



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

GAMMA RAY / NEUTRON / CCL

File No. Company **Bobcat Oilfield Services, Inc.**
 Well **Spindle No. 1-18**
 Field **Paola / Rantoul**
 County **Miami** State **Kansas**

Location **651' FSL & 3080' FEL**
NW-SE-SE-NW

Other Services **Perforate**

Sec. 18 Twp. 17S Rge. 24E
 Permanent Datum **GL** Elevation **1004'**
 Log Measured From **GL**
 Drilling Measured From **GL**
 Elevation **K.B. NA**
D.F. NA
GL. 1004'

Date **12-24-2018**

Run Number	One
Depth Driller	411.0
Depth Logger	406.0
Bottom Logged Interval	405.0
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.	104
Location	Osawatomie
Recorded By	Gary Winkisch
Witnessed By	Rob Eberhart

BORE-HOLE RECORD				CASING RECORD			
NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	8.75"	0.0	20.0	6.00"	15.0	0.0	20.0
Two	5.625"	20.0	411.0	2.875"	6.5	0.0	406.0

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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 :
 Dale Jackson Production, Co.

Database File: spindle 1-18.db
 Dataset Pathname: pass1
 Presentation Format: gr-n-ccl
 Dataset Creation: Mon Dec 24 09:49:58 2018 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240

