Company	BISON OIL & GAS II LLC
Well	ROSS 8-60 18-07-03
Field	WILDCAT
County	WELD
State	COLORADO
Country	USA

RADIAL BOND
GAMMA RAY
COLLAR LOG

Company	BISON OIL & GAS II LLC
Well	ROSS 8-60 18-07-03
Field	WILDCAT
County	WELD
State	COLORADO
Country	USA

Location: API # : 05-123-51396

SEC 18 TWP 8N RGE 60W

Other Services

Permanent Datum	GROUND LEVEL	Elevation 4950	Elevation K.B. 4974 D.F. G.L. 4950
Log Measured From	KELLY BUSHING		
Drilling Measured From	KELLY BUSHING		

Date	20-JUN-2022
Run Number	ONE
Depth Driller	15928
Depth Logger	6666
Bottom Logged Interval	6662
Top Log Interval	SURFACE
Open Hole Size	8 1/2
Type Fluid	WATER
Density / Viscosity	---
Max. Recorded Temp.	229
Estimated Cement Top	320'
Time Well Ready	ROA
Time Logger on Bottom	1230
Equipment Number	803
Location	KERSEY
Recorded By	JIM McKIE
Witnessed By	MR. JOSE TORRES

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8	36	SURFACE	1850
Prot. String				
Production String	5 1/2	20	SURFACE	TOTAL DEPTH
Liner				

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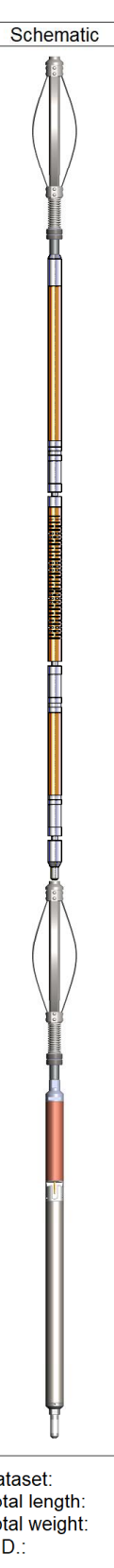
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Comments

LOG RECORDED USING 24' KB

CASING FLOATATION TOOL FOUND @ 5874'

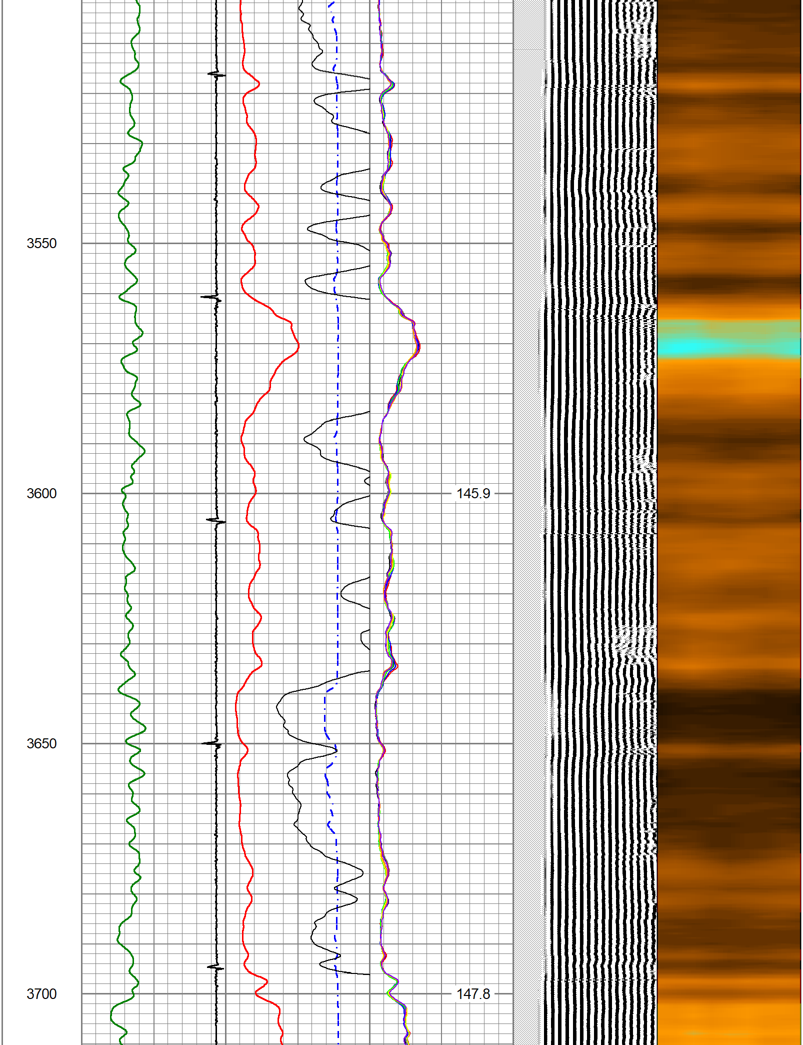
LOCATION:
W-000X0000-E
X= ROSS 8-60 18 -07-03

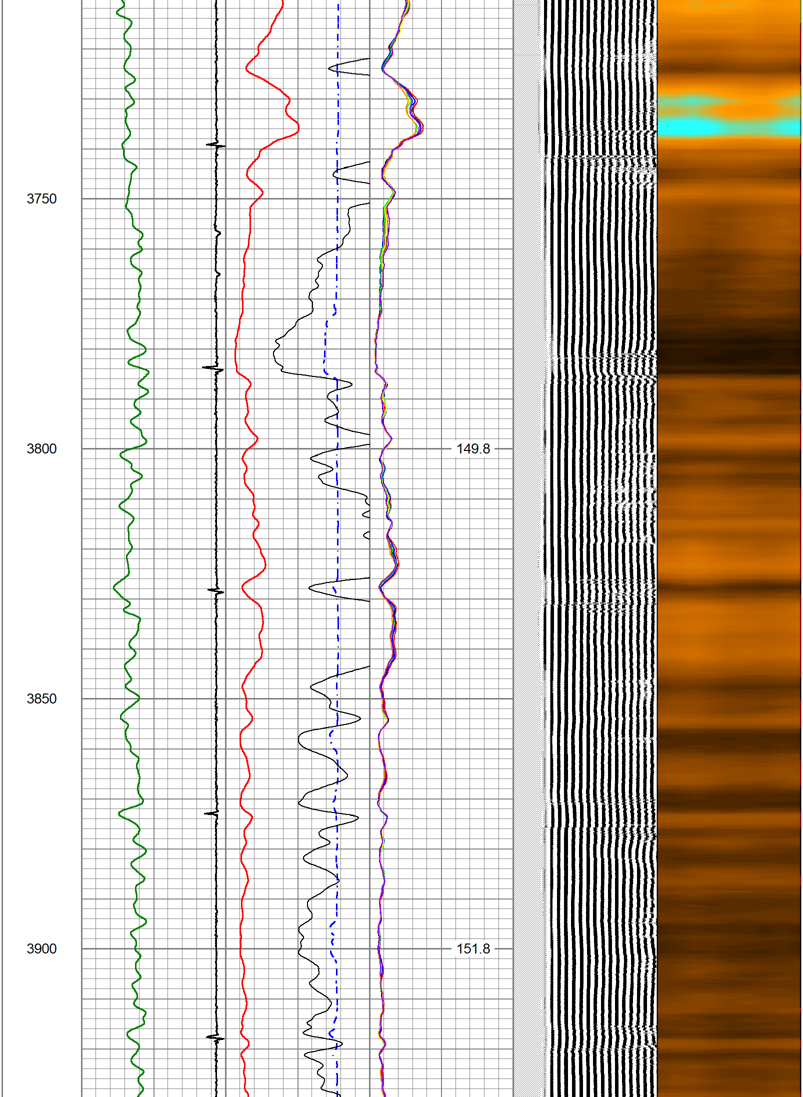
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
ErrCt	19.69		CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
WVFSYNC WVFS8 WVFS7 WVFS6 WVFS5 WVFS4 WVFS3 WVFS2 WVFS1 WVFCAL WVF3FT WVF5FT	12.27 12.27 12.27 12.27 12.27 12.27 12.27 12.27 12.27 12.27 12.27 11.19		RBT-Probe (FW1905-055) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
			CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
GCT_HV CCL$2 CCL$1 GCT_Temp GR	5.10 4.14 4.14 3.59 2.72		GC-GCT275-0000 (FW1905-098) Probe Gamma Ray - CCL w/ Temp	4.77	2.75	55.00
			Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00

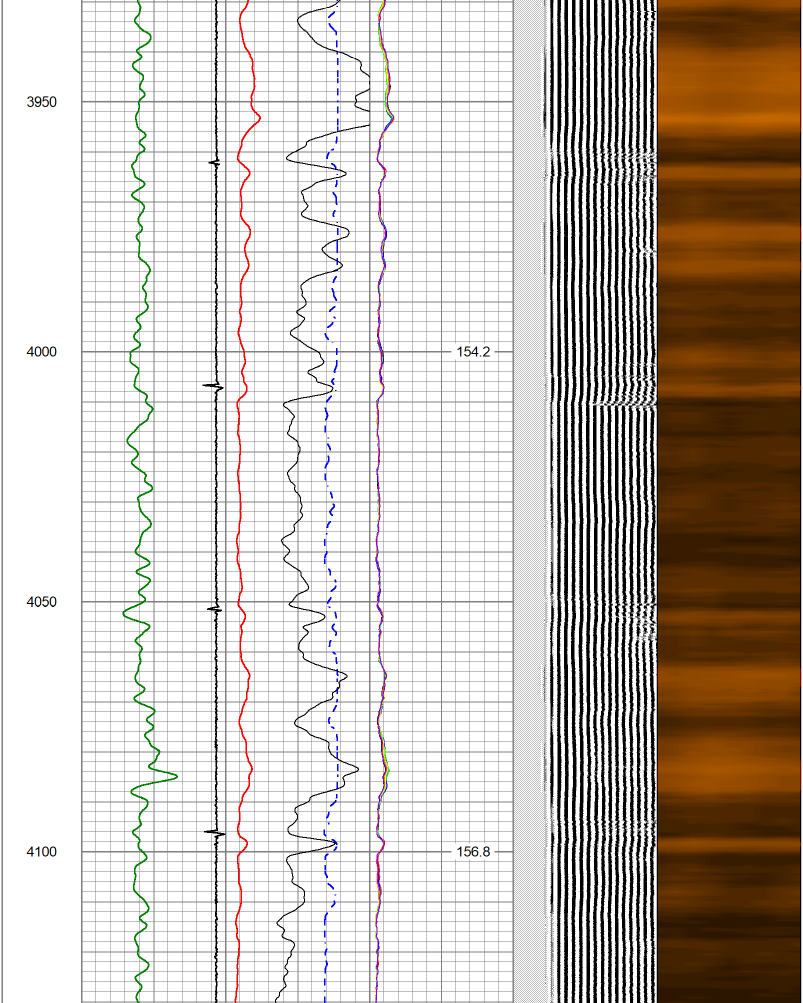
Dataset: civitas ross 8-60 18-07-03.db: field/well/run1/pass5
Total length: 19.69 ft
Total weight: 194.00 lb
O.D.: 2.75 in

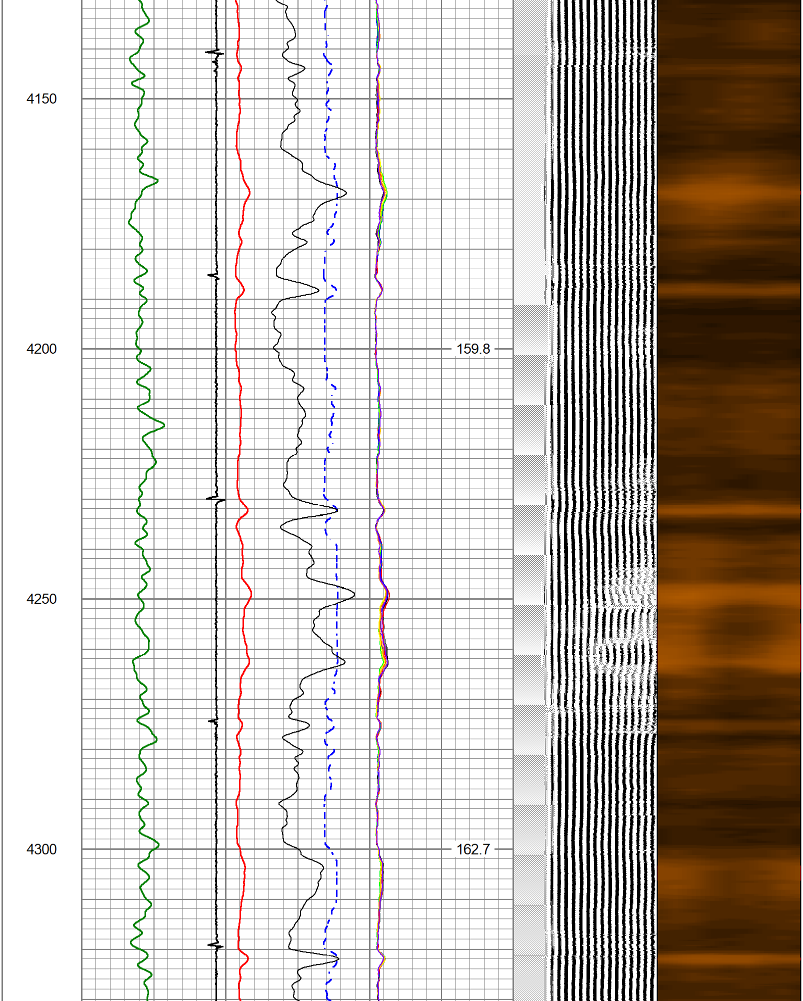
Database File	civitas ross 8-60 18-07-03.db
Dataset Pathname	pass5
Presentation Format	sfww_cbl_oasis-sectors (2)
Dataset Creation	Mon Jun 20 12:42:03 2022
Charted by	Depth in Feet scaled 1:240

