MIDWEST SURVEYS

LOGGING - PERFORATING - CONSULTING SERVICES
P.O. Box 58, Osawatomie, KS 66064
913 / 755 - 2128

GAMMA RAY / NEUTRON / CCL

File No.

Company Osborn Energy, LLC

Well Osborn No. 45-16

Field

County Cass State Missouri

Location 2145' FNL & 330' FWL NW/4

Permit # 20,771

Other Services

Perforated

Sec. 16 Twp. 43n Rge. 33w

Permanent Datum GL Elevation NA

Log Measured From GL

Drilling Measured From GL

Date	12-19-2006		
Run Number	One		
Depth Driller	543.0		
Depth Logger	500.8		
Bottom Logged Interval	498.0		
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	104	Osawatomie	
Recorded By	Steve Wessch		
Witnessed By	Meredith Pearce		

RUN	BORE-HOLE RECORD				CASING RECORD			
No	BIT	FROM	TO	SIZE	WGT	FROM	TO	
One	9.875"	0.0	20.0	7.0"		0.0	20.0	
Two	6.25"	20.0	543.0	2.7/8"		0.0	500.0	

Elevation

KB NA
DF NA
GL NA

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 wilful 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 :
Osborn Energy LLC

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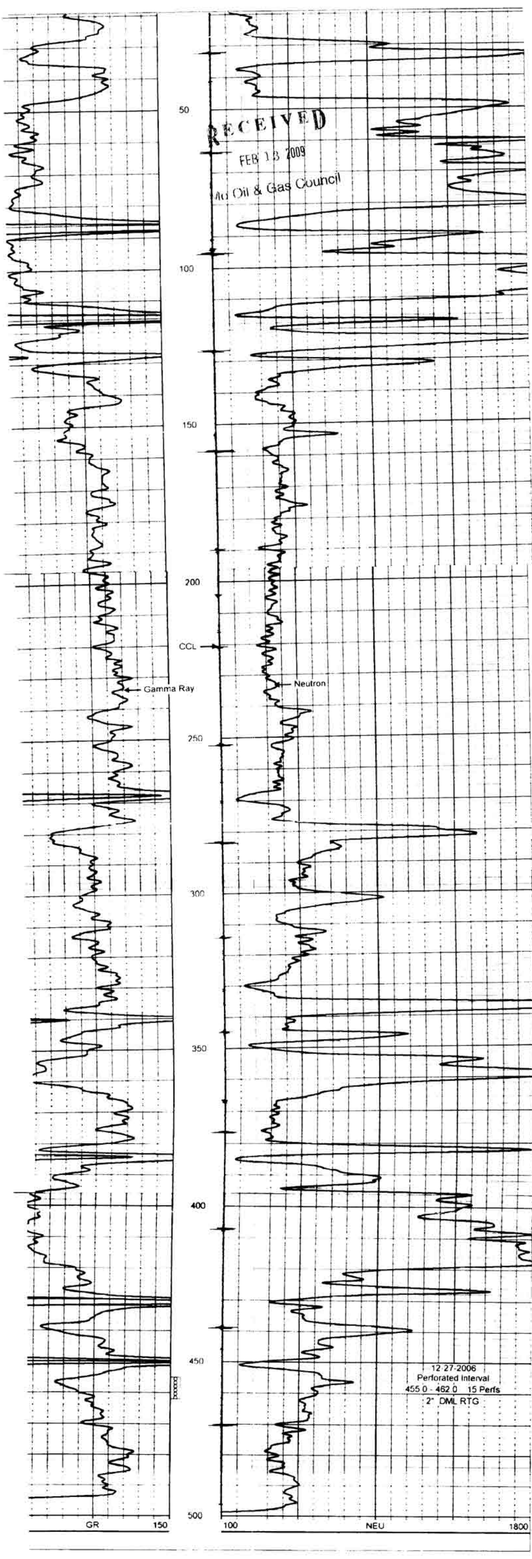
037-20771



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