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Radial Cement Bond Log With VDL / CCL / GR And Cement Map

Company CONOCO PHILLIPS
Well STATE BLANCA 1H
Field NIOBRARA
County ARAPAHOE State Colorado

Location: API # : 05-005-07220
LAT: 39 DEG 38' 10.37" N LON: 104 DEG 36' 45.569" W
SEC 12 TWP 5S RGE 65W

Other Services
None

Permanent Datum Ground Level Elevation
Log Measured From Kelly Bushing
Drilling Measured From 24'

Elevation
K.B.
D.F.
G.L.

Date	20 JULY 2014
Run Number	One
Depth Driller	NA
Depth Logger	7751'
Bottom Logged Interval	7751'
Top Log Interval	1600'
Open Hole Size	UNK
Type Fluid	Water
Density / Viscosity	~8.34 #/Gal
Max. Recorded Temp.	NA
Estimated Cement Top	SEE LOG
Time Well Ready	10:00
Time Logger on Bottom	10:30
Equipment Number	P-96
Location	Fort Morgan
Recorded By	T. REESE
Witnessed By	JIM M.

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	2200'
Prot. String				
Production String	5.5"	23	24'	15218'
Liner				

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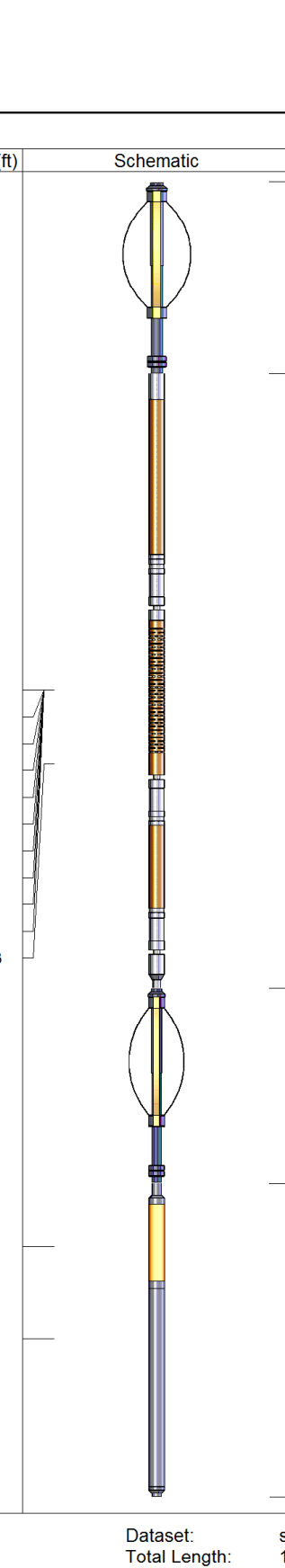
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 RAN UNDER 500 PSI



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CSS_MID	2.79	3.00	36.00
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 10.63	RBT-Probe (130433) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
		PTS275	2.83	2.75	
CCL GR	3.63 2.30	GR_CCL-Probe (111211) Probe Gamma CCL	4.54	2.75	100.00

Dataset: state blanca 1h.db: field/well/run1/pass6
Total Length: 19.08 ft
Total Weight: 226.00 lb
O.D. 3.00 in

Calibration Report

Database File: state blanca 1h.db
Dataset Pathname: pass6
Dataset Creation: Sun Jul 20 10:55:21 2014 by Log SCH 120430

Gamma Ray Calibration Report

Serial Number:	111211	
Tool Model:	Probe	
Performed:	Mon May 19 13:35:03 2014	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	130433	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	184.533	ft

Master Calibration, performed Sun Jul 20 10:29:04 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.015	1.533	1.000	72.000	46.770	0.318
CAL	0.015	0.381				
5'	0.015	1.617	1.000	72.000	44.325	0.347
SUM						
S1	0.015	1.509	0.000	100.000	66.921	-0.993
S2	0.015	1.527	0.000	100.000	66.140	-0.974
S3	0.015	1.530	0.000	100.000	66.013	-0.970
S4	0.015	1.557	0.000	100.000	64.840	-0.954
S5	0.015	1.577	0.000	100.000	64.026	-0.944
S6	0.015	1.597	0.000	100.000	63.203	-0.950
S7	0.015	1.597	0.000	100.000	63.207	-0.958
S8	0.015	1.556	0.000	100.000	64.874	-0.965

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	0.015	0.381	1.000	0.000

Air Zero Calibration, performed Mon Jun 16 13:41:42 2014:

