MIDWEST SURVEYS
LOGGING & PERFORATING SERVICES
P.O. Box 92, Chanute, Kansas 66335
913 748 - 3768

API# 15-207-29,358

File No.

Company	Lakeshore Operating, LLC		
Well	Sturdivan "3" No. LOI- 6		
Field	Vernon		
County	Woodson	State	Kansas
Location	397'E FSL & 437'E FEL SW-SE-NW-NW		
Sec. 34	Twp. 23S	Rge. 16E	
Elev.: K.B. 0 ft.	D.F. 0 ft.	G.L. 1078'	

Date	09-07-2016	Depth Driller	1050
Depth Logged	1049.5	Depth Logged	1049.5
Depth Scale	1" = 50'	Depth Scale	1" = 50'
Depth Control	GR - CCL	Depth Control	GR - CCL
Depth Measured From	KB	Depth Measured From	KB
Drilling Measured From	GL	Drilling Measured From	GL
Run Number	ONE	Run Number	
Depth Logged	1049.5	Depth Logged	
Depth Driller	1050	Depth Driller	
Casing Driller	20 @ 21	Casing Driller	
Casing Logged	21	Casing Logged	
Top of Fluid	Water	Top of Fluid	
Salinity	2000 PPM	Salinity	
Fluid Level	Full	Fluid Level	
Max. Rec. Temp.	75 F	Max. Rec. Temp.	
Equipment Number	3-GAMMA	Equipment Number	
Recorded By	Jackman	Recorded By	
Witnessed By	Owner Operator	Witnessed By	

Run	Bit	Type Fluid	Density	Viscosity	pH	Fluid Loss	Source	Rm	Rmf	Rmc	Max. Rec. Temp.	Equipment	Location
ONE	6 3/4"	Water	8.4	28	7.0	10.0	Flow	0.0	0.0	0.0	75 F	3-GAMMA	Jackman

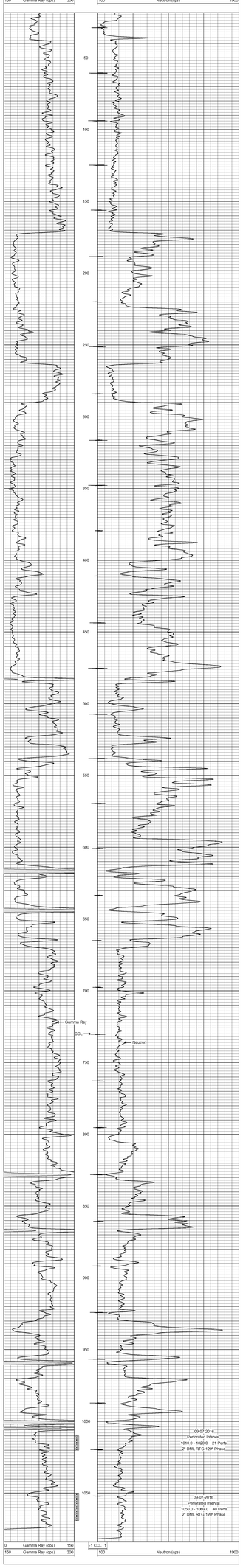
Run	Time Circ.	Time Logger on Bottom	Max. Recorded Temp.	Estimated Cement Top	Cement Bond Log	Witnessed By
ONE	0:00	0:00	75 F	Surface	No	Owner Operator

Run	Casing Driller	Casing Logged	Bit	Top Log Interval	Bottom Log Interval	Type Log	Log Speed	Log Date	Log Time
ONE	20 @ 21	21	6 3/4"	0	1049.5	GR - CCL	30	09-07-2016	0:00

Run	Recorded By	Witnessed By	Equipment Number	Location	Equipment Status
ONE	Jackman	Owner Operator	3-GAMMA	Jackman	Normal

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 :
Jackman Oilfield Services

Database File: sturdivan3-6-loi.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Tue Aug 16 14:47:32 2016 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240