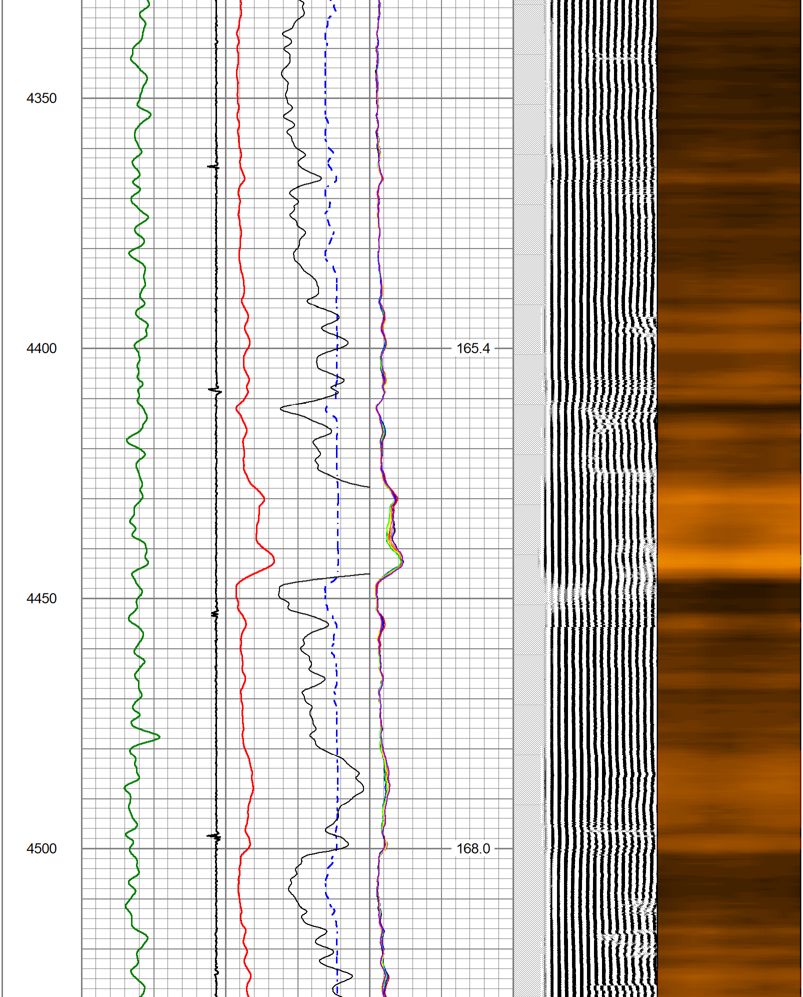
-2 CCL 2	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 RADIAL MAP 8
0 GR (GAPI) 150	650 TT (usec) 150	0 AMPS2 150		
	0 AMPx5 (mV) 20	0 AMPS3 150		
		0 AMPS4 150		
		0 AMPS5 150		
		0 AMPS6 150		
		0 AMPS7 150		
		0 AMPS8 150		
		GCT_Temp (degF)		

