KLX Energy Services

GAMMA RAY CCL CEMENT BOND VDL

Company	BONANZA CREEK
Well	STATE PRONGHORN W42-29-30 XRLNB
Field	WATTENBERG
County	WELD
State	COLORADO
Country	USA
Location:	API # : 05-123-44114
	1378' FNL & 548' FWL
	NWNW
	SEC 28 TWP 5N RGE 61W
Other Services	

Permanent Datum	GL	Elevation	4618'	Elevation
Log Measured From	KB 17'			K.B. 4635'
Drilling Measured From	KB			D.F.
				G.L. 4618'

Company BONANZA CREEK
Well STATE PRONGHORN W42-29-30 XRLNB
Field WATTENBERG
County WELD
State COLORADO Country USA

Date	APR-19-2018
Run Number	ONE
Depth Driller	16224'
Depth Logger	6360'
Bottom Logged Interval	6360'
Top Log Interval	SURFACE
Open Hole Size	NA
Type Fluid	WATER
Density / Viscosity	8.34 PPG
Max. Recorded Temp.	NA
Estimated Cement Top	
Time Well Ready	ROA
Time Logger on Bottom	10:30
Equipment Number	68
Location	STERLING
Recorded By	ZACH DIZMANG
Witnessed By	KURT DODGE

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

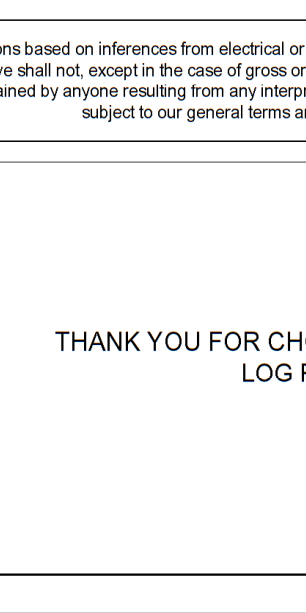
Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8"	36#	SURFACE	1628'
Prot. String				
Production String	5.5"	17#	SURFACE	16212'
Liner				

<<< 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.

Comments

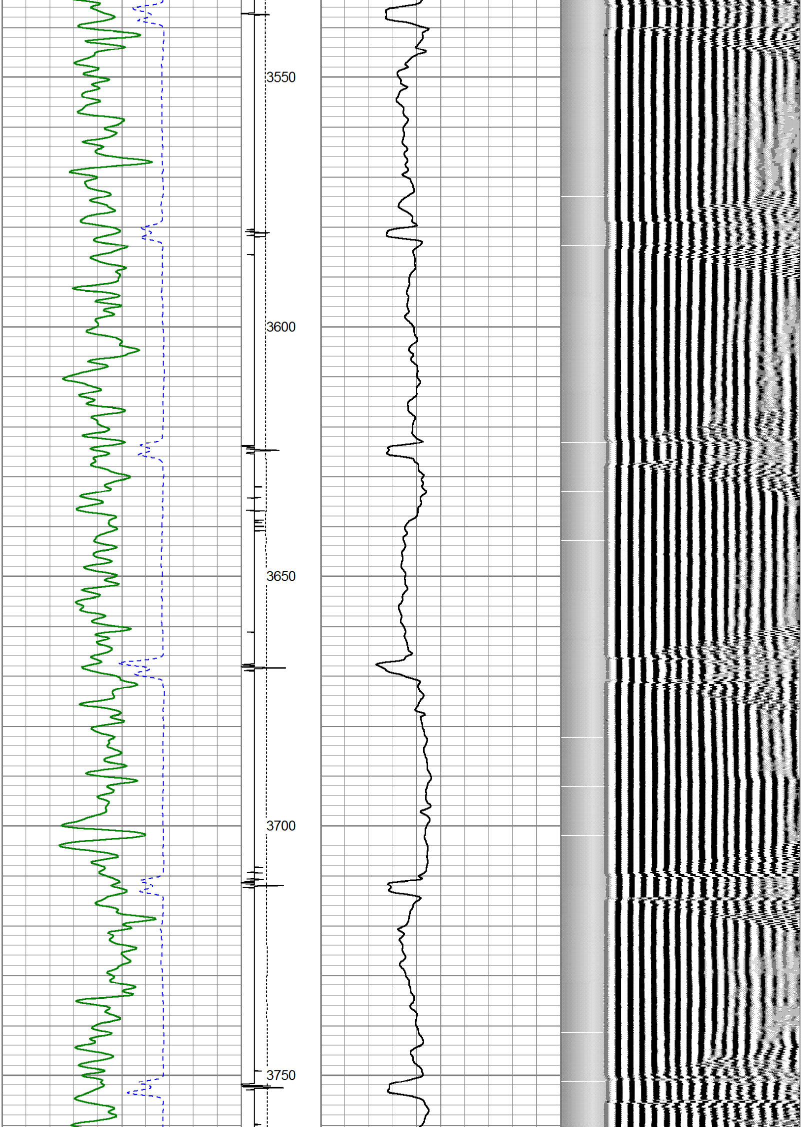
THANK YOU FOR CHOOSING KLX ENERGY SERVICES.
LOG RAN UNDER 0 PSI.

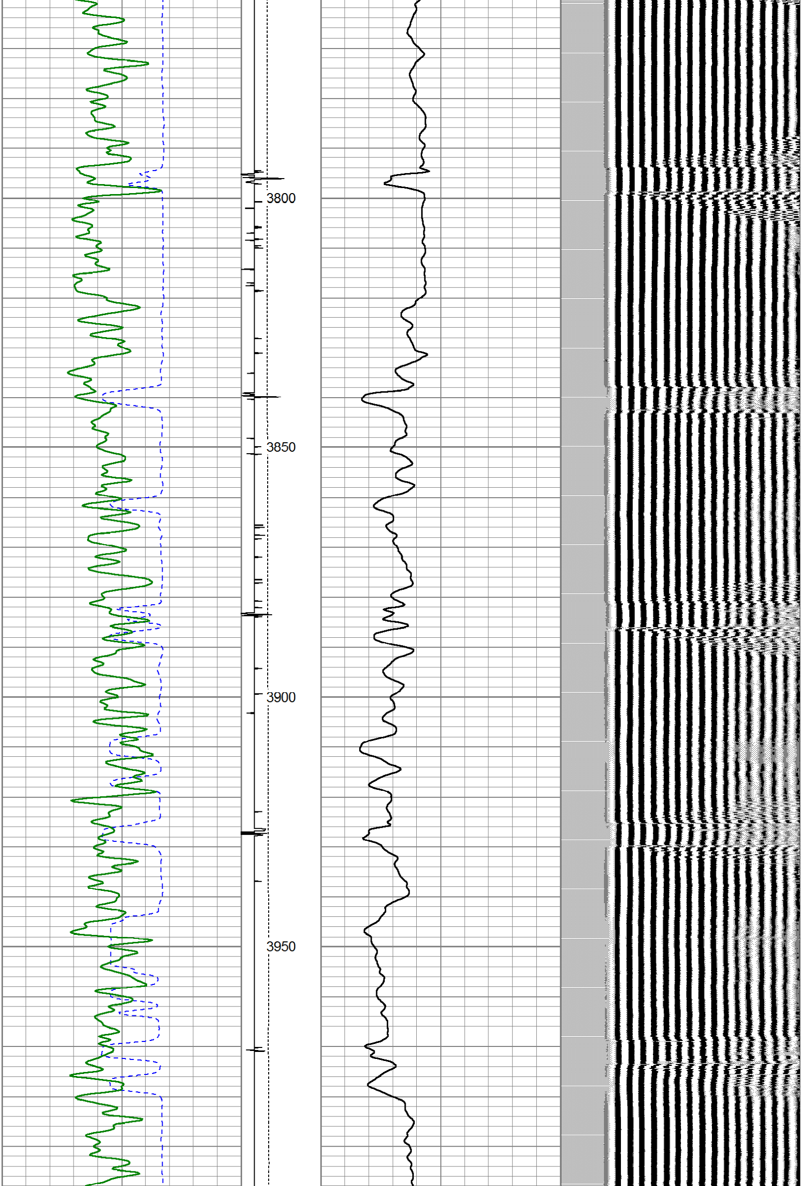


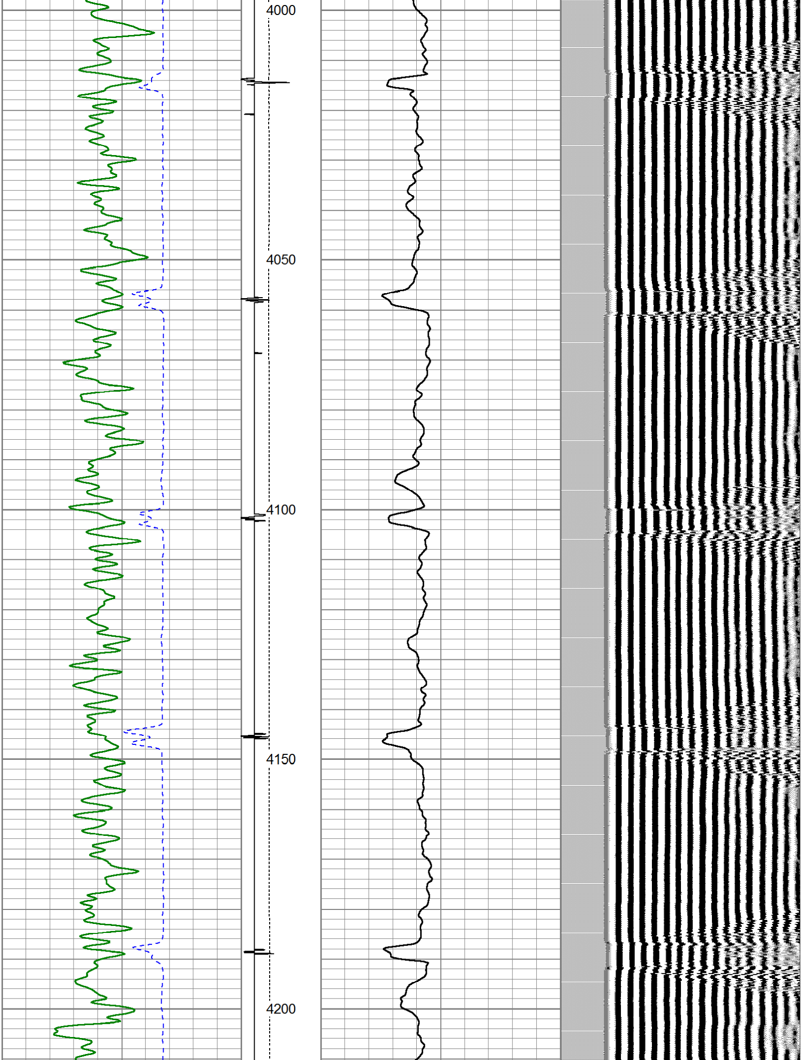
Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		STNDRD Standard Cable Head	1.00	1.69	3.00
		RBT-PTS275HT (275HT) Probe 2.75" High Temp Radii	14.08	2.75	
TEMP	10.00				
IntTemp	9.35				
WVF3FT	9.33				
WVFCAL	9.33				
WVFS1	9.33				
WVFS2	9.33				
WVFS3	9.33				
WVFS4	9.33				
WVFS5	9.33				
WVFS6	9.33				
WVFS7	9.33				
WVFS8	9.33				
WVF5FT	8.25				
CCL	4.17				
GR	2.50	GR-Probe275dig (080221) Probe 2.75 High Temperature	5.00	2.75	57.00

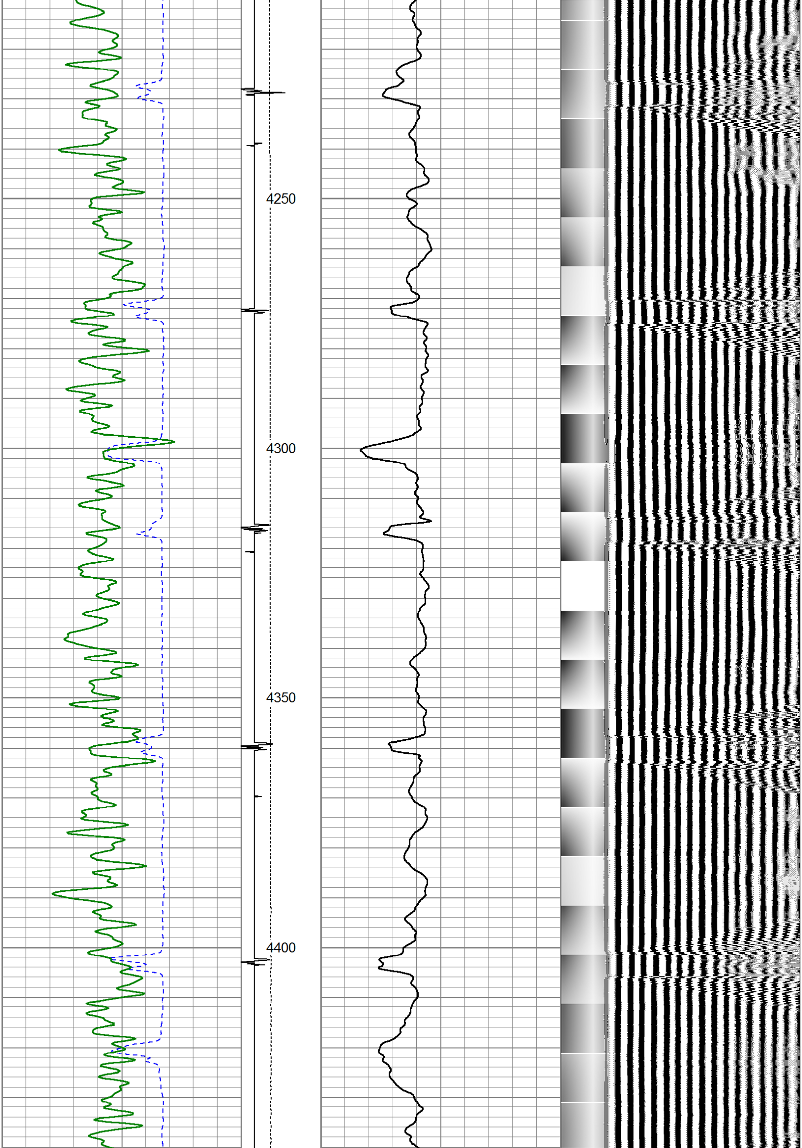
Dataset: state pronghorn w42-29-30 xrlnb.db: field/well/run1/pass9
Total Length: 20.08 ft
Total Weight: 60.00 lb
O.D. 2.75 in

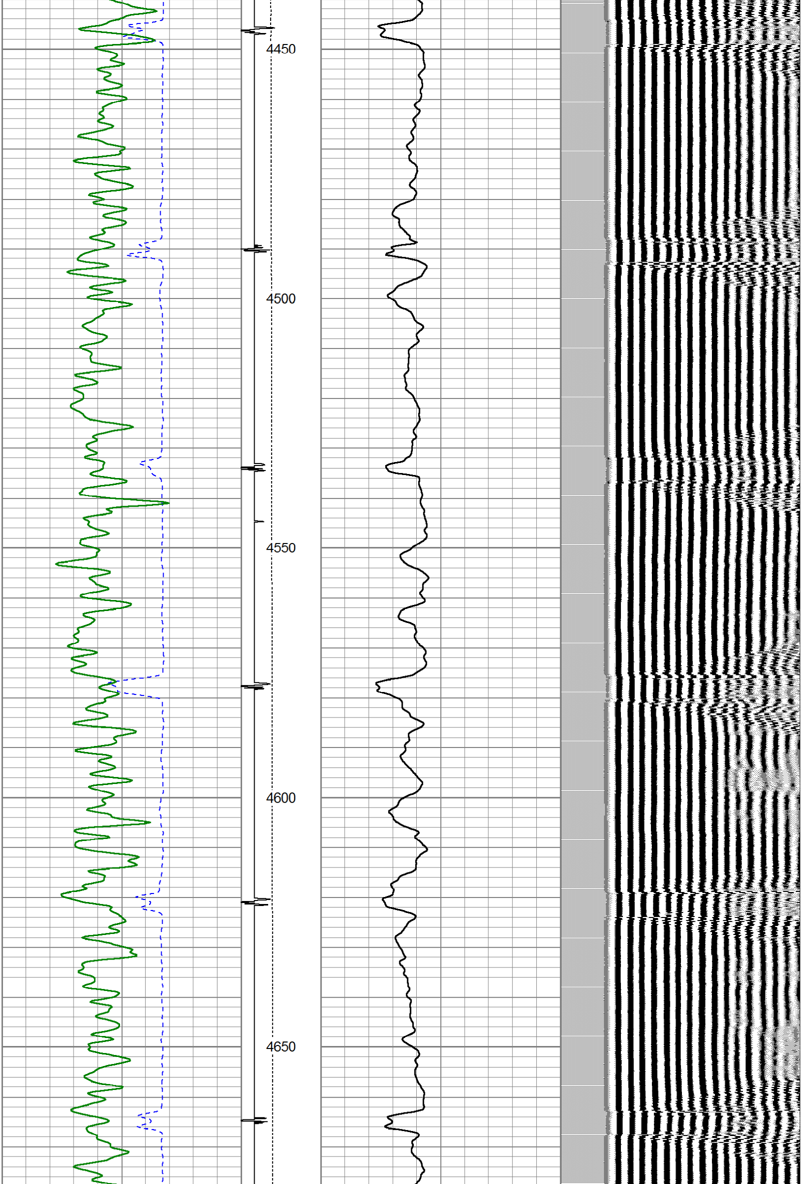
Database File: state pronghorn w42-29-30 xrlnb.db
Dataset Pathname: pass9
Presentation Format: scbl_dr
Dataset Creation: Thu Apr 19 10:28:29 2018 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240

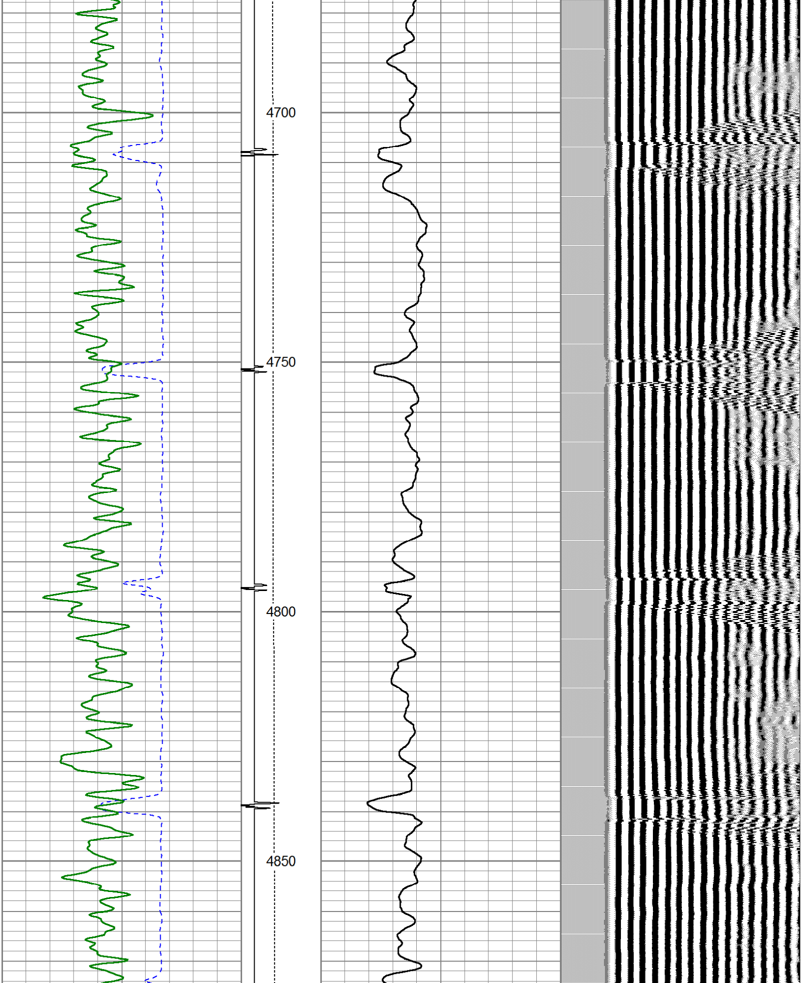


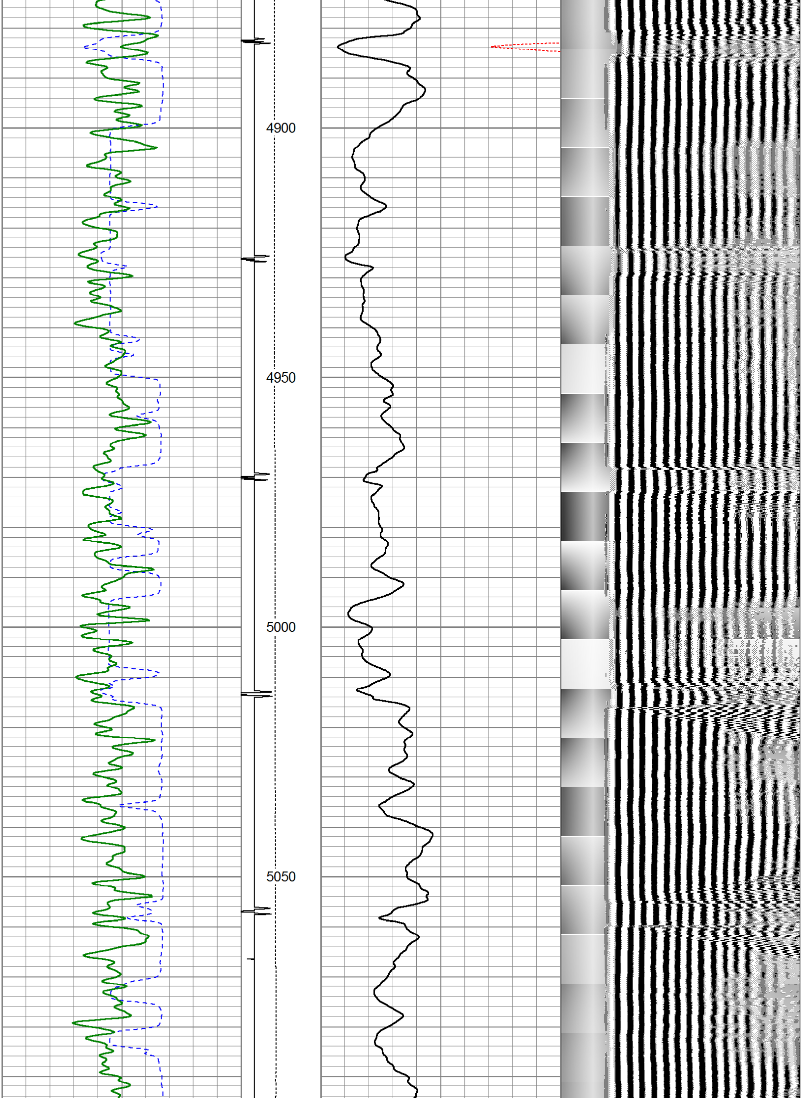


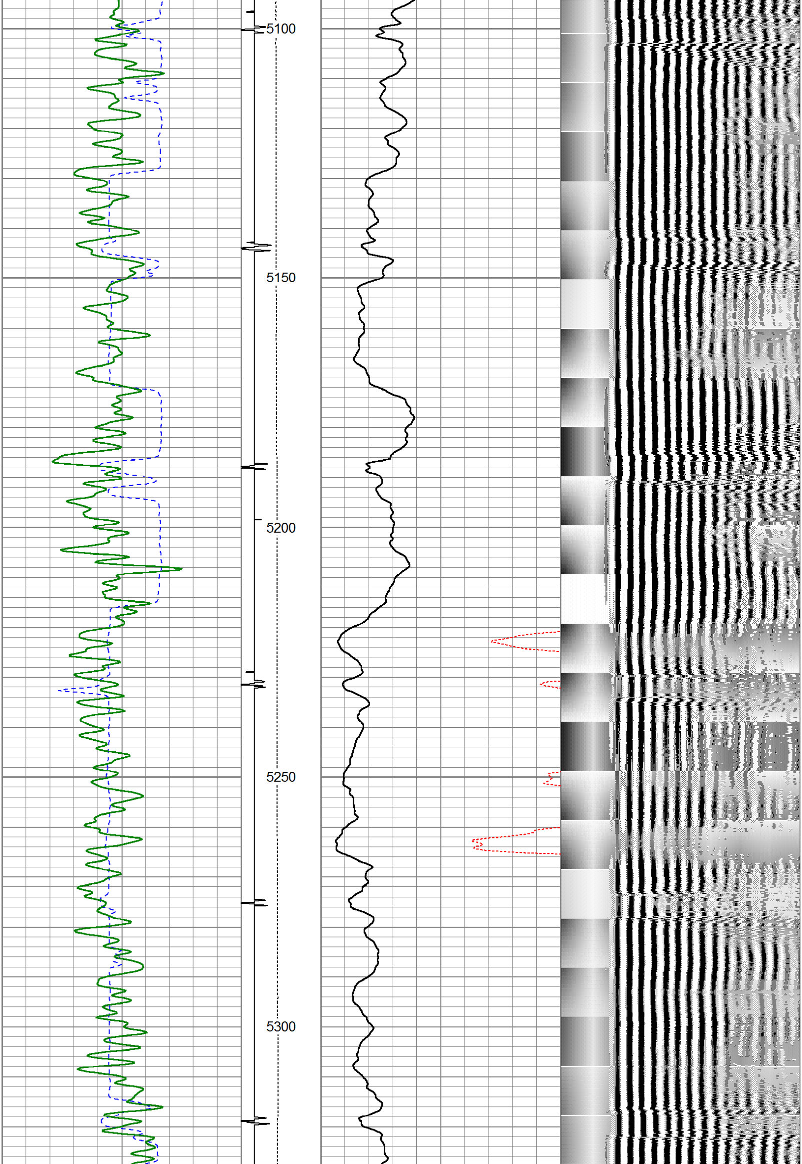


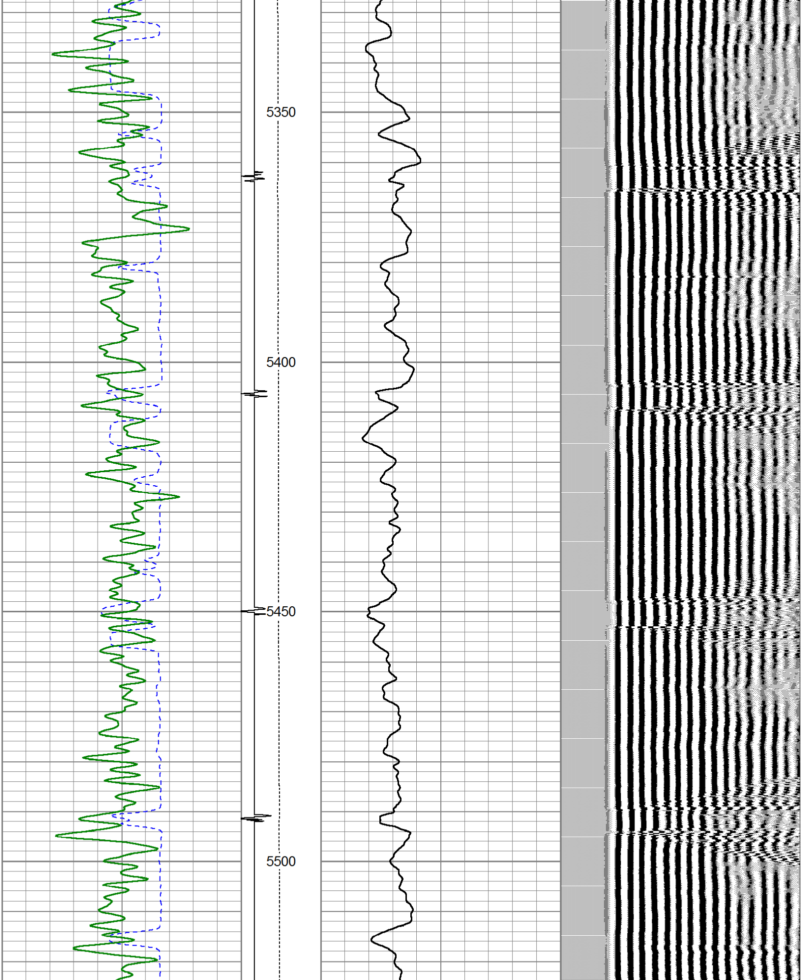


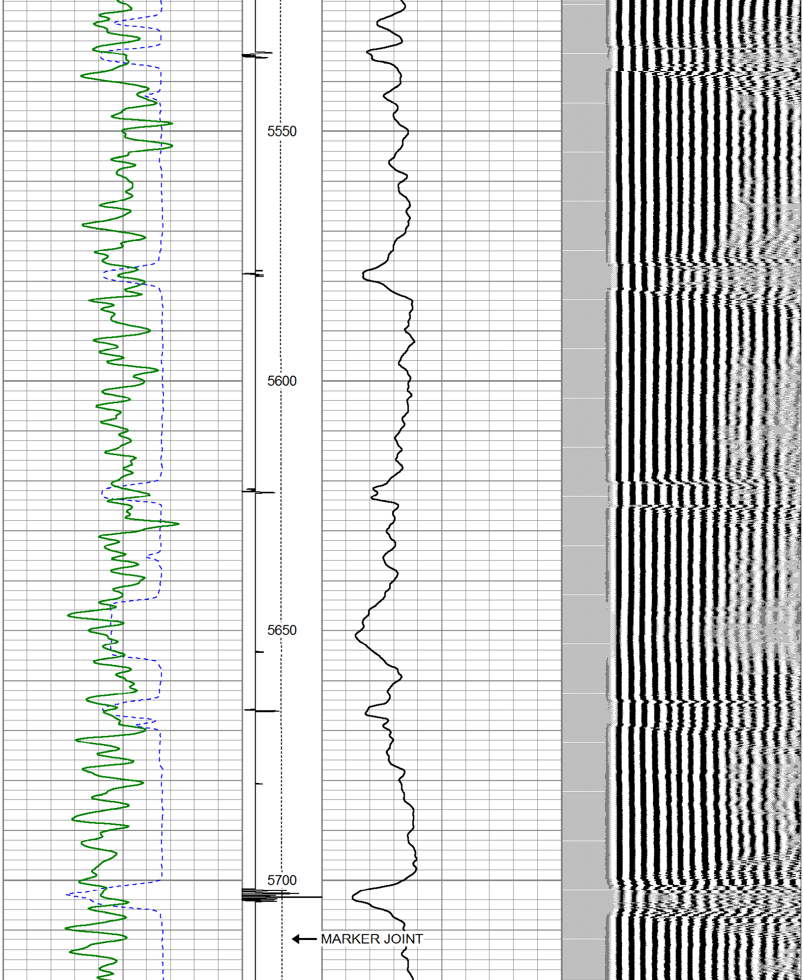


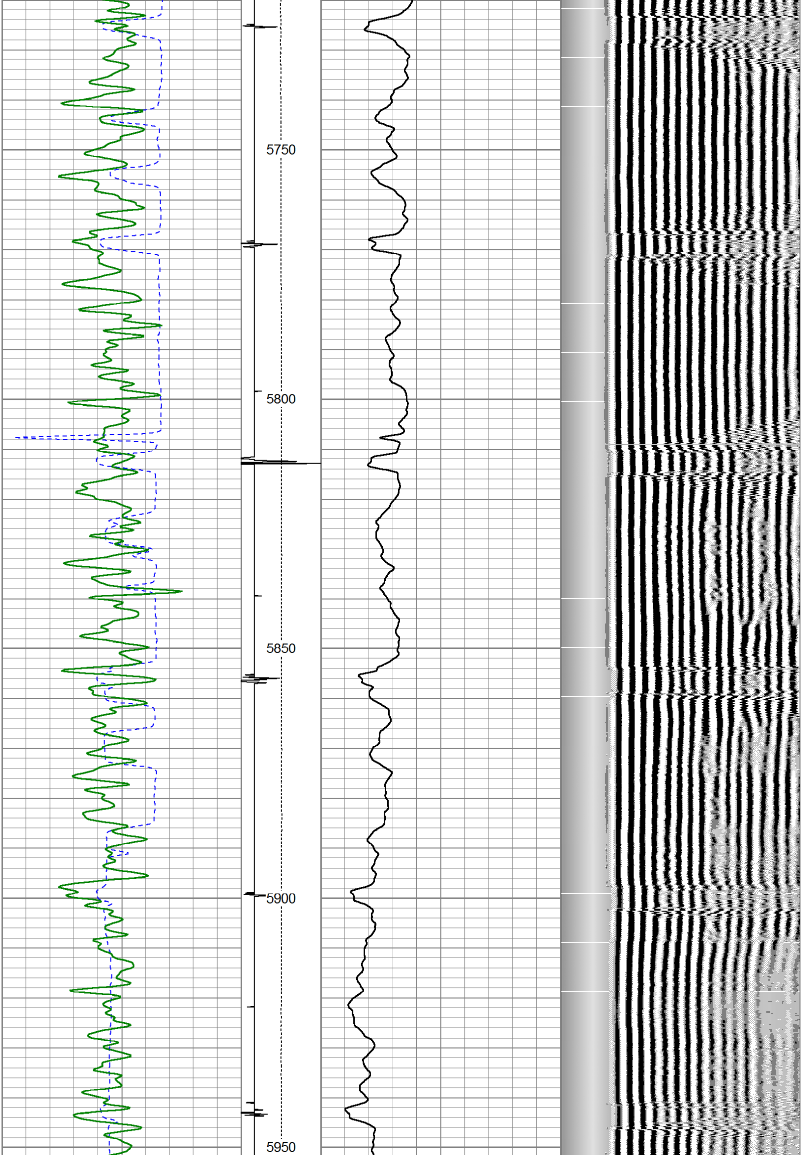


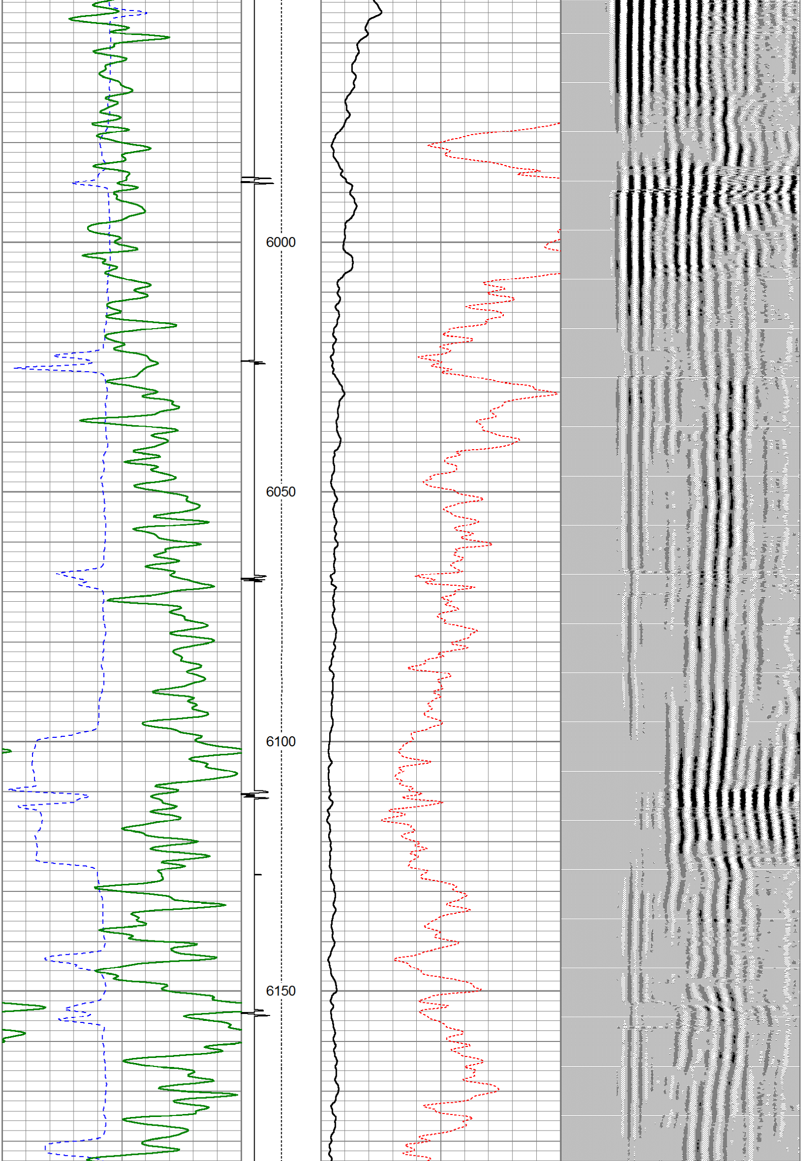


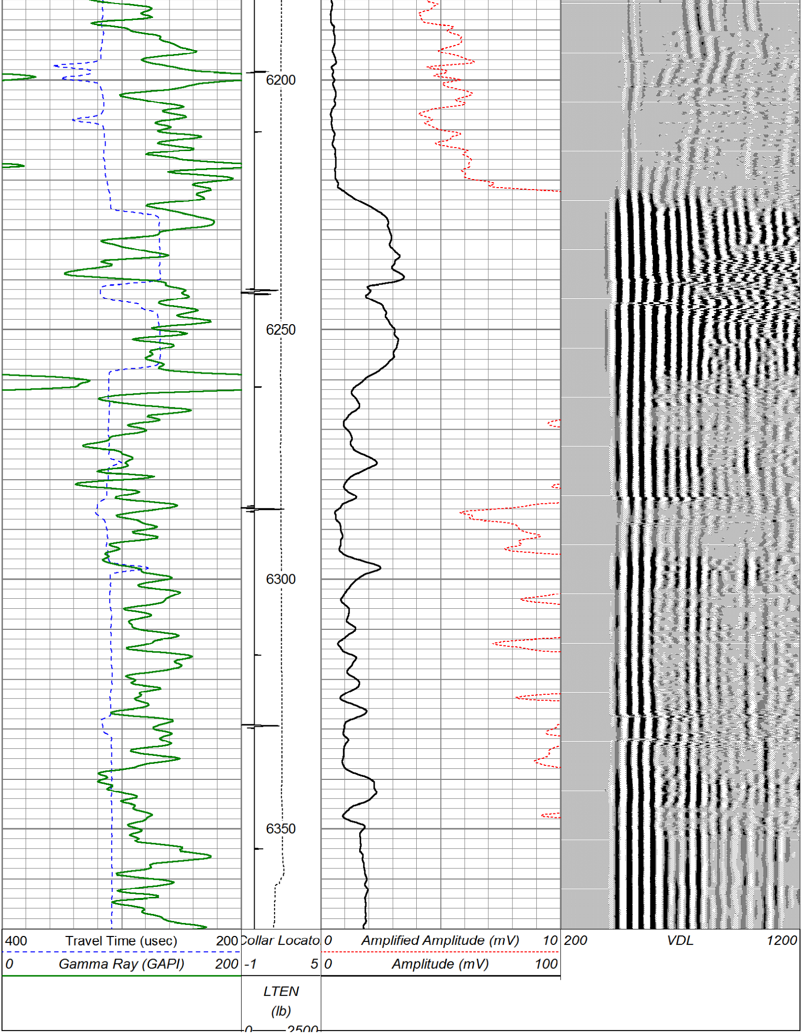








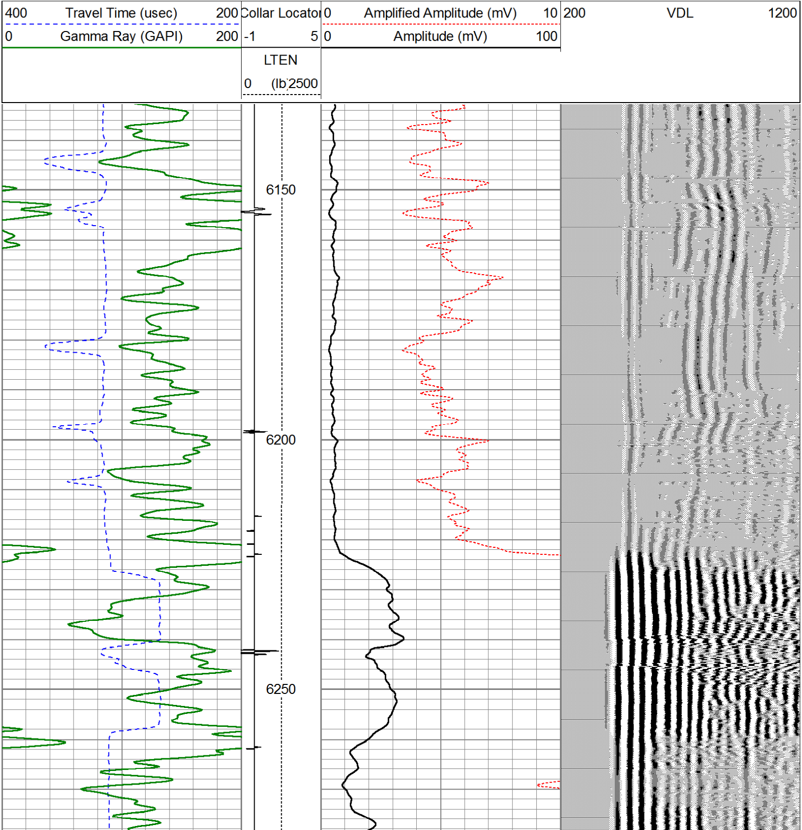


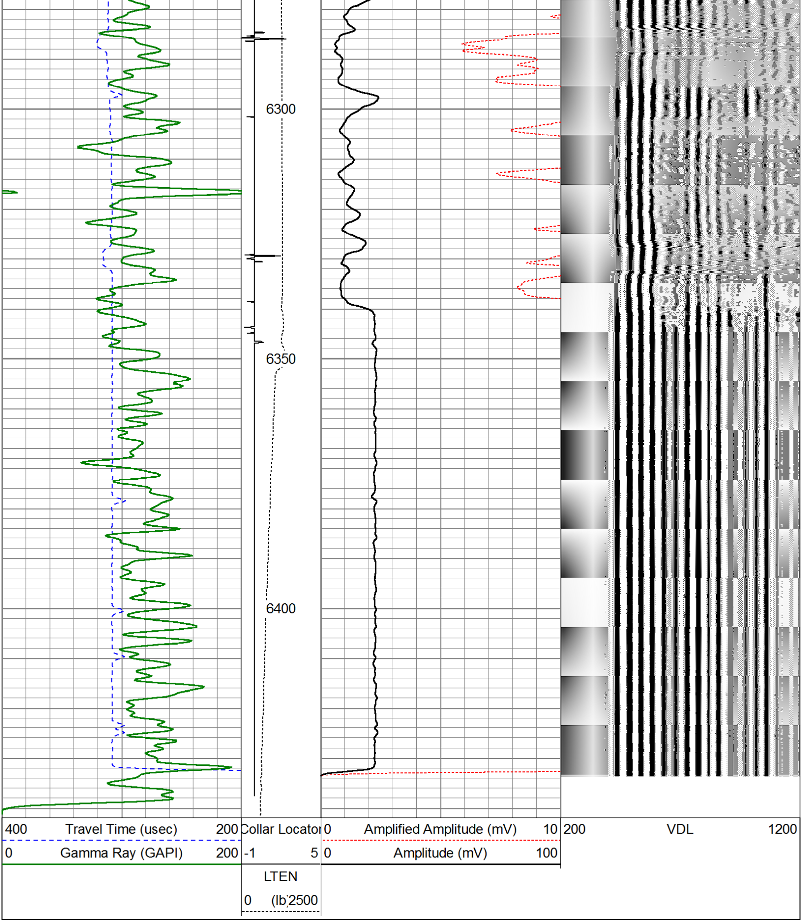


