Radial Cement Bond Gamma Ray Casing Collar Log

THE WIRELINE GROUP (TWG)

Company	Caerus Oil and Gas LLC.
Well	BJU M33A FED 24A-32 496
Field	Grand Valley
County	Garfield
State	Colorado

Company: Caerus Oil and Gas LLC.
Well: BJU M33A FED 24A-32 496
Field: Grand Valley
County: Garfield
State: Colorado
Location: API #: 05-045-24326
SEC 33 TWP 4S RGE 96W

Other Services: CNL

Permanent Datum	Ground Level	Elevation 8403'	Elevation
Log Measured From	Kelly Bushing		K.B. 8433'
Drilling Measured From	Kelly Bushing		D.F. 8433'
			G.L. 8403'

Date	19-NOV-2023
Run Number	One
Depth Driller	11616'
Depth Logger	11480'
Bottom Logged Interval	11479'
Top Log Interval	Surface
Open Hole Size	8.750"
Type Fluid	Fresh Water
Density / Viscosity	8.34 lb/gal
Max. Recorded Temp.	286°F
Estimated Cement Top	See Log
Time Well Ready	ROA
Time Logger on Bottom	08:00
Equipment Number	8102
Location	Grand Junction
Recorded By	E. Vaughn
Witnessed By	B. Elliss

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size (in)	Wgt (lbs/Ft)	Grade	Top	Bottom
Surface Casing	9.625	36.0	J-55	Surface	3000.4'
Intermediate #1	4.5	13.5	P-110	Surface	11601'
Intermediate #2					
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

Log ran as per customer request.
Depth referenced to Kelly Bushing @ 30'
Marker Joint from 7555' - 7565'

Log ran with 0 PSI surface induced pressure.

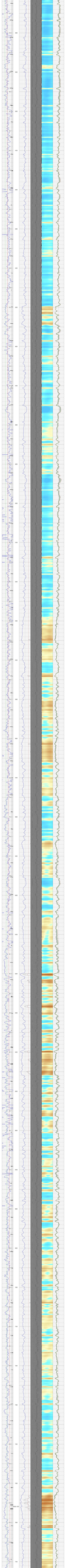
Thank you for choosing The Wireline Group!!!

TWG THE WIRELINE GROUP

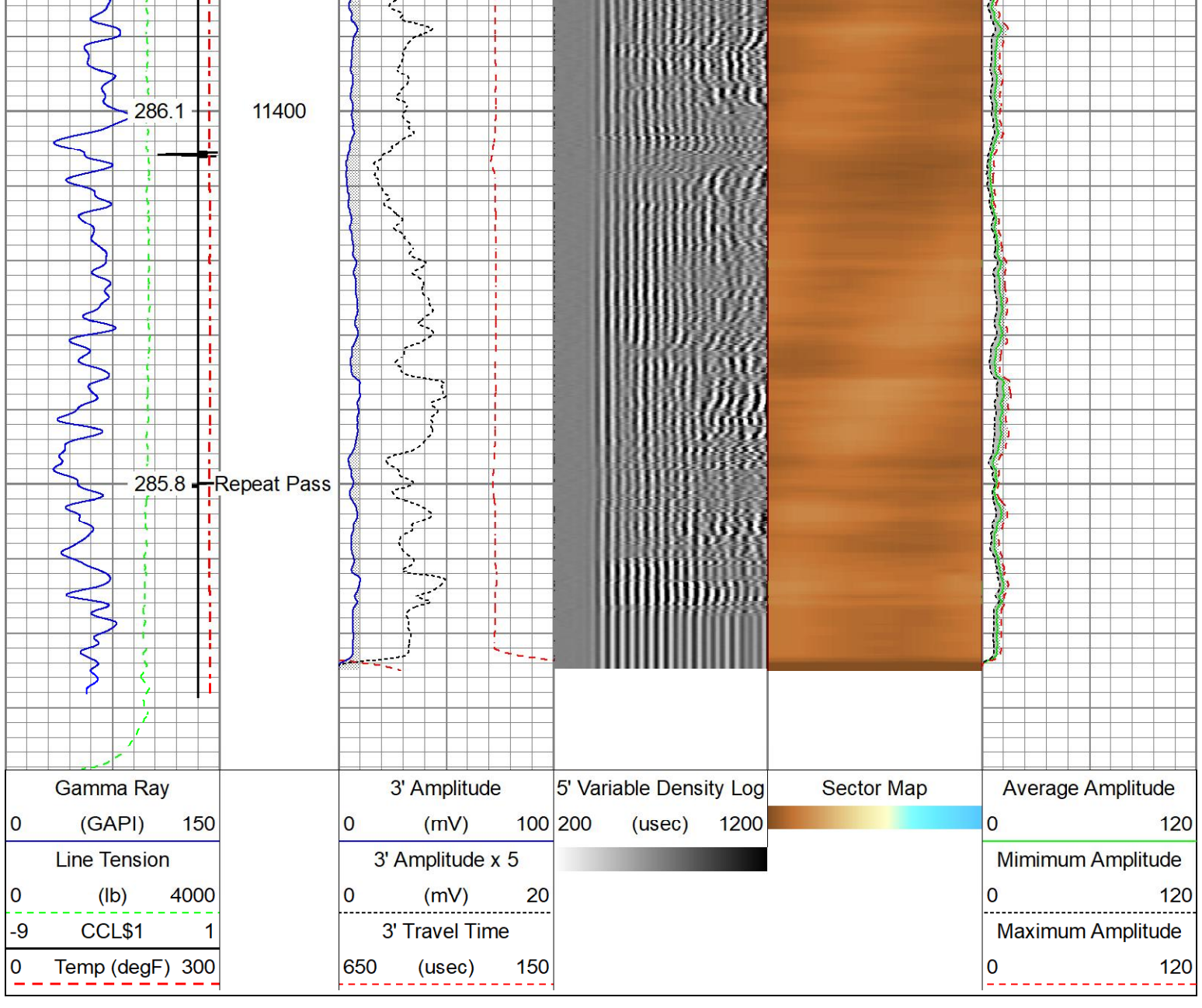
Main Pass 5" = 100'

Database File	caerus_bju_m33_fed_24a-32-496_rcbl_cnl.db
Dataset Pathname	main
Presentation Format	twgrcbl
Dataset Creation	Sun Nov 19 07:56:52 2023
Charted by	Depth in Feet scaled 1:240

Gamma Ray 0 (GAPI) 150	3' Amplitude 0 (mV) 100	5' Variable Density Log 200 (usec) 1200	Sector Map	Average Amplitude 0 120
Line Tension 0 (lb) 4000	3' Amplitude x 5 0 (mV) 20			Mimimum Amplitude 0 120
CCL$1 -9 1	3' Travel Time 650 (usec) 150			Maximum Amplitude 0 120
Temp (degF) 0 300				



Repeat Pass 5" = 100'



Calibration Report

Database File	caerus_bju_m33_fed_24a-32-496_rcbl_cnl.db
Dataset Pathname	main
Dataset Creation	Sun Nov 19 07:56:52 2023

Compensated Neutron Calibration Report

Serial Number: FW1409-35
Tool Model: 275Dig

TANK CALIBRATION — Mon Jan 30 16:01:15 2023

	Tool Ratio	Tank Ratio	K-Factor
Tank Calibration	10.9772	11.6940	1.0653

Detector	Readings	
Short Space	765.97	cps
Long Space	69.78	cps

Gamma Ray Calibration Report

Serial Number: 110255
Tool Model: GCT275-0001
Performed: Thu Jul 6 13:26:01 2023

Calibrator Value: 150.4 GAPI

Background Reading: 72.3 cps
Calibrator Reading: 300.9 cps

Sensitivity: 0.6579 GAPI/cps

Inclinometer Calibration Report

Performed: (Not Performed)

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Segmented Cement Bond Log Calibration Report

Serial Number: FW1906-032
Tool Model: Probe275acc

Calibration Casing Diameter: 4.500 in
Calibration Depth: 408.675 ft

Master Calibration, performed Thu Nov 16 10:37:44 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	0.745	0.150	81.196	109.612	-0.471
CAL	0.008	0.742				
5'	0.007	0.645	0.150	81.196	126.968	-0.747
SUM						
S1	0.008	0.737	0.000	100.000	137.054	-1.029
S2	0.007	0.712	0.000	100.000	141.811	-1.032
S3	0.007	0.717	0.000	100.000	140.727	-0.943
S4	0.006	0.730	0.000	100.000	138.238	-0.883
S5	0.006	0.755	0.000	100.000	133.649	-0.861
S6	0.008	0.767	0.000	100.000	131.730	-1.024
S7	0.007	0.780	0.000	100.000	129.383	-0.899
S8	0.006	0.777	0.000	100.000	129.680	-0.766

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.008	0.742	1.000	0.000

Air Zero Calibration, performed Thu Nov 16 10:33:06 2023:

	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

Inclinometer Calibration Report

Performed: (Not Performed)

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GCT_FMWR	20.18					
mSec_Count	20.18		STD BLCH-14375 Standard 1-7/16" Braided Line Cable Head with 1" Fishing Neck	1.04	1.44	1.00
RBT_Status	20.18					
Error_Ct	20.18					
			SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
WVFS8	14.63		RBT8acc-Probe275acc (FW1906-032) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
WVFS7	14.63					
WVFS6	14.63					
WVFS5	14.63					
WVFS4	14.63					
WVFS3	14.63					
WVFS2	14.63					
WVFS1	14.63					
WVF3FT	14.63					
WVF5FT	13.63					
RBT_ACCZ	10.38					
RBT_ACCY	10.38					
RBT_ACCX	10.38					
GCT_HV	10.38					
WVFSYNC	10.38					
WVFCAL	10.38					
CCL$2	9.53		SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
CCL$1	9.53					
GCT_Temp	8.78		GCacc-GCT275-0001 (110255) Probe 2.75" 6 Pin Gamma Ray - CCL w/ Temp	5.01	2.75	55.00
GR	8.03					
GCT_IntTemp	7.04					
GCT_ACCZ	5.37					
GCT_ACCY	5.37					
GCT_ACCX	5.37					
			CNT-275Dig (FW1409-35) Probe Digital CNL	5.24	2.75	40.00
CNLSC	2.05		SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
CNSSC	1.61					
			Sealed-77835 77835	0.14	1.70	2.00

Dataset: caerus_bju_m33_fed_24a-32-496_rcbl_cnl.db: field/well/run1/main
Total length: 20.18 ft
Total weight: 238.00 lb
O.D.: 3.25 in

Company	Caerus Oil and Gas LLC.
Well	BJU M33A FED 24A-32 496
Field	Grand Valley
County	Garfield
State	Colorado

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