	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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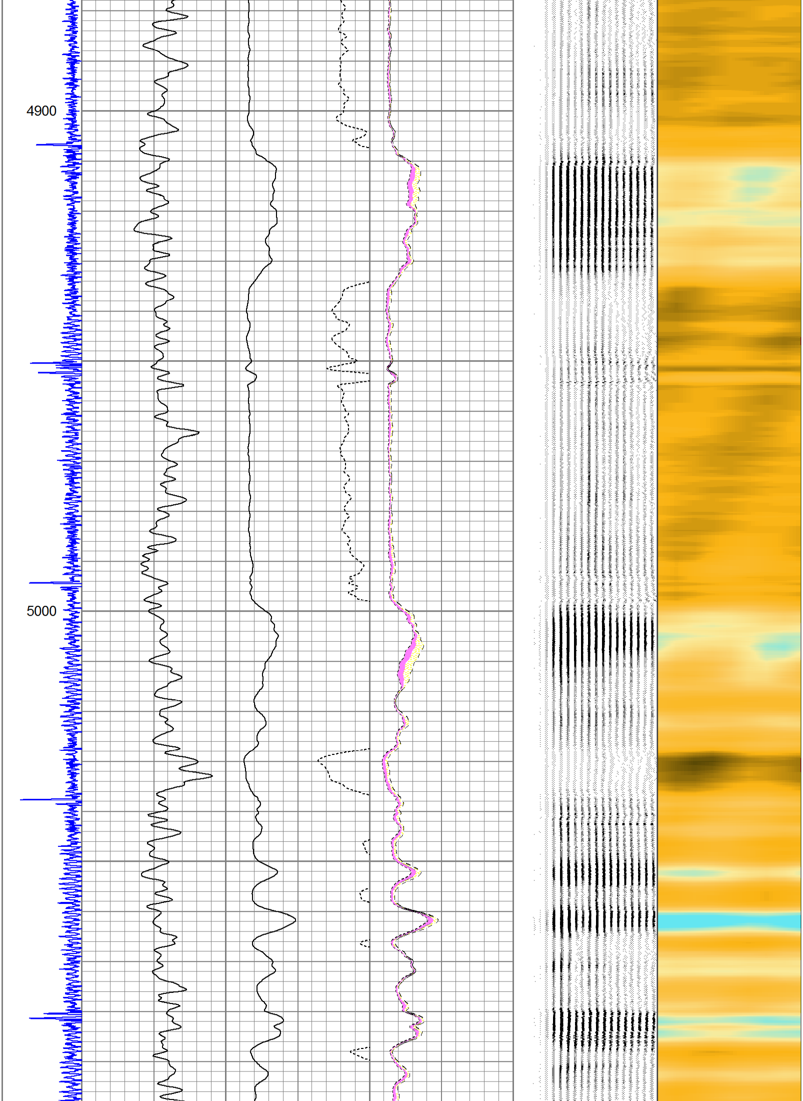
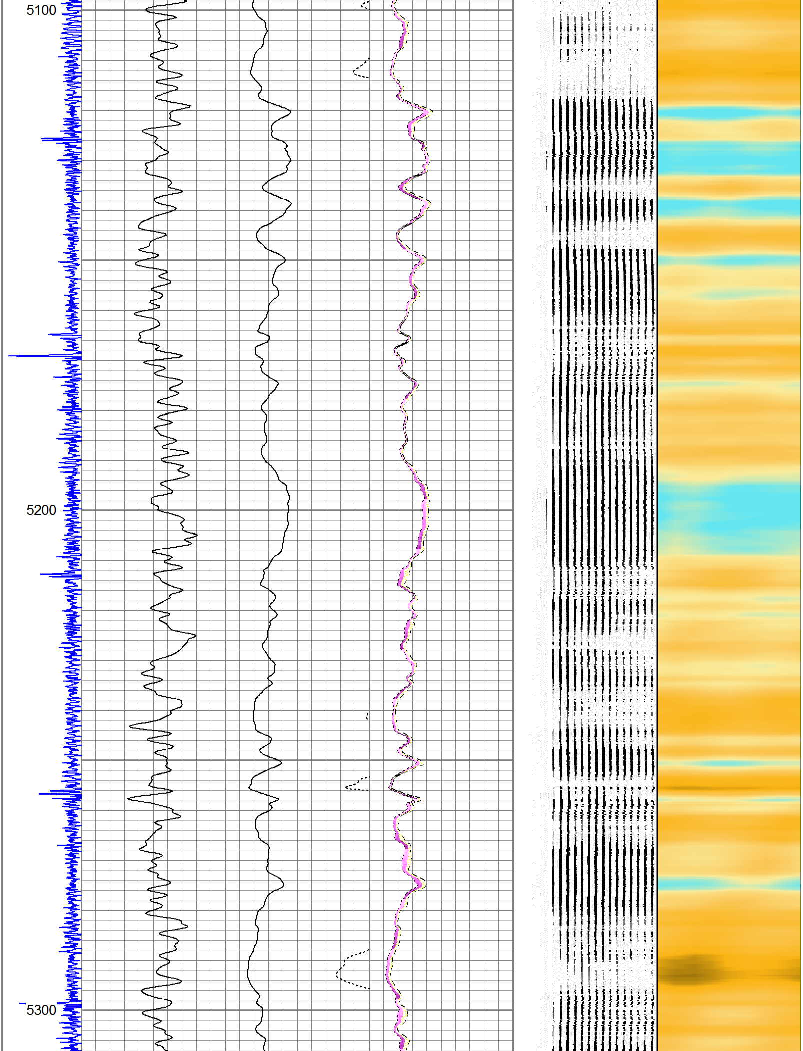
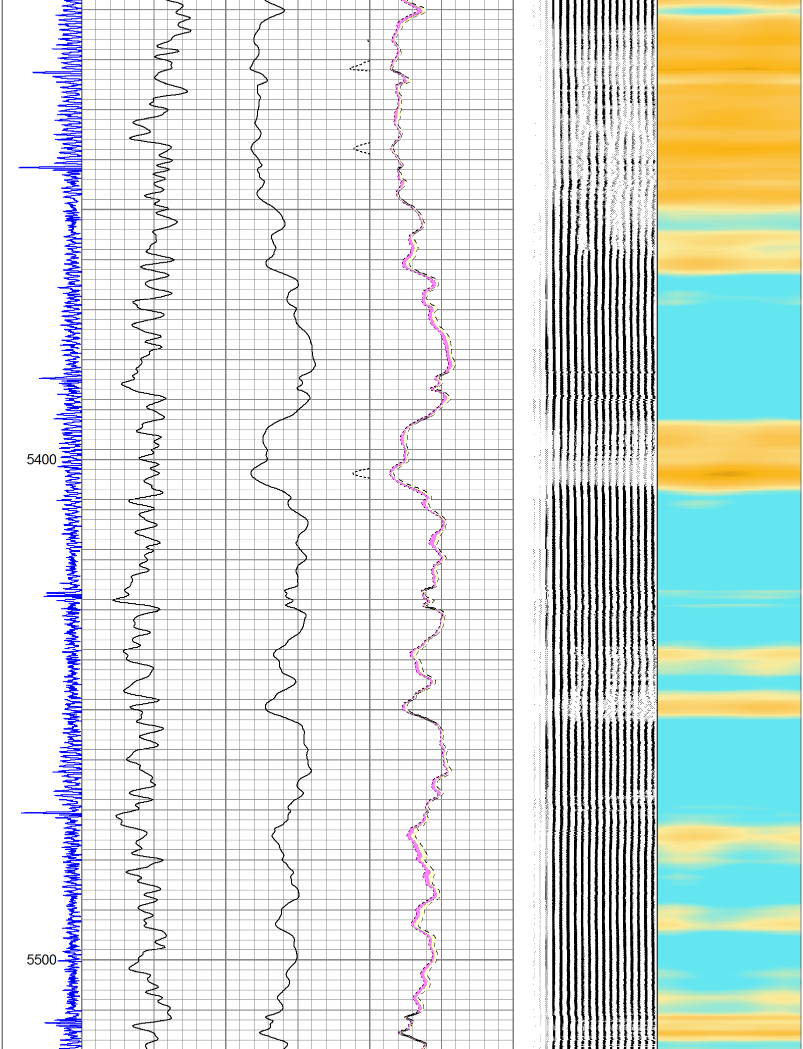
MAIN PASS WELL LOGGED UNDER 500 PSI

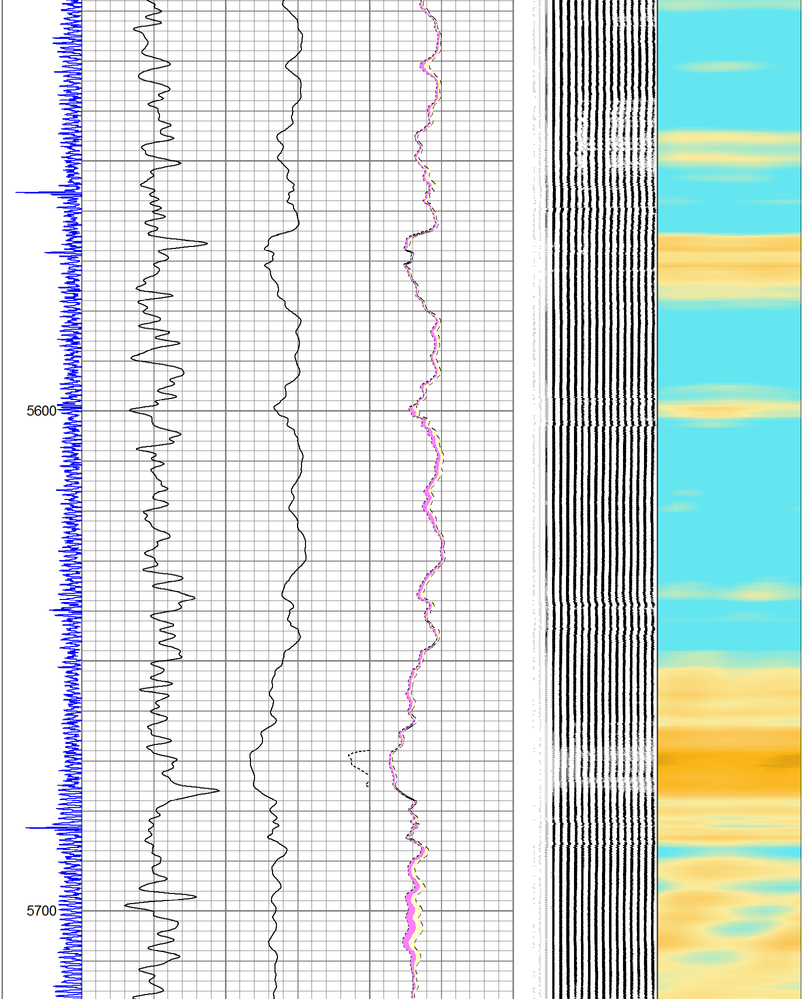
5"=100'

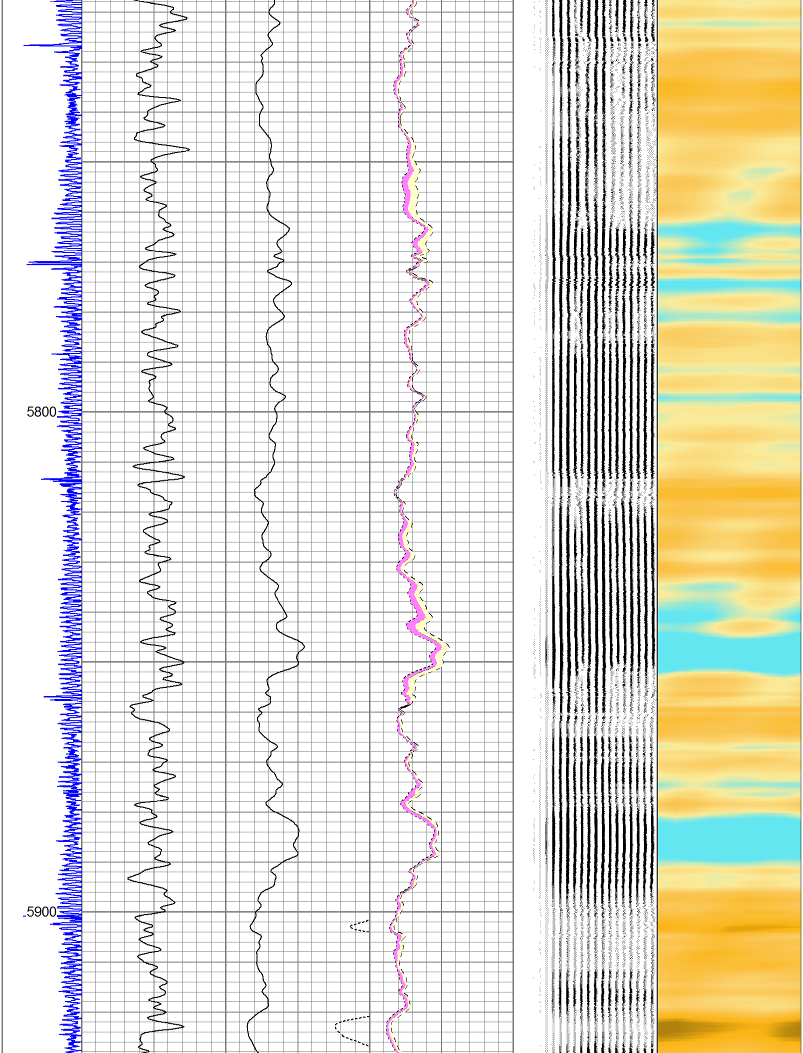
Database File: state blanca 1h.db
Dataset Pathname: pass6
Presentation Format: scbl02
Dataset Creation: Sun Jul 20 10:55:21 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

