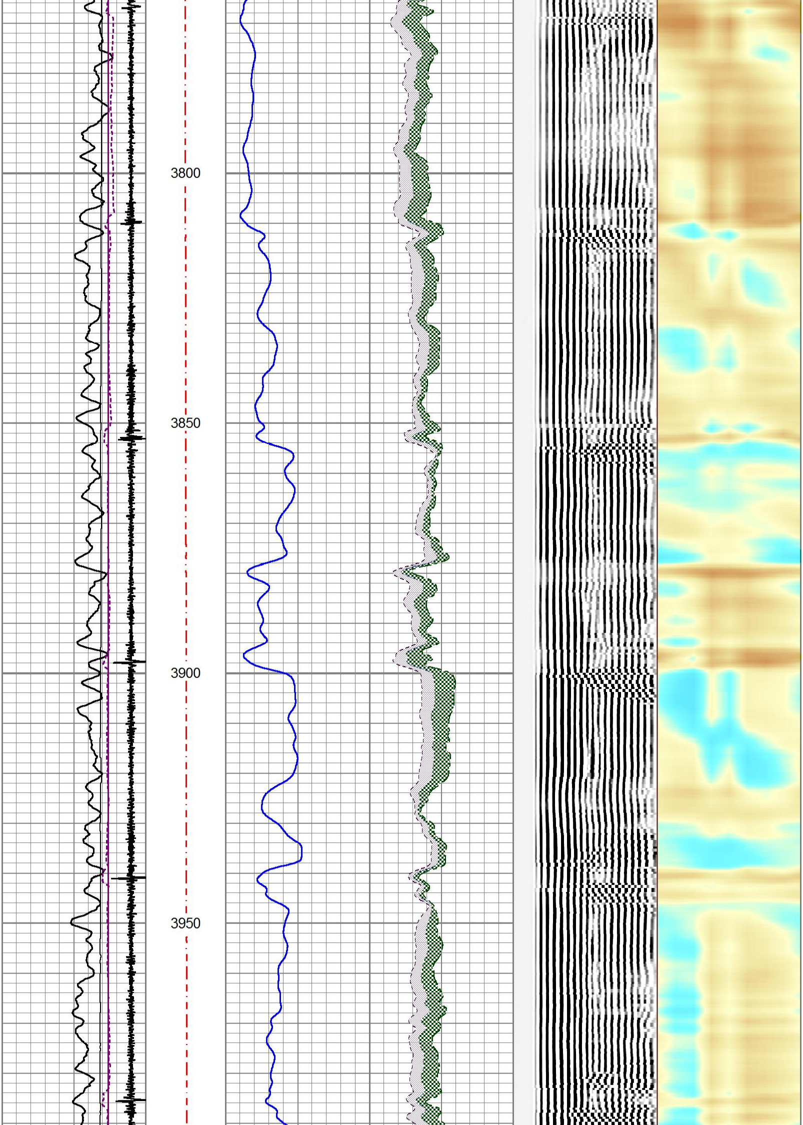


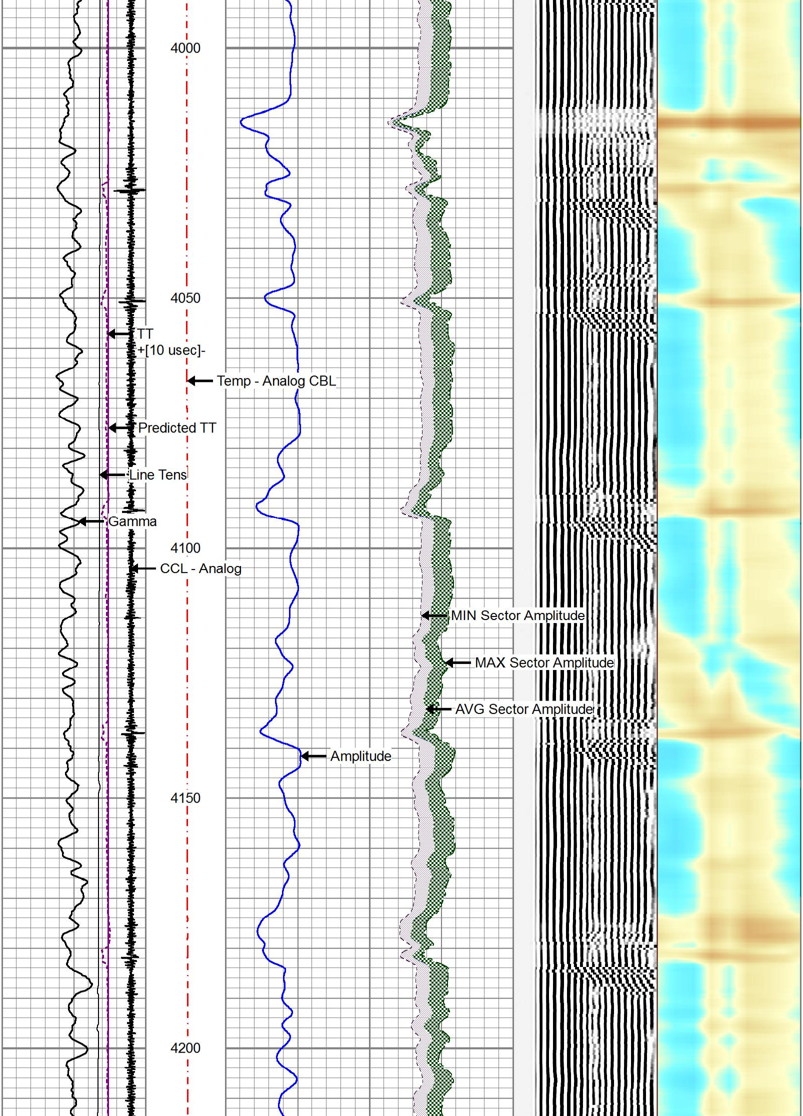


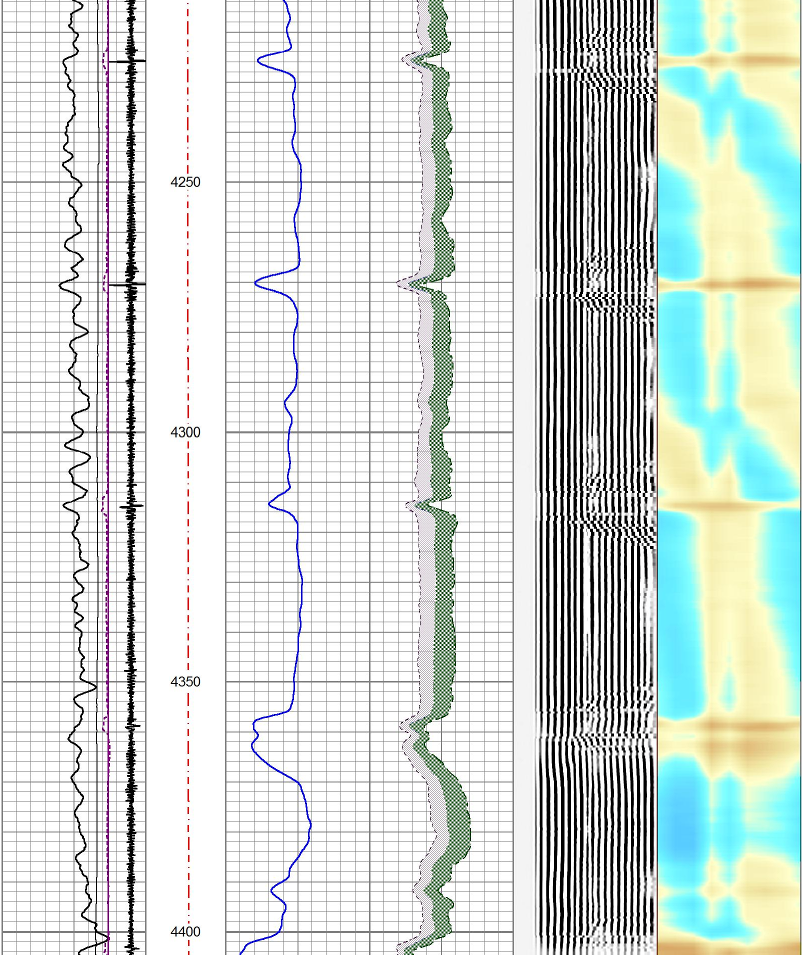


