NEXTIER
COMPLETION SOLUTIONS

RADIAL CEMENT BOND GAMMA RAY CCL LOG

Company	CM PRODUCTION LLC
Well	CANNON (OWP) 1-24
Field	TAP
County	WASHINGTON
State	COLORADO

Company CM PRODUCTION LLC
Well CANNON (OWP) 1-24
Field TAP
County WASHINGTON State COLORADO
Location: API # :
NE/SE
SEC 24 TWP 2N RGE 49W
Other Services

			Elevation
Permanent Datum	GROUND LEVEL	Elevation 4194'	K.B. 4204'
Log Measured From	KELLY BUSHING WHICH IS 10' AGL		D.F. 4203'
Drilling Measured From	KELLY BUSHING		G.L. 4194'

Date	8 JULY, 2020
Run Number	ONE
Depth Driller	4000'
Depth Logger	3730'
Bottom Logged Interval	3727'
Top Log Interval	SURFACE
Casing Size	4.5"
Type Fluid	WATER
Max. Recorded Temp.	N/A
Estimated Cement Top	3078'
Time Well Ready	ROA
Time Logger On Bottom	10:00AM
Unit Number	200099
Tool Size / ID Number	2.75 RADIAL PROBE
Location	YUMA, CO
Recorded By	ADAM GARDNER
Witnessed By	MIKE BOHLER

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4.5"	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

LOG NOT CORRELATED!!
RAN WITH 10' KB.

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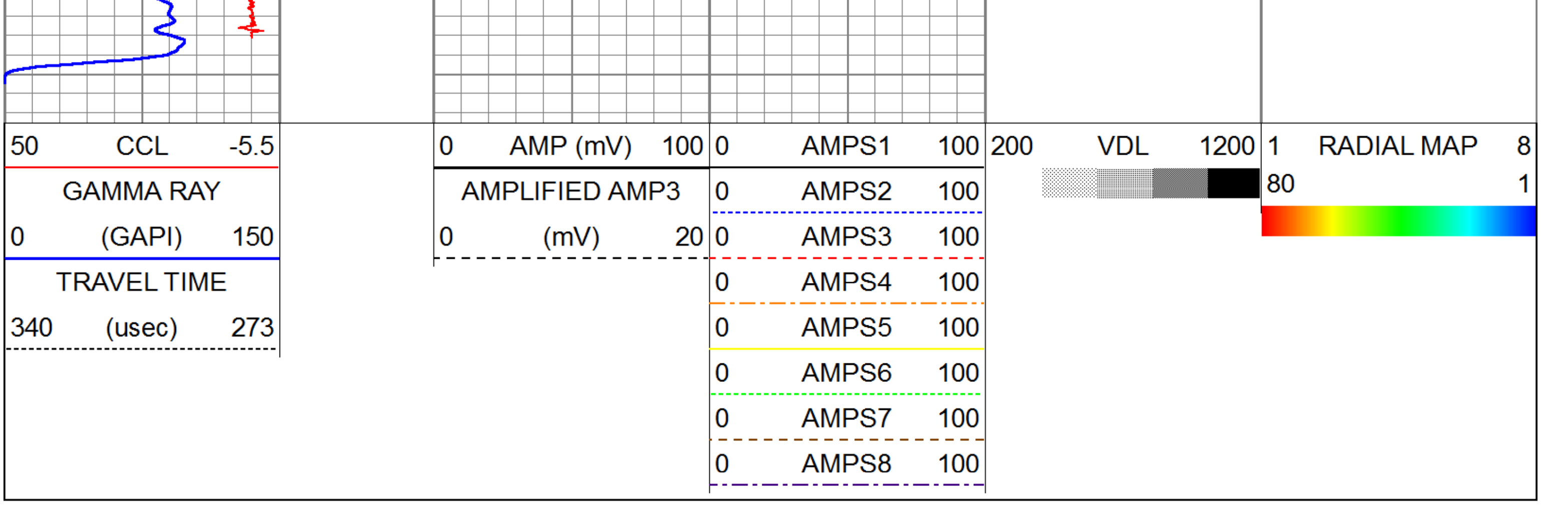
MAIN PASS (0 PSI)

Database File:	yuma well.db
Dataset Pathname:	pass9
Presentation Format:	zwag
Dataset Creation:	Wed Jul 08 10:07:21 2020 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