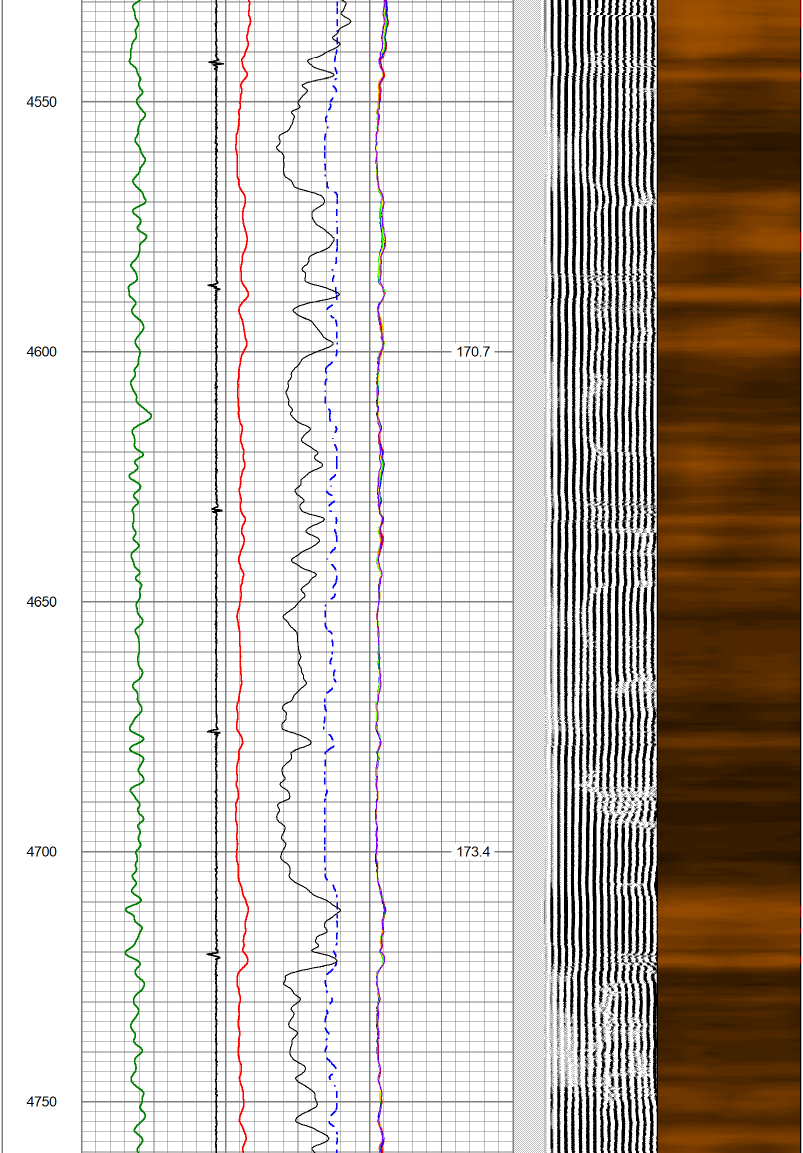


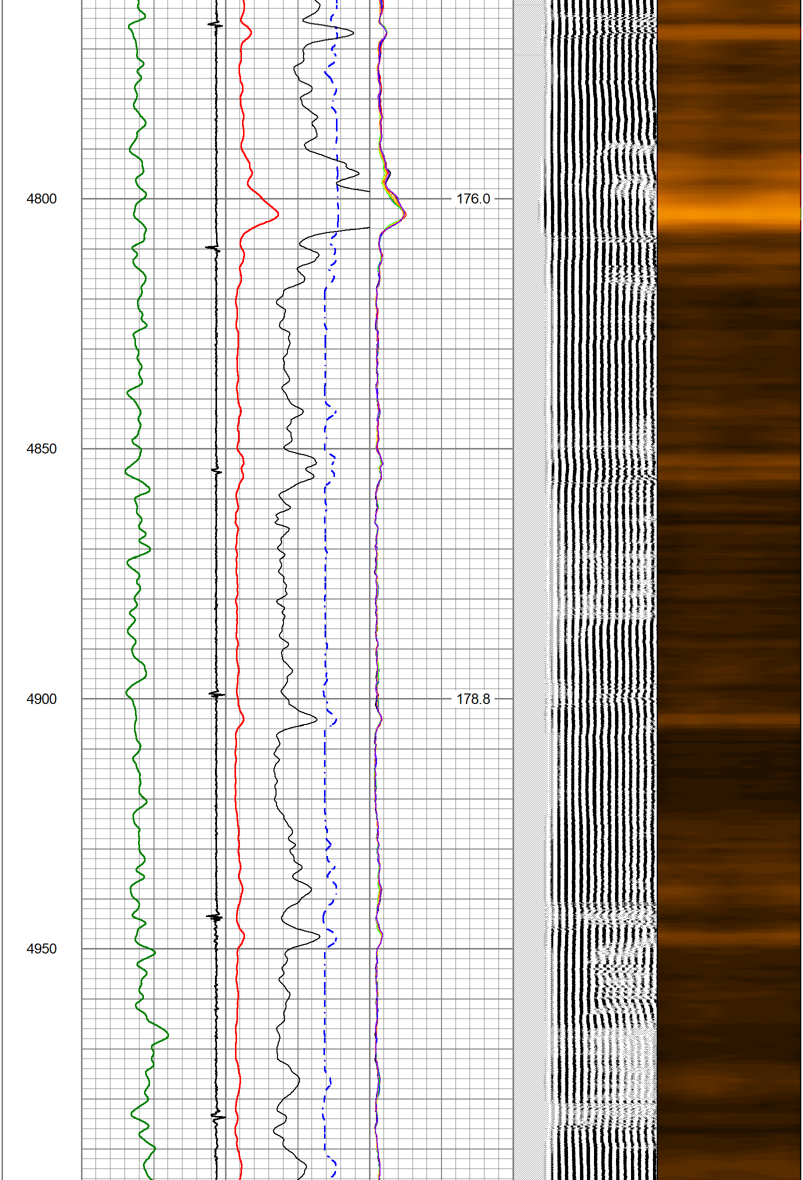


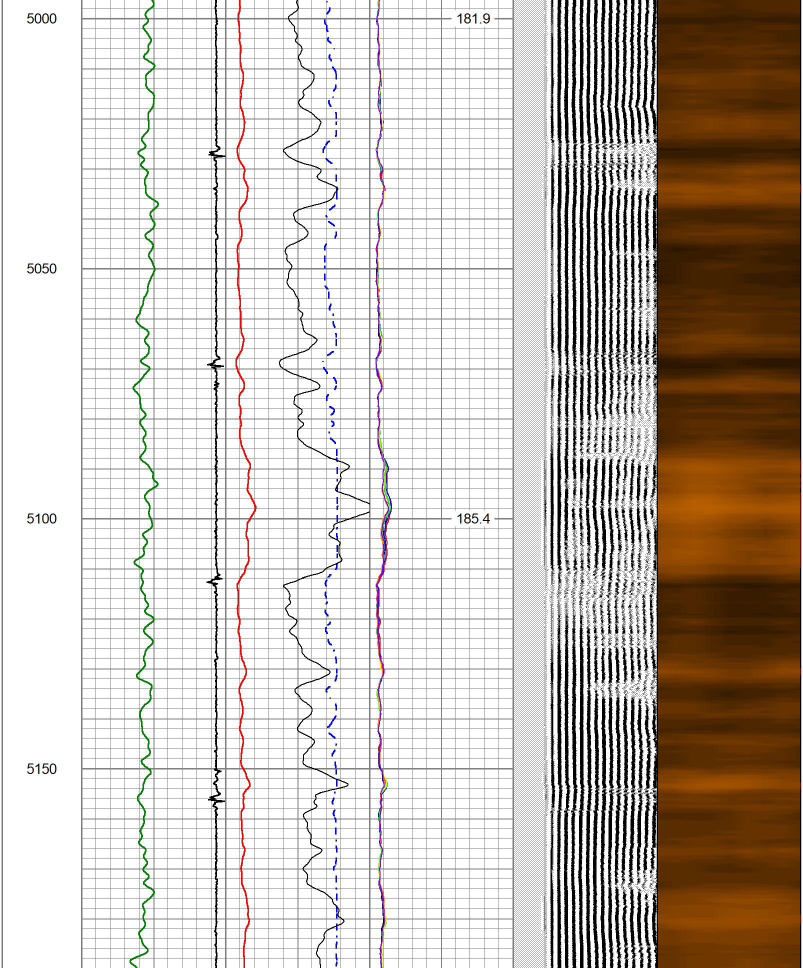


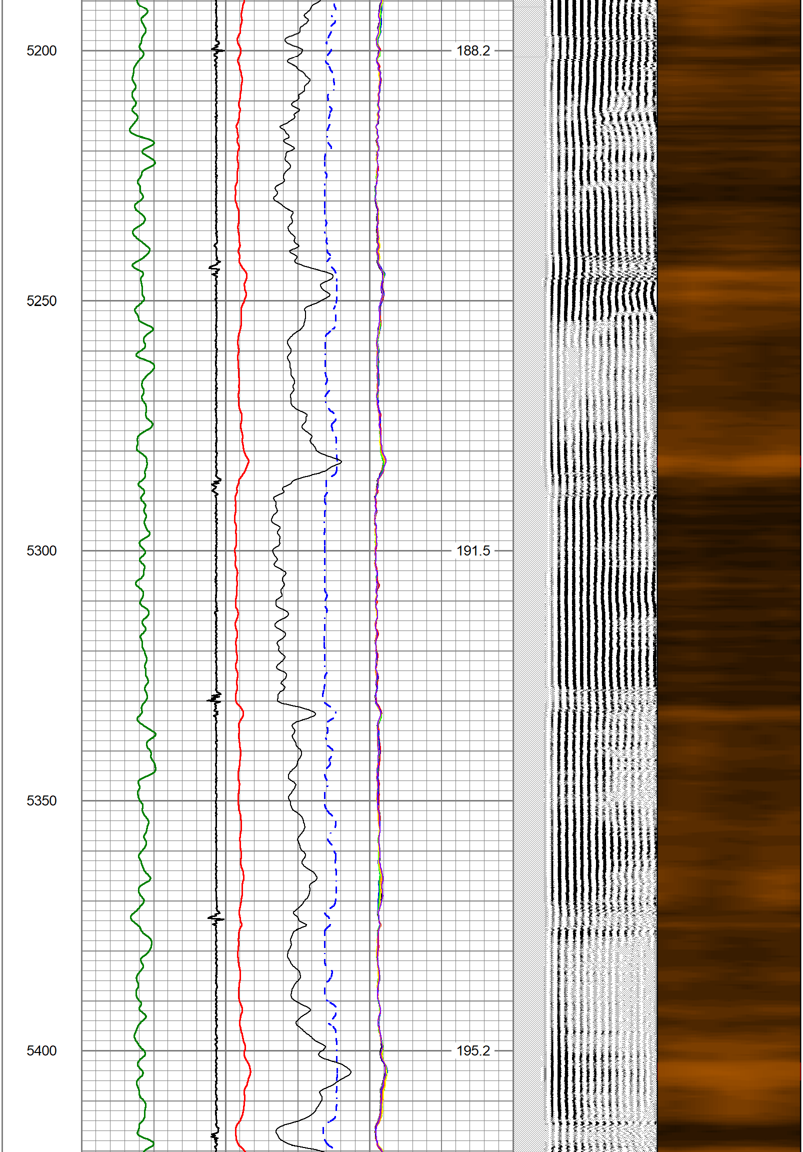


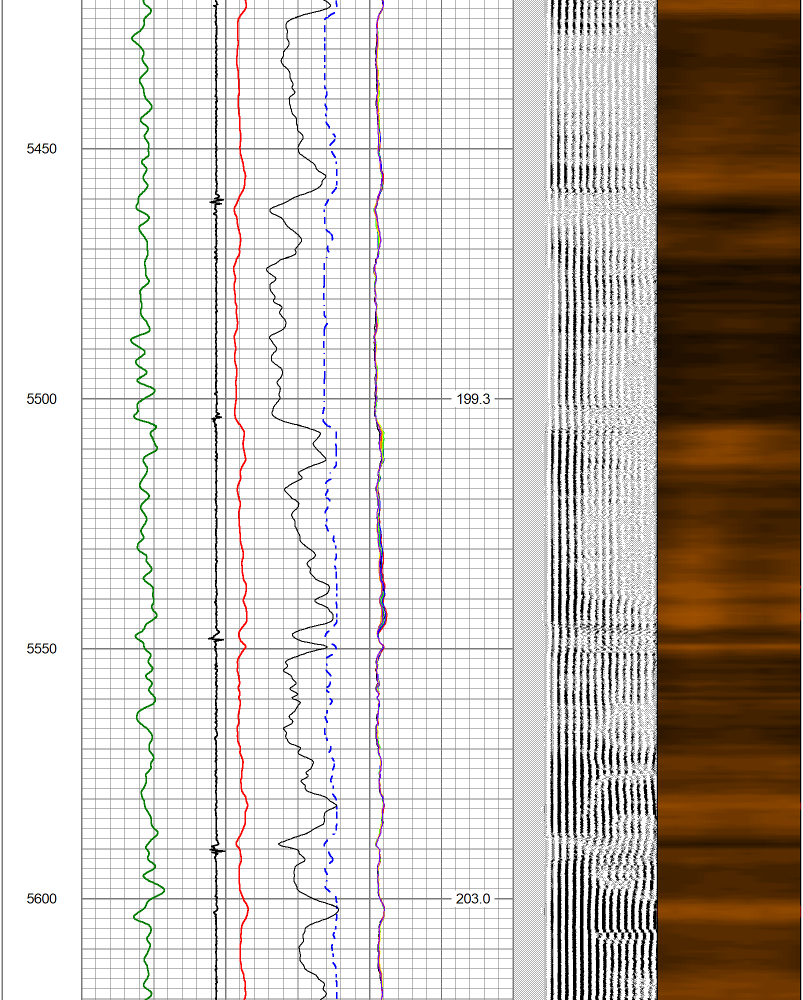


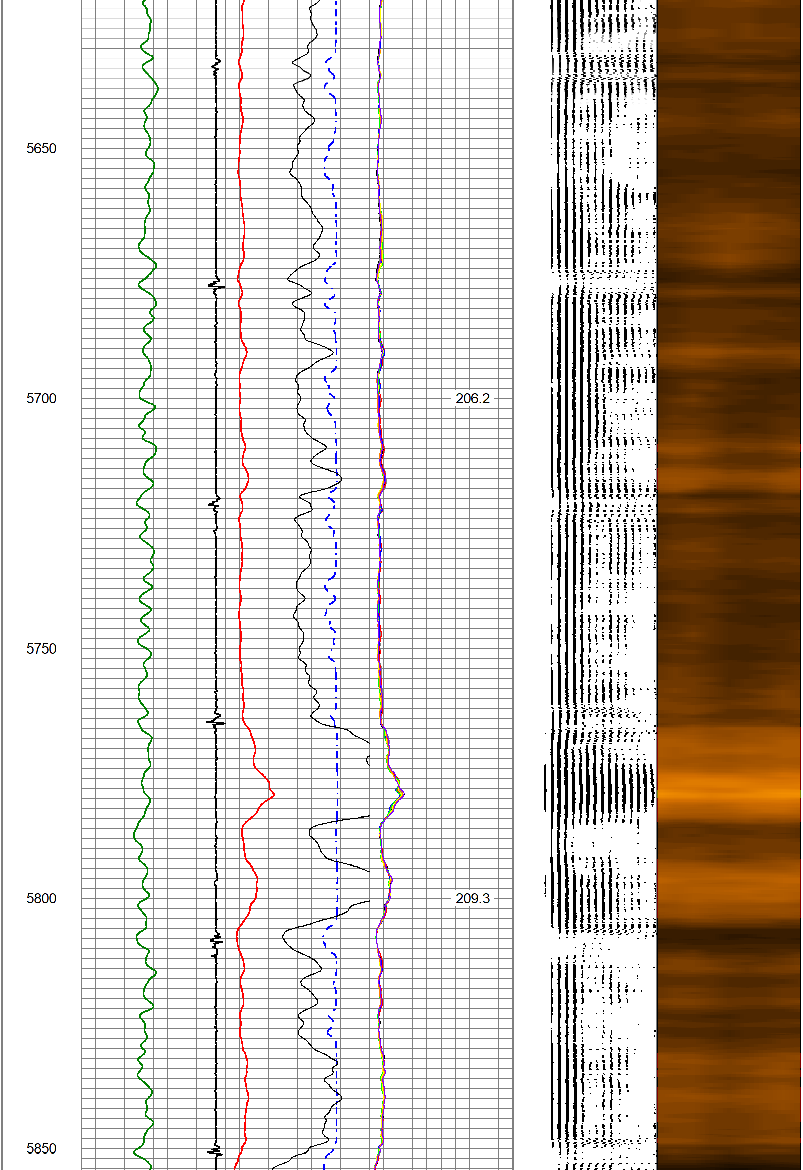


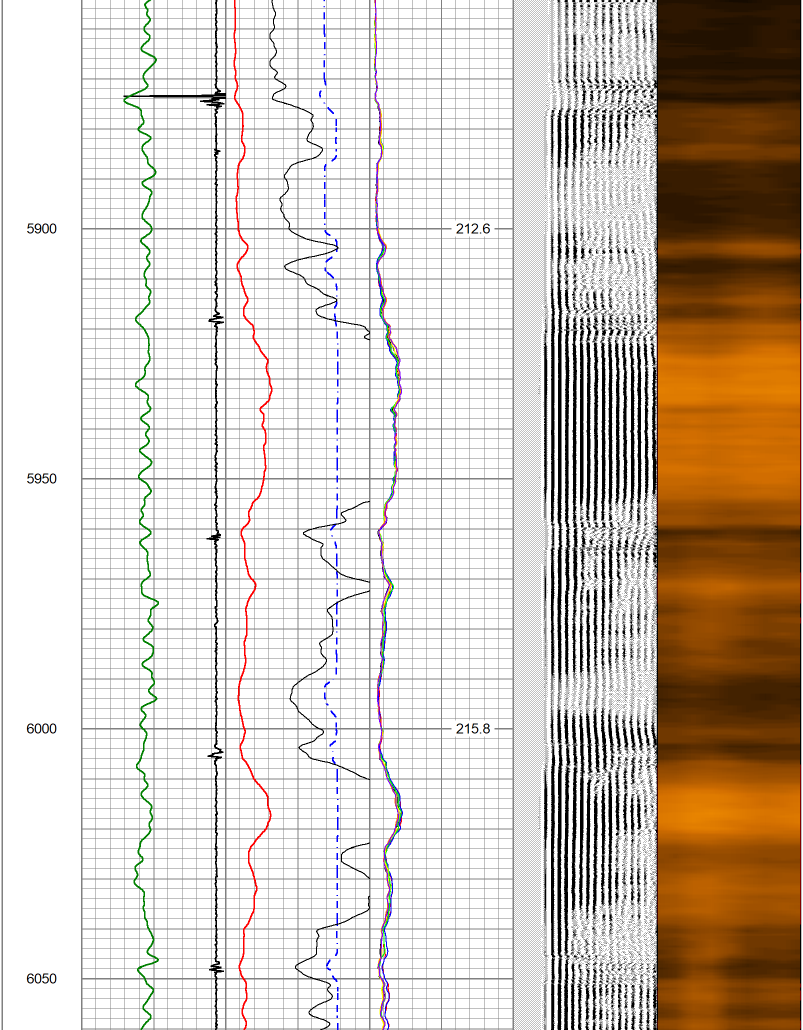


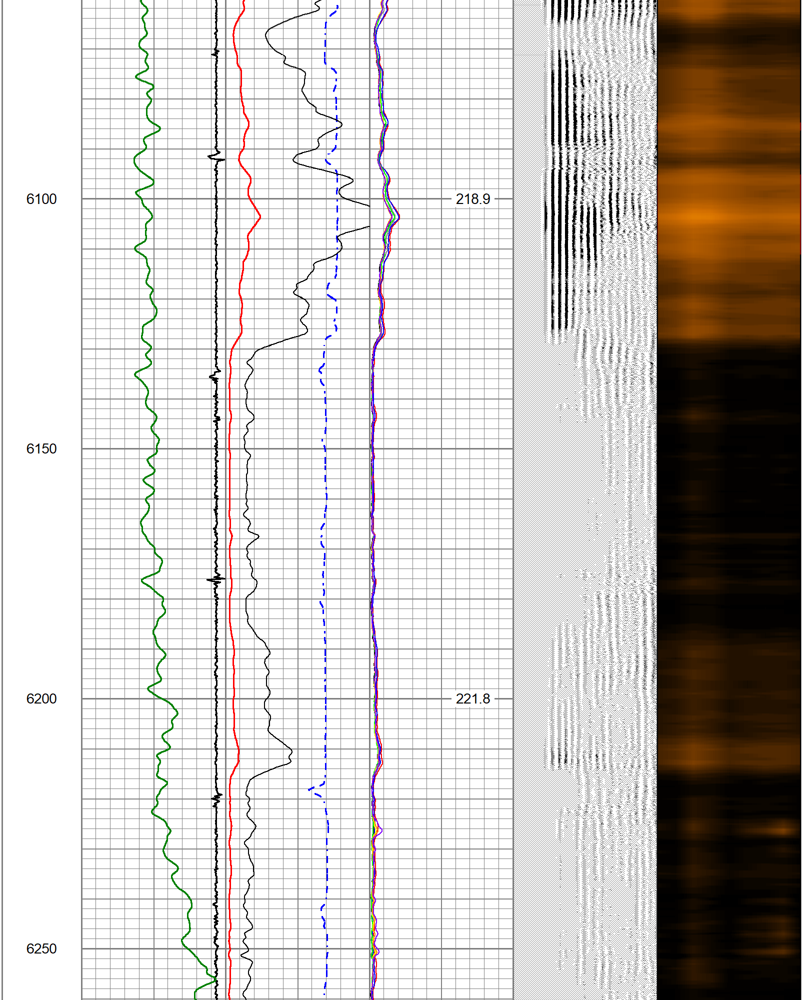


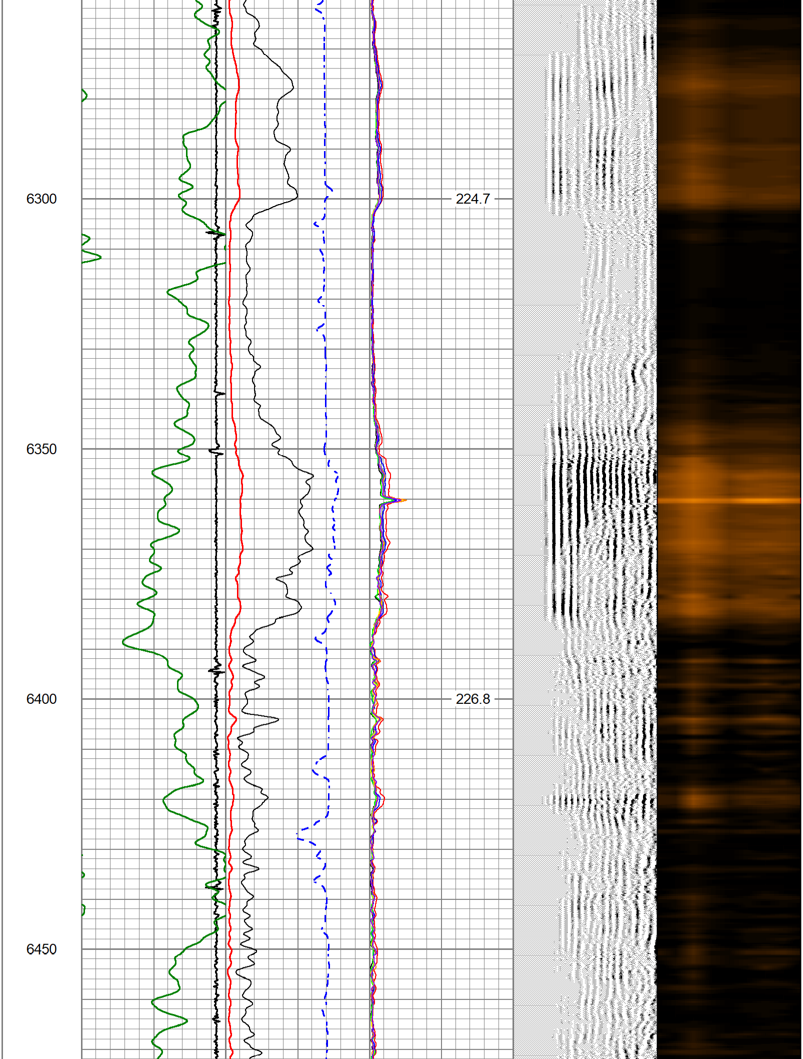


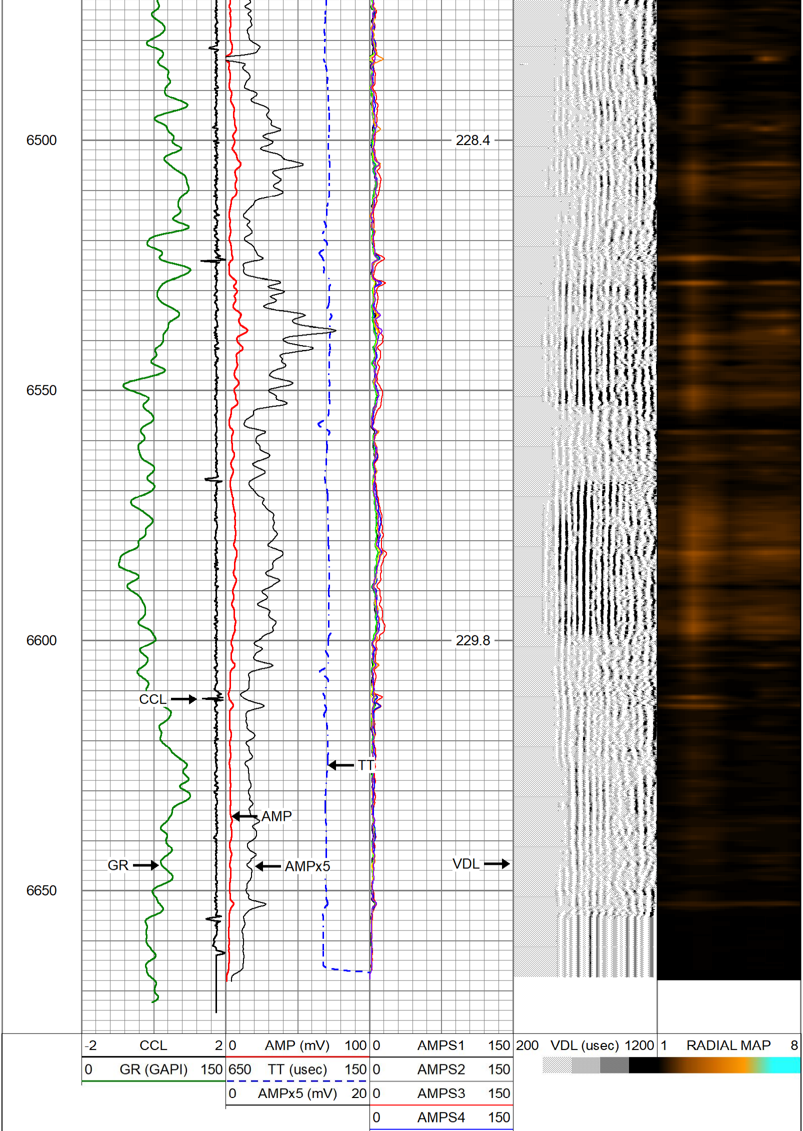