KLX Energy Services

REPEAT PASS

Database File: state pronghorn w42-29-30 xrlnb.db
Dataset Pathname: pass7
Presentation Format: scbl_dr
Dataset Creation: Thu Apr 19 10:23:30 2018 by Log Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240





Calibration Report

Database File: state pronghorn w42-29-30 xrlnb.db
Dataset Pathname: pass9
Dataset Creation: Thu Apr 19 10:28:29 2018 by Log Std Casedhole 10081

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 080221

SHOP CALIBRATION Thu Sep 08 10:58:32 2016

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		1.0000			GAPI/cps

PRIMARY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number:	275HT	
Tool Model:	PTS275HT	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	17.000	ft

Master Calibration, performed Thu Apr 19 09:44:36 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	0.798	0.250	71.921	90.528	-0.276
CAL	0.003	0.800				
5'	0.002	0.674	0.250	71.921	106.609	0.018
SUM						
S1	0.006	0.813	0.000	71.920	89.111	-0.492
S2	0.004	0.785	0.000	71.920	92.068	-0.370
S3	0.005	0.789	0.000	71.920	91.727	-0.436
S4	0.002	0.794	0.000	71.920	90.836	-0.175
S5	0.003	0.795	0.000	71.920	90.778	-0.267
S6	0.005	0.784	0.000	71.920	92.343	-0.500
S7	0.002	0.790	0.000	71.920	91.364	-0.228
S8	0.003	0.778	0.000	71.920	92.791	-0.293

Internal Reference Calibration, performed Wed Oct 27 08:00:55 2010:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.003	0.800	1.000	0.000

Air Zero Calibration, performed Thu Apr 19 07:16:49 2018:

	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:	275HT
Tool Model:	PTS275HT
Performed:	Sun Jun 13 13:33:21 1993

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

Gain:	1.00
Offset:	0.00
Delta Spacing	1