Cutters
Wireline Service, Inc.
A Cased Hole Wireline Company

SECTOR BOND LOG
GR /CCL

Company CHEVRON
Well CARNEY #4-34
Field RANGLEY
County RIO BLANCO
State COLORADO

Company CHEVRON
Well CARNEY #4-34
Field RANGLEY
County RIO BLANCO State COLORADO

Location: API # :

SEC 34 TWP 2N RGE 102W

Other Services
NONE

Permanent Datum GL Elevation
Log Measured From WEATHERFORD
Drilling Measured From WEATHERFORD

Elevation
K.B. 5275'
D.F. 5274'
G.L. 5263'

Date	11 MAY 2017		
Run Number	1		
Depth Driller	5480'		
Depth Logger	2350'		
Bottom Logged Interval	2350'		
Top Log Interval	0'		
Open Hole Size	N/A		
Type Fluid	H2O		
Density / Viscosity	N/A		
Max. Recorded Temp.	N/A		
Estimated Cement Top	SEE LOG		
Time Well Ready	1730		
Time Logger on Bottom	1800		
Equipment Number	W-143		
Location	VERNAL, UT		
Recorded By	S. STUMP		
Witnessed By	TERRI		

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	7"	23#	0'	5480'
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 CORROLATED TO WEATHERFORD CBL

0 PSI ON WELL WHILE LIGGING

P.O. # 20226

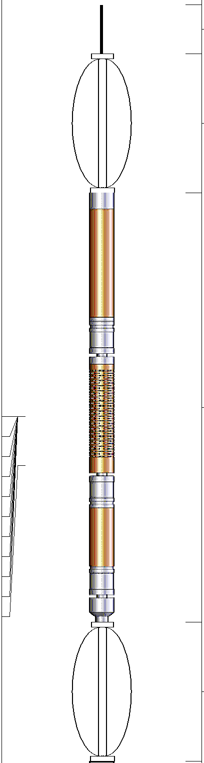
Log Variables

Database:C:\Warrior\Data\chevron_so20226.db
Dataset: field/well/run1/MAINPASS

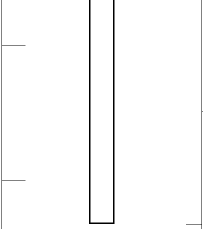
Top - Bottom

PPT	CASEWGHT	MAXAMPL	MINAMPL	MINATTN	MinAPIWall	CASEID	SRFTEMP
usec	lb/ft	mV	mV	db/ft	in	in	degF
0	23	0	1.4	0.08	6.235	6.366	0

CASEOD	PERFS	TDEPTH	BOTTEMP	BOREID
in		ft	degF	in
7	0	0	93	8.75

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Titan 1 7/16" Cable Head	1.00	1.44	1.00
			Probe	2.83	2.75	40.00
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.62 11.62 11.62 11.62 11.62 11.62 11.62 11.62 11.62 11.62 10.62		RBT-Probe (060112_55) Probe 2.75" Radii Bond Tool	8.75	2.75	90.00
			Probe	2.83	2.75	40.00

CCL	3.64				
		GR-Probe (060108) Probe 2.75" 4 Channel Pulse	4.60	2.75	30.00
GR	0.90				



Dataset: chevron_so20226.db: field/well/run1/MAINPASS
Total Length: 20.02 ft
Total Weight: 201.00 lb
O.D. 2.75 in

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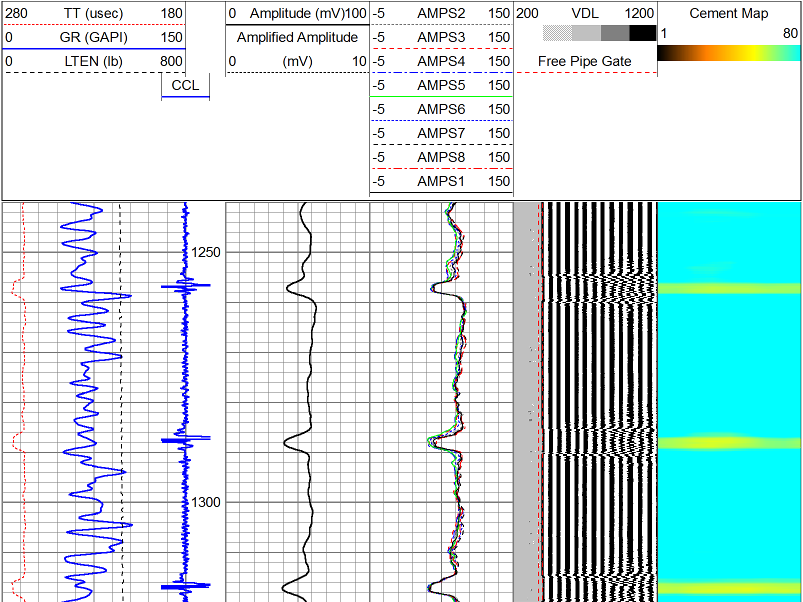
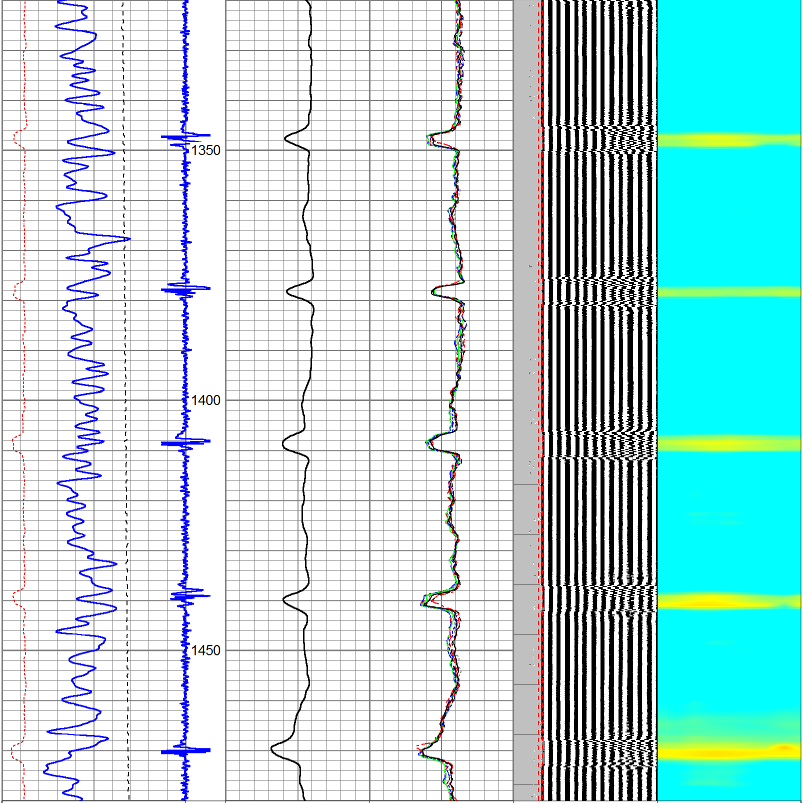
FREE PIPE PASS

