



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

**GAMMA RAY / NEUTRON / CCL**

API # 15-107-24,701

File No. Company Bobcat Oilfield Services, Inc.

Well Light No. A-5

Field LaCygne - Cadmas

County Linn State Kansas

Location 5115' FSL & 4125' FEL  
NE-NE-NW-NW

Sec. 8 Twp. 20S Rge. 23E  
Permanent Datum GL Elevation NA  
Log Measured From GL  
Drilling Measured From GL

Other Services Perforate  
Elevation  
K.B. NA  
D.F. NA  
G.L. NA

Date 07-26-2013

Run Number One

Depth Driller 330.0

Depth Logger 326.8

Bottom Logged Interval 325.8

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

BORE-HOLE RECORD				CASING RECORD			
Run	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	8.75"	0.0	20.0	6.25"	15.0 #	0.0	20.0
Two	5.625"	20.0	330.0	2.875"	6.5 #	0.0	328.0

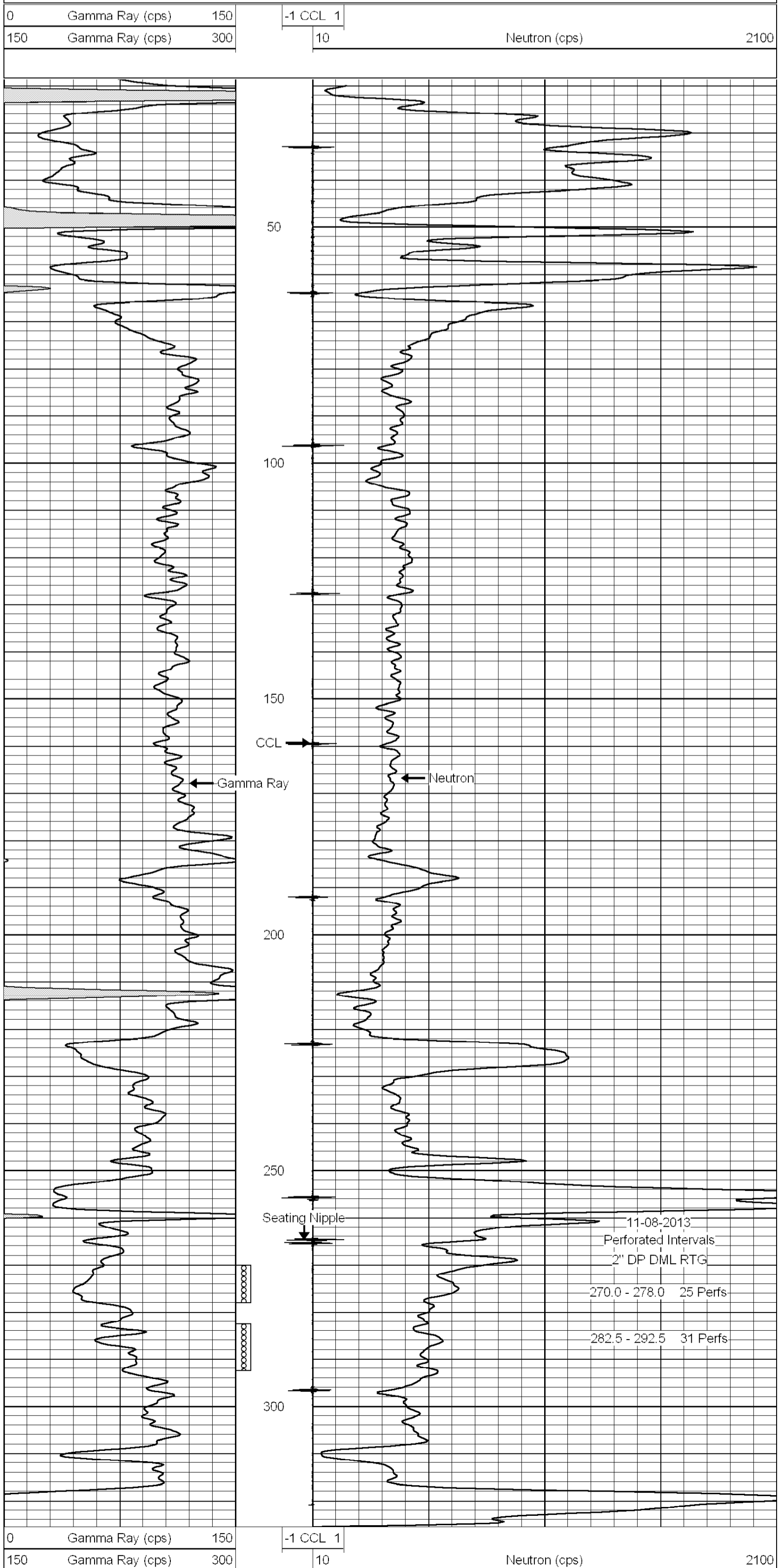
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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 Company

Database File: light5a.db  
 Dataset Pathname: pass1  
 Presentation Format: gr-n-ccl  
 Dataset Creation: Fri Jul 26 16:24:59 2013 by Log SCH 111116  
 Charted by: Depth in Feet scaled 1:240



11-08-2013  
 Perforated Intervals  
 2" DP DML RTG  
 270.0 - 278.0 25 Perfs  
 282.5 - 292.5 31 Perfs