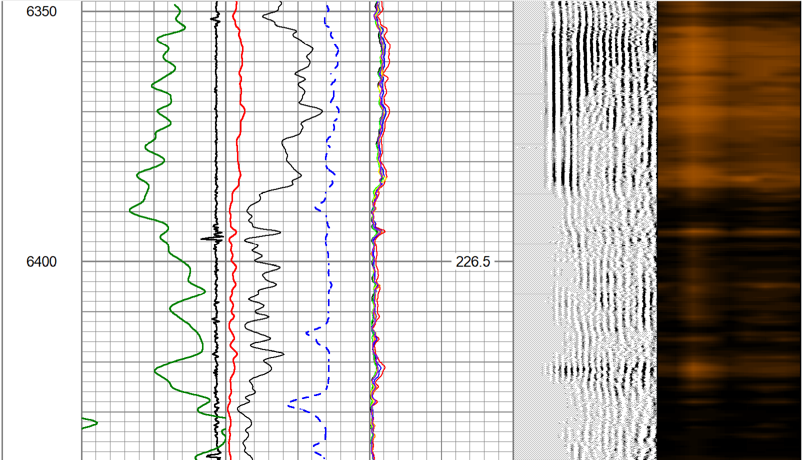


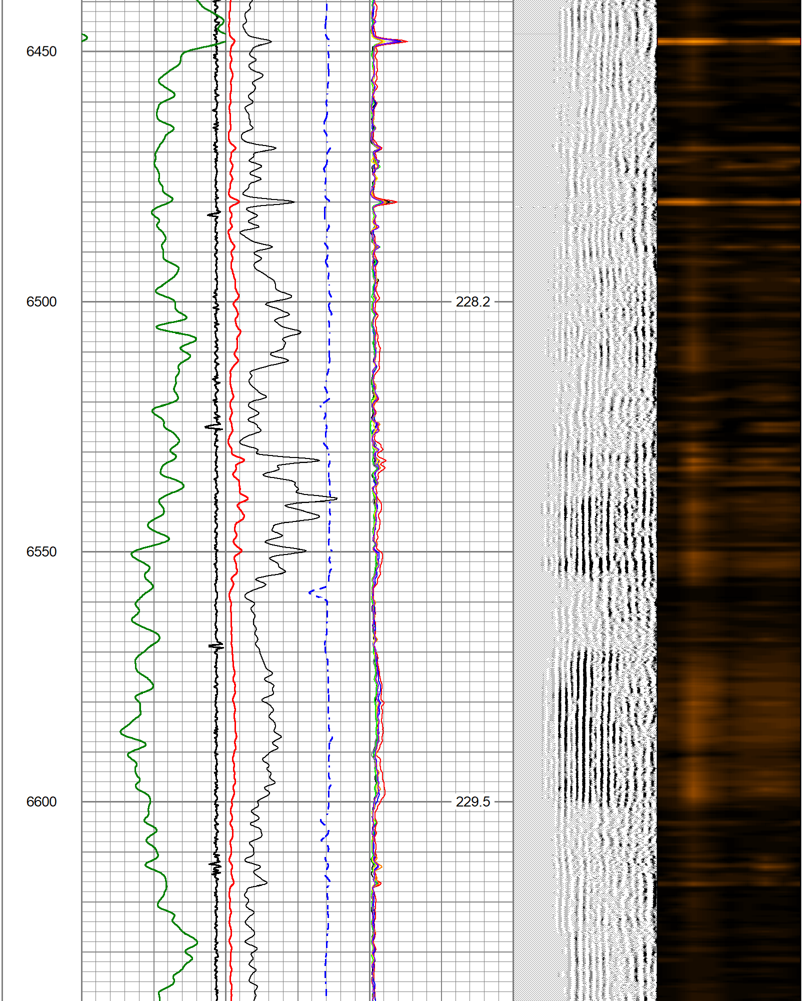
0 AMPS5 150
0 AMPS6 150
0 AMPS7 150
0 AMPS8 150
GCT_Temp
(degF)

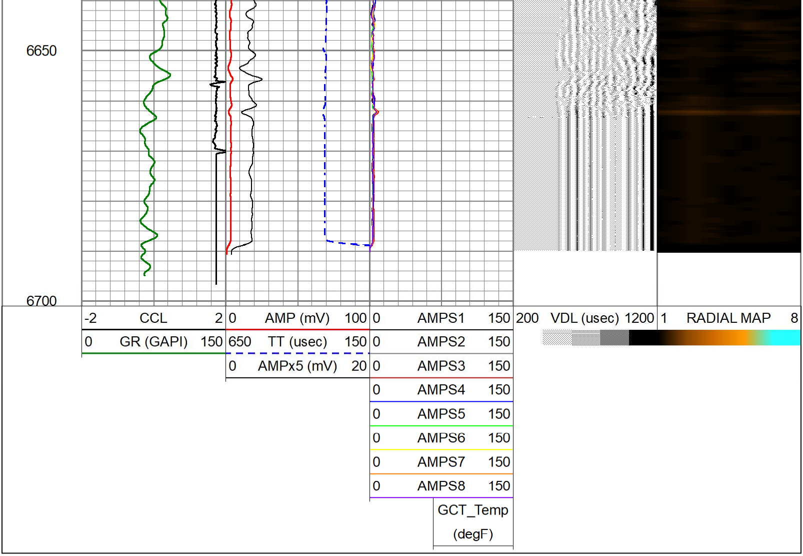
REPEAT SECTION

Database File	civitas ross 8-60 18-07-03.db
Dataset Pathname	pass4
Presentation Format	sfww_cbl_oasis-sectors (2)
Dataset Creation	Mon Jun 20 12:35:24 2022
Charted by	Depth in Feet scaled 1:240

-2 CCL 2
0 GR (GAPI) 150
0 AMP (mV) 100
650 TT (usec) 150
