C&J ENERGY SERVICES

GAMMA RAY / CCL
CEMENT BOND / VDL

Company	ANADARKO PETROLEUM CORP.
Well	ENCORE 21-12
Field	WATTENBERG
County	LARIMER
State	COLORADO

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Location: API # : 05-069-06419
SEC 12 TWP 5N RGE 68W

Other Services

Permanent Datum	GL	Elevation 4979'	Elevation K.B. 4995' D.F. 4994' G.L. 4979'
Log Measured From	KB		
Drilling Measured From	KB		

Date	July 24, 2019
Run Number	One
Depth Driller	8030'
Depth Logger	3980'
Bottom Logged Interval	3980'
Top Log Interval	Surface
Casing Size	4 1/2
Type Fluid	Water
Max. Recorded Temp.	NA
Estimated Cement Top	--
Time Well Ready	9:30am
Time Logger On Bottom	10:00am
Unit Number	200054
Tool Size / ID Number	2 3/4 Tecko
Location	HWY 34 & 13
Recorded By	Adam Frank
Witnessed By	Jody Cornell

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8	24#		
Prot. String				
Production String	4 1/2	11.6#		
Liner				

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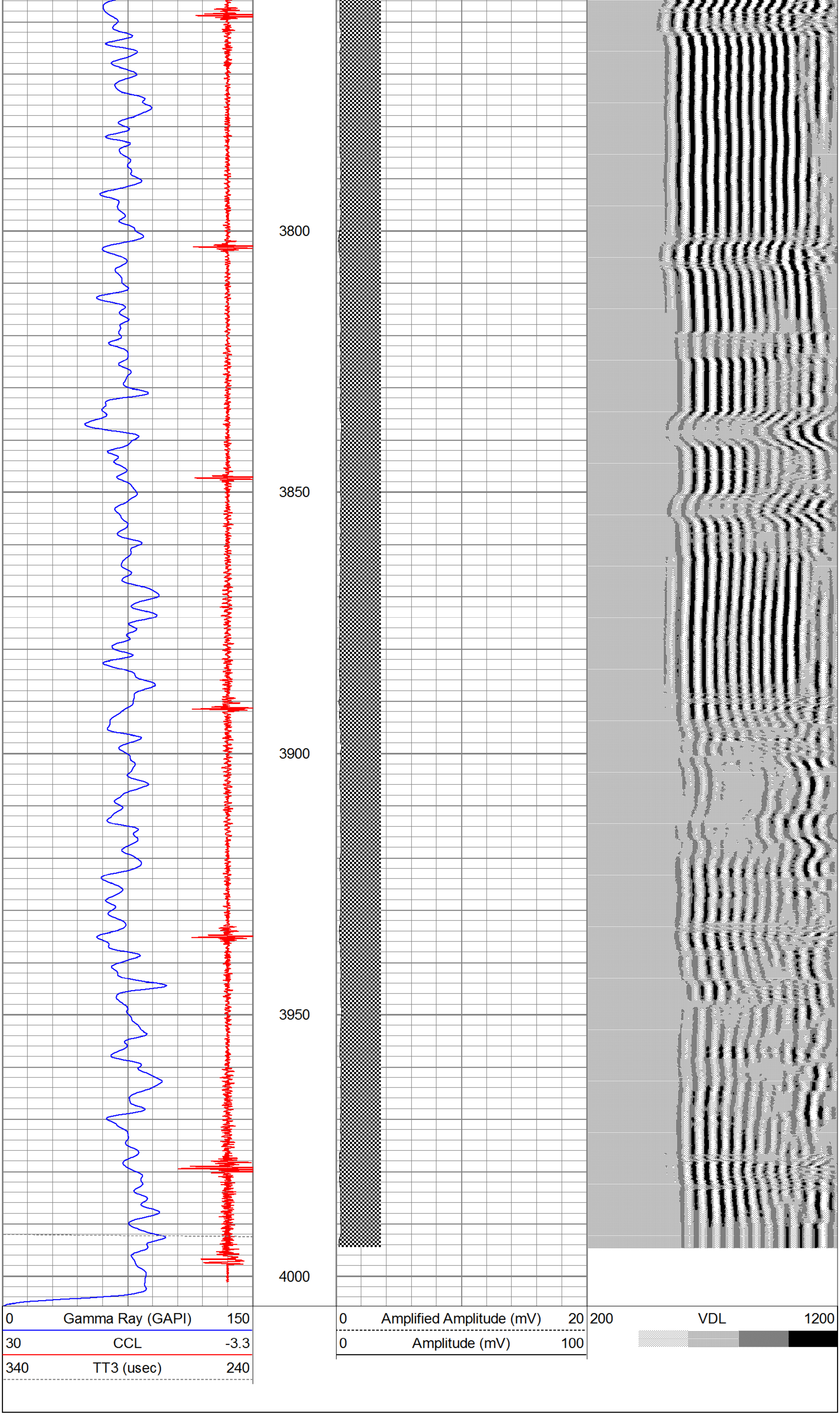
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Thank You for using Casedhole Solutions!
Log Not Correlated
Log ran under 500 PSI

Database File:	encore 21-12.db
Dataset Pathname:	pass3
Presentation Format:	nuexbond
Dataset Creation:	Wed Jul 24 09:57:47 2019 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240



Calibration Report

Database File: encore 21-12.db
Dataset Pathname: pass3
Dataset Creation: Wed Jul 24 09:57:47 2019 by Log SCH 120430

Gamma Ray Calibration Report

Serial Number: 234GR-328
Tool Model: TekcoGR
Performed: Fri Jun 06 09:19:31 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.8000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 234B35C-8013
Tool Model: TEKCO
Performed: Wed Jul 24 09:46:18 2019

Depth: 527.567 ft
Casing Diameter: 4.500 in

	3' Spacing	5' Spacing	
Signal Zero:			mV
Calibrated Amplitude:			mV
Reading at Signal Zero:			V
Reading in Free Pipe:			V

Gain:
Offset: