MIDWEST SURVEYS

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

GAMMA RAY / NEUTRON / CCL

File No.

Permit # 037-21,232

Company SCZ Resources, LLC
Well Lauerman No.- 19
Field Knoche
County Cass State Missouri

Location
165' FSL & 825' FWL
SW-SE-SW-SW
Sec. 9 Twp. 46n Rge. 33w

Other Services
Perforate

Elevation
K.B. NA
D.F. NA
G.L.

Permanent Datum	GL	Elevation
Log Measured From	GL	
Drilling Measured From	GL	

Date	07-26-2013					
Run Number	One					
Depth Driller	660.0					
Depth Logger	625.0					
Bottom Logged Interval	624.0					
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. Location	107 Osawatomie					
Recorded By	Steve Vandrisch					
Witnessed By	Scott Biel					

RUN	BORE-HOLE RECORD			CASING RECORD			
No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	9.875"	0.0	20.0	7.00"	15.0#	0.0	20.0
Two	5.625"	20.0	660.0	2.875"	6.5 #	0.0	630.0

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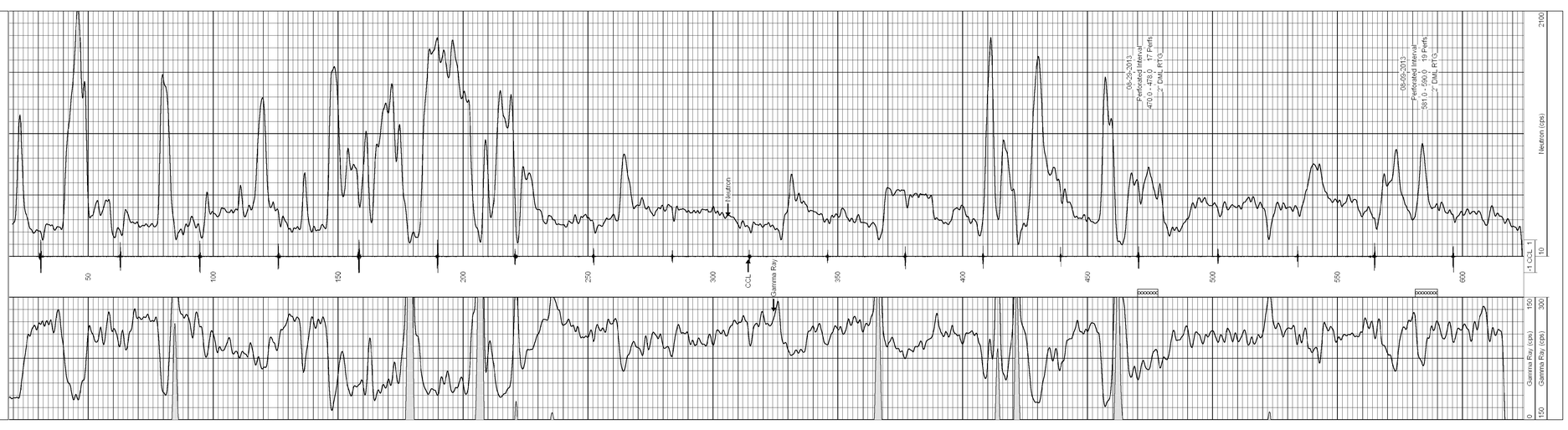
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

Comments:

Drilling Contractor :
JTC Oil, Inc.

Database File: lauerman19.db
Dataset Pathname: lauerman
Presentation Format: gr-n-ccl
Dataset Creation: Fri Jul 26 09:23:40 2013 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240