PIONEER WIRELINE SERVICES

CEMENT BOND, V.D.L. GAMMA-RAY, C.C.L.

Company	ENCANA OIL & GAS
Well	NORTH RINN 0-8-9
Field	WATTENBERG
County	WELD
State	COLORADO

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Well	NORTH RINN 0-8-9		
Field	WATTENBERG		
County	WELD	State	COLORADO
Location:	API # : 05123389000000 SHL: 1120' FSL & 1133' FWL SWSW BHL: 660' FSL & 1980' FWL SESW SEC 9 TWP 2N RGE 68W	Other Services	NONE
Permanent Datum	GL	Elevation 4866	Elevation K.B. 4879 D.F. 4879 G.L. 4866
Log Measured From	GL		
Drilling Measured From	KB		

Date	8-12-13
Run Number	1
Depth Driller	8232'
Depth Logger	8166'
Bottom Logged Interval	8166'
Top Log Interval	3100'
Open Hole Size	7 7/8"
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	251
Estimated Cement Top	3995'
Time Well Ready	ROA
Time Logger on Bottom	AM
Equipment Number	24
Location	FT. MORGAN
Recorded By	JOHN HOLLIS
Witnessed By	TOM MAJORS

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	4.5"	11.6#		
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

S.O. # 2-203992

THANK YOU FOR USING PIONEER ENERGY SERVICES

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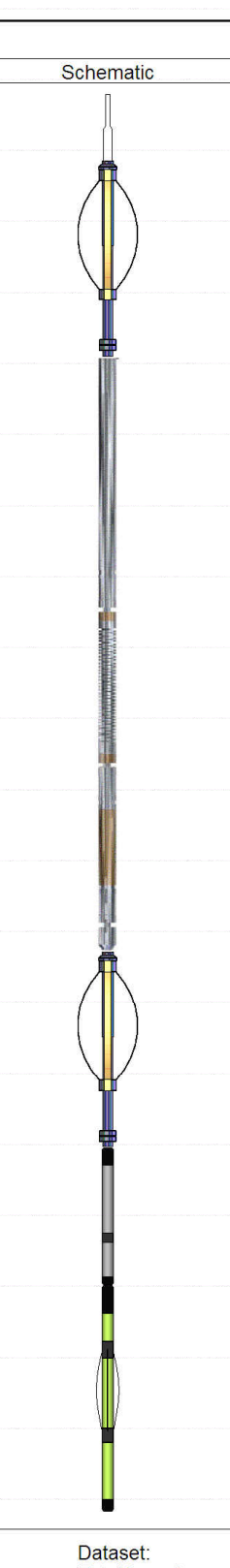

Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		SDSCHD Cable Head for Testing	1.00	1.44	1.00
		cent.-Probe (cent) probe cent.	2.88	2.75	25.00
WVF3	12.48	CBL-Probe (110215) 2.75 digital probe	8.75	2.75	106.50
WVF5	11.48				
		cent.-Probe (cent) probe cent.	2.88	2.75	25.00
CCL	4.13	CCL-Probe (081119)	2.02	2.75	
		GR-Probe275dig (110249) Probe Digital Gamma-Ray	3.33	2.75	57.00
GR	0.79				

Dataset: north rinn 0-8-9.db: field/well/run1/pass4
Total Length: 20.85 ft
Total Weight: 214.50 lb
O.D. 2.75 in

