NEXTIER
COMPLETION SOLUTIONS

RADIAL CEMENT BOND GAMMA RAY C.C.L. LOG

Company	CIVITAS RESOURCES
Well	CRITTER CREEK 14-18H
Field	HEREFORD
County	WELD
State	COLORADO

Company CIVITAS RESOURCES
Well CRITTER CREEK 14-18H
Field HEREFORD
County WELD State COLORADO

Location: API # : 05-123-32868-000
SHL 501' FSL @ 501' FEL
SEC TWP RGE

Other Services
NONE

Permanent Datum GROUND LEVEL Elevation 5348'
Log Measured From KELLY BUSHING (21.5')
Drilling Measured From KELLY BUSHING

Elevation
K.B. 5369'
D.F. 5368'
G.L. 5348'

Date	4 JANUARY, 2022
Run Number	ONE
Depth Driller	12432'
Depth Logger	1714'
Bottom Logged Interval	1711'
Top Log Interval	SURFACE
Casing Size	7"
Type Fluid	WATER
Max. Recorded Temp.	N/A
Estimated Cement Top	EST 1482'
Time Well Ready	R.O.A.
Time Logger On Bottom	7:55AM
Unit Number	200128
Tool Size / ID Number	2.75 RADIAL PROBE
Location	STERLING, CO
Recorded By	ADAM GARDNER
Witnessed By	N. SCOTT

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36#	0'	1482'
Prot. String				
Production String	7"	23#	0'	7808'
Liner	4.5"	11.6#	6984'	12428'

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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 NOT CORRELATED!
LOG RAN WITH 21.5' K.B.
ESTIMATED CEMENT TOP @ 1482'

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MAIN PASS (0 PSI)

Database File:	critter creek 14-18h.db
Dataset Pathname:	pass6
Presentation Format:	zwag
Dataset Creation:	Tue Jan 04 07:49:14 2022 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

50 CCL -5.5
0 GR (GAPI) 150
340 TT3 (usec) 240

0 AMP (mV) 100
AMPLIFIED AMP3
0 (mV) 20

0 AMPS1 100
0 AMPS2 100
0 AMPS3 100
0 AMPS4 100
0 AMPS5 100
0 AMPS6 100
0 AMPS7 100
0 AMPS8 100

200 VDL 1200

1 RADIAL MAP 8
1 62

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200 VDL 1200

1 RADIAL MAP 8
1 62

Calibration Report

Database File:	critter creek 14-18h.db
Dataset Pathname:	pass6
Dataset Creation:	Tue Jan 04 07:49:14 2022 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101010

SHOP CALIBRATION Tue Jan 04 07:48:16 2022

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.6000			GAPI/cps

PRIMARY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number:	101024	
Tool Model:	Probe	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	551.842	ft

Master Calibration, performed Tue Jan 04 07:39:39 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	1.926	0.800	62.165	31.884	0.763
CAL	0.001	0.668				
5'	0.001	1.883	0.800	62.165	32.606	0.759
SUM						
S1	0.001	1.868	0.000	62.000	33.204	-0.038
S2	0.001	1.890	0.000	62.000	32.821	-0.036
S3	0.001	1.917	0.000	62.000	32.356	-0.038
S4	0.001	1.916	0.000	62.000	32.380	-0.045
S5	0.001	1.914	0.000	62.000	32.407	-0.042
S6	0.001	1.848	0.000	62.000	33.574	-0.044
S7	0.001	1.782	0.000	62.000	34.810	-0.035
S8	0.001	1.789	0.000	62.000	34.689	-0.047

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.001	0.668	1.000	0.000

Air Zero Calibration, performed Fri Aug 02 12:48:57 2019:

	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

Log Variables

Database:C:\Warrior\Data\critter creek 14-18h.db
Dataset: field/well/run1/pass6

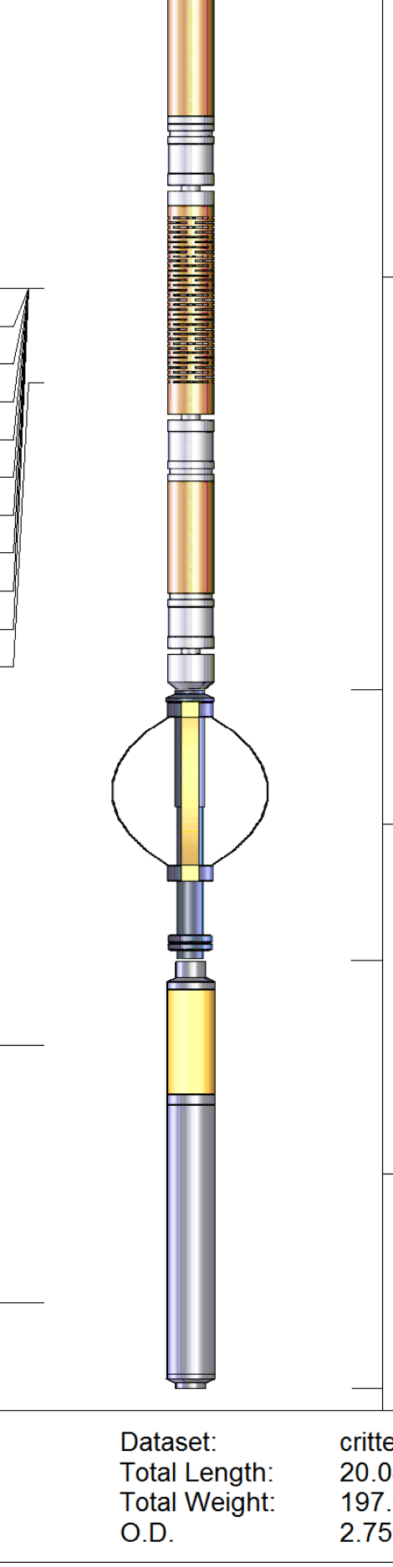
Top - Bottom

PPT usec	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN db/ft	SRFTEMP degF	CASEOD in	PERFS
396	23	62	1	0.8	0	7	0

TDEPTH ft	BOTTEMP degF	BOREID in
0	200	9.625

Sensor	Offset (ft)
HEADVOLT	16.33
IntTemp	14.92
WVF3FT	11.67
WVFCAL	11.67
WVFS1	11.67
WVFS2	11.67
WVFS3	11.67
WVFS4	11.67
WVFS5	11.67
WVFS6	11.67
WVFS7	11.67
WVFS8	11.67
WVF5FT	10.67
CCL	3.63
GR	0.90

Schematic



Description	Len (ft)	OD (in)	Wt (lb)
STNDRD Standard Cable Head	1.00	1.69	10.00
Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
RBT-Probe (101024) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
GR-Probe275dig (101010) Probe Gamma CCL	4.54	2.75	57.00

Dataset:	critter creek 14-18h.db: field/well/run1/pass6
Total Length:	20.04 ft
Total Weight:	197.00 lb
O.D.	2.75 in