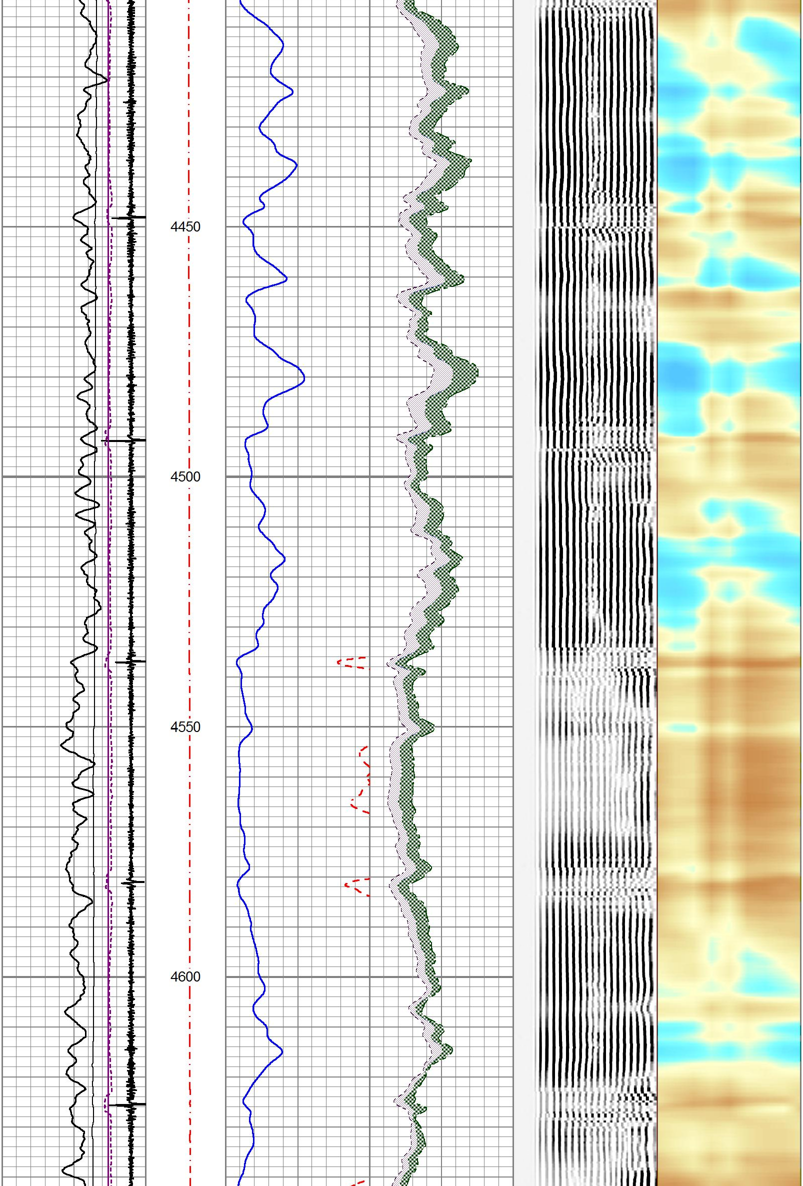


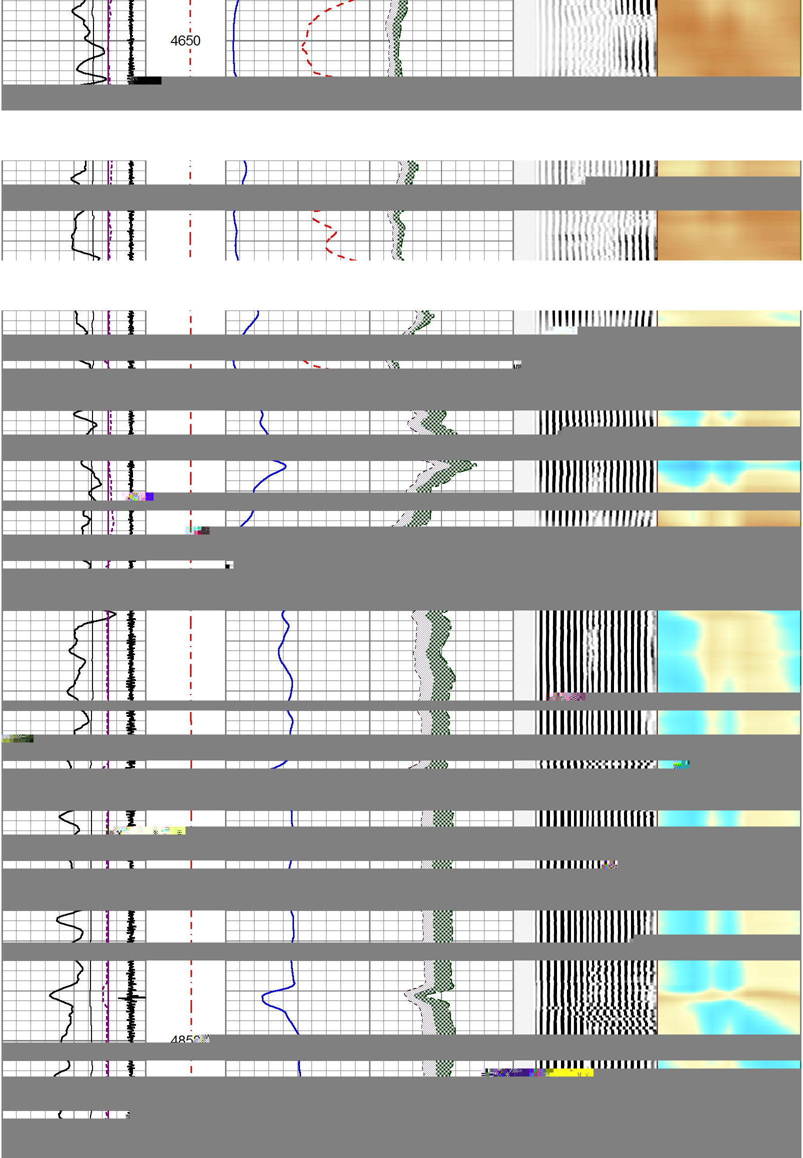


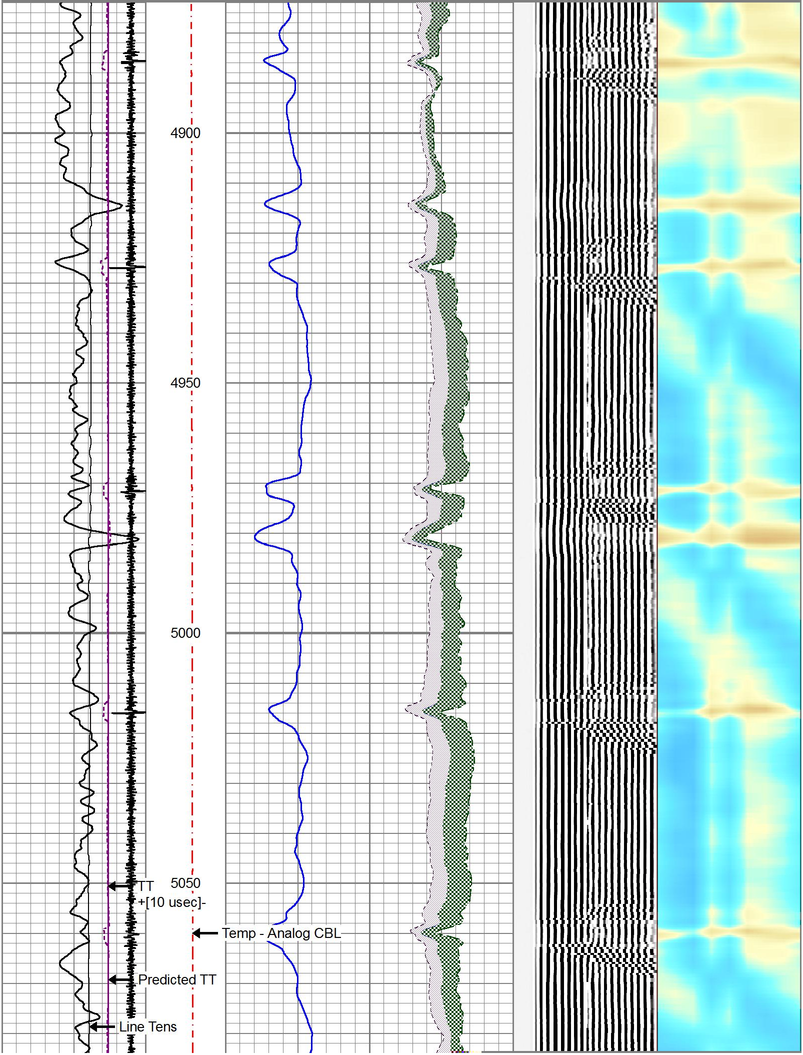