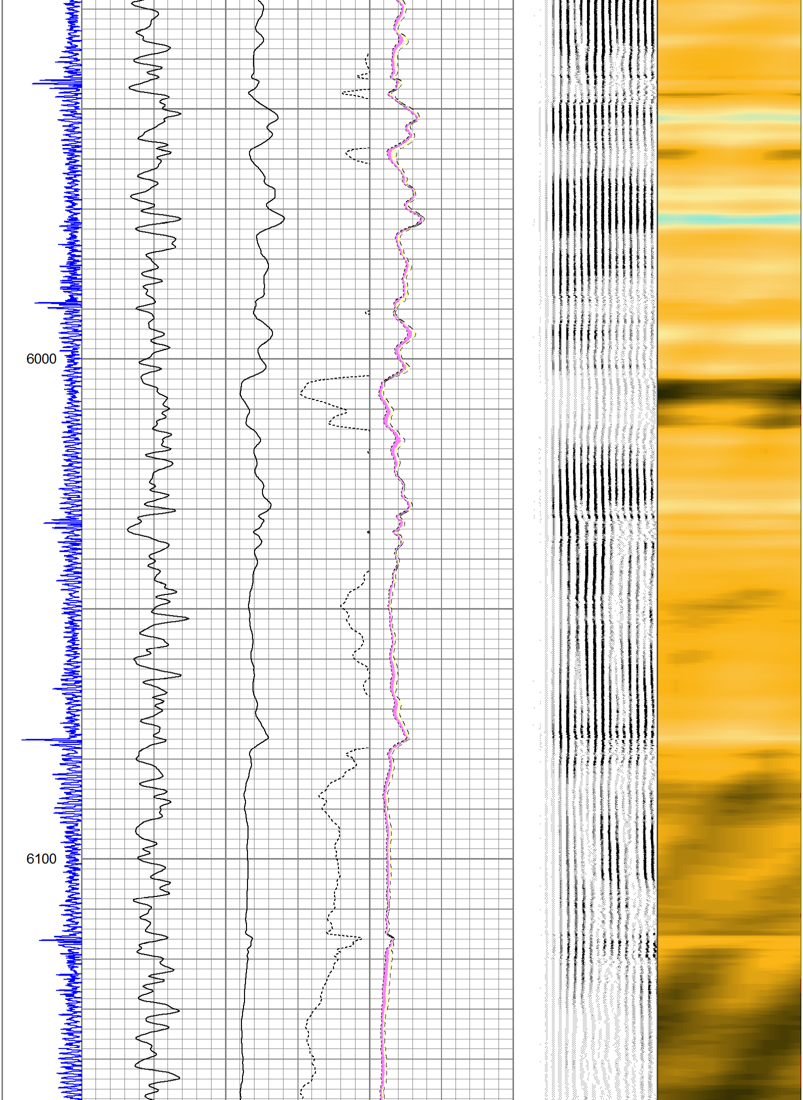


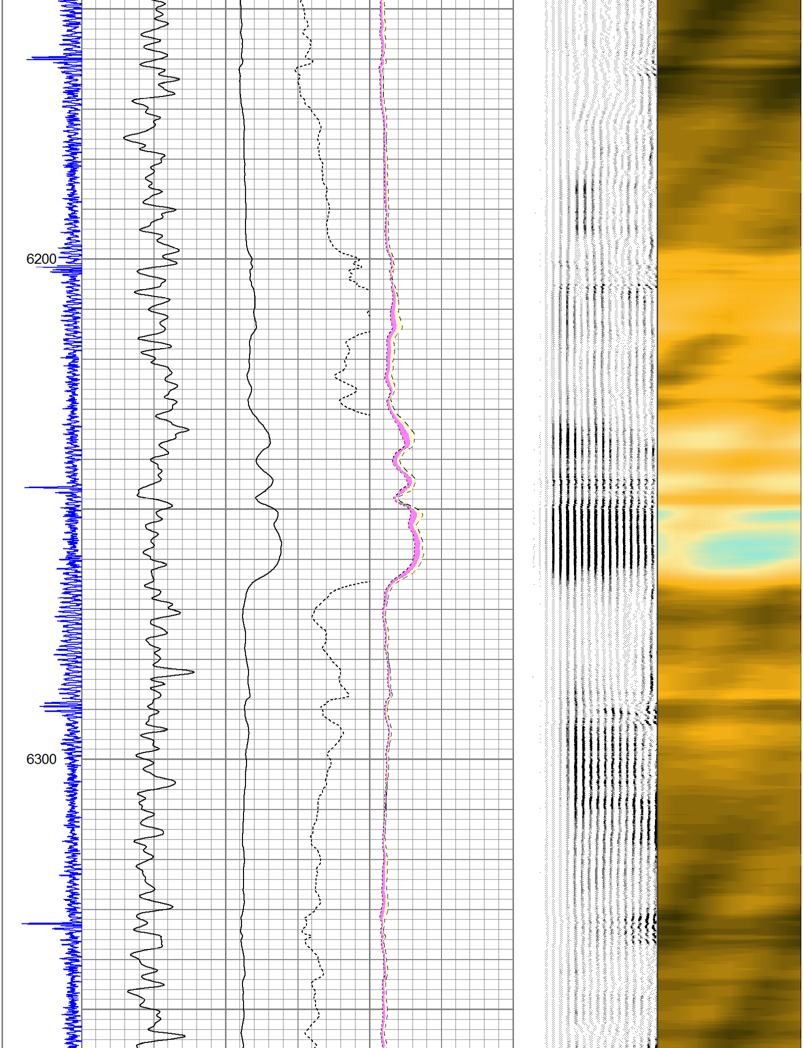


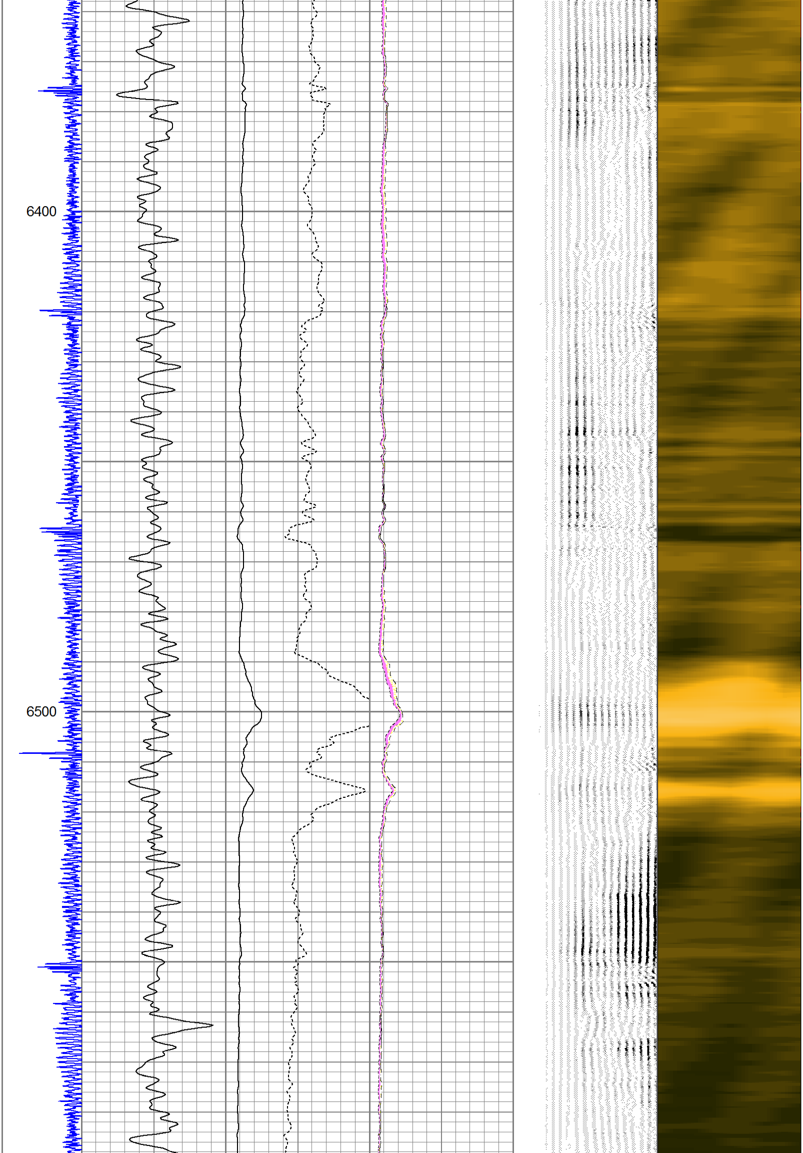


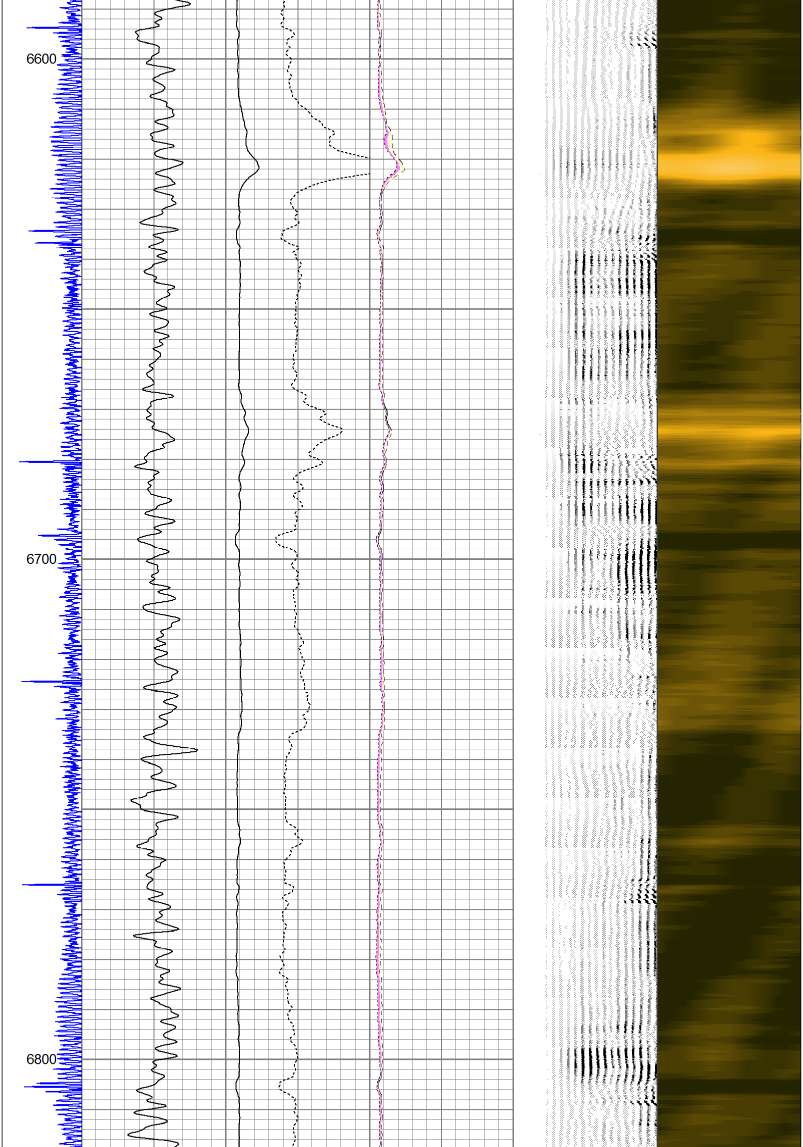


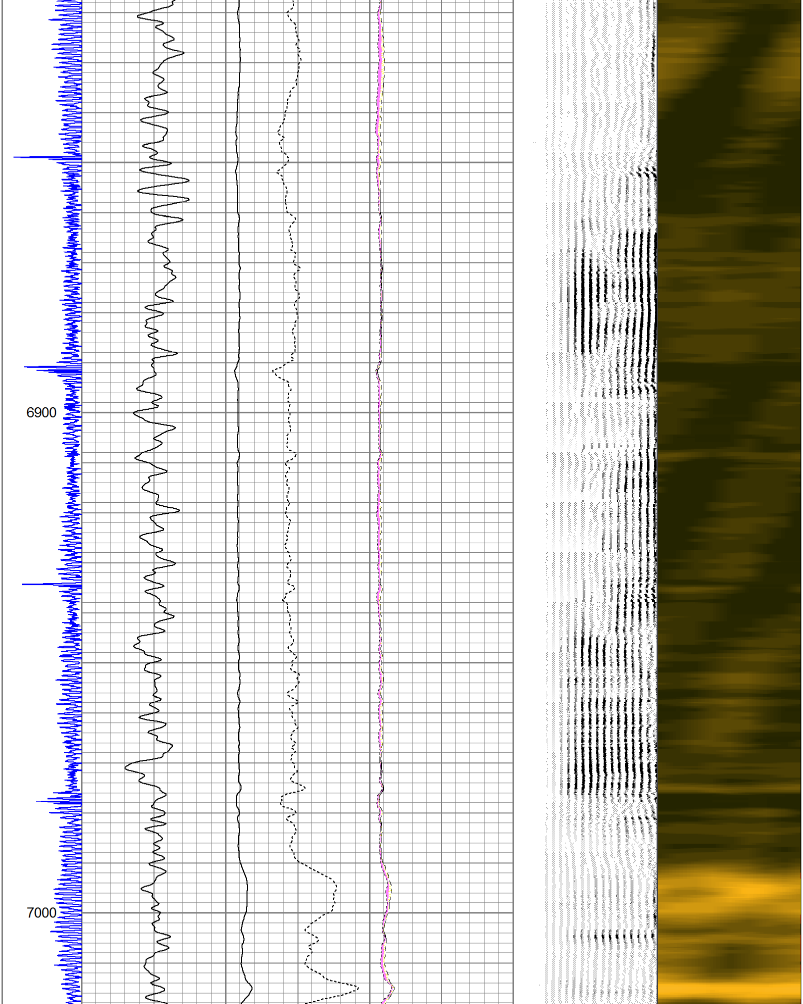


