Company	GRAN MESA OPERATING, INC.
Well	POSS A11S
Field	
County	LINCOLN
State	COLORADO

PEAK WIRELINE SERVICES, INC.

RADIAL CEMENT BOND LOG

Company GRAND MESA OPERATING, INC.

Well POSS A11S

Field

County LINCOLN State COLORADO

Location S/2 SE SE
SEC 13 TWP 11S RGE 44W

Other Services

Permanent Datum GROUND LEVEL Elevation 5249

Log Measured From KELLY BUSHING 15' AGL

Drilling Measured From KELLY BUSHING

Elevation K.B. 5264 D.F. G.L. 5249

Date	5-8-2018
Run Number	ONE
Depth Driller	8074
Depth Logger	7706
Bottom Logged Interval	7702
Top Log Interval	5000
Casing Size	5 1/2"
Type Fluid	WATER
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	
Equipment Number	TR-8
Location	CHEYENNE WELLS, CO.
Recorded By	HENDERSON
Witnessed By	WADE GALLI

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	13 1/4"	0	524				
TWO	7 7/8"	524	8029				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9 5/8"	36#	0	524
Prot. String				
Production String	5 1/2"	17#	0	8074
Liner				

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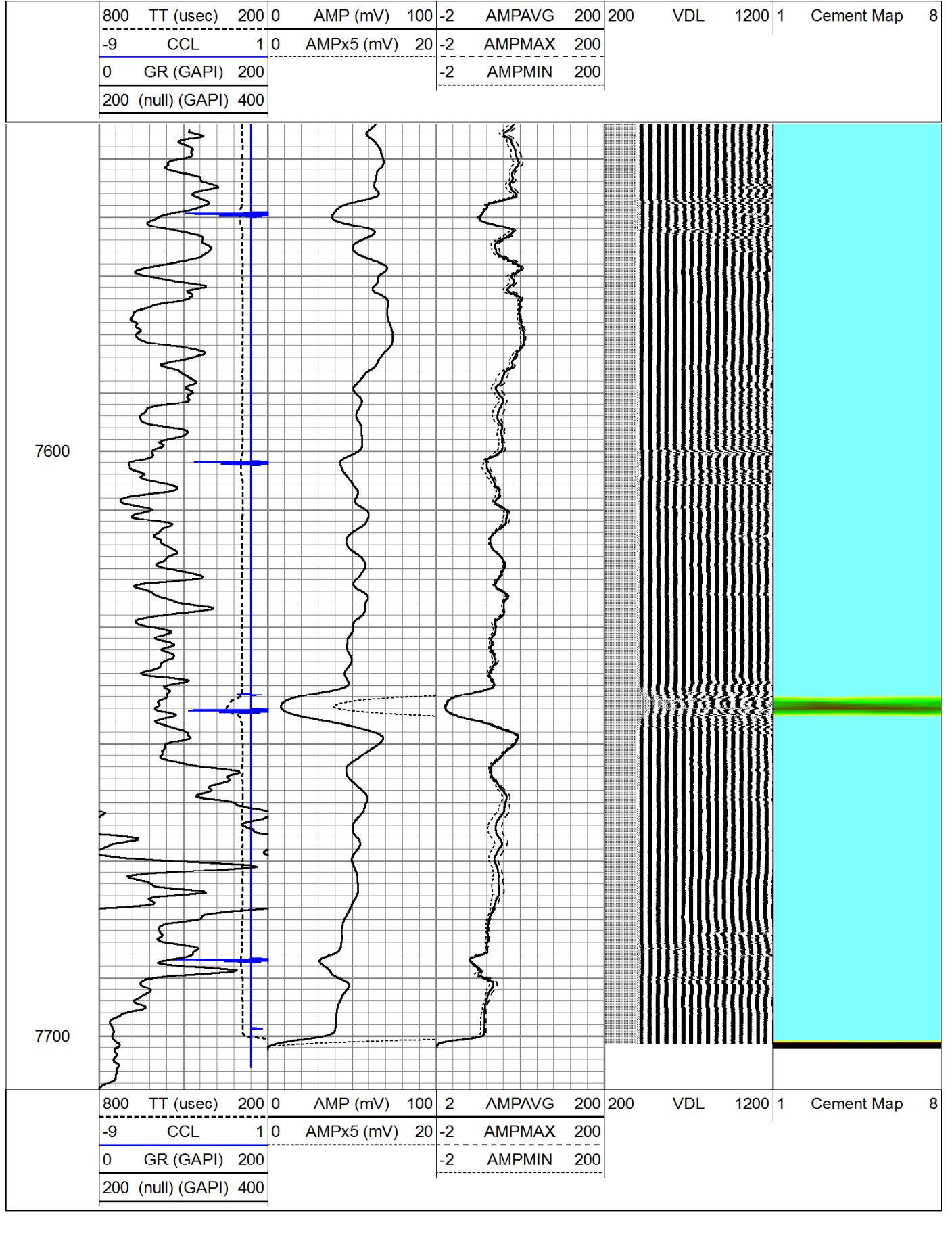
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Database File: poss.db
Dataset Pathname: A11S/run1/pass3
Presentation Format: scbl02
Dataset Creation: Tue May 08 13:26:30 2018 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240

Database File: poss.db
Dataset Pathname: A11S/run1/pass2
Presentation Format: scbl02
Dataset Creation: Tue May 08 13:21:31 2018 by Log Std Casedhole 10071
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: poss.db
Dataset Pathname: A11S/run1/pass2
Dataset Creation: Tue May 08 13:21:31 2018 by Log Std Casedhole 10071

Gamma Ray Calibration Report

Serial Number:	061120GR	
Tool Model:	PROBE	
Performed:	Wed Apr 04 09:11:22 2018	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.9000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	4.5040904	
Tool Model:	Probe	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	207.333	ft

Master Calibration, performed Tue May 08 12:17:58 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.021	2.282	0.250	71.921	31.700	-0.416
CAL	2.500	2.344				
5'	0.017	2.053	0.250	71.921	35.203	-0.340
SUM						
S1	0.014	2.317	0.250	100.000	43.313	-0.377
S2	0.018	2.304	0.250	100.000	43.638	-0.520
S3	0.026	2.286	0.250	100.000	44.121	-0.882
S4	0.031	2.270	0.250	100.000	44.552	-1.117
S5	0.029	2.255	0.250	100.000	44.805	-1.035
S6	0.029	2.258	0.250	100.000	44.745	-1.028
S7	0.033	2.265	0.250	100.000	44.702	-1.242
S8	0.028	2.288	0.250	100.000	44.141	-0.979

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	2.500	2.344	1.000	0.000

Air Zero Calibration, performed Tue May 08 12:17:26 2018:

	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