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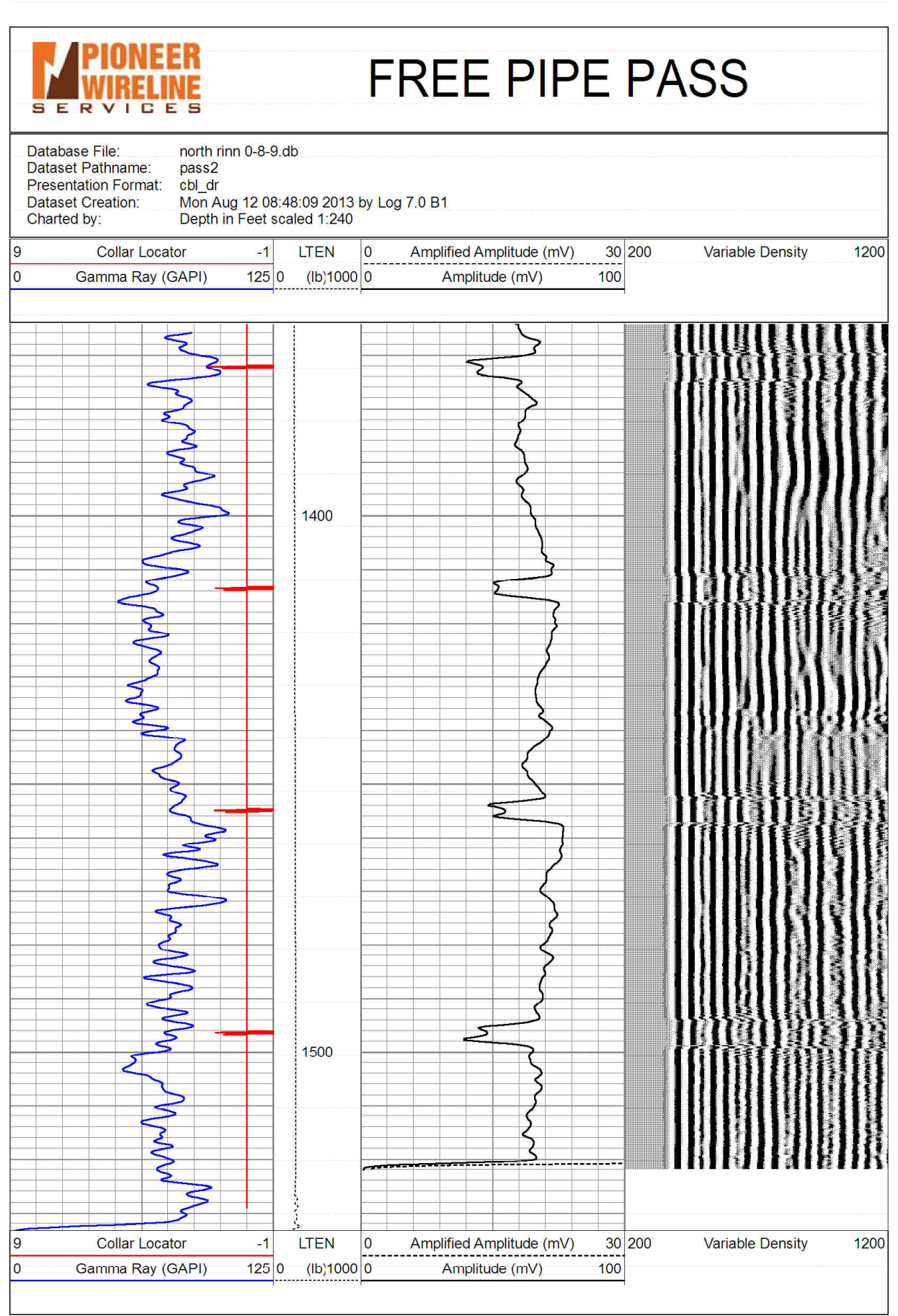
FREE PIPE PASS

Database File: north rinn 0-8-9.db
Dataset Pathname: pass2
Presentation Format: cbl_dr
Dataset Creation: Mon Aug 12 08:48:09 2013 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240



