



# MIDWEST SURVEYS

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

## GAMMA RAY / NEUTRON / CCL

File No.

API # 15-107-24,074

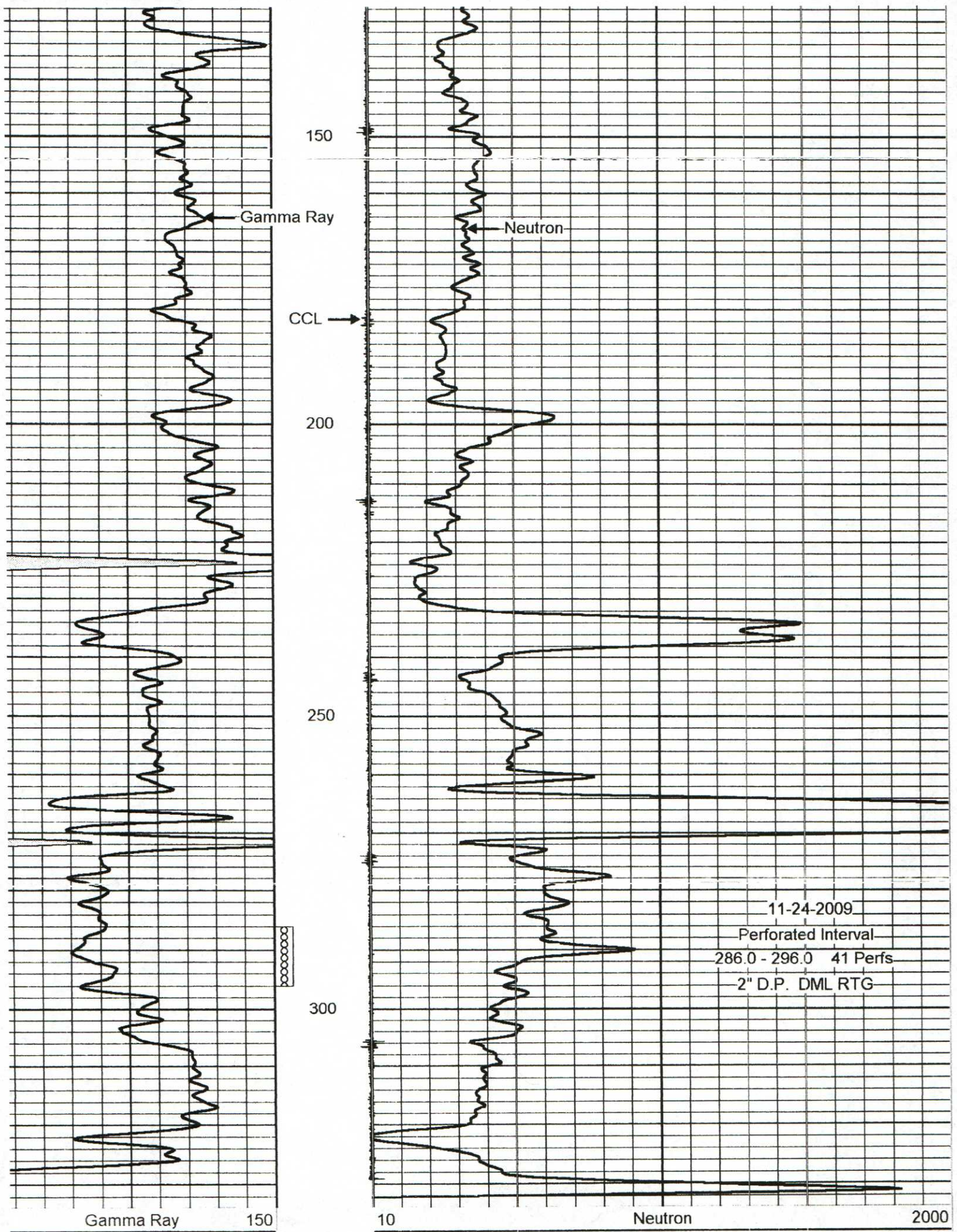
Company **Bobcat Oilfield Services, Inc.**  
Well **Snyder No. P-13**  
Field **LaCygne - Cadmus**  
County **Linn** State **Kansas**

Location		5188' FSL & 1980' FEL N/2-N/2-NW-NE		Other Services
Sec. 8	Twp. 20s	Rge. 23e		Perforate
Permanent Datum	GL	Elevation	NA	Elevation
Log Measured From	GL			K.B. NA
Drilling Measured From	GL			D.F. NA
				G.L. NA

Date	6-29-2009		
Run Number	One		
Depth Driller	341.0		
Depth Logger	334.0		
Bottom Logged Interval	332.0		
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	Bob Eberhart		

RUN	BORE-HOLE RECORD			CASING RECORD			
No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	8.75"	0.0	20.0	6.00"		0.0	20.0
Two	5.625"	20.0	341.0	2.875"	HY-Drill	0.0	335.0

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Gamma Ray

Neutron

CCL →

150

200

250

300

11-24-2009

Perforated Interval  
286.0 - 296.0 41 Perfs  
2" D.P. DML RTG

Gamma Ray 150

10 Neutron

2000