50 CCL -5.5	0 AMP (mV) 100	0 AMPS1 100	200 VDL 1200	1 RADIAL MAP 8
GAMMA RAY	AMPLIFIED AMP3	0 AMPS2 100		80 1
0 (GAPI) 150	0 (mV) 20	0 AMPS3 100		
TRAVEL TIME		0 AMPS4 100		
340 (usec) 273		0 AMPS5 100		
		0 AMPS6 100		
		0 AMPS7 100		
		0 AMPS8 100		



Log Variables

Database:C:\Warrior\Data\yuma well.db
Dataset: field/well/run1/pass9

Top - Bottom

PPT usec	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV	MINATTN db/ft	SRFTEMP degF	CASEOD in	PERFS
357	11.6	81	0.7	0.8	0	4.5	0

TDEPTH ft	BOTTEMP degF	BOREID in
0	200	8.625

Calibration Report

Database File: yuma well.db
Dataset Pathname: pass9
Dataset Creation: Wed Jul 08 10:07:21 2020 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 110785

SHOP CALIBRATION Wed Mar 18 07:21:11 2020

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.5200			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: 101020
Tool Model: Probe

Calibration Casing Diameter: 4.500 in
Calibration Depth: 1541.800 ft

Master Calibration, performed Wed Jul 08 09:52:58 2020:

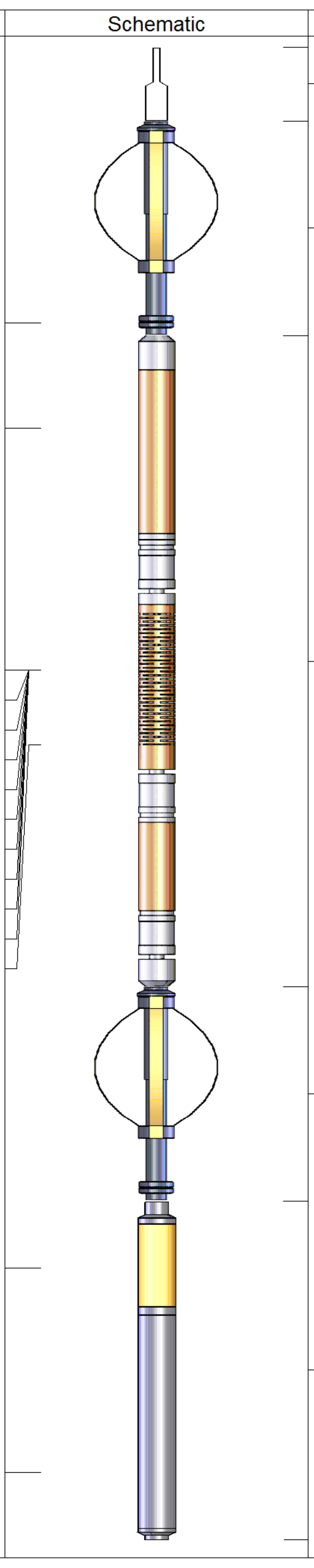
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	1.914	0.800	81.196	42.180	0.482
CAL	0.008	0.734				
5'	0.008	1.565	0.800	81.196	51.622	0.394
SUM						
S1	0.008	1.820	0.000	81.000	44.693	-0.354
S2	0.008	1.933	0.000	81.000	42.081	-0.326
S3	0.008	2.040	0.000	81.000	39.873	-0.325
S4	0.008	2.036	0.000	81.000	39.932	-0.308
S5	0.008	1.977	0.000	81.000	41.142	-0.333
S6	0.007	1.890	0.000	81.000	43.029	-0.321
S7	0.008	1.846	0.000	81.000	44.077	-0.353
S8	0.008	1.832	0.000	81.000	44.409	-0.342

Internal Reference Calibration, performed Fri Jan 13 14:30:16 2012:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.008	0.734	1.000	0.000

Air Zero Calibration, performed Mon Dec 30 15:19:04 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

Sensor	Offset (ft)	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
HEADVOLT	16.33					
IntTemp	14.92					
WVF3FT	11.67		RBT-Probe (101020) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
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					
			Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
CCL	3.63					
			GR-Probe275dig (110785) Probe Gamma CCL	4.54	2.75	57.00
GR	0.90					

Dataset: yuma well.db: field/well/run1/pass9
Total Length: 20.04 ft
Total Weight: 197.00 lb
O.D. 2.75 in