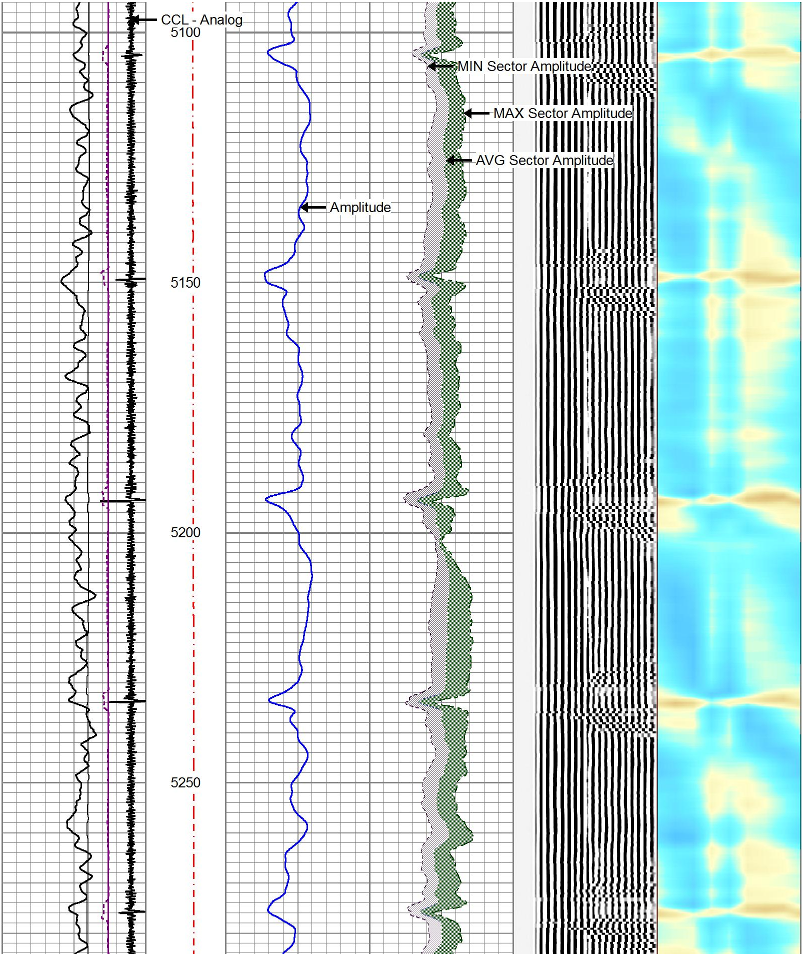


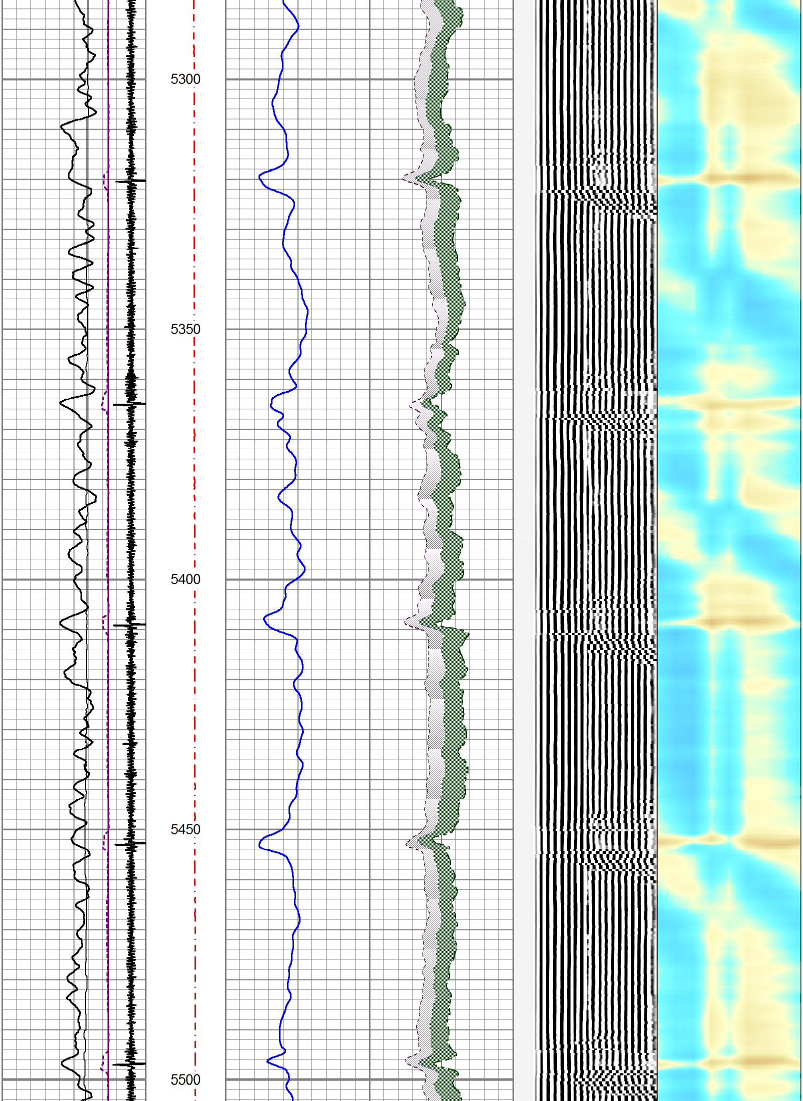


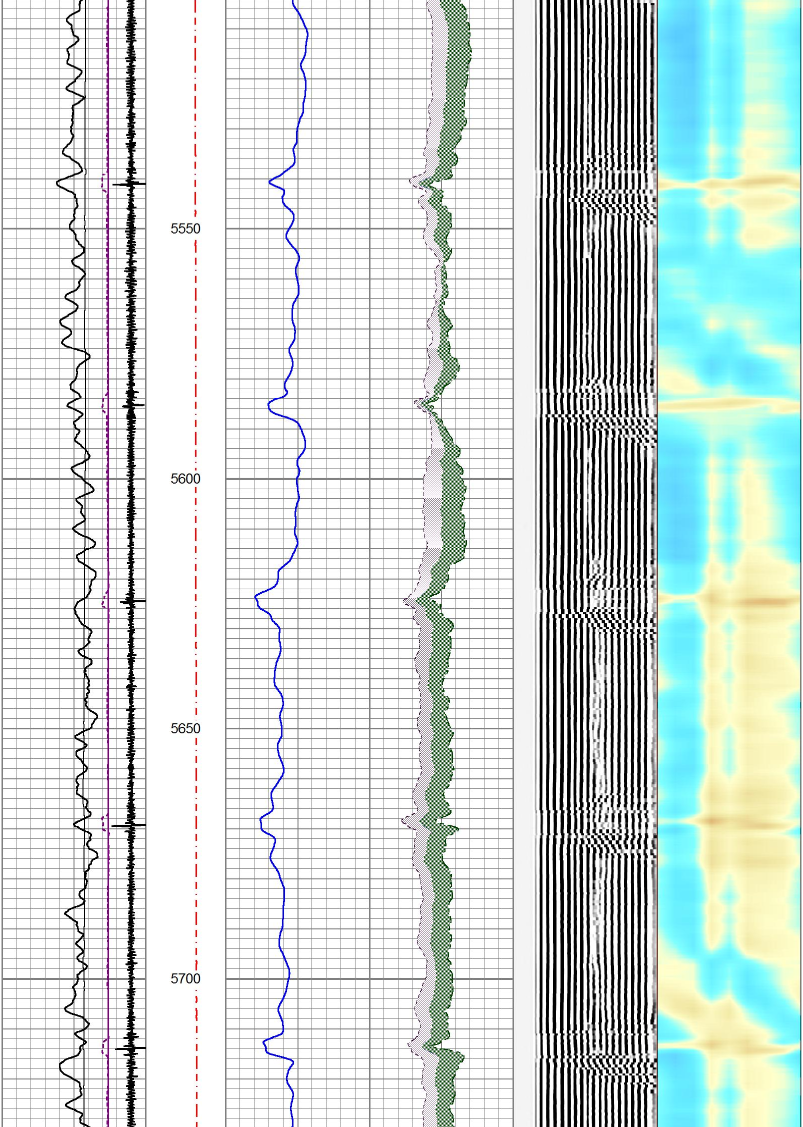


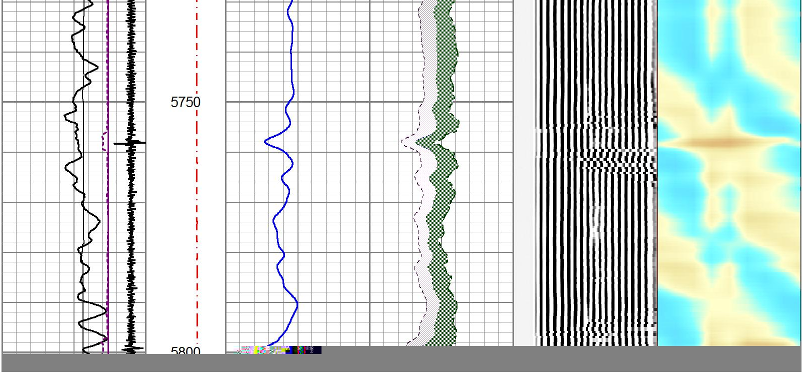


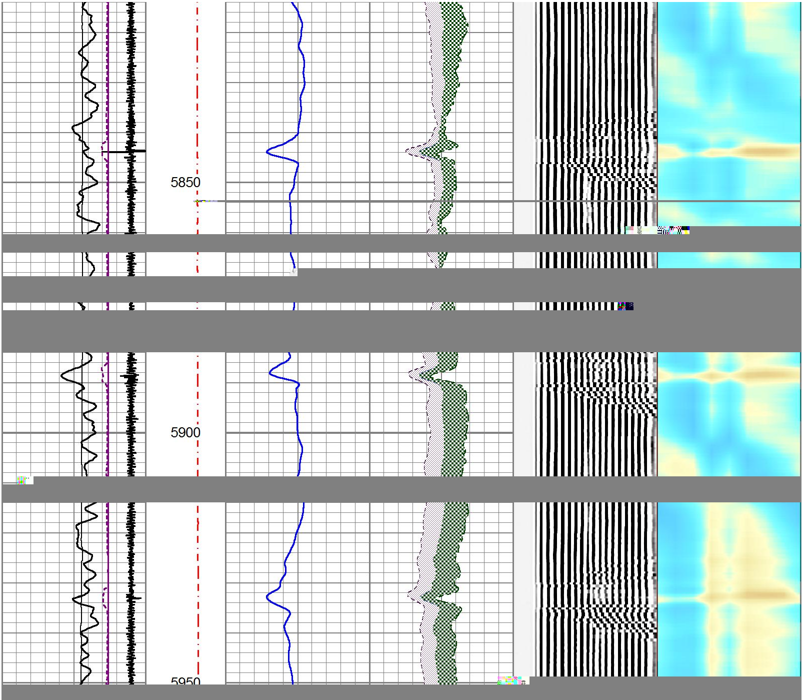


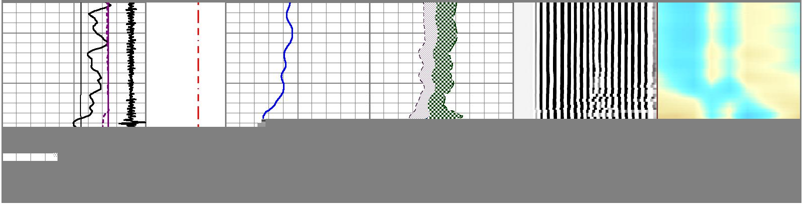








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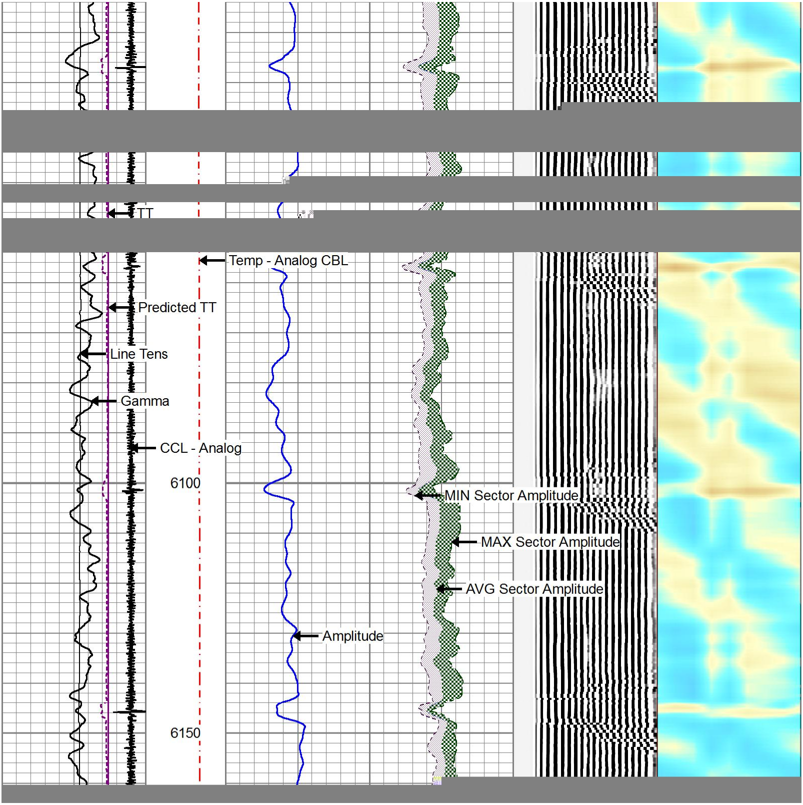

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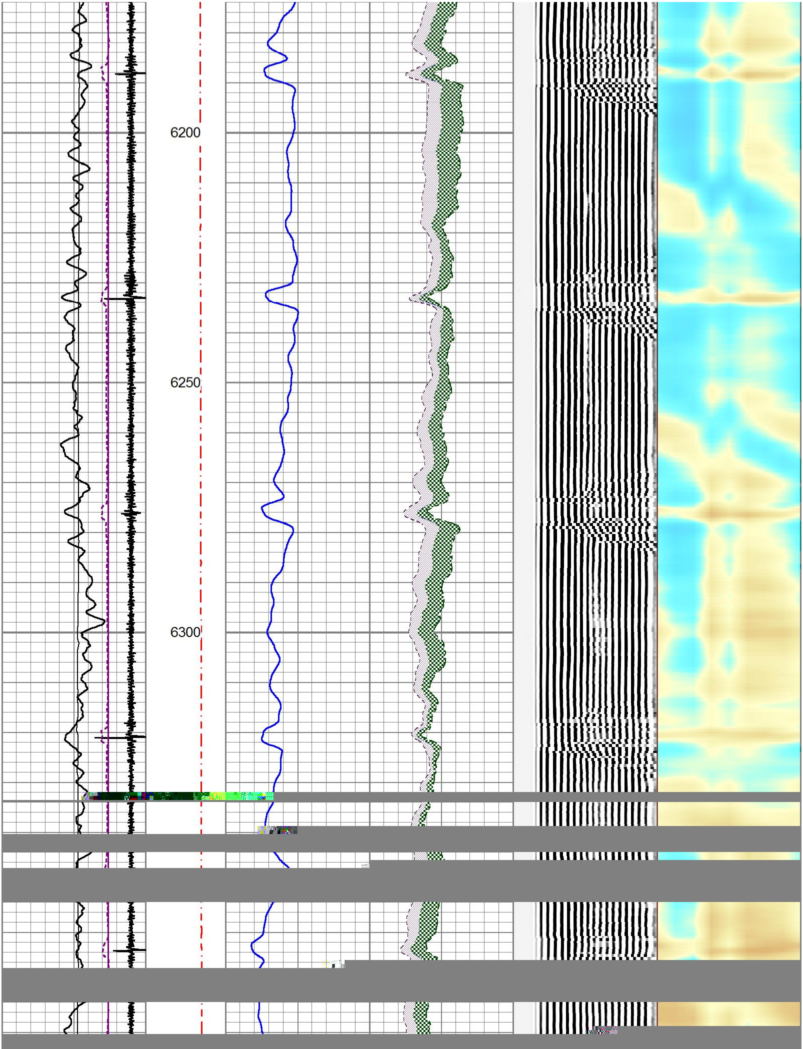
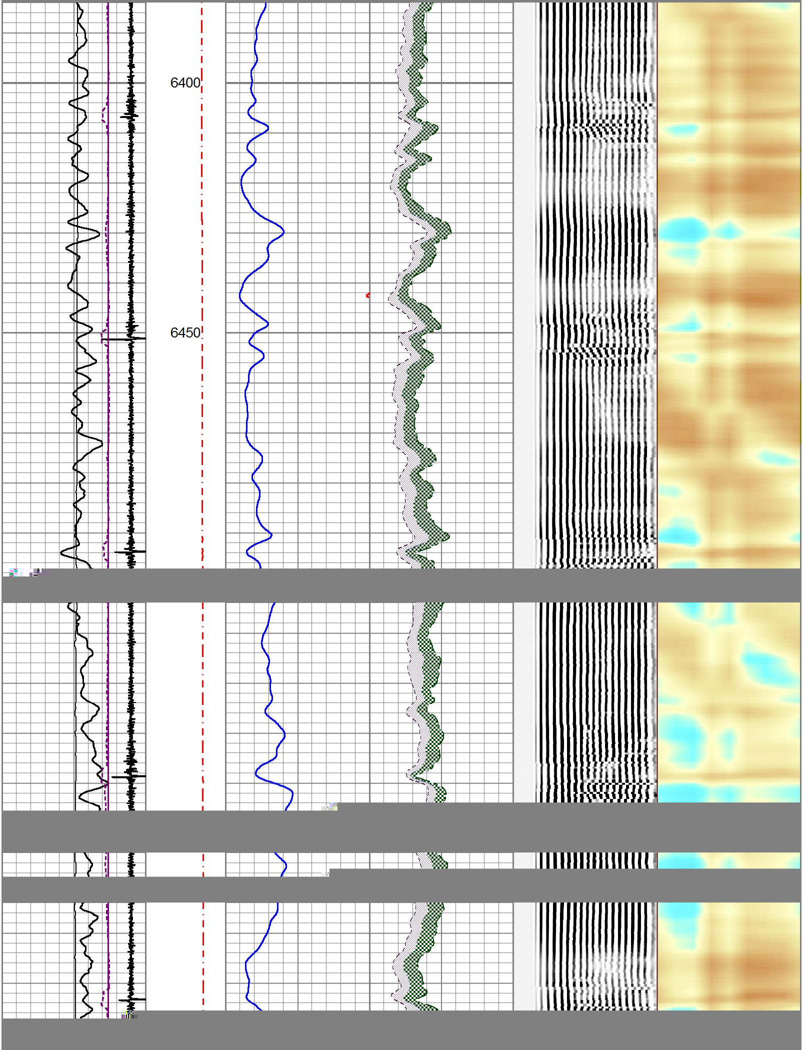
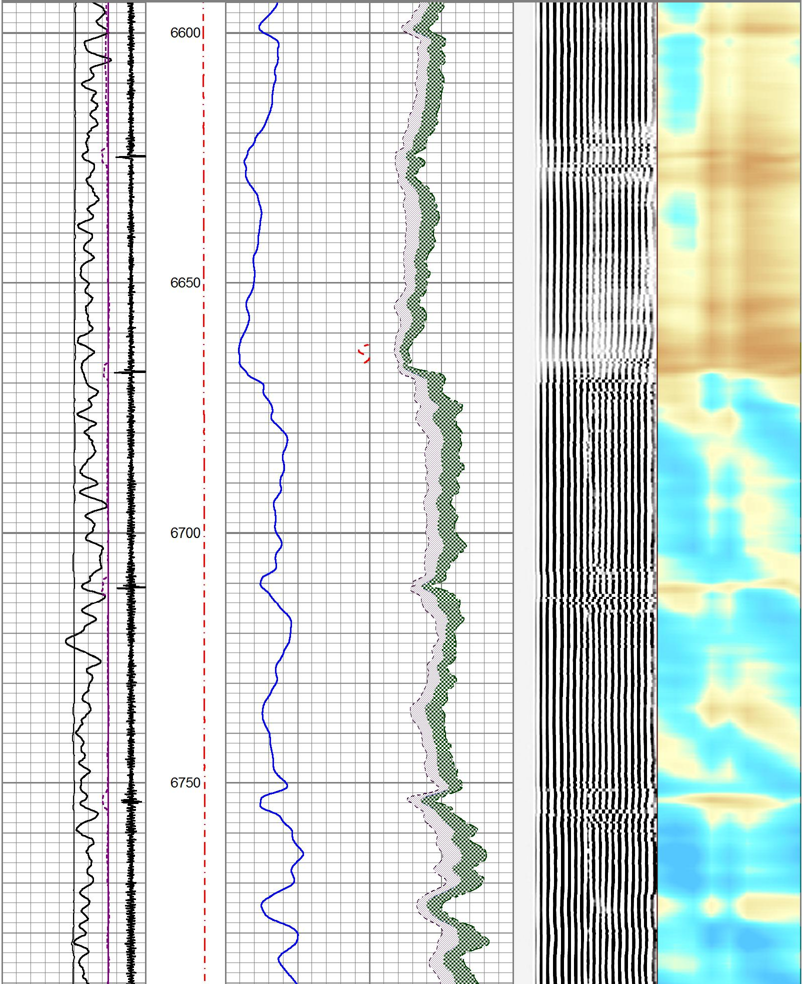
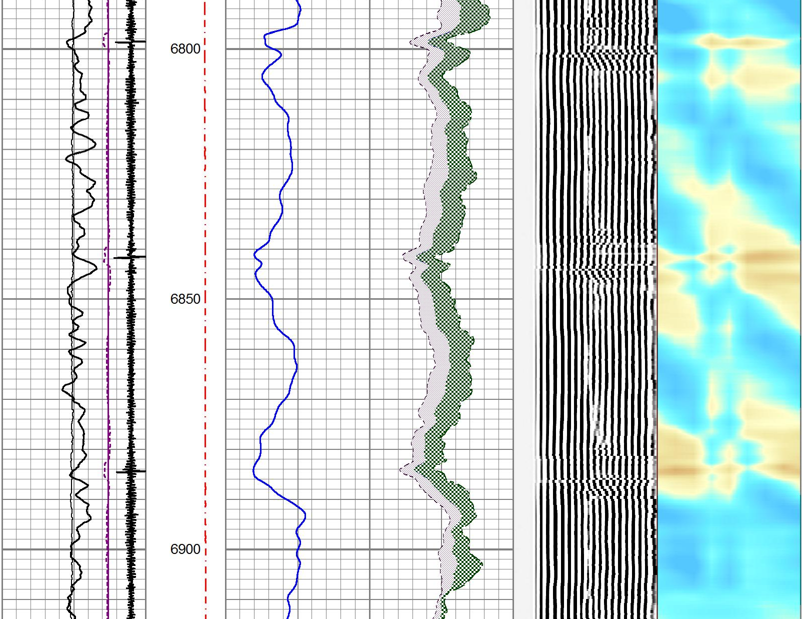








