#037-20784

MIDWEST SURVEYS

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

GAMMA RAY / NEUTRON / CCL

Permit # 20,784

File No.

Company Osborn Energy, LLC

Well Osborn No. 48-17

Field

County Cass State Missouri

Location

2145' FNL & 660' FEL
NE/4

Sec. 17 Twp. 43n Rge. 33w

Other Services

Perforate

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

Elevation

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

Date		6-05-2007					
Run Number		One					
Depth Driller		543.0					
Depth Logger		498.7					
Bottom Logged Interval		496.7					
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	104	Osawatomie				
Recorded By		Steve Windisch					
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	500.37

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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.

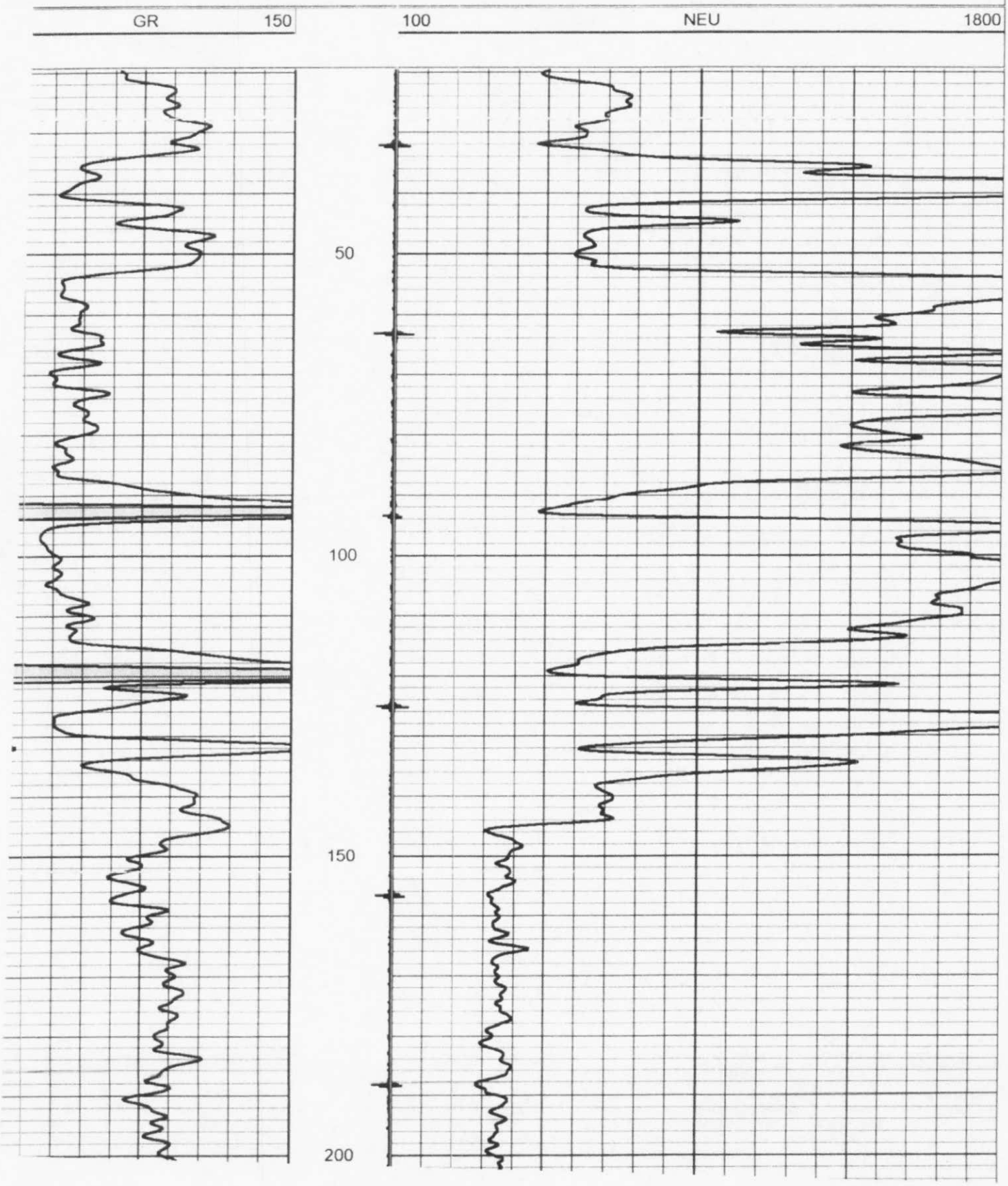
Comments

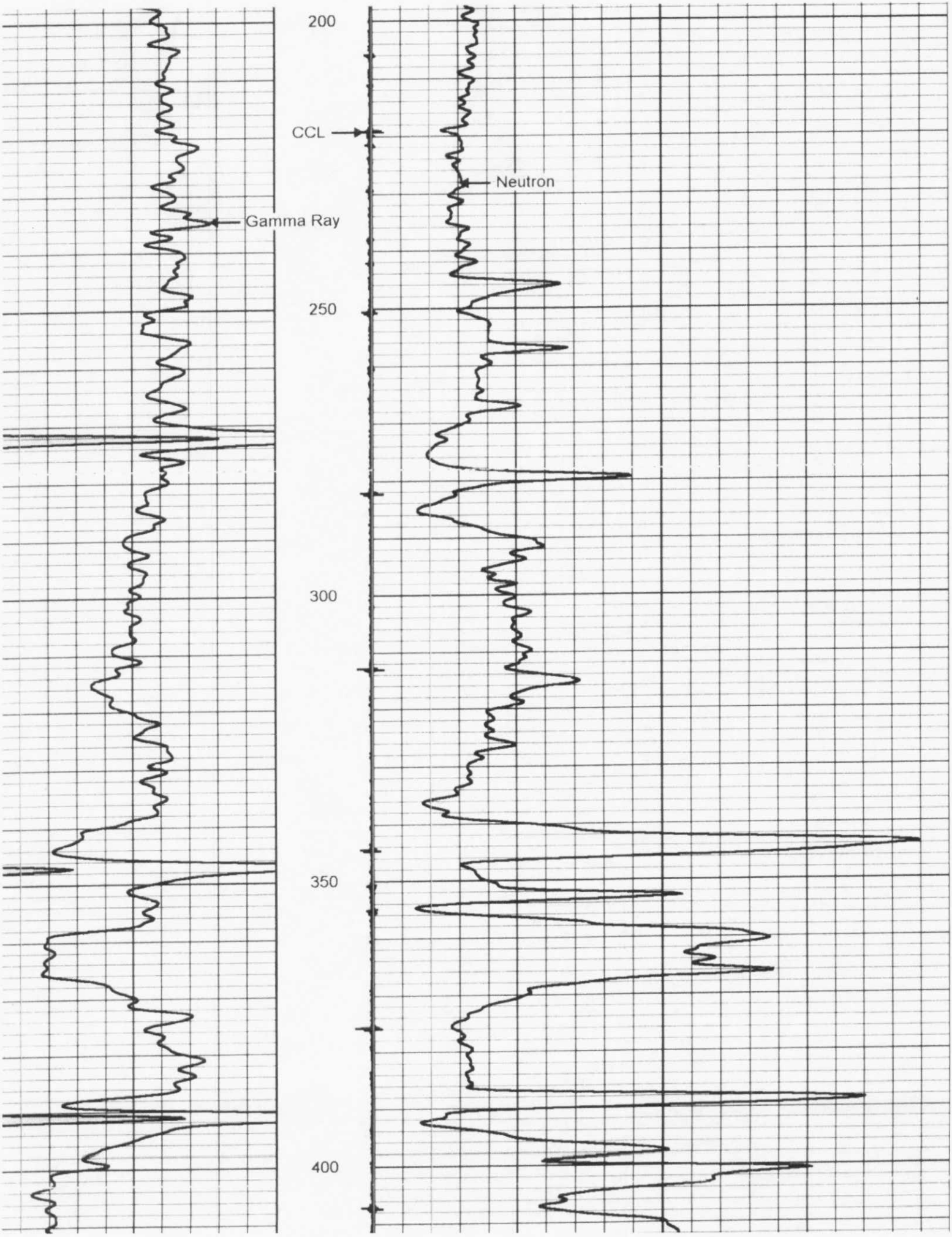
RECEIVED
AUG 04 2010
Mo Oil & Gas Council

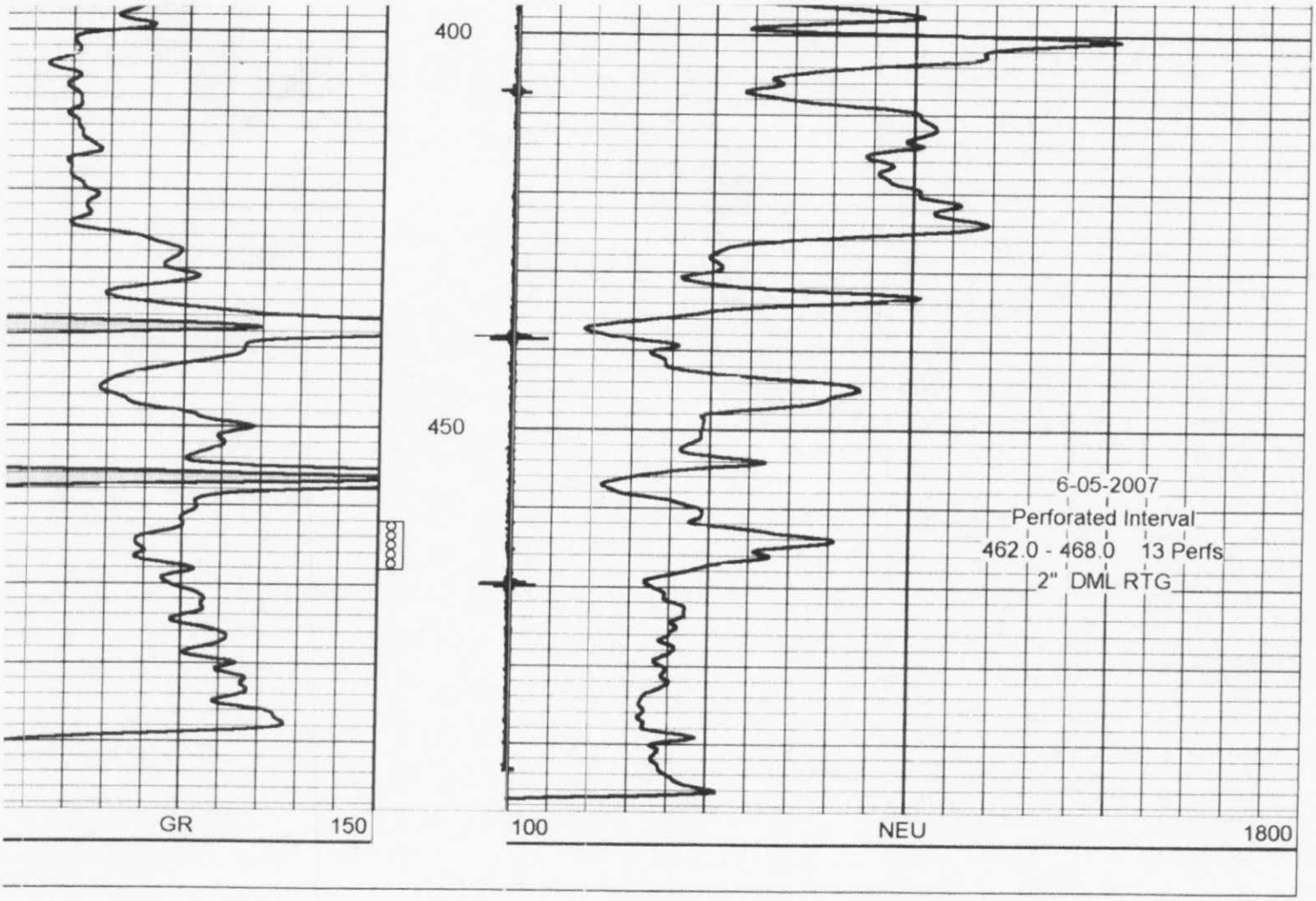
Drilling Contractor :
Osborn Energy LLC

Database File: osbn48.db

tabase File: osbn48.db
taset Pathname: pass1
esentation Format: gr-n-ccl
taset Creation: Tue Jun 05 09:41:03 2007 by Log 6.2_B4
arted by: Depth in Feet scaled 1:240




200
CCL
Neutron
Gamma Ray
250
300
350
400


400
450
GR
150
100
NEU
1800
6-05-2007
Perforated Interval
462.0 - 468.0 13 Perfs
2" DML RTG