0 AMPx5 (mV) 20
0 AMPS1 150
0 AMPS2 150
0 AMPS3 150
0 AMPS4 150
0 AMPS5 150
0 AMPS6 150
0 AMPS7 150
0 AMPS8 150
GCT_Temp
(degF)
200 VDL (usec) 1200
1 RADIAL MAP 8







Calibration Report

Database File	civitas ross 8-60 18-07-03.db
Dataset Pathname	pass5
Dataset Creation	Mon Jun 20 12:42:03 2022

Gamma Ray Calibration Report

Serial Number:	FW1905-098	
Tool Model:	GCT275-0000	
Performed:	Mon May 4 14:03:10 2020	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.5800	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1905-055	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	198.417	ft

Master Calibration, performed Mon Jun 20 06:56:29 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.359	0.800	71.921	52.339	0.780
CAL	-0.000	1.817				
5'	-0.000	1.324	0.800	71.921	53.722	0.818
SUM						
S1	0.001	1.309	0.000	71.921	54.955	-0.040
S2	0.001	1.335	0.000	71.921	53.891	-0.032
S3	0.000	1.335	0.000	71.921	53.886	-0.012
S4	-0.001	1.371	0.000	71.921	52.439	0.038
S5	0.000	1.354	0.000	71.921	53.136	-0.008
S6	0.001	1.301	0.000	71.921	55.338	-0.063
S7	0.000	1.297	0.000	71.921	55.459	-0.026
S8	0.000	1.313	0.000	71.921	54.813	-0.025

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.000	1.817	1.000	0.000

Air Zero Calibration, performed Tue Sep 21 11:19:14 2021:

	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