0 PSI ON WELL WHILE LOGGING

Database File: chevron_so20226.db
Dataset Pathname: FREEPIPE
Presentation Format: rbl55
Dataset Creation: Thu May 11 19:43:07 2017 by Calc SCH 120430
Charted by: Depth in Feet scaled 1:240





280 TT (usec) 180

0 GR (GAPI) 150

0 LTEN (lb) 800

CCL

0 Amplitude (mV)100

Amplified Amplitude

0 (mV) 10

-5 AMPS2 150

-5 AMPS3 150

-5 AMPS4 150

-5 AMPS5 150

-5 AMPS6 150

-5 AMPS7 150

-5 AMPS8 150

-5 AMPS1 150

200 VDL 1200

Free Pipe Gate

Cement Map

1 80

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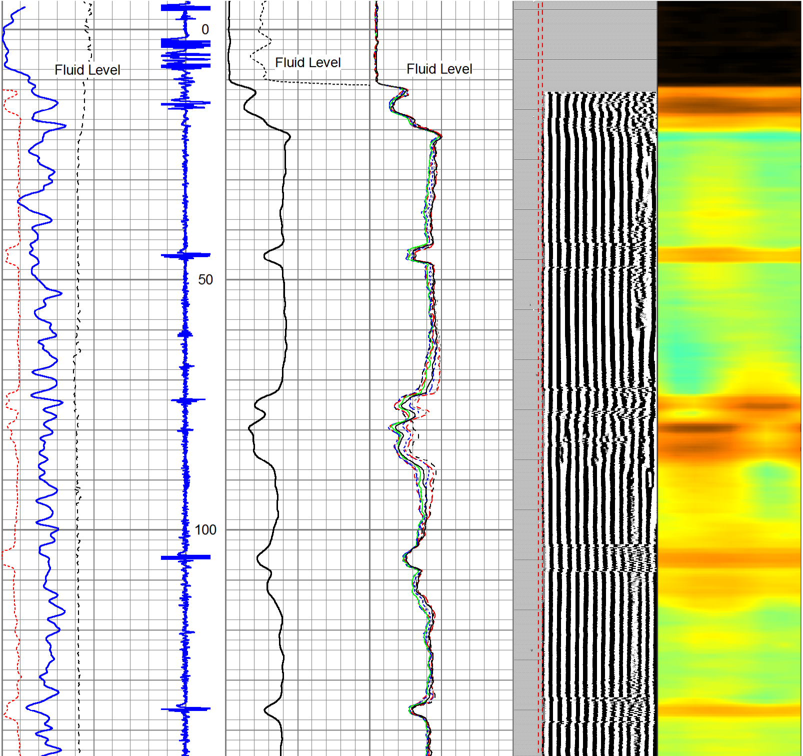
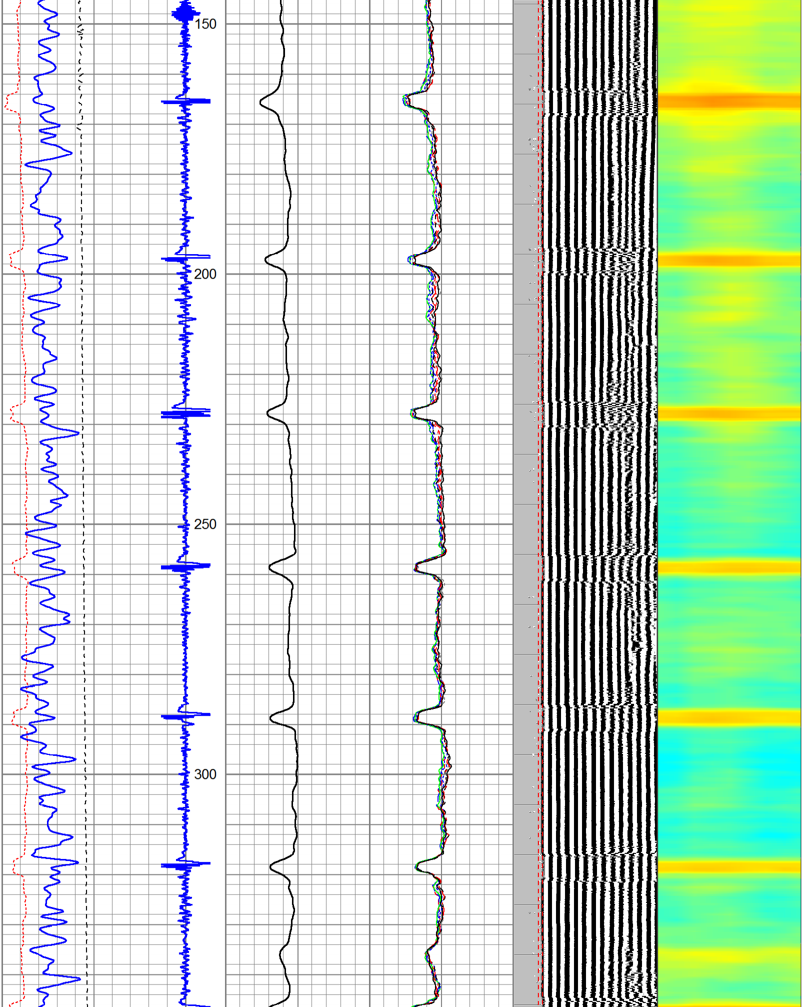
MAIN PASS

