



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

**GAMMA RAY / NEUTRON / CCL**

File No.

Company **Black - Travis, Inc.**

Well **Travis No. KR-31**

Field **Paola - Rantoul**

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

Location **1485 FSL & 3135 FEL**

**SE-SE:NE-SW**

Other Services  
Perforate

Sec 10 Twp 17S Rge 22E  
 Permanent Datum GL Elevation 969'  
 Log Measured From GL  
 Drilling Measured From GL

Date 11-05-2014

Run Number One

Depth Driller 672.0

Depth Logger 630.3

Bottom Logged Interval 629.3

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. Location 107 Osawatomie  
 Recorded By Steve Winkisch  
 Witnessed By Brad Kerner

BORE-HOLE RECORD

Run No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	9.875"	0.0	22.4	7.00"	14.0 #	0.0	22.40
Two	5.875"	22.4	672.0	2.875"	6.5 #	0.0	660.90

CASING RECORD

Run No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	9.875"	0.0	22.4	7.00"	14.0 #	0.0	22.40
Two	5.875"	22.4	672.0	2.875"	6.5 #	0.0	660.90

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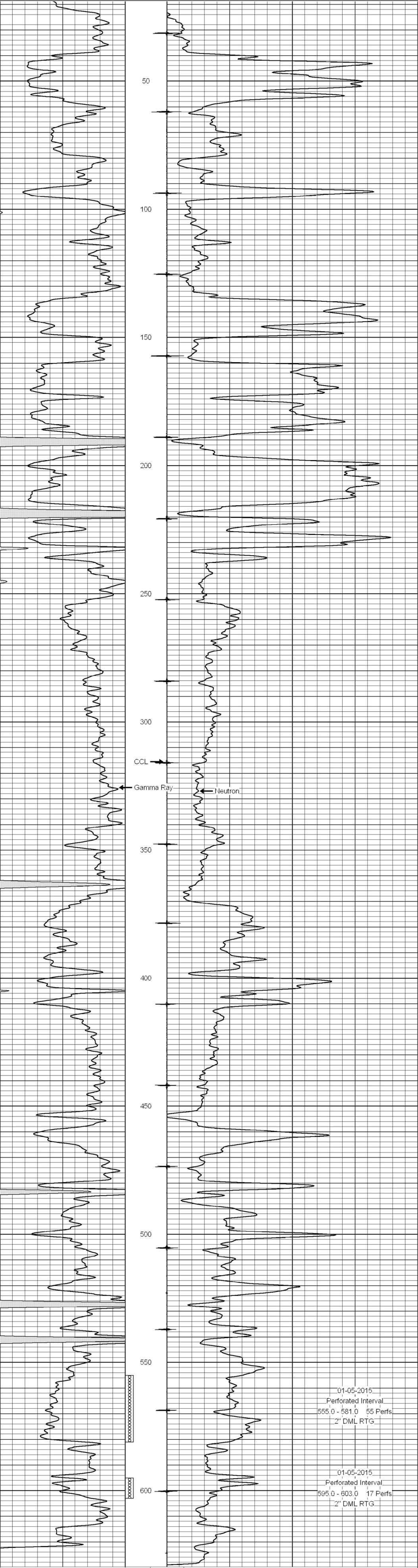
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Database File: travis 31kr.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Wed Nov 05 16:33:45 2014 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (cps)	150	-1 CCL 1	10	Neutron (cps)	2100
150	Gamma Ray (cps)	300				



01-05-2015  
Perforated Interval  
555.0 - 581.0 55 Perfs  
2" DML RTG

01-05-2015  
Perforated Interval  
595.0 - 603.0 17 Perfs  
2" DML RTG

0	Gamma Ray (cps)	150	-1 CCL 1	10	Neutron (cps)	2100
150	Gamma Ray (cps)	300				