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LATERAL PUMP AND PERF POLICY
KLX ENERGY SERVICES, LLC
LATERAL PUMP AND PERF OPERATIONAL GUIDELINE
KLX ENERGY SERVICES LATERAL PUMPING PROGRAM

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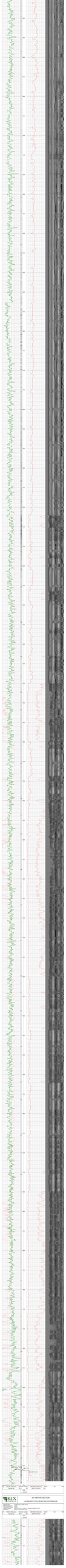
8.5" MAIN PAGES

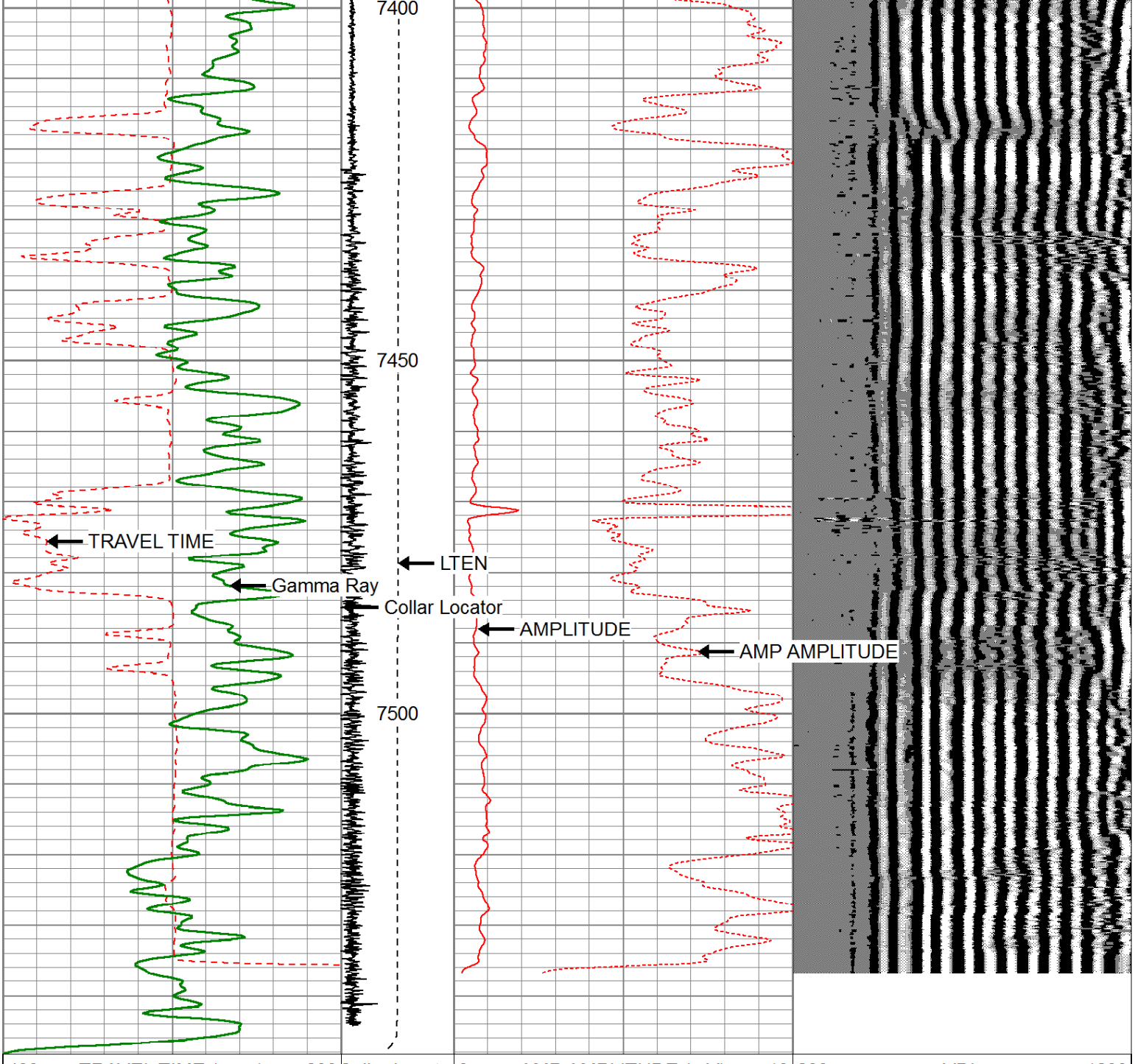
LATERAL PUMP AND PERF OPERATIONAL GUIDELINE PROGRAM

KLX ENERGY SERVICES, LLC
KLX ENERGY SERVICES LP
KLX ENERGY SERVICES GP, LLC
KLX ENERGY SERVICES LLC
KLX ENERGY SERVICES HOLDINGS, INC.

KLX ENERGY SERVICES LATERAL PUMPING PROGRAM



3.5" REPEAT SECTION
LOGGING WITH SCHLUMBERGER MAXIS 500 TRIPLE COMBO



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.69	3.00
			PT16875 1 11/16 Cemtralizer	2.92	1.69	5.00
HEADVOLT	17.03					
			RBT-PTS170 (FW1705-069) PROBE 1-11/16" RADII BOND TOOL	9.62	1.70	55.00
WVF3FT	12.45					
WVFCAL	12.45					
WVFS1	12.45					
WVFS2	12.45					
WVFS3	12.45					
WVFS4	12.45					
WVFS5	12.45					
WVFS6	12.45					
WVFS7	12.45					
WVFS8	12.45					
WVF5FT	11.37					
			PT16875 1 11/16 Cemtralizer	2.92	1.69	5.00
CCL	4.00					
			GR_CCL-SDS (FW1703-011)	5.20	1.70	35.00
GR	1.00					

Dataset:	raindance fd 20-322hn cbl.db: field/well/run1/pass3
Total Length:	21.65 ft
Total Weight:	103.00 lb
O.D.	1.70 in

Calibration Report