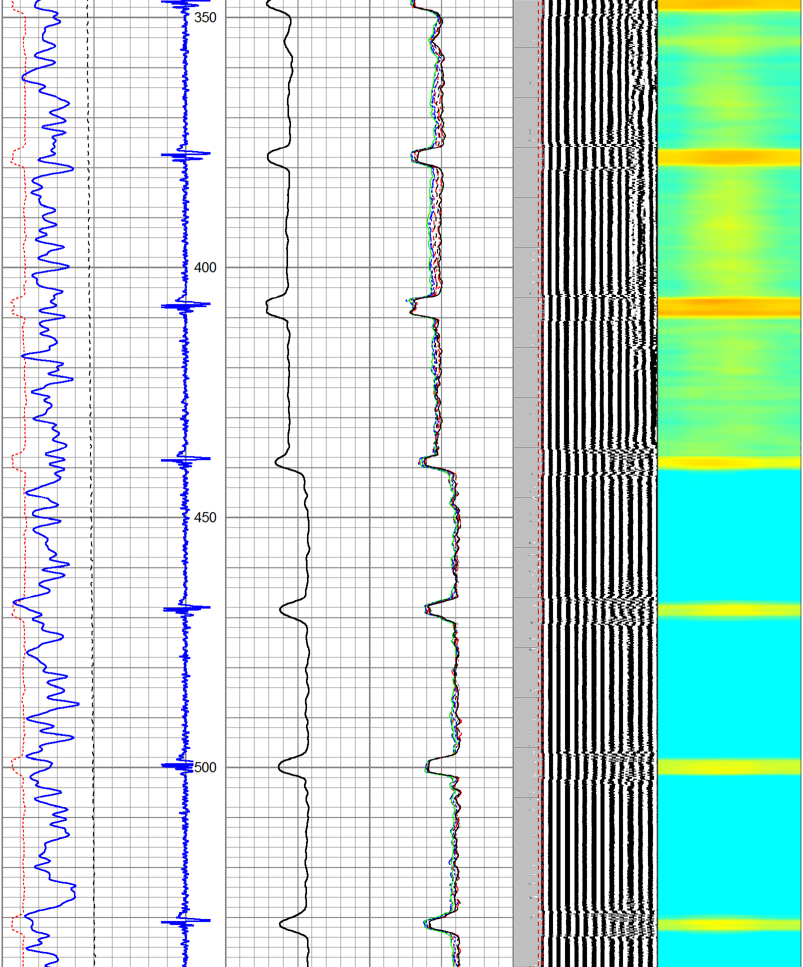
0 PSI ON WELL WHILE LOGGING

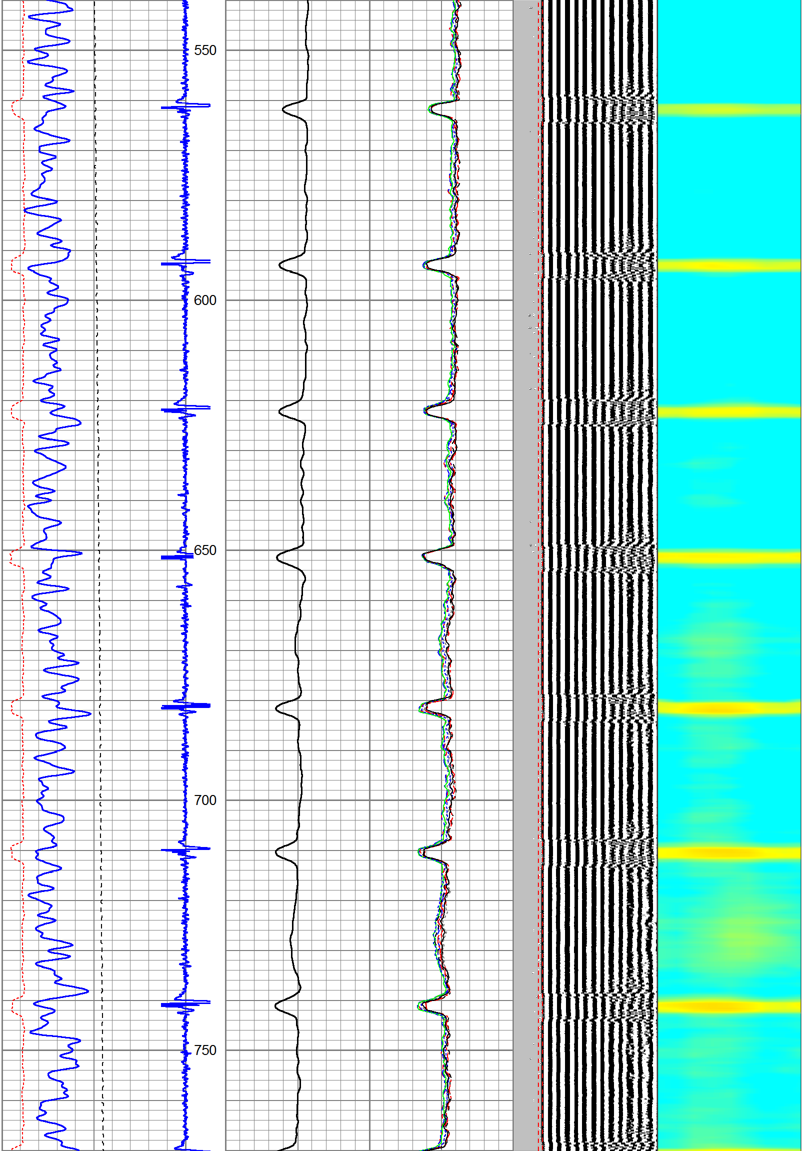
Database File:	chevron_so20226.db
Dataset Pathname:	MAINPASS
Presentation Format:	rbl55
Dataset Creation:	Thu May 11 19:35:18 2017 by Calc SCH 120430
Charted by:	Depth in Feet scaled 1:240

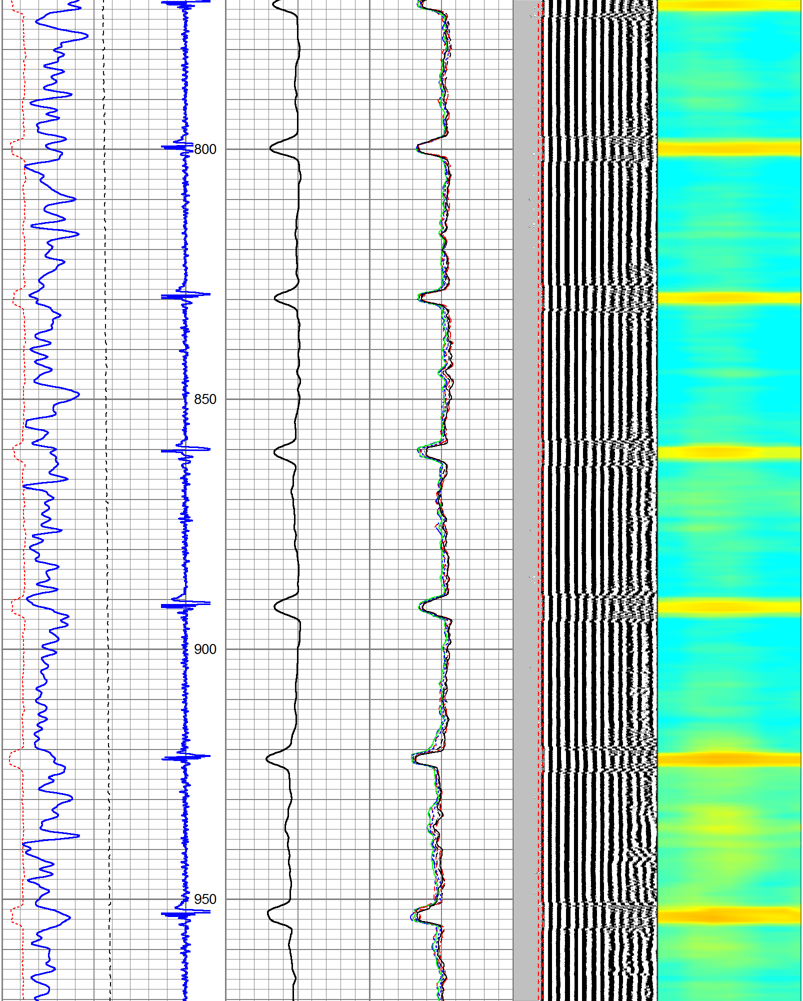
280	TT (usec)	180
0	GR (GAPI)	150
0	LTEN (lb)	800
	CCL	
0	Amplitude (mV)	100
	Amplified Amplitude	
0	(mV)	10
-5	AMPS2	150
-5	AMPS3	150
-5	AMPS4	150
-5	AMPS5	150
-5	AMPS6	150
-5	AMPS7	150
-5	AMPS8	150
-5	AMPS1	150
200	VDL	1200
	Free Pipe Gate	
	Cement Map	
1		80

