PIONEER
Pioneer Energy Services

RADIAL SECTOR BOND LOG WITH GAMMA RAY/CCL

Company	ENCANA OIL & GAS (USA) INC.
Well	NEWNAM 2J-32H C264
Field	WATTENBERG
County	WELD
State	CO
Location:	API # : 05-123-39779 SHL: 308' FNL & 1637' FWL NENW SEC 32 TWP 2N RGE 64W
Other Services	NONE
Permanent Datum	GL
Elevation	4955
Log Measured From	KB
Drilling Measured From	KB
Elevation K.B.	4968
D.F.	4967
G.L.	4955

CompanyENCANA OIL & GAS (USA) INC.
Well NEWNAM 2J-32H C264
Field WATTENBERG
County WELD State CO

Date of Service	JANUARY 30, 2015
Run Number	1
Depth Driller or PBTD	11517'
Depth Logger	7208'
Bottom Log Interval	7207'
Top Log Interval	Surface
Open Hole Size	8.75"
Type Fluid	WBM
Fluid Level	60'
Fluid Density	10.8#
Max. Recorded Temperature	N/A
Max. Wellhead Pressure	0 PSI
Wellhead Connection	7"
Estimated Cement Top	692'
Unit Number	P-36
Wireline Size	7/16"
Location	FT. MORGAN
Recorded By	CLINT CHRISTENSEN
Witnessed By	RICH BORNER

	Size	Wt/Ft	Top	Bottom
Tubing Record	N/A	N/A	N/A	N/A
Surface Casing	N/A	N/A	N/A	N/A
Production Casing	7"	26#	SURFACE	7408'
Liner Record	N/A	N/A	N/A	N/A

<<< Fold Here >>>

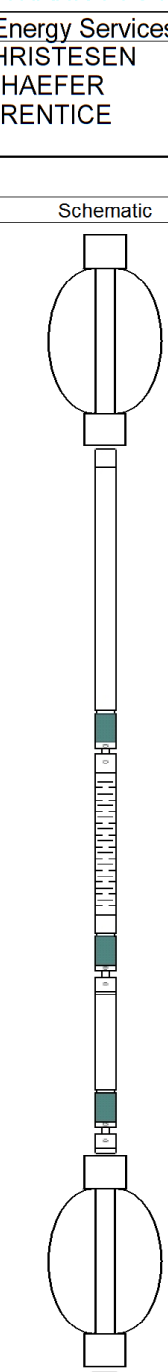
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
LOGGED UNDER 0 PSI
DEPTH CORRELATED TO 7" TALLY
ENSIGN RIG #124
THANK YOU FOR USING PIONEER ENERGY SERVICES
SO# 2-013951

THANK YOU FOR USING PIONEER ENERGY SERVICES

Your Pioneer Energy Services Crew	Tool Data - Services	Serial Number
Engineer: CLINT CHRISTESEN	PROBE RADII BOND	11206
Operator: DALE SCHAEFER	PROBE CCL/GAMMA	51013
Operator: JAMES PRENTICE		
Operator: -		

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENT #2 -A (1)	2.83	2.75	20.00
IntTemp	14.66					
TEMP	13.64					
			RBT-RBT-C3 (11206) Probe Radii Bond Tool with Digital Telemetry	9.33	2.75	90.00
WVF3FT	11.41					
WVFCAL	11.41					
WVFS1	11.41					
WVFS2	11.41					
WVFS3	11.41					
WVFS4	11.41					
WVFS5	11.41					
WVFS6	11.41					
WVFS7	11.41					
WVFS8	11.41					
WVF5FT	10.41					
			CENT-A (1)	2.83	2.75	20.00
CCL	3.92					
			GR-probe 2.75 (51013) proble Digital CCL Gamma	4.33	2.75	100.00
GR	1.13					

Dataset: 13951.db: field/well/run1/FINAL
Total Length: 19.32 ft
Total Weight: 230.00 lb
O.D. 2.75 in

PIONEER
Pioneer Energy Services

MAIN PASS

LOGGED UNDER 0 PSI

Database File:	13951.db
Dataset Pathname:	FINAL
Presentation Format:	scbl002
Dataset Creation:	Fri Jan 30 10:04:12 2015
Charted by:	Depth in Feet scaled 1:240