Database File:	raindance fd 20-322hn cbl.db
Dataset Pathname:	pass3
Dataset Creation:	Sat Oct 28 20:23:10 2017 by Log Std Casedhole 10081

Gamma Ray Calibration Report

Serial Number:	FW1703-011	
Tool Model:	SDS	
Performed:	Tue Jul 11 16:35:19 2017	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1705-069	
Tool Model:	PTS170	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	341.116	ft

Master Calibration, performed Sat Oct 28 17:09:32 2017:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.028	0.998	0.700	71.921	69.436	2.624
CAL	0.029	0.988				
5'	0.019	1.088	0.700	71.921	66.606	-0.558
SUM						
S1	0.056	0.996	0.000	100.000	106.452	-6.002
S2	0.008	0.967	0.000	100.000	104.253	-0.795
S3	0.026	0.959	0.000	100.000	107.180	-2.763
S4	0.022	0.975	0.000	100.000	104.844	-2.273
S5	0.033	0.997	0.000	100.000	103.742	-3.431
S6	0.008	1.004	0.000	100.000	100.450	-0.833
S7	0.044	1.008	0.000	100.000	103.745	-4.605
S8	0.048	1.006	0.000	100.000	104.411	-5.026

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	0.029	0.988	1.000	0.000

Air Zero Calibration, performed Wed Dec 31 17:00:00 1969:

	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

KLX Energy Services

Company	GREAT WESTERN OPERATING COMPANY LLC		
Well	RAINDANCE FD 20-322HN		
Field	WATTENBERG		
County	WELD		
State	COLORADO	Country	USA