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FREE PIPE PASS

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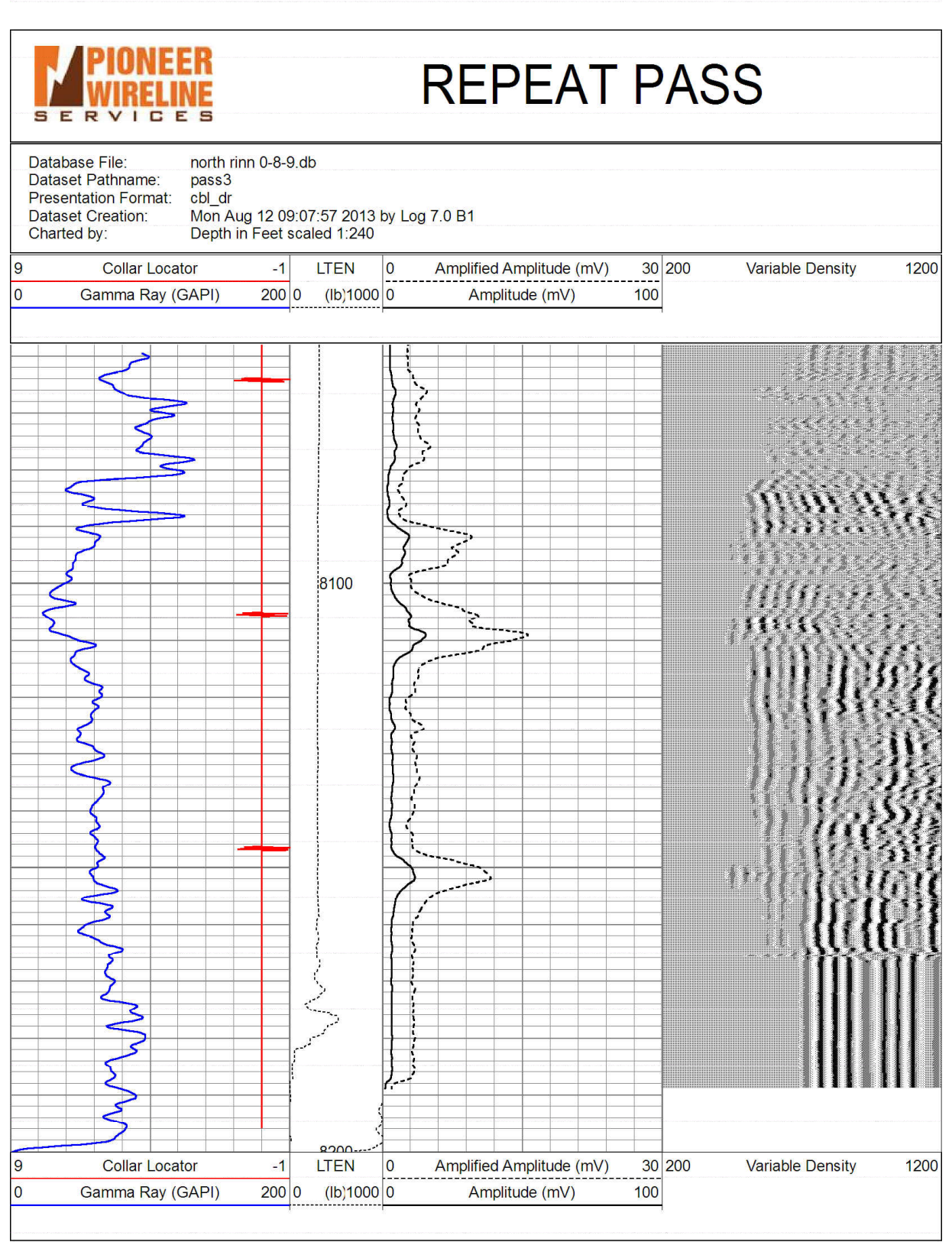
REPEAT PASS

Database File: north rinn 0-8-9.db
Dataset Pathname: pass3
Presentation Format: cbl_dr
Dataset Creation: Mon Aug 12 09:07:57 2013 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240



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REPEAT PASS

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MAIN PASS

Database File: north rinn 0-8-9.db
Dataset Pathname: pass4
Presentation Format: cbl_dr
Dataset Creation: Mon Aug 12 09:10:47 2013 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

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MAIN PASS