SUPERIOR WELL SERVICES

CEMENT BOND LOG
GAMMA RAY C C L
V D L

Company	Matrix Energy, LLC
Well	MATRIX 24-29-17
Field	Wattenberg
County	Weld
State	Colorado

Company Matrix Energy, LLC
Well MATRIX 24-29-17
Field Wattenberg
County Weld State Colorado

Location: API #: 05123338240000
SHL: 490' FSL & 2170' FWL SE SW
BHL: 1369' FSL & 1344' FWL NE SW
SEC 29 TWP 6N RGE 65W

Other Services

Permanent Datum	GL	Elevation 4706	Elevation K.B. 4722 D.F. 4721 G.L. 4706
Log Measured From	KB 16'		
Drilling Measured From	KB		

Date	August 23, 2011	
Run Number	One	
Depth Driller	7480	
Depth Logger	7346	
Bottom Logged Interval	7345	
Top Log Interval	290	
Casing Size	4 1/2"	
Type Fluid	Water	
Max. Recorded Temp.	239 deg F	
Estimated Cement Top	620 est.	
Time Well Ready	Crane	
Time Logger On Bottom	AM	
Unit Number	3344	
Tool Size / ID Number	2.75 Tekco CBL	2.75 Tekco GR-CCL
Location	Platteville, CO	
Recorded By	K. Monaghan	
Witnessed By	R. Ohlemeier	

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				
Liner				

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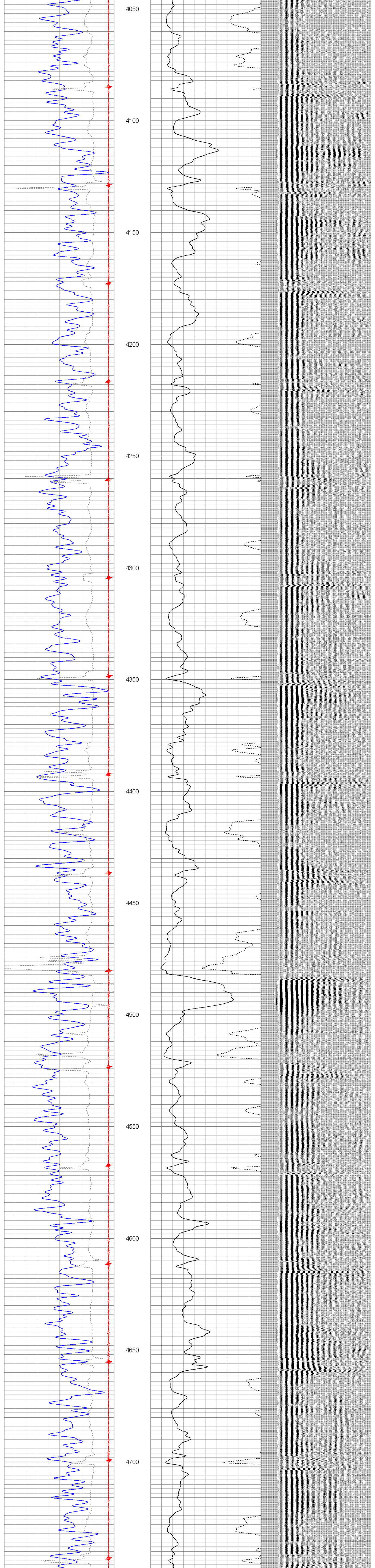
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Thank You For Choosing Superior Well Services!!!
API# 05-123-33824-0000
Correlated to PSI's
Compensated Density / Compensated Neutron / Gamma Ray
Dated: August 11, 2011
Directions: Ost and 39.5, N 300', W Into
(North Eastern Most Well of 3 Well Pad, N of Matrix 23-29)

Database File:	cblmatrix 24-29-17.db
Dataset Pathname:	pass3.3
Presentation Format:	nuexbond
Dataset Creation:	Tue Aug 23 07:48:19 2011 by Calc SCH 110418
Charted by:	Depth in Feet scaled 1:240

30	Gamma Ray (GAPI)	130
40	CCL	-2
340	TT3 (usec)	240
0	Amplified Amplitude (mV)	20
0	Amplitude (mV)	100
200	VDL	1200



Database File: cblmatrix 24-29-17.db
Dataset Pathname: pass2
Presentation Format: nuexbond
Dataset Creation: Tue Aug 23 06:44:25 2011 by Log SCH 110418
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: cblmatrix 24-29-17.db
Dataset Pathname: pass1
Dataset Creation: Tue Aug 23 06:41:56 2011 by Log SCH 110418

Gamma Ray Calibration Report

Serial Number:	234GR-328	
Tool Model:	TekcoGR	
Performed:	Tue Aug 16 10:05:37 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8500	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	234B35C-8013	
Tool Model:	TEKCO	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	340.500	ft

Master Calibration, performed Tue Aug 23 06:22:28 2011:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.010	2.500	0.900	81.196	31.994	1.210
CAL	-0.012	0.749				
5'	-0.009	2.231	0.900	81.196	35.852	1.212
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed Tue Aug 23 06:23:34 2011:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	-0.013	0.694	-0.012	0.749	1.077	0.002

Air Zero Calibration, performed Tue Aug 23 06:16:08 2011:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1			
S2			
S3			
S4			
S5			
S6			
S7			
S8			