CCL - Analog	np - Analog C	0 Amplitude (mV) 100	AVG Sector Amplitude 0 100	Acoustic Waveform	SECTORS
Gamma 0 (GAPI) 200	(degF) 0 300	Amplitude x10 0 (mV) 10	MAX Sector Amplitude 0 100	200 (usec) 1200	
300 Line Tens (lb) 0			MIN Sector Amplitude 0 100		
Predicted TT					
TT +[10 usec]					

MAIN PASS - Ran with 0 PSI

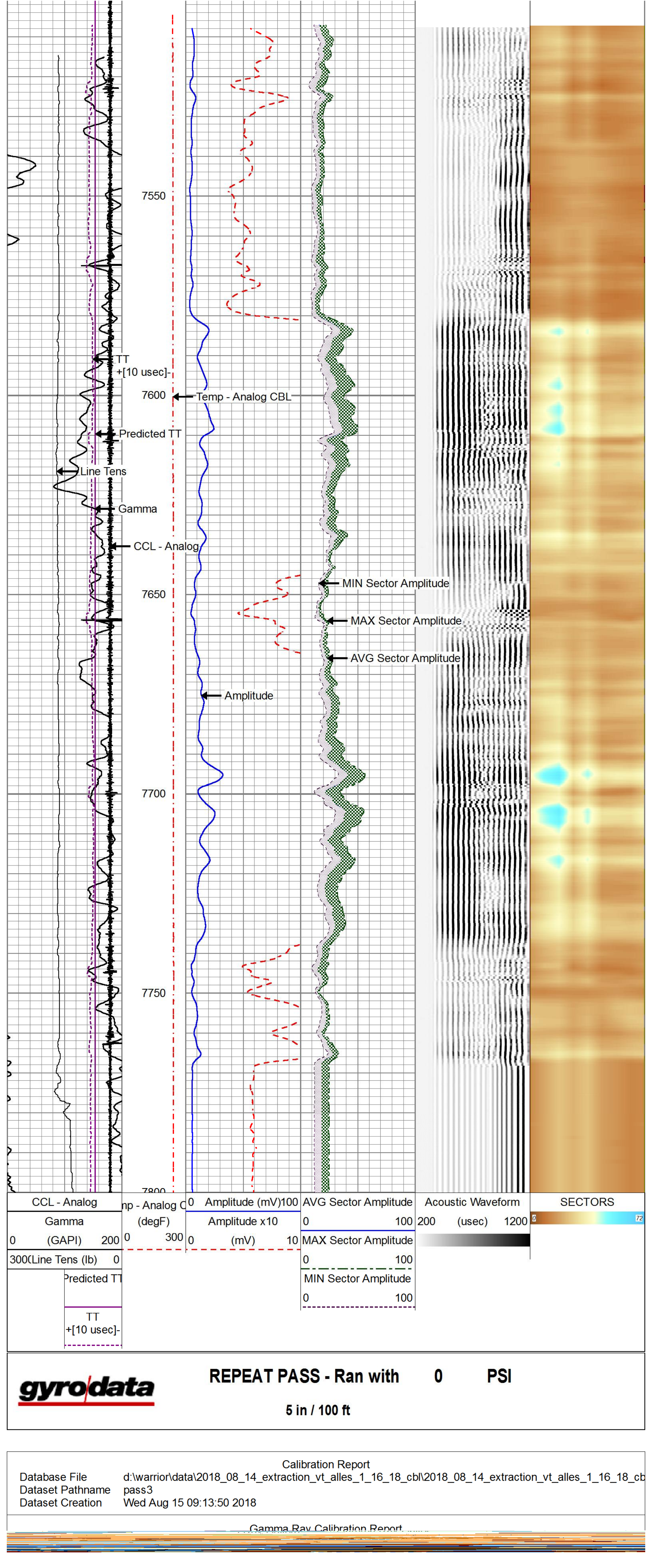
5 in / 100 ft

REPEAT PASS - Ran with 0 PSI

5 in / 100 ft

Database File 2018_08_14_extraction_vt_alles_1_16_18_cbl\2018_08_14_extraction_vt_alles_1_16_18_cbl.db
Dataset Pathname pass2
Presentation Format rcbl_8s
Dataset Creation Wed Aug 15 09:08:16 2018
Charted by Depth in Feet scaled 1:240

