MIDWEST SURVEYS

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

GAMMA RAY / NEUTRON / CCL

File No.

API # 15-031-23,991

Company: Birk Petroleum
Well: Sutherland No.- 27
Field: Crandall North
County: Coffey State: Kansas

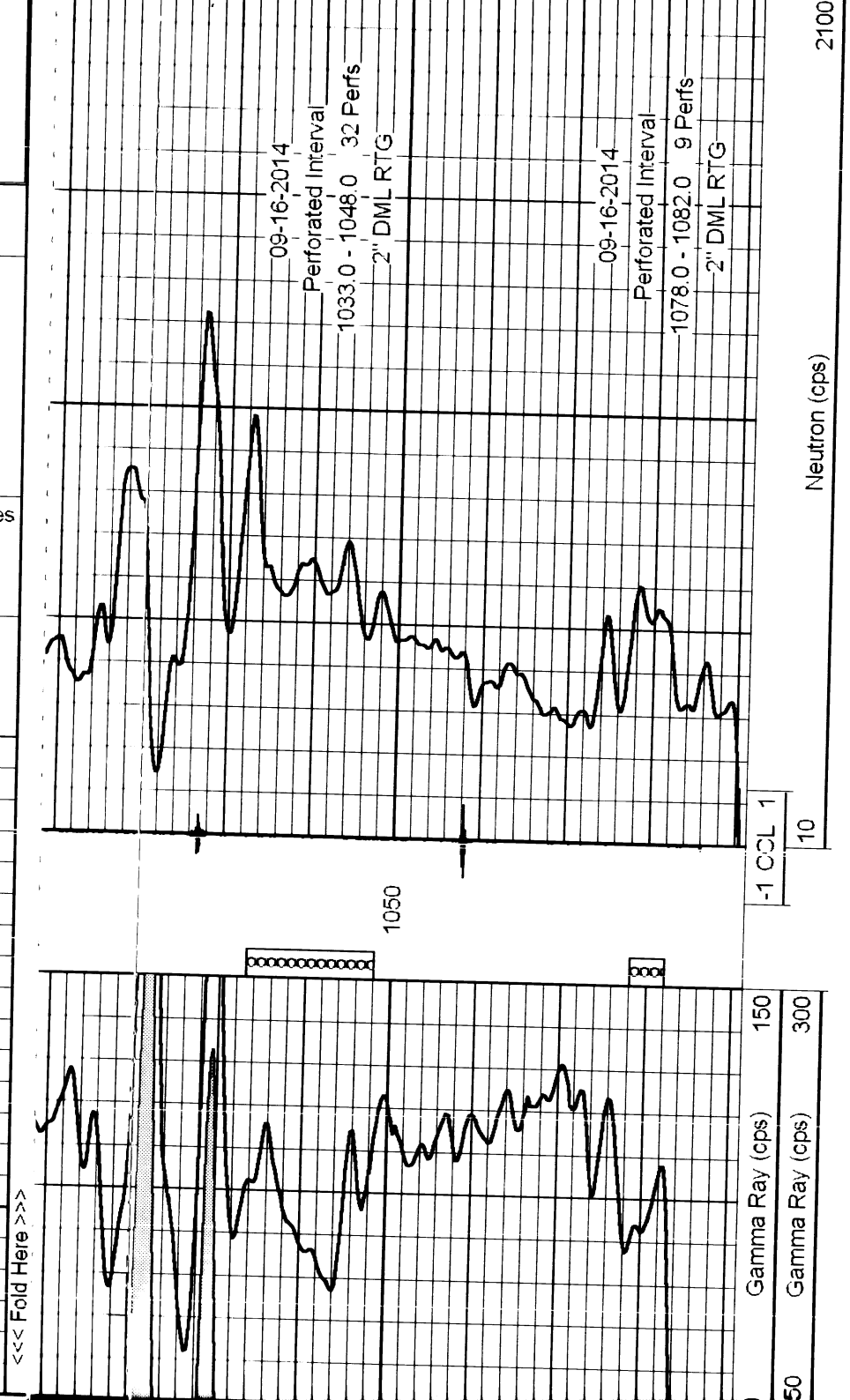
Location: 990' FSL & 4785' FEL
E/2-NW-SW-SW

Sec. 31 Twp. 22s Rge. 16e

Permanent Datum GL Elevation 1009'
Log Measured From GL
Drilling Measured From GL

Other Services: Perforate

Elevation: K.B. NA, D.F. NA, G.L. 1009'

Date	09-10-2014		
Run Number	One		
Depth Driller	1156.0		
Depth Logger	1091.0		
Bottom Logged Interval	1090.0		
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 Windisch		
Witnessed By	Ed Birk		

RUN	BORE-HOLE RECORD			CASING RECORD			
No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	9.875"	0.0	40.0	7.00"	17.0 #	0.0	40.0
Two	6.25"	40.0	1156.0	2.875"	6.5 #	0.0	1091.0