



**MIDWEST SURVEYS**  
 LOGGING - PERFORATING - CONSULTING SERVICES  
 P.O. Box 68, Osawatomie, KS 66064  
 913 / 755 - 2128

**GAMMA RAY / NEUTRON / CCL**

File No. \_\_\_\_\_

Company **Altavista Energy, Inc.**

Well **Knoche No. AI-2**

Field **Block**

County **Miami** State **Kansas**

Location **1325' FSL & 3215' FEL**

Other Services **Perforate**

Sec. **16** Twp. **18S** Rge. **24E**

Permanent Datum **GL** Elevation **977'**

Log Measured From **GL**

Drilling Measured From **GL**

Date **02-01-2016**

Run Number **One**

Depth Driller **640.0**

Depth Logger **602.0**

Bottom Logged Interval **601.0**

Top Log Interval **20.0**

Fluid Level **Full**

Type Fluid **Water**

Density / Viscosity **NA**

Salinity - PPM Cl **NA**

Max Recorded Temp **NA**

Estimated Cement Top **0.0**

Equipment No. **102** Location **Osawatomie**

Recorded By **Gary Windisch**

Witnessed By **Doug Evans**

BORE-HOLE RECORD			
RUN	BIT	FROM	TO
One	9.875"	0.0	23.0
Two	5.625"	23.0	640.0

CASING RECORD			
	SIZE	WGT.	FROM
	7.00"	17.0#	0.0
	2.875"	6.5#	0.0
		Set	At

TO **23.0**

TO **635.40**

TO **603.25**

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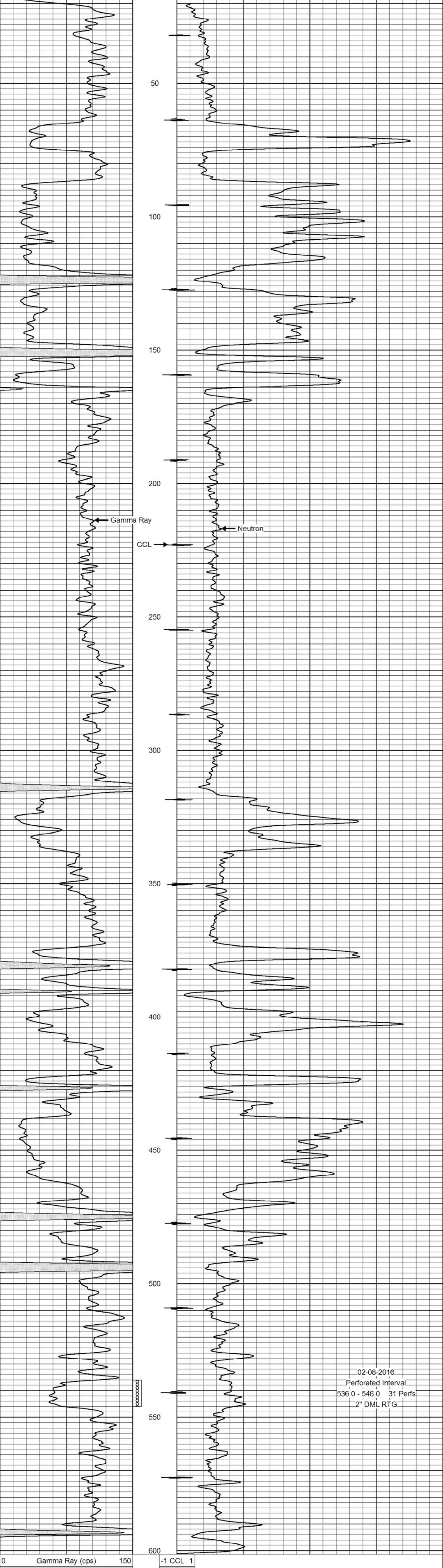
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Drilling Contractor :  
 Town Oilfield Services, Inc.

Database File: knoche 2ai.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Mon Feb 01 14:12:31 2016 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (cps)	150	-1 CCL 1	100	Neutron (cps)	1900
150	Gamma Ray (cps)	300				



02-08-2016  
 Perforated Interval  
 536.0 - 546.0 31 Perfs  
 2" DML RTG

0	Gamma Ray (cps)	150	-1 CCL 1	100	Neutron (cps)	1900
150	Gamma Ray (cps)	300				