J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY VDL
COLLAR CORRELATION LOG

Company	KERR MCGEE OIL AND GAS ONSHORE LP
Well	CARMA 24-25
Field	WATTENBERG
County	WELD
State	COLORADO

Company KERR MCGEE OIL AND GAS ONSHORE LP
Well CARMA 24-25
Field WATTENBERG
County WELD State COLORADO
Location: API # : 05-123-28021-0000
SW NE
1705' FNL & 1590' FEL
SEC 25 TWP 3N RGE 68W

Other Services

Permanent Datum GL Elevation 4900
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4912
D.F.
G.L. 4900

Date	11-21-2014		
Run Number	ONE		
Depth Driller	7884		
Depth Logger	1600		
Bottom Logged Interval	1596		
Top Log Interval	SURFACE		
Open Hole Size	7 7/8		
Type Fluid	WATER		
Density / Viscosity	---		
Max. Recorded Temp.	NOT RECORDED		
Estimated Cement Top			
Time Well Ready	---		
Time Logger on Bottom	---		
Equipment Number	2405		
Location	BRIGHTON CO.		
Recorded By	PHIL LOPEZ		
Witnessed By	RODRIGO VIERA		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.63	24.00	SURFACE	898
Prot. String				
Production String	4.50	11.60	SURFACE	7886
Liner				

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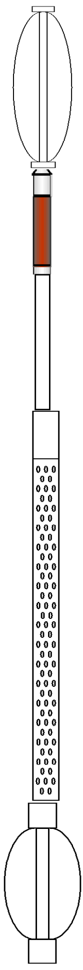
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