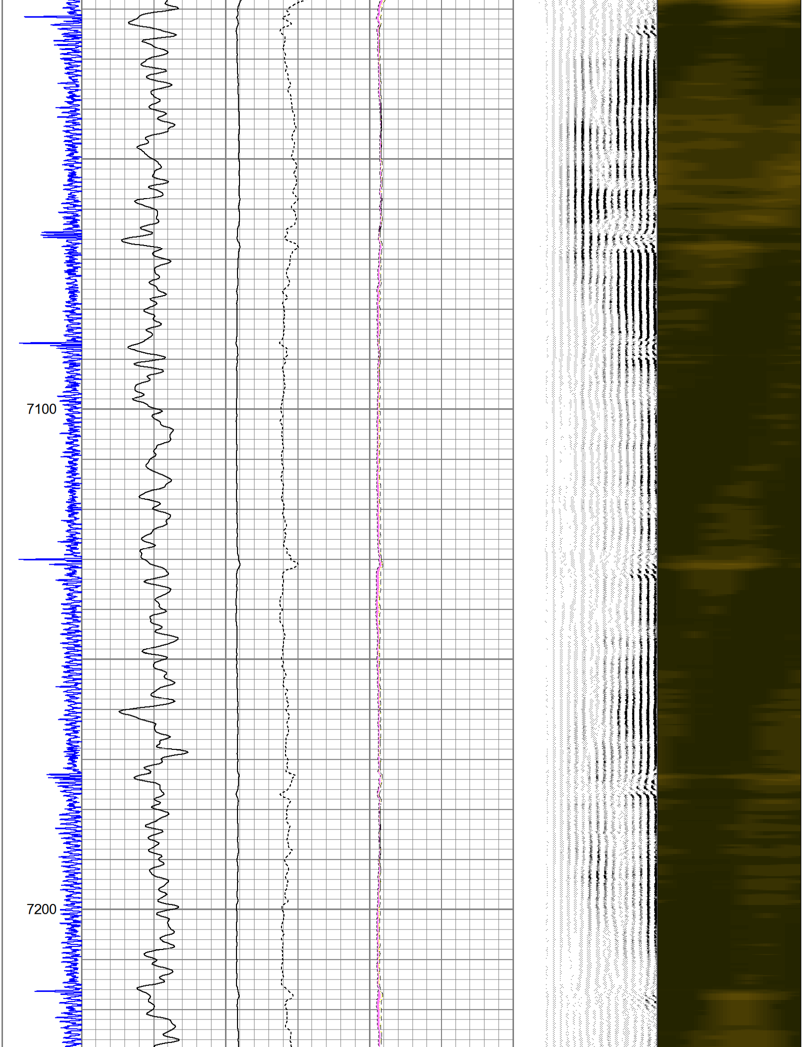


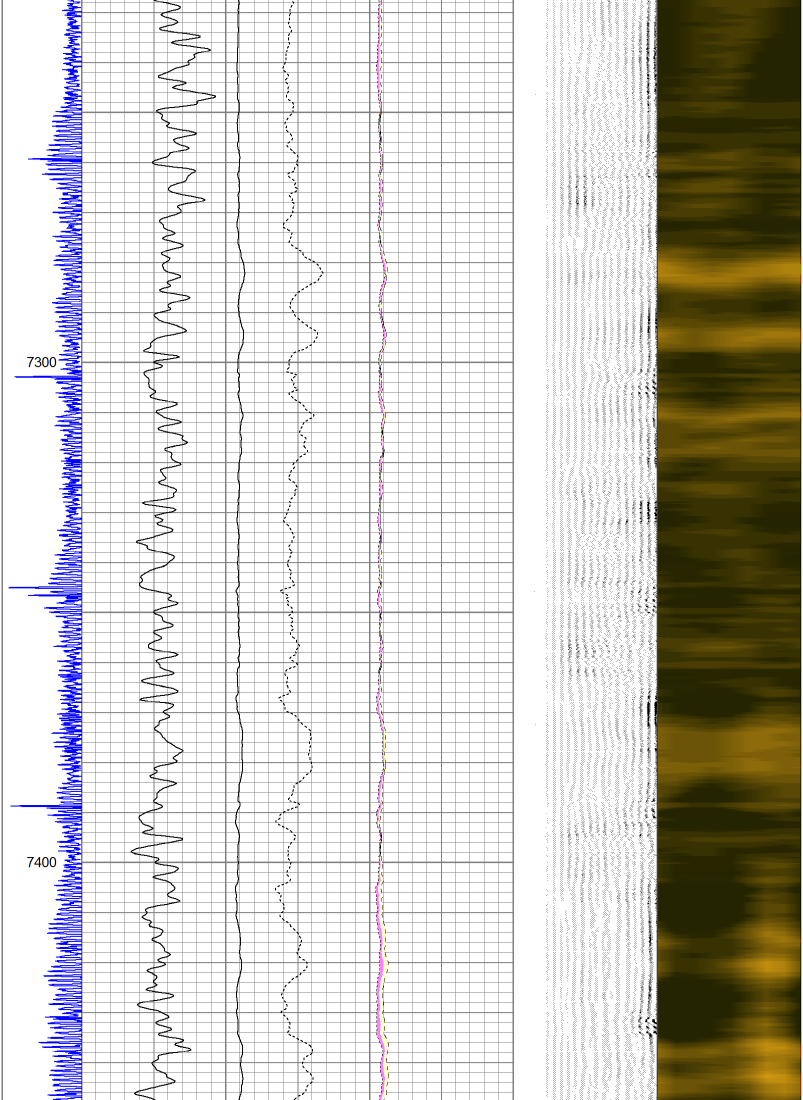


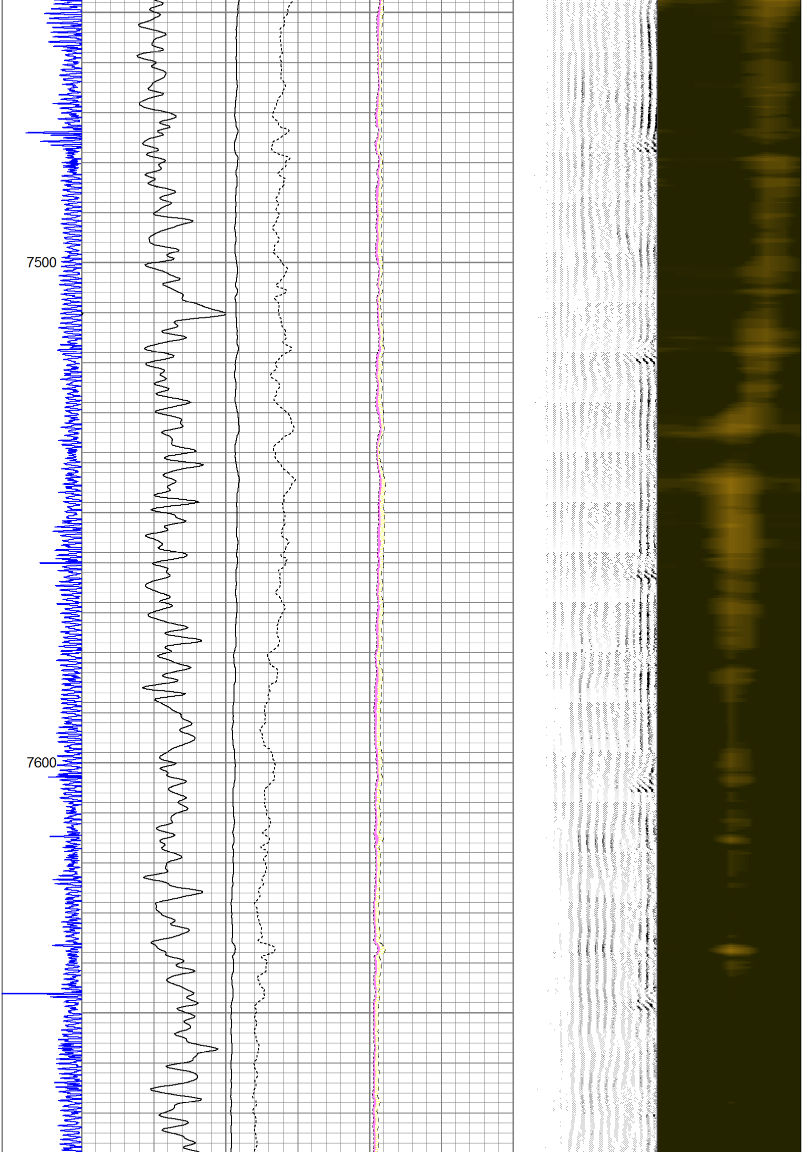


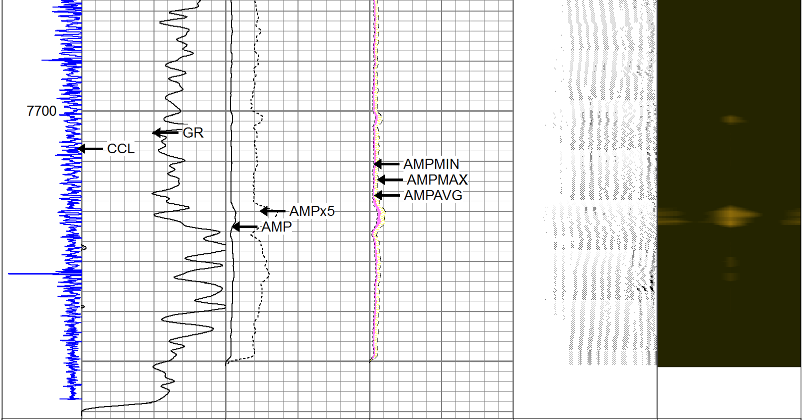












9 CCL -1	0 GR (GAPI) 200	0 AMP (mV) 100	0 AMPAVG 150	200 VDL 1200	1 SECTOR MAP 8
		0 AMPx5 (mV) 20	0 AMPMAX 150		10 60
			0 AMPMIN 150		

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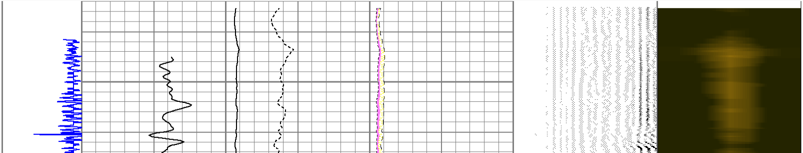
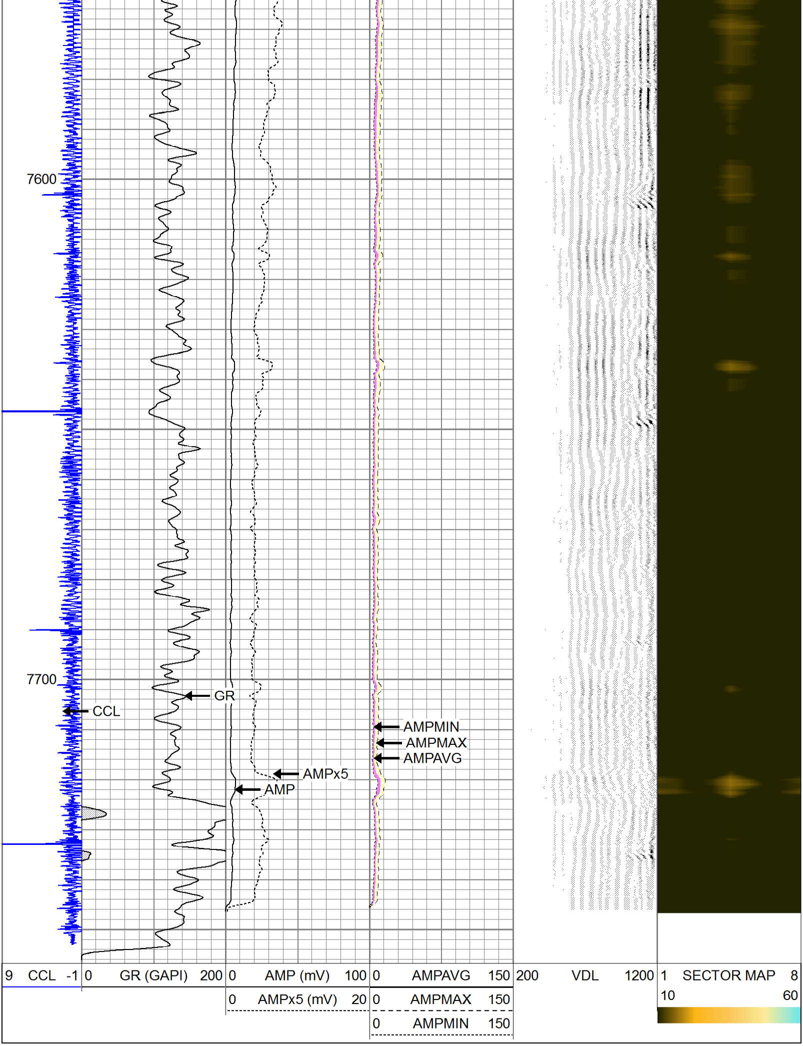
REPEAT PASS

Database File:	state blanca 1h.db
Dataset Pathname:	pass5
Presentation Format:	scbl02
Dataset Creation:	Sun Jul 20 10:51:13 2014 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

9 CCL -1	0 GR (GAPI) 200	0 AMP (mV) 100	0 AMPAVG 150	200 VDL 1200	1 SECTOR MAP 8
		0 AMPx5 (mV) 20	0 AMPMAX 150		10 60
			0 AMPMIN 150		





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