FTS INTERNATIONAL

CEMENT BOND GAMMA RAY COLLAR LOG

Company	Bayswater Exploration and Production LLC
Well	Hester Farms K-36HC
Field	Wattenburg
County	Weld
State	CO

Company Bayswater Exploration and Production LLC
Well Hester Farms K-36HC
Field Wattenburg
County Weld State CO
Location: API #: 05-123-41995
1739' F.N.L
202' F.W.L
SEC 31 TWP 7N RGE 66W

Other Services
NONE

Permanent Datum
Log Measured From K.B. 23' A.G.L
Drilling Measured From K.B.
Elevation

Elevation
K.B. 4936'
D.F.
G.L. 4913'

Date	2/3/2016
Run Number	1
Depth Driller	12106'
Depth Logger	7661'
Bottom Logged Interval	7661'
Top Log Interval	0'
Open Hole Size	7 7/8"
Type Fluid	Water
Density / Viscosity	--
Max. Recorded Temp.	--
Estimated Cement Top	--
Time Well Ready	ROA
Time Logger on Bottom	1700
Equipment Number	2405
Location	Brighton
Recorded By	C. Sisneros
Witnessed By	Nate Moore

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	5.5"		0	12106'
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

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Main Pass

Database File: hesterfarmsk36hc.db
Dataset Pathname: pass1.1
Presentation Format: scbl_dr
Dataset Creation: Wed Feb 03 18:34:03 2016 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1	0	Amplitude (mV)	100
0	Gamma Ray (GAPI)	250	200	VDL	1200
0	Line Speed (ft/min)	100			

Calibration Report

Database File:	hesterfarmsk36hc.db
Dataset Pathname:	pass1
Dataset Creation:	Wed Feb 03 17:04:31 2016 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: Probe275dig / pr051112

SHOP CALIBRATION Mon Feb 01 13:15:14 2016

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps

Background	0.0		cps
Calibrator	1.0		cps
		1.0000	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:	4.5040904	
Tool Model:	Probe	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	7001.025	ft

Master Calibration, performed Mon Feb 01 14:18:40 2016:

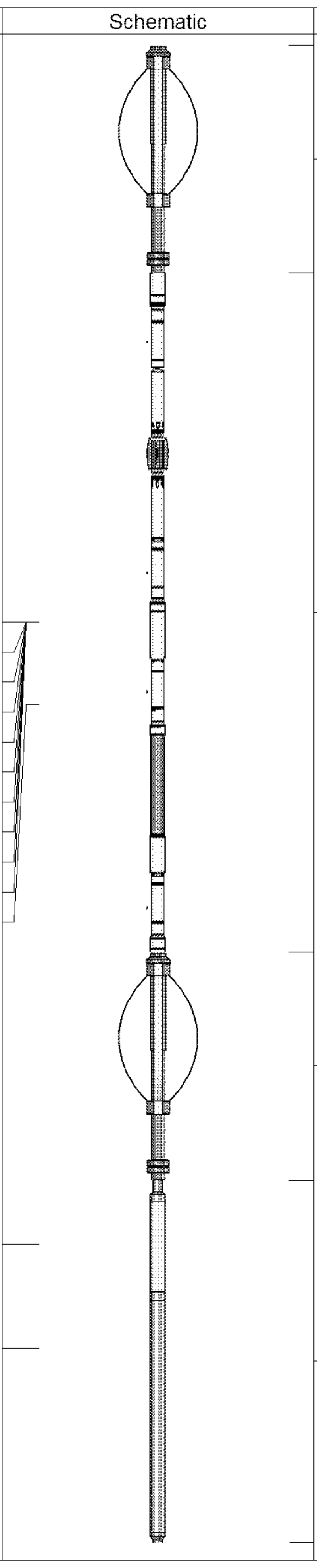
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.003	1.400	1.000	71.921	50.562	1.134
CAL	0.000	2.060				
5'	0.000	1.807	1.000	71.921	39.248	1.000
SUM						
S1	0.000	2.499	0.000	71.000	28.414	0.000
S2	0.000	2.499	0.000	71.000	28.414	0.000
S3	0.000	2.499	0.000	71.000	28.414	0.000
S4	0.000	2.499	0.000	71.000	28.414	0.000
S5	0.000	2.499	0.000	71.000	28.414	0.000
S6	0.000	2.499	0.000	71.000	28.414	0.000
S7	0.000	2.499	0.000	71.000	28.414	0.000
S8	0.000	2.499	0.000	71.000	28.414	0.000

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	0.000	2.060	1.000	0.000

Air Zero Calibration, performed Fri Feb 13 07:12:51 2015:

	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)
			CENT-Probe (Probe1) PROBE 2.75 CENT	3.00	2.75	25.00
WVF3FT WVFCAL WVFS1 WVFS2 WVFS3 WVFS4 WVFS5 WVFS6 WVFS7 WVFS8 WVF5FT	12.08 12.08 12.08 12.08 12.08 12.08 12.08 12.08 12.08 12.08 11.00		RBT-Probe (4.5040904) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
			CENT-Probe (Probe2) PROBE 2.75 CENT	3.00	2.75	25.00
CCL GR	3.92 2.54		GR-Probe275dig (pr051112) Probe Digital Gamma CCL	4.75	2.75	57.00

Dataset:	hesterfarmsk36hc.db: field/well/run1/pass1
Total Length:	19.67 ft
Total Weight:	197.00 lb
O.D.	2.75 in