CCL - Analog	np - Analog C	0 Amplitude (mV) 100	AVG Sector Amplitude 0 100	Acoustic Waveform	SECTORS
Gamma 0 (GAPI) 200	(degF) 0 300	Amplitude x10 0 (mV) 10	MAX Sector Amplitude 0 100	200 (usec) 1200	
300 Line Tens (lb) 0			MIN Sector Amplitude 0 100		
Predicted TT					
TT +[10 usec]					



CCL - Analog	np - Analog C	0 Amplitude (mV) 100	AVG Sector Amplitude 0 100	Acoustic Waveform	SECTORS
Gamma 0 (GAPI) 200	(degF) 0 300	Amplitude x10 0 (mV) 10	MAX Sector Amplitude 0 100	200 (usec) 1200	
300 Line Tens (lb) 0			MIN Sector Amplitude 0 100		
Predicted TT					
TT +[10 usec]					

REPEAT PASS - Ran with 0 PSI

5 in / 100 ft

Calibration Report

Database File d:\warrior\data\2018_08_14_extraction_vt_alles_1_16_18_cbl\2018_08_14_extraction_vt_alles_1_16_18_cb
Dataset Pathname pass3
Dataset Creation Wed Aug 15 09:13:50 2018

Gamma Ray Calibration Report

Calibration Casing Diameter: 5.500 in
Calibration Depth: 344.560 ft

Master Calibration, performed Sun Aug 12 11:27:33 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	0.908	0.000	71.921	79.912	-0.602
CAL	-0.000	0.503				
5'	0.010	1.188	0.000	71.921	61.037	-0.594
SUM						
S1	0.017	0.905	0.000	72.000	81.059	-1.357
S2	0.015	0.925	0.000	72.000	79.154	-1.187
S3	0.015	0.967	0.000	72.000	75.580	-1.104
S4	0.017	0.992	0.000	72.000	73.893	-1.279
S5	0.015	1.005	0.000	72.000	72.755	-1.102
S6	0.017	0.944	0.000	72.000	77.701	-1.346
S7	0.018	0.873	0.000	72.000	84.266	-1.525
S8	0.018	0.844	0.000	72.000	87.115	-1.550

Internal Reference Calibration, performed Fri Aug 25 16:15:12 2017:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.000	0.503	1.000	0.000

Air Zero Calibration, performed Fri Aug 25 16:15:12 2017:

	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

Temperature Calibration Report

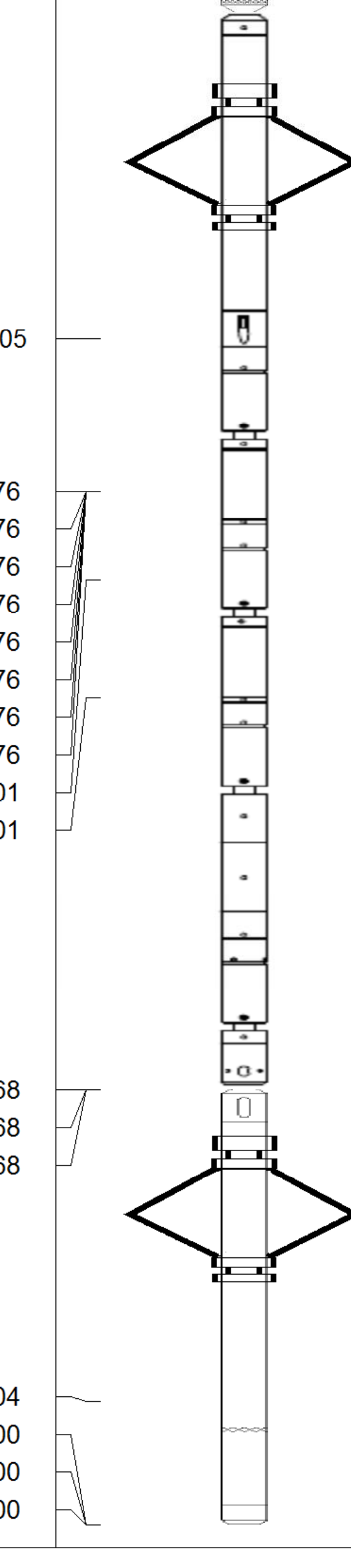
Serial Number: IPPO2-01
Tool Model: 2 3/4" RIB Analog
Performed: Fri Aug 26 11:07:15 2016

	Reference	Reading
Low Reference:	0.00 degF	0.00 usec
High Reference:	1.00 degF	1.00 usec

Gain: 0.33
Offset: 0.00
Delta Spacing: 1

Sensor	Offset (ft)
CCL	13.50
TEMP	10.05
WVFS8	8.76
WVFS7	8.76
WVFS6	8.76
WVFS5	8.76
WVFS4	8.76
WVFS3	8.76
WVFS2	8.76
WVFS1	8.76
WVF3FT	8.01
WVF5FT	7.01
WVFSYNC	3.68
WVFTEMP	3.68
WVFCAL	3.68
GR	1.04
LOCTIM	0.00
UTCTIM	0.00
PMON	0.00

Schematic



Description	Length (ft)	O.D. (in)	Weight (lb
CableHead-TitanConeType2	1.03	1.44	3.60
CCL_Log-2 3/4" TekCo (IPSN7-03)	1.83	2.75	33.00
Antelope-Overbody	1.25	2.75	
RBTA-2 3/4" RIB Analog (IPPO2-01)	9.13	2.75	102.00
Antelope-Overbody	1.25	2.75	
GR_Log-2 3/4" TekCo (ISHV2-03)	3.68	2.75	47.00

Dataset: 2018_08_14_extraction_vt_alles_1_16_18_cbl.db: field/well/run1/pass3
Total length: 15.67 ft
Total weight: 185.60 lb
O.D.: 2.75 in

Company	Extraction Oil and Gas
Well	VT-ALLES 1-16-18
Field	Wattenberg
County	Weld
State	CO
Country	U.S.A.