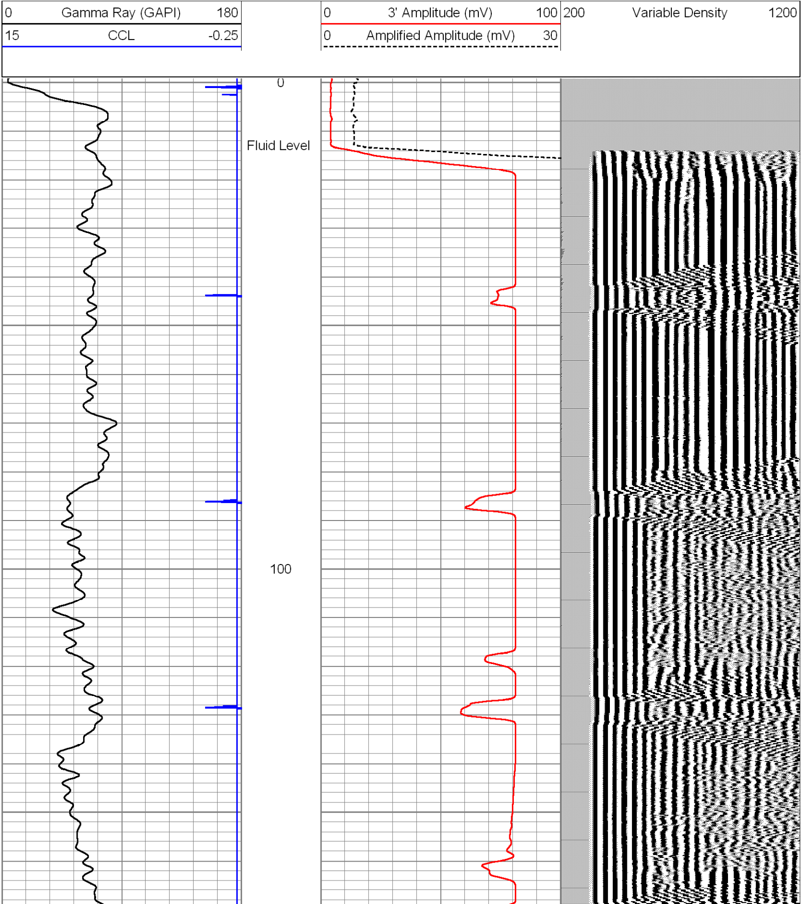
THANK YOU FOR CHOOSING J-W WIRELINE

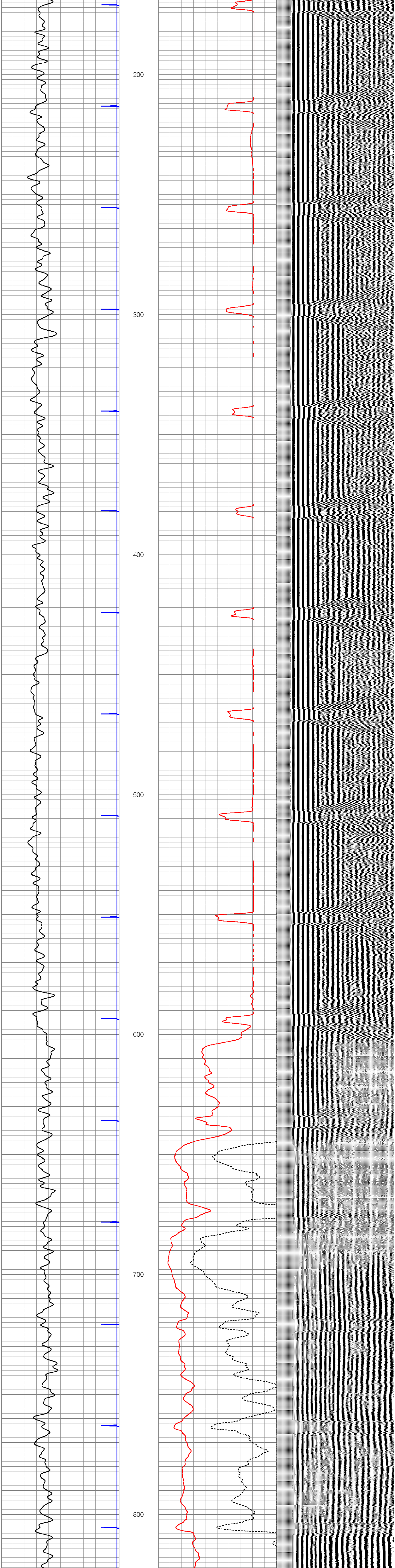


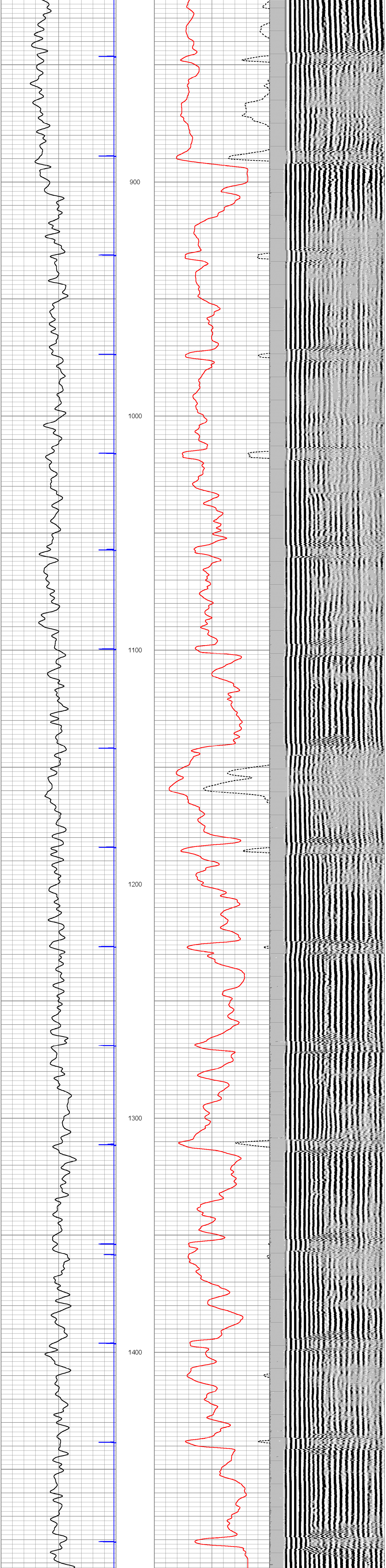
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENT-A (1)	3.00	1.69	10.00
CCL	14.06		CCL-275tekco (2.75TEKCO) 2 3/4 TEK CCL Earth Mag	1.96	2.75	20.00
GR	11.49		GR-s_t001 (t001)	2.52	1.69	30.00
WVF5	7.34		CBL-3_5 (001)	7.23	2.44	127.00
WVF3	6.34					
			CENT-B (2)	3.00	1.69	10.00

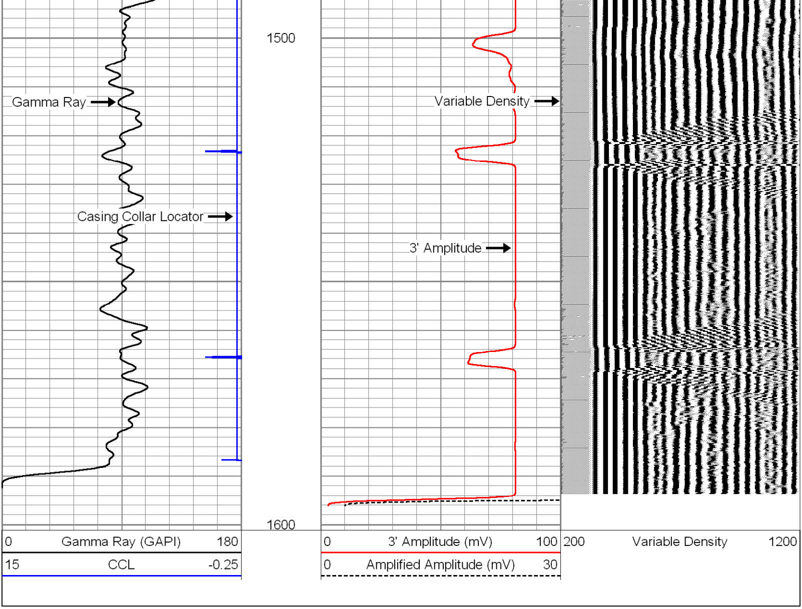
Dataset:	carma 24-25.db: field/well/run1/pass8
Total Length:	17.71 ft
Total Weight:	197.00 lb
O.D.	2.75 in

Database File:	carma 24-25.db
Dataset Pathname:	pass8
Presentation Format:	cblx
Dataset Creation:	Sat Nov 22 09:58:57 2014 by Log SCH 111116
Charted by:	Depth in Feet scaled 1:240









Calibration Report

Database File:	carma 24-25.db
Dataset Pathname:	pass8
Dataset Creation:	Sat Nov 22 09:58:57 2014 by Log SCH 111116

Cement Bond Log Calibration Report

Serial Number:	001		
Tool Model:	3_5		
Performed:	Sat Nov 22 09:58:45 2014		
Depth:	1591.78	ft	
Casing Diameter:	4.5	in	

	3' Spacing	5' Spacing	
Signal Zero:	3	3	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0	0	V
Reading in Free Pipe:	2.5	2.21477	V
Gain:	31.2784	35.3066	
Offset:	3	3	

Gamma Ray Calibration Report

Serial Number:	t001	
Tool Model:	s_t001	
Performed:	Sun Jun 13 14:33:21 1993	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps