GAMMA RAY CCL
CEMENT BOND
SECTOR VDL

Company	Crestone Peak
Well	Sky Ranch 4-65 10-9-8-7 3AH
Field	DJ Horizontal Niobrara
County	Adams
State	CO

Company Crestone Peak
Well Sky Ranch 4-65 10-9-8-7 3AH
Field DJ Horizontal Niobrara
County Adams State CO

Location: API # : 05-005-07541
NE / SE
SEC 10 TWP 4S RGE 65W

Other Services

Permanent Datum GL Elevation 5683'
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 5708'
D.F. 5707'
G.L. 5683'

Date	November 13, 2023
Run Number	1
Depth Driller	28,566'
Depth Logger	8070'
Bottom Logged Interval	8070'-0'
Top Log Interval	
Open Hole Size	8-3/4"
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	243° F
Estimated Cement Top	2024'
Time Well Ready	
Time Logger on Bottom	
Equipment Number	802
Location	Kersey, CO
Recorded By	Meisner
Witnessed By	Josh Johnson

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9-5/8	36# J-55	0'	3219'
Prot. String				
Production String	6"	24.1# P-110	0'	28,566'
Liner				

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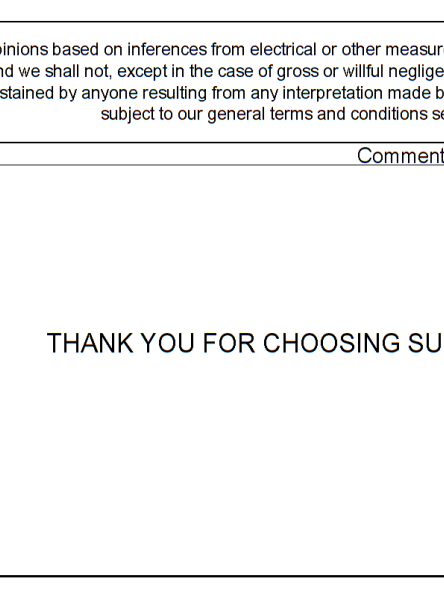
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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



Sensor	Offset (ft)	Description	Length (ft)	O.D. (in)	Weight (lb
ErrCt	19.69				
		CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
WVFSYNC WVFS8 WVFS7 WVFS6 WVFS5 WVFS4 WVFS3 WVFS2 WVFS1 WVFCAL WVF3FT WVF5FT	12.27 12.27 12.27 12.27 12.27 12.27 12.27 12.27 12.27 12.27 12.27 11.19	RBT-Probe (FW1905-055) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
		CENT-BC275-0000 Probe 2.75" Bowspring Centralizer	2.83	2.75	24.00
GCT_HV	5.10				
CCL$2 CCL$1 GCT_Temp	4.14 4.14 3.59				
GR	2.72	GC-GCT275-0000 (FW1905-099) Probe Gamma Ray - CCL w/ Temp	4.77	2.75	55.00
		Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00

Dataset:	civ465789103ah.db: field/well/run1/pass2
Total length:	19.69 ft
Total weight:	194.00 lb
O.D.:	2.75 in

Database File	civ465789103ah.db
Dataset Pathname	pass2
Presentation Format	civitas
Dataset Creation	Mon Nov 13 10:11:57 2023
Charted by	Depth in Feet scaled 1:240

5 CCL$1 -0.625
0 GR (GAPI) 150
0 AMP (mV) 100
650 TT (usec) 150
0 AMPx5 (mV) 20
0 AMPS1 150
0 AMPS2 150
0 AMPS3 150
0 AMPS4 150
0 AMPS5 150
0 AMPS6 150
0 AMPS7 150
0 AMPS8 150
GCT_Temp (degF)
200 VDL (usec) 1200
1 RADIAL MAP 8

Database File	civ465789103ah.db
Dataset Pathname	pass1
Presentation Format	civitas
Dataset Creation	Mon Nov 13 09:46:22 2023
Charted by	Depth in Feet scaled 1:240

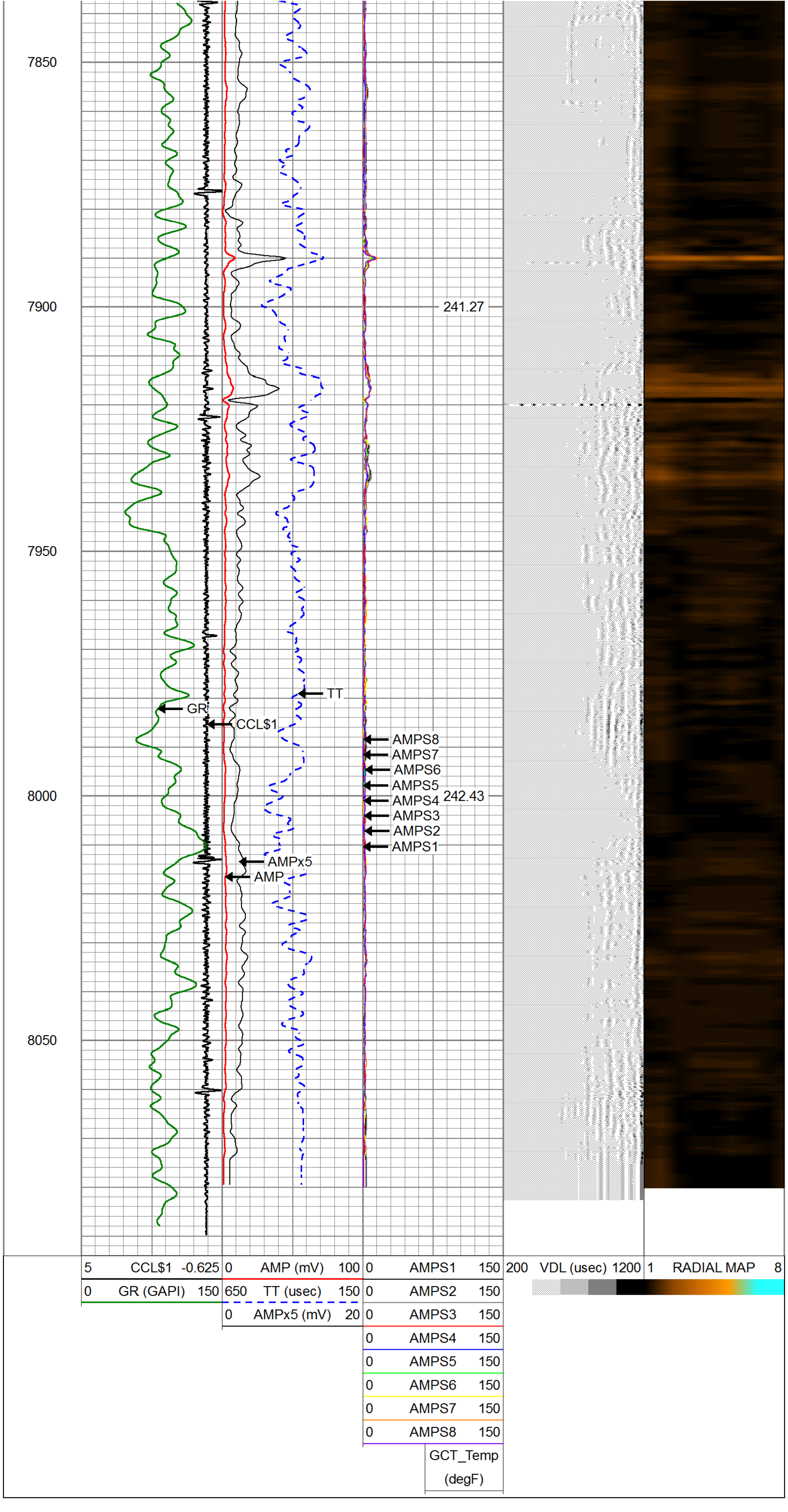
5 CCL$1 -0.625	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 RADIAL MAP 8
0 GR (GAPI) 150	650 TT (usec) 150	0 AMPS2 150		
	0 AMPx5 (mV) 20	0 AMPS3 150		
		0 AMPS4 150		
		0 AMPS5 150		
		0 AMPS6 150		
		0 AMPS7 150		
		0 AMPS8 150		
		GCT_Temp (degF)		

SureFire
WIRELINE WEST
LLC

Repeat Pass

Database File civ465789103ah.db
Dataset Pathname pass
Presentation Format civitas
Dataset Creation Mon Nov 13 09:44:11 2023
Charted by Depth in Feet scaled 1:240

5 CCL$1 -0.625	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 RADIAL MAP 8
0 GR (GAPI) 150	650 TT (usec) 150	0 AMPS2 150		
	0 AMPx5 (mV) 20	0 AMPS3 150		
		0 AMPS4 150		
		0 AMPS5 150		
		0 AMPS6 150		
		0 AMPS7 150		
		0 AMPS8 150		
		GCT_Temp (degF)		



5 CCL$1 -0.625	0 AMP (mV) 100	0 AMPS1 150	200 VDL (usec) 1200	1 RADIAL MAP 8
0 GR (GAPI) 150	650 TT (usec) 150	0 AMPS2 150		
	0 AMPx5 (mV) 20	0 AMPS3 150		
		0 AMPS4 150		
		0 AMPS5 150		
		0 AMPS6 150		
		0 AMPS7 150		
		0 AMPS8 150		
		GCT_Temp (degF)		

Calibration Report

Database File civ465789103ah.db
Dataset Pathname pass2
Dataset Creation Mon Nov 13 10:11:57 2023

Gamma Ray Calibration Report

Serial Number:	FW1905-099	
Tool Model:	GCT275-0000	
Performed:	Mon Sep 18 09:12:37 2023	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6500	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1905-055	
Tool Model:	Probe	
Calibration Casing Diameter:	6.000	in
Calibration Depth:	356.800	ft

Master Calibration, performed Mon Nov 13 09:20:00 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	2.035	0.800	68.236	33.147	0.780
CAL	0.001	1.343				
5'	0.001	0.370	0.800	68.236	182.491	0.664
SUM						
S1	0.001	2.006	0.000	68.236	34.037	-0.031
S2	0.001	1.877	0.000	68.236	36.379	-0.032
S3	0.001	1.845	0.000	68.236	37.010	-0.032
S4	0.001	1.927	0.000	68.236	35.421	-0.038
S5	0.001	2.071	0.000	68.236	32.961	-0.033
S6	0.001	2.195	0.000	68.236	31.100	-0.029
S7	0.001	2.174	0.000	68.236	31.396	-0.030
S8	0.001	2.152	0.000	68.236	31.728	-0.027

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.001	1.343	1.000	0.000

Air Zero Calibration, performed Mon Oct 09 13:12:11 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