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

Company	Biill Barrett Corporation
Well	State Of Colorado 1S-66-36-1609BH
Field	Third Creek
County	Adams
State	Colorado

Company Biill Barrett Corporation
Well State Of Colorado 1S-66-36-1609BH
Field Third Creek
County Adams State Colorado
Location: API # : 05-001-09781
1298' FNL & 299' FWL
SEC 36 TWP 1S RGE 66W
Other Services: None

Permanent Datum Ground Level Elevation 5180'
Log Measured From Kelly Bushing
Drilling Measured From KB = 23'
Elevation: K.B. 5203' D.F. 5202' G.L. 5180'

Date	6 MAY 2014
Run Number	One
Depth Driller	12118'
Depth Logger	7057'
Bottom Logged Interval	7055'
Top Log Interval	Surface
Open Hole Size	24"
Type Fluid	Water
Density / Viscosity	~8.34 #/Gal
Max. Recorded Temp.	184.2 DegF
Estimated Cement Top	See Log
Time Well Ready	14:00
Time Logger on Bottom	15:00
Equipment Number	P-59
Location	Fort Morgan
Recorded By	L. Mavros
Witnessed By	B. Kellsch

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36	Surface	1490'
Prot. String				
Production String	7"	26	Surface	7900'
Liner	4.5"	11.6	7200'	12118'

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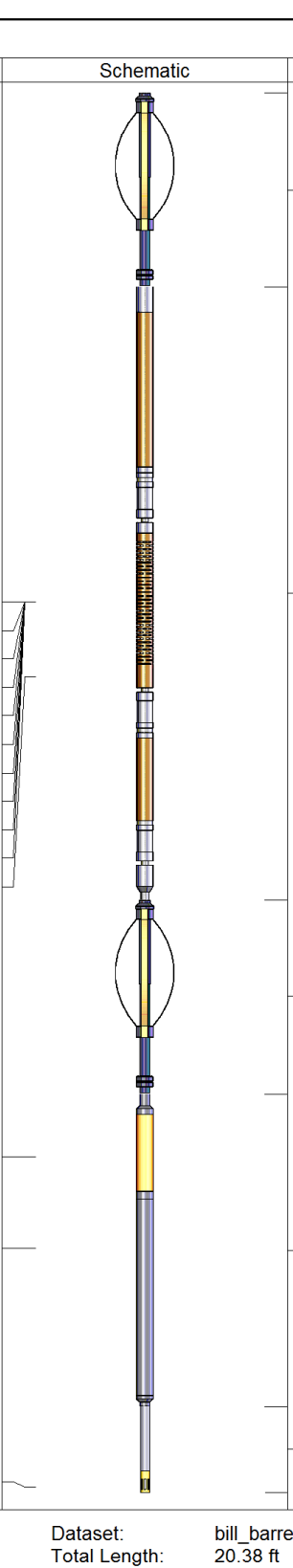
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		PTS275	2.83	2.75	
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	12.96 12.96 12.96 12.96 12.96 12.96 12.96 12.96 12.96 12.96 11.88	RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
		PTS275	2.83	2.75	
CCL GR	4.88 3.55	GR_CCL-Probe (111211) Probe Gamma CCL	4.54	2.75	100.00
TEMP	0.08	TEMP-1.375TEMP (0001) Temperature Tool	1.25	1.38	30.00

Dataset: bill_barrett_1s-66-36-1609-bh.db: field/well/run1/pass2
Total Length: 20.38 ft
Total Weight: 220.00 lb
O.D. 2.75 in

Calibration Report

Database File: bill_barrett_1s-66-36-1609-bh.db
Dataset Pathname: pass2
Dataset Creation: Tue May 06 14:54:44 2014 by Log 7.0 B1

Temperature Calibration Report

Serial Number: 0001
Tool Model: 1.375TEMP
Performed: Tue May 06 14:01:15 2014

	Reference	Reading
Low Reference:	32.00 degF	320.00 cps
High Reference:	500.00 degF	5000.00cps

Gain: 0.09
Offset: 0.00
Delta Spacing 2

Gamma Ray Calibration Report

Serial Number: 111211
Tool Model: Probe
Performed: Fri Nov 08 12:58:35 2013

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: Base
Tool Model: Probe

Calibration Casing Diameter: 5.500 in
Calibration Depth: 396.983 ft

Master Calibration, performed Tue May 06 14:13:42 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	1.876	2.000	81.000	42.296	1.672
CAL	0.739	0.422				
5'	0.007	2.092	2.000	81.000	37.886	1.741
SUM						
S1	0.007	1.848	0.000	95.000	51.603	-0.377
S2	0.005	1.885	0.000	95.000	50.526	-0.244
S3	0.008	1.876	0.000	95.000	50.851	-0.392
S4	0.006	1.872	0.000	95.000	50.903	-0.313
S5	0.008	1.866	0.000	95.000	51.142	-0.434
S6	0.008	1.866	0.000	95.000	51.123	-0.398
S7	0.007	1.858	0.000	95.000	51.309	-0.348
S8	0.007	1.866	0.000	95.000	51.097	-0.365

Internal Reference Calibration, performed Wed Aug 21 11:08:58 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.739	0.422	1.000	0.000

Air Zero Calibration, performed Tue May 06 14:04:11 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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MAIN LOG PASS

5" = 100'

Database File: bill_barrett_1s-66-36-1609-bh.db
Dataset Pathname: pass2.1
Presentation Format: scbl02
Dataset Creation: Wed May 07 12:37:11 2014 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240

9 CCL -1
0 GR (GAPI) 200
TT3FT
360 (usec) 260
45 TEMP (degF) 250
TEMP (degF)
0 AMP (mV) 100
0 AMPx5 (mV) 20
0 LTEN (lb) 1500
0 AMPAVG 150
0 AMPMAX 150
0 AMPMIN 150
200 VDL 1200
1 SECTOR MAP 8
20 95

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Field Third Creek
County Adams
State Colorado