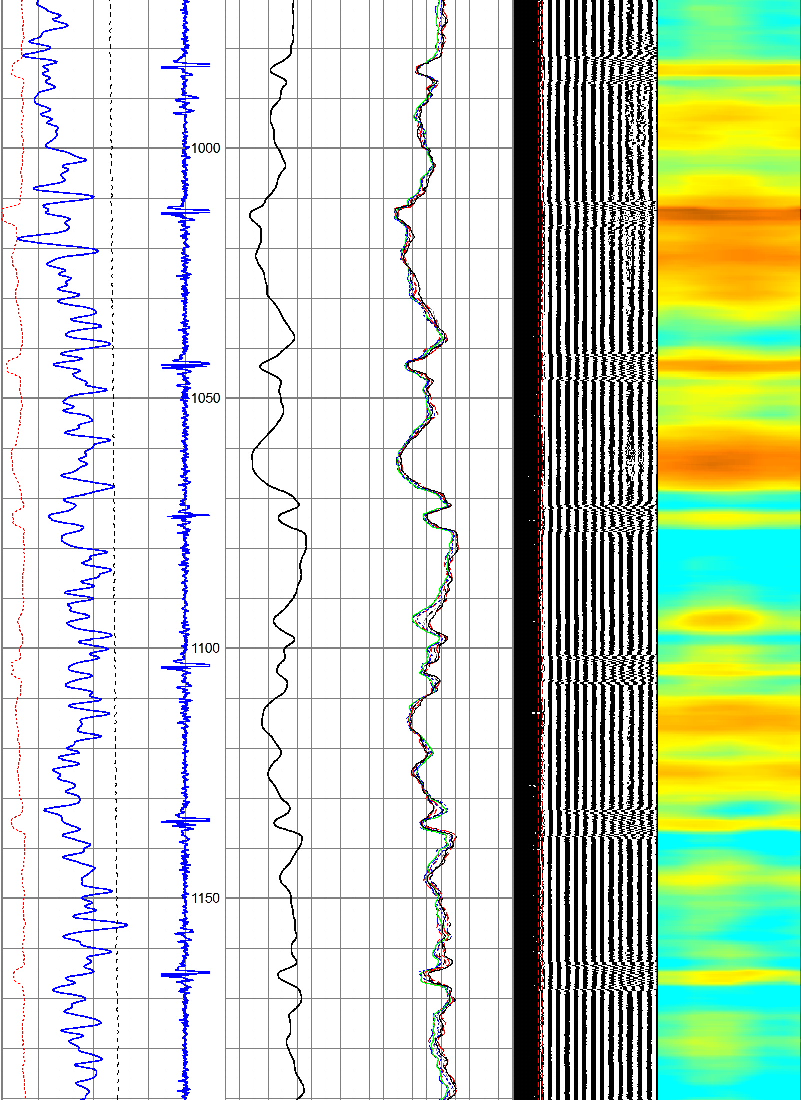


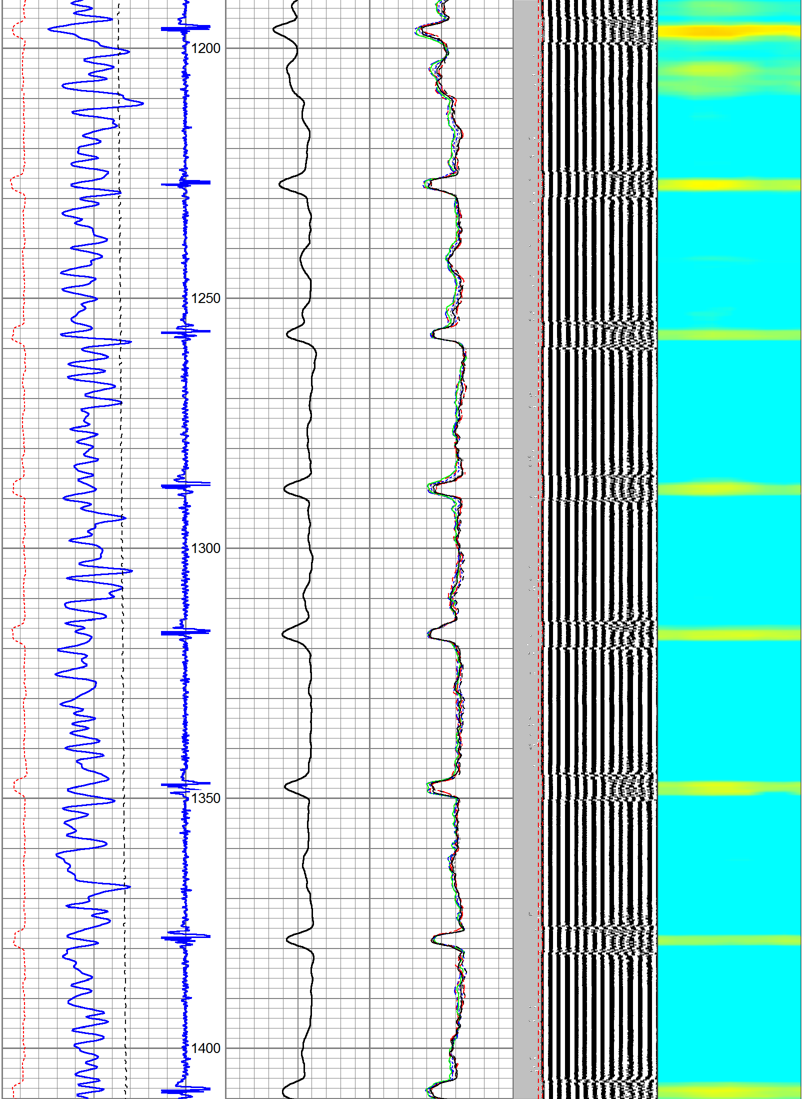


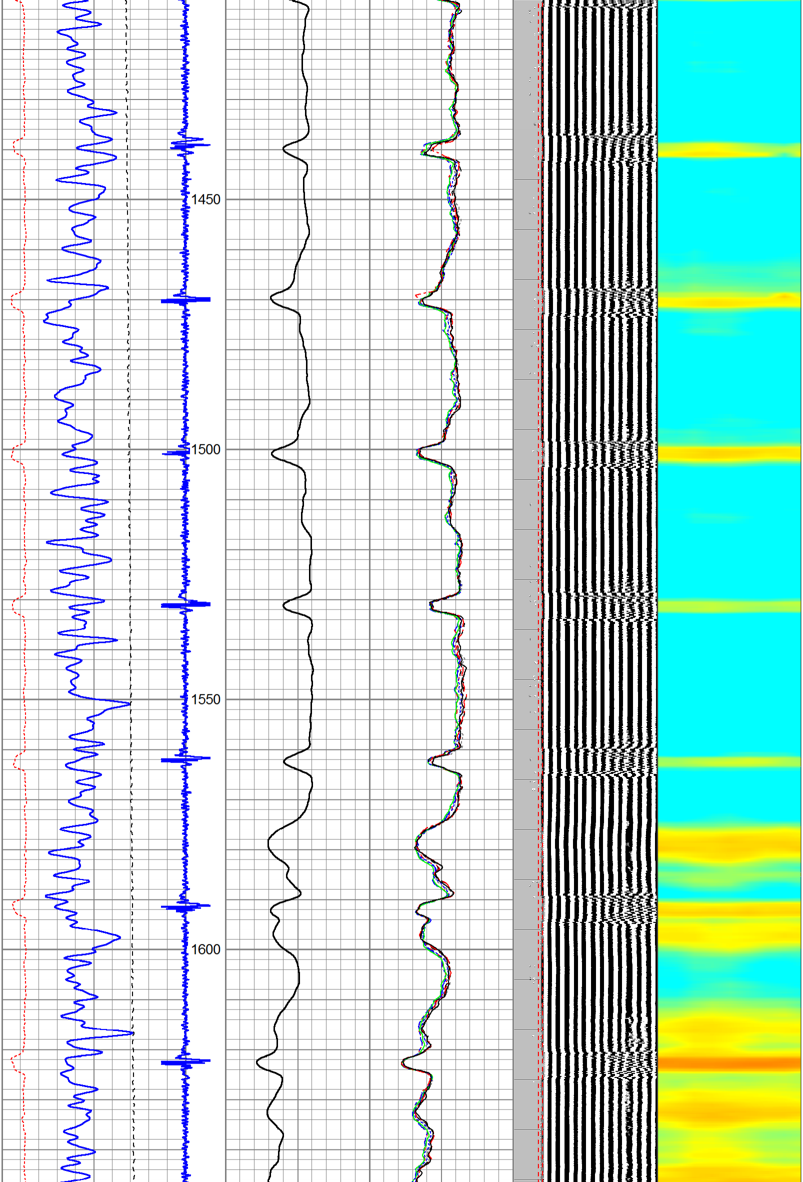


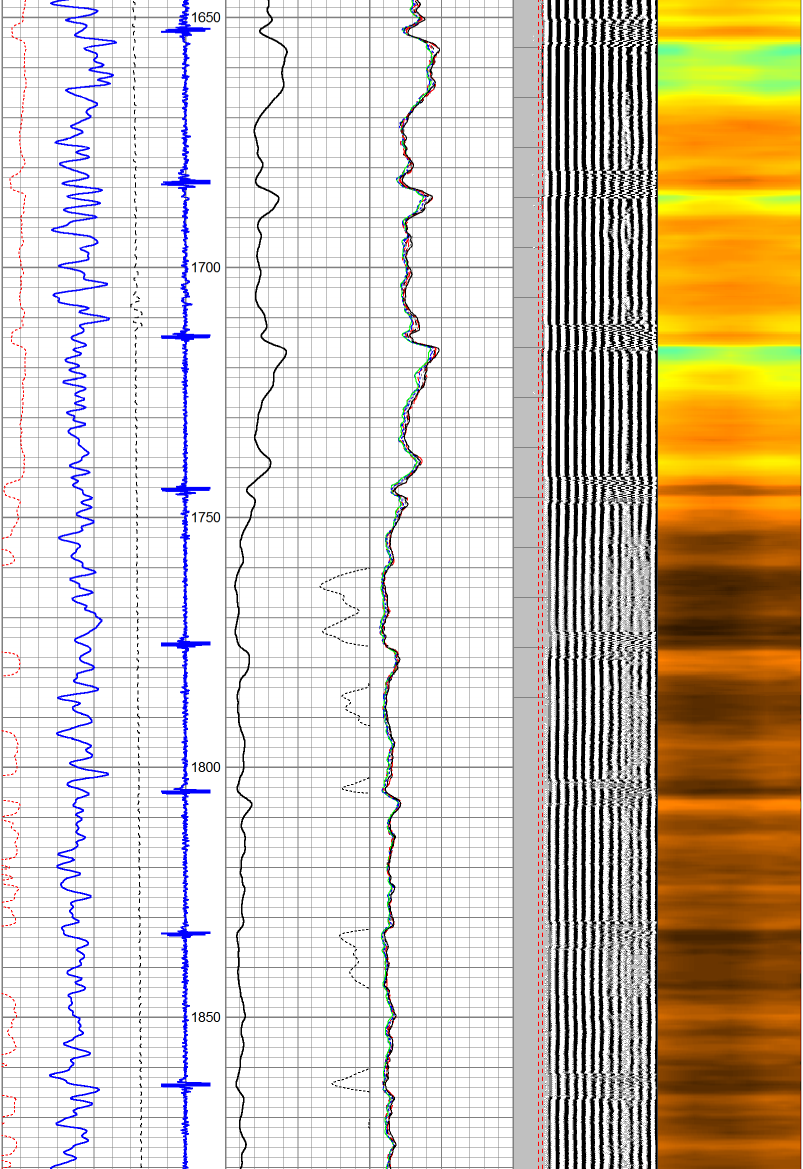


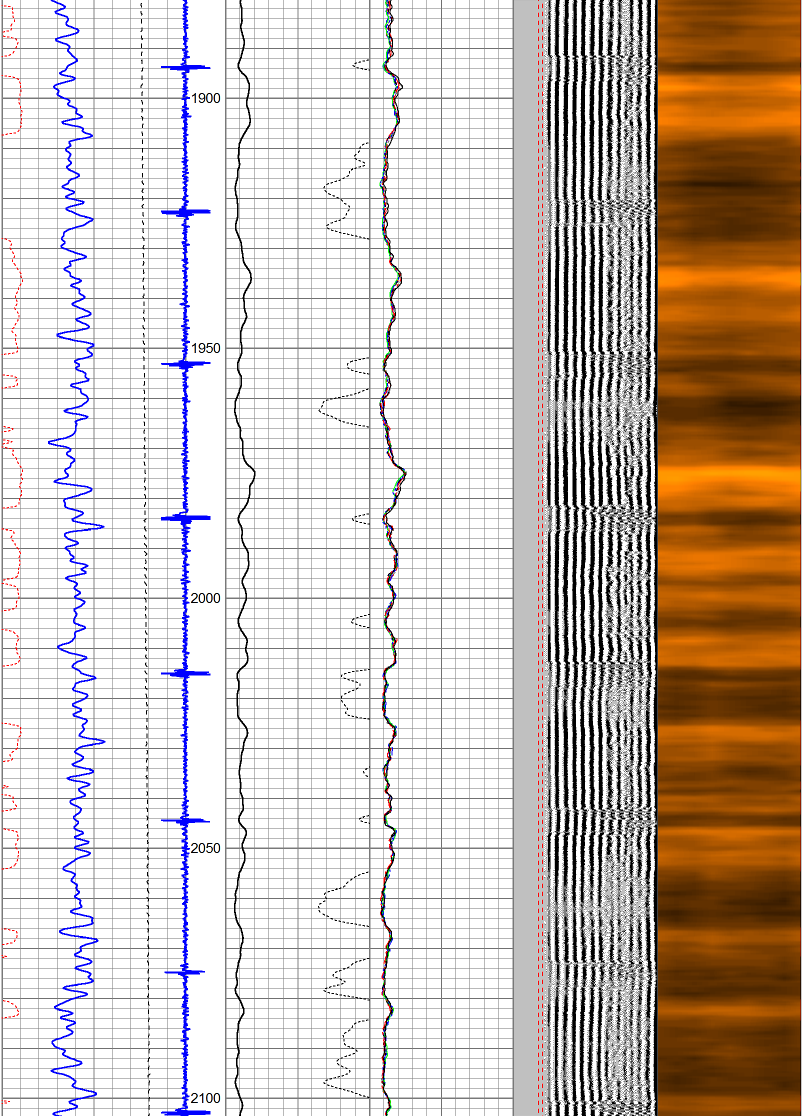


