NEXTIER
COMPLETION SOLUTIONS

RADIAL CEMENT BONG GAMMA RAY C.C.L/V.D.L. LOG

Company	KP KAUFFMAN COMPANY INC.
Well	STRONG 3-15
Field	WATTENBERG
County	EVANS/WELD
State	COLORADO

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Location: API #: 05-123-11661
SW/SE
SEC 5N TWP 66W RGE 6

Other Services
NONE

Permanent Datum	GROUND LEVEL	Elevation 4770'	Elevation
Log Measured From	KELLY BUSHING (10' A.G.L.)		K.B. 4780'
Drilling Measured From	KELLY BUSHING		D.F. 4779'
			G.L. 4770'

Date	25 FEBRUARY, 2022
Run Number	ONE
Depth Driller	7325'
Depth Logger	6600'
Bottom Logged Interval	6597'
Top Log Interval	SURFACE
Casing Size	4.5"
Type Fluid	WATER
Max. Recorded Temp.	N/A
Estimated Cement Top	6190'
Time Well Ready	R.O.A.
Time Logger On Bottom	11:00AM
Unit Number	200128
Tool Size / ID Number	2.75" RADIAL PROBE
Location	STERLING, CO
Recorded By	ADAM GARDNER
Witnessed By	RICK RAMOS

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24#	0'	304'
Prot. String				
Production String	4.5"	N/A	0'	7306'
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!
LOG RAN WITH 10' K.B.
LOG RAN 24 HOURS AFTER CEMENTING 606'-340'
CEMENT MAY NOT HAVE BEEN FULLY CURED.
THANK YOU FOR CHOOSING NEXTIER COMPLETIONS SOLUTIONS!!

NEXTIER
COMPLETION SOLUTIONS

MAIN PASS (0 PSI)

Database File: strong 3-15 rcbl.db
Dataset Pathname: pass11
Presentation Format: zwag
Dataset Creation: Fri Feb 25 11:04:11 2022 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: strong 3-15 rcbl.db
Dataset Pathname: pass11
Dataset Creation: Fri Feb 25 11:04:11 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: 4.500 in
Calibration Depth: 3560.417 ft

Master Calibration, performed Fri Feb 25 10:41:24 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.002	2.161	0.800	81.196	37.235	0.740
CAL	0.002	0.736				
5'	0.001	1.772	0.800	81.196	45.403	0.734
SUM						
S1	0.001	2.259	0.000	81.000	35.868	-0.042
S2	0.001	2.204	0.000	81.000	36.777	-0.049
S3	0.002	2.241	0.000	81.000	36.166	-0.057
S4	0.001	2.245	0.000	81.000	36.109	-0.051
S5	0.002	2.213	0.000	81.000	36.639	-0.071
S6	0.002	2.126	0.000	81.000	38.129	-0.059
S7	0.002	2.104	0.000	81.000	38.531	-0.072
S8	0.001	2.130	0.000	81.000	38.058	-0.051

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	0.002	0.736	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

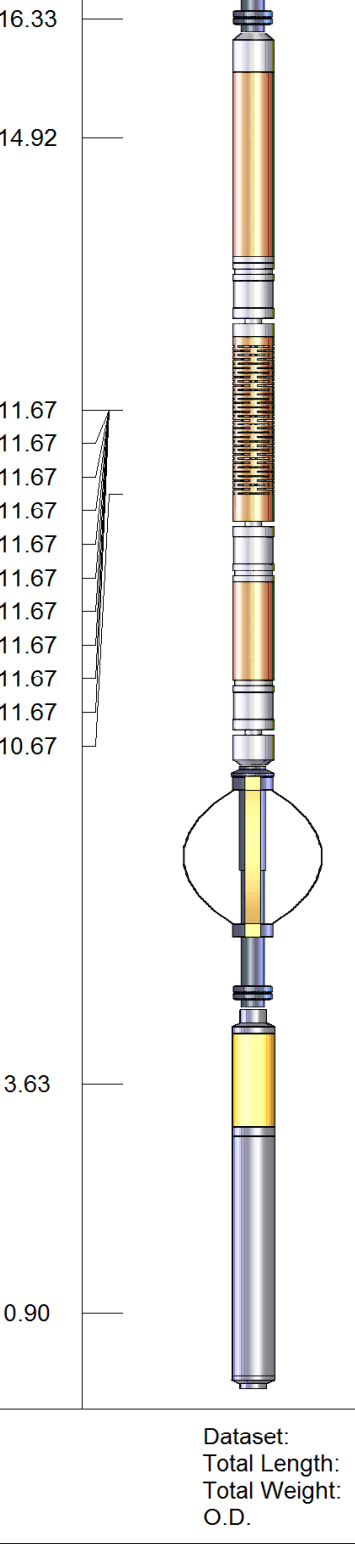
Log Variables

Database:C:\Warrior\Data\strong 3-15 rcbl.db
Dataset: field/well/run1/pass11

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	3	4.5	0

TDEPTH ft	BOTTEMP degF	BOREID in
7325	200	8.625

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 (101024) 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 (101010) Probe Gamma CCL	4.54	2.75	57.00
GR	0.90					

Dataset: strong 3-15 rcbl.db: field/well/run1/pass11
Total Length: 20.04 ft
Total Weight: 197.00 lb
O.D. 2.75 in