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Radial Cement Bond Log With VDL / CCL / GR And Cement Map

Company	Extraction Oil & Gas
Well	13NB-31W
Field	Wattenberg
County	Weld
State	Colorado

Company Extraction Oil & Gas
Well 13NB-31W
Field Wattenberg
County Weld State Colorado

Location: API # : 05-123-38924
703' FSL & 225' FEL
SEC 13 TWP 6N RGE 67W

Other Services
None

Permanent Datum	Ground Level	Elevation 4826'	Elevation K.B. 4848' D.F. 4847' G.L. 4826'
Log Measured From	Kelly Bushing		
Drilling Measured From	KB = 22'		

Date	16 June 2014
Run Number	One
Depth Driller	11681'
Depth Logger	7300'
Bottom Logged Interval	7295'
Top Log Interval	Surface
Open Hole Size	12.25"
Type Fluid	Water
Density / Viscosity	~8.34 #/Gal
Max. Recorded Temp.	N/A
Estimated Cement Top	See Log
Time Well Ready	11:30
Time Logger on Bottom	12:40
Equipment Number	P-96
Location	Fort Morgan
Recorded By	L. Mavros
Witnessed By	P. Mullins

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	Surface	700'
Prot. String				
Production String	7"	26	Surface	7299'
Liner	4.5	13.5	6552'	11681'

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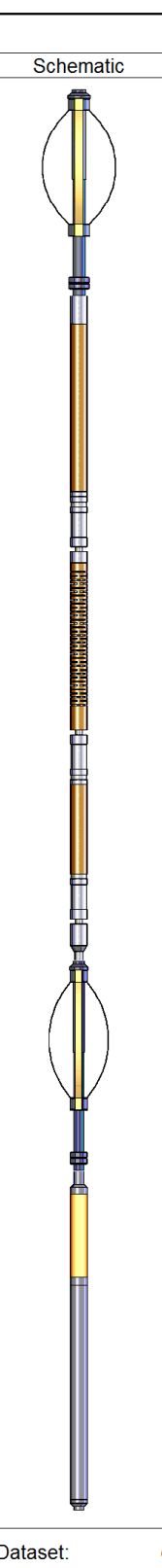
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

No Other Log for correlation



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CSS_MID	2.79	3.00	36.00
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 11.71 10.63	RBT-Probe (130433) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
		PTS275	2.83	2.75	
CCL GR	3.63 2.30	GR_CCL-Probe (111211) Probe Gamma CCL	4.54	2.75	100.00

Dataset: extraction_13nb-31w_rcbl1.db: field/well/run1/pass5
Total Length: 19.08 ft
Total Weight: 226.00 lb
O.D. 3.00 in

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MAIN LOG PASS

5" = 100'

Database File: extraction_13nb-31w_rcbl1.db
Dataset Pathname: pass5
Presentation Format: scbl02
Dataset Creation: Mon Jun 16 12:40:23 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: extraction_13nb-31w_rcbl1.db
Dataset Pathname: pass5
Dataset Creation: Mon Jun 16 12:40:23 2014 by Log SCH 120430

Gamma Ray Calibration Report

Serial Number:	111211	
Tool Model:	Probe	
Performed:	Mon May 19 14:35:03 2014	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	130433	
Tool Model:	Probe	
Calibration Casing Diameter:	7.000	in
Calibration Depth:	188.608	ft

Master Calibration, performed Mon Jun 16 09:45:19 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.016	2.270	1.000	62.165	27.128	0.577
CAL	0.015	0.483				
5'	0.015	2.372	1.000	62.165	25.948	0.619
SUM						
S1	0.015	2.275	0.000	100.000	44.238	-0.655
S2	0.015	2.314	0.000	100.000	43.493	-0.658
S3	0.015	2.297	0.000	100.000	43.818	-0.662
S4	0.015	2.271	0.000	100.000	44.325	-0.656
S5	0.015	2.241	0.000	100.000	44.919	-0.662
S6	0.015	2.219	0.000	100.000	45.361	-0.670
S7	0.015	2.229	0.000	100.000	45.168	-0.688
S8	0.015	2.268	0.000	100.000	44.394	-0.671

Internal Reference Calibration, performed Wed Dec 31 18:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.015	0.483	1.000	0.000

Air Zero Calibration, performed Mon Jun 16 09:28:06 2014:

	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

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