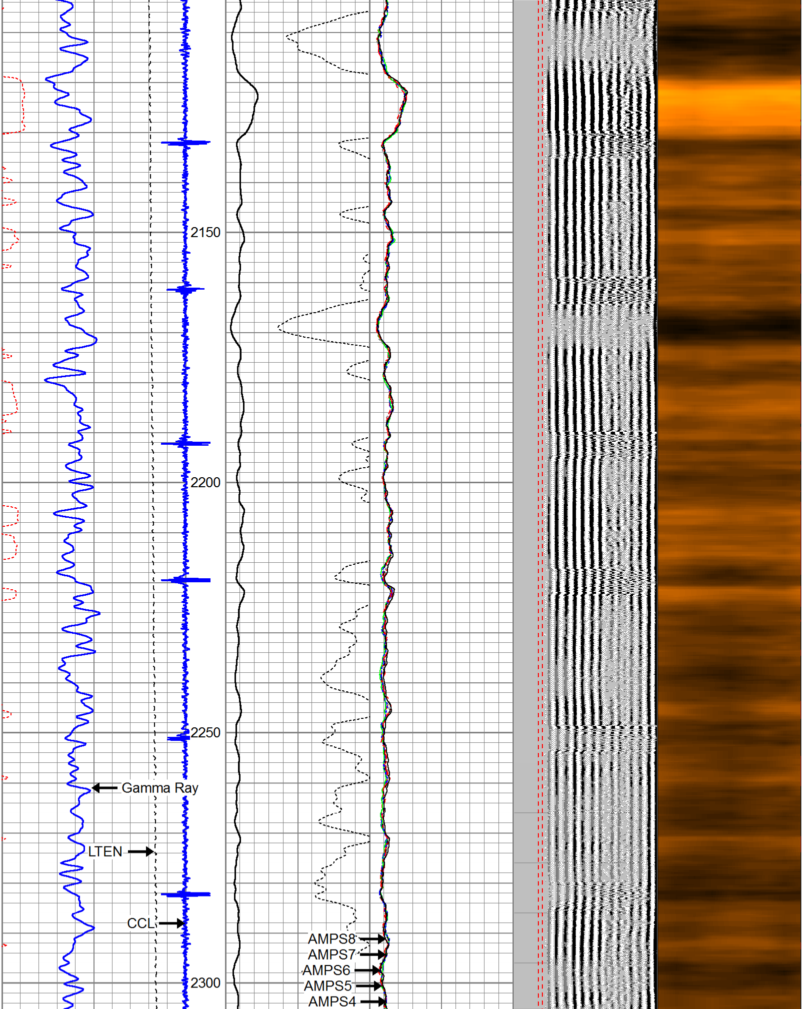


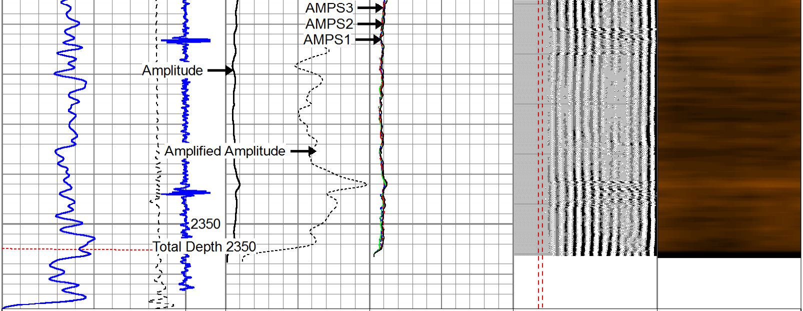












280 TT (usec) 180	0 Amplitude (mV) 100	-5 AMPS2 150	200 VDL 1200	Cement Map
0 GR (GAPI) 150	Amplified Amplitude	-5 AMPS3 150		1 80
0 LTEN (lb) 800	0 (mV) 10	-5 AMPS4 150	Free Pipe Gate	
CCL		-5 AMPS5 150		
		-5 AMPS6 150		
		-5 AMPS7 150		
		-5 AMPS8 150		
		-5 AMPS1 150		

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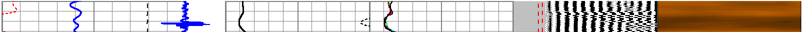
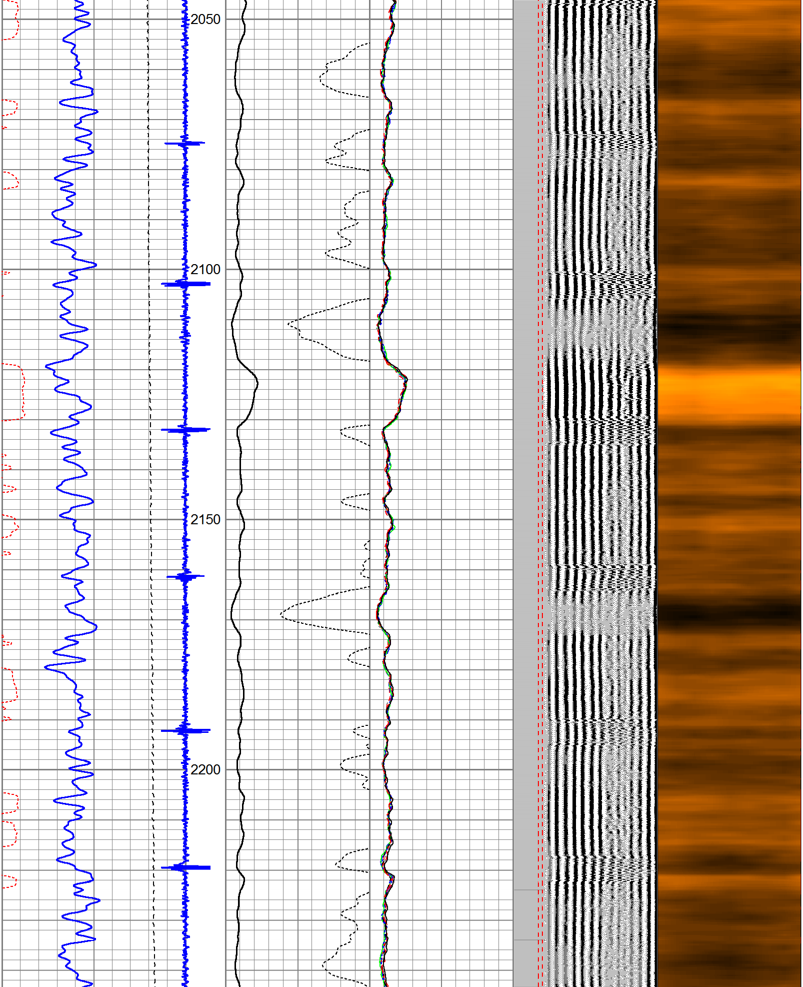
REPEAT SECTION

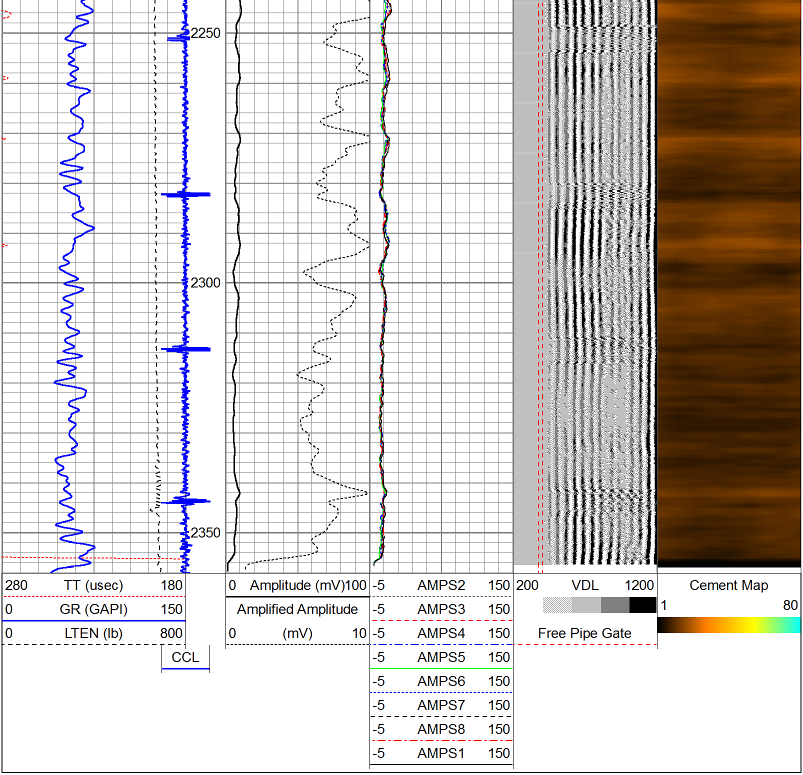
0 PSI ON WELL WHILE LOGGING

Database File: chevron_so20226.db
Dataset Pathname: repeat
Presentation Format: rbl55
Dataset Creation: Thu May 11 19:27:15 2017 by Calc SCH 120430
Charted by: Depth in Feet scaled 1:240

280 TT (usec) 180	0 Amplitude (mV) 100	-5 AMPS2 150	200 VDL 1200	Cement Map
0 GR (GAPI) 150	Amplified Amplitude	-5 AMPS3 150		1 80
0 LTEN (lb) 800	0 (mV) 10	-5 AMPS4 150	Free Pipe Gate	
CCL		-5 AMPS5 150		
		-5 AMPS6 150		
		-5 AMPS7 150		
		-5 AMPS8 150		
		-5 AMPS1 150		







Calibration Report

Database File: chevron_so20226.db
Dataset Pathname: MAINPASS
Dataset Creation: Thu May 11 19:35:18 2017 by Calc SCH 120430

Gamma Ray Calibration Report

Serial Number: 060108
Tool Model: Probe
Performed: Thu Dec 01 11:13:23 2016

Calibrator Value: 160.0 GAPI

Background Reading: 80.7 cps
Calibrator Reading: 288.5 cps

Sensitivity: 0.7698 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	060112_55	
Tool Model:	Probe	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	1713.033	ft

Master Calibration, performed Thu May 11 19:35:12 2017:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.375	1.200	63.000	44.949	1.200
CAL	1.530	1.519				
5'	0.000	1.349	1.200	63.000	45.799	1.200
SUM						
S1	0.000	1.447	0.000	100.000	69.099	-0.001
S2	0.000	1.334	0.000	100.000	74.966	-0.001
S3	0.000	1.305	0.000	100.000	76.636	-0.001
S4	0.000	1.324	0.000	100.000	75.544	-0.001
S5	0.000	1.377	0.000	100.000	72.630	-0.001
S6	0.000	1.394	0.000	100.000	71.722	-0.001
S7	0.000	1.431	0.000	100.000	69.905	-0.001
S8	0.000	1.447	0.000	100.000	69.105	-0.001

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.530	1.519	1.000	0.000

Air Zero Calibration, performed Thu May 11 18:32:56 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

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