PIONEER

Pioneer Energy Services

MAIN PASS

LOGGED UNDER 0 PSI

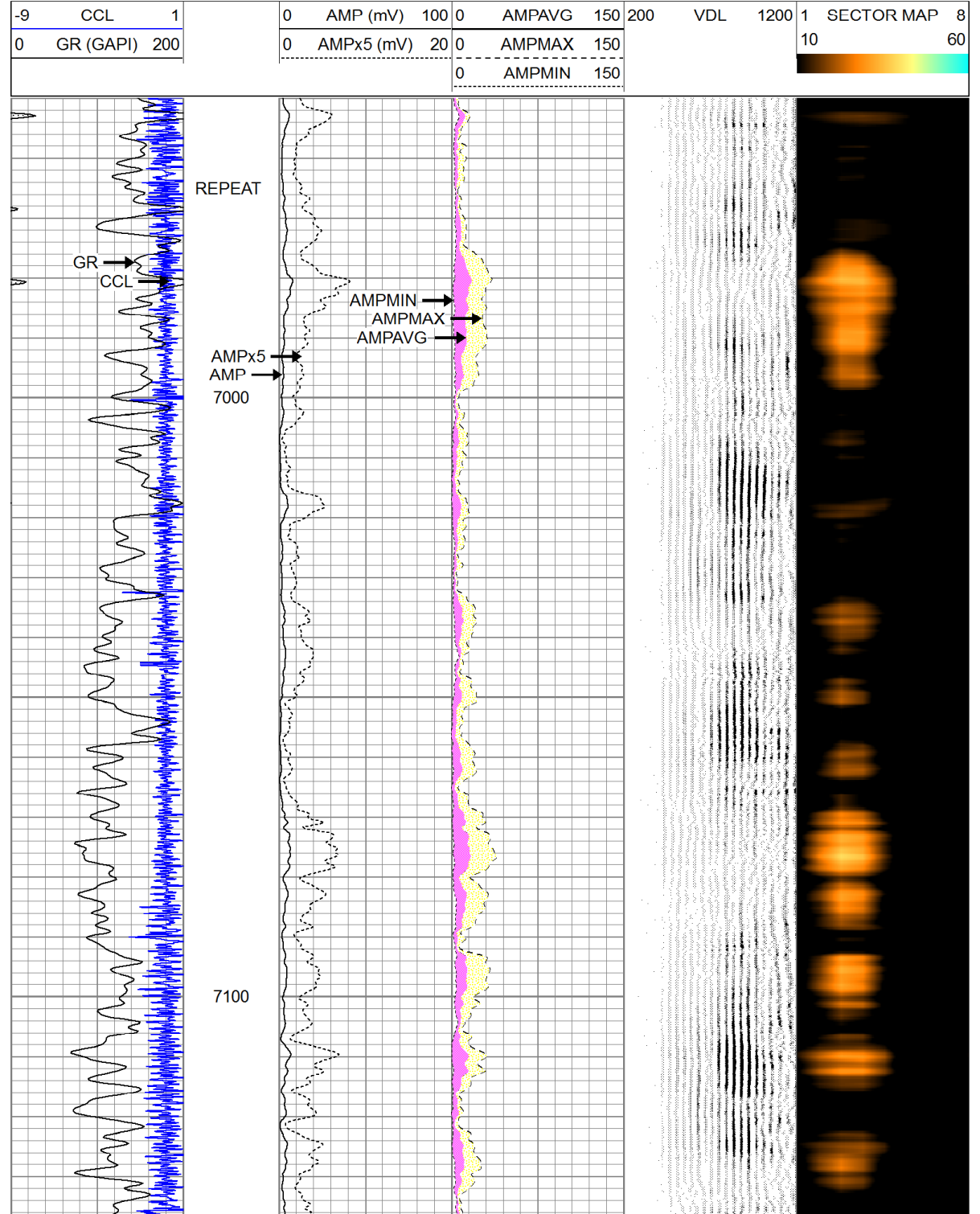
PIONEER

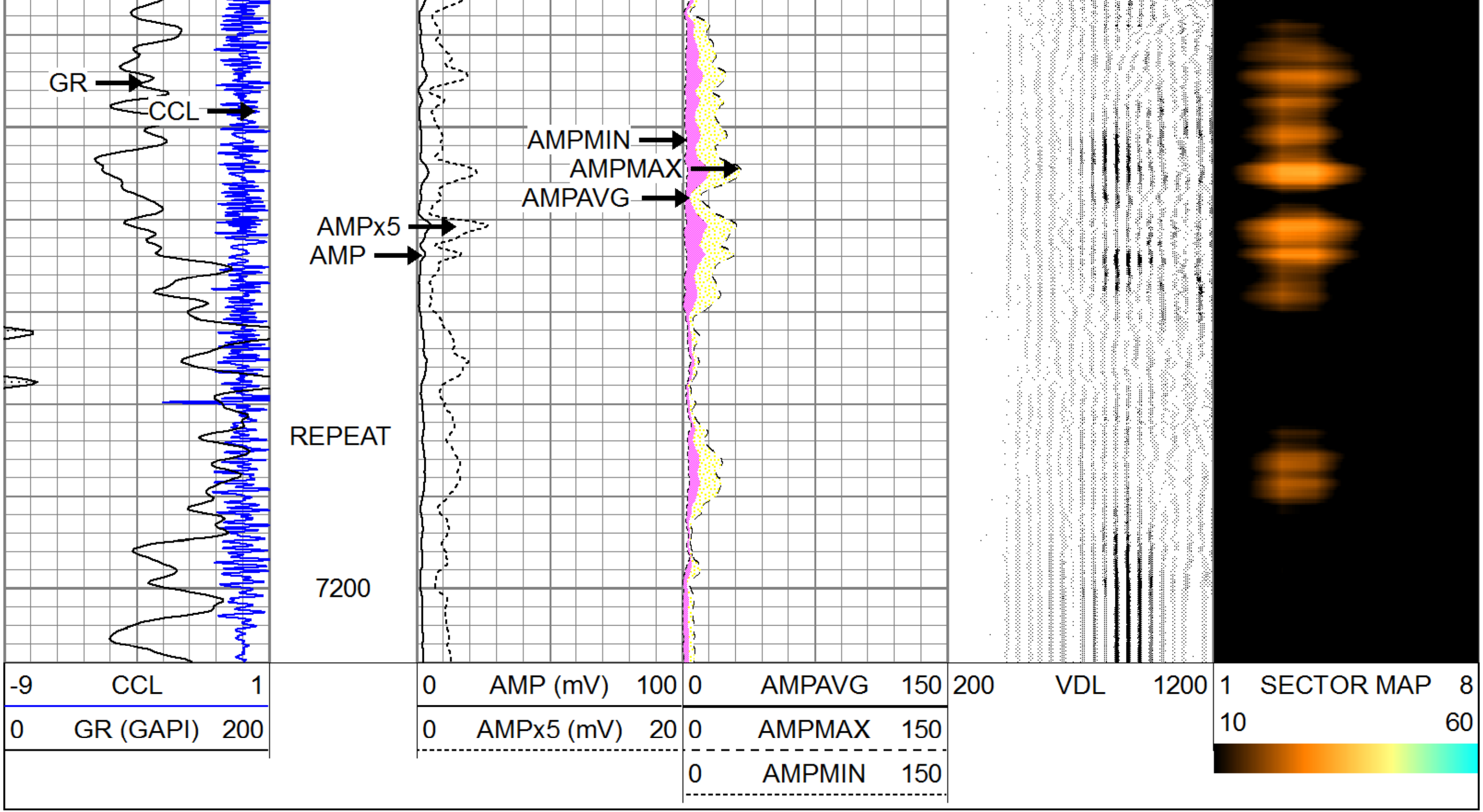
Pioneer Energy Services

REPEAT PASS

LOGGED UNDER 0 PSI

Database File:	13951.db
Dataset Pathname:	pass5.1
Presentation Format:	scbl002
Dataset Creation:	Fri Jan 30 10:30:44 2015 by Calc Open-Cased 110302
Charted by:	Depth in Feet scaled 1:240





Pioneer Energy Services

REPEAT PASS

LOGGED UNDER 0 PSI

Calibration Report

Database File: 13951.db
Dataset Pathname: FINAL
Dataset Creation: Fri Jan 30 10:04:12 2015

Gamma Ray Calibration Report

Serial Number:	51013	
Tool Model:	probe 2.75	
Performed:	Fri Jan 30 06:09:47 2015	
Calibrator Value:	1400.0	GAPI
Background Reading:	26.8	cps
Calibrator Reading:	1120.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	11206	
Tool Model:	RBT-C3	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	1042.512	ft

Master Calibration, performed Fri Jan 30 09:41:10 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.013	1.154	0.250	62.200	53.084	0.943
CAL	0.001	0.882				
5'	0.007	1.099	0.250	62.200	56.745	-0.137
SUM						
S1	-0.016	1.437	0.000	100.000	68.855	1.089
S2	-0.020	1.541	0.000	100.000	64.051	1.292
S3	-0.010	1.282	0.000	100.000	77.388	0.804
S4	-0.005	1.220	0.000	100.000	81.590	0.430
S5	-0.007	1.306	0.000	100.000	76.162	0.556
S6	-0.010	1.446	0.000	100.000	68.701	0.664
S7	-0.005	1.417	0.000	100.000	70.296	0.358
S8	-0.011	1.512	0.000	100.000	65.663	0.732

Internal Reference Calibration, performed Fri Jan 30 08:10:19 2015:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.909	0.001	1.020	1.122	0.000

Air Zero Calibration, performed Fri Jan 30 07:19:30 2015:

	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: 11206
Tool Model: RBT-C3
Performed: Fri Jan 30 06:09:54 2015

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

Gain: 0.30
Offset: 12.00
Delta Spacing 1

Pioneer Energy Services

Company	ENCANA OIL & GAS (USA) INC.
Well	NEWNAM 2J-32H C264
Field	WATTENBERG
County	WELD
State	CO