



MIDWEST SURVEYS
 LOGGING - PERFORATING - CONSULTING SERVICES
 P.O. Box 68, Osawatomie, KS 66064
 913.755.2128

GAMMA RAY / NEUTRON / CCL

File No. _____

Company: Vast Petroleum Corporation
 Well: Richardson No. V-12
 Field: Paola - Rantoul
 County: Miami State: Kansas

Location: 1466' FSL & 1828' FEL
 SW-SE-NW-SE

Sec. 23 Typ. 18s Rge. 21e
 Permanent Datum: GL Elevation: NA
 Log Measured From: GL
 Drilling Measured From: GL

Date: 05-15-2014
 Run Number: One
 Depth Driller: 565.0
 Depth Logger: 546.8

Bottom Logged Interval: 20.0
 Top Log Interval: Full
 Fluid Level: Full

Type Fluid	Water
Density / Viscosity	NA
Salinity - PPM Cl	NA
Max Recorded Temp	NA
Estimated Cement Top	0.0
Equipment No.	107
Location	Osawatomie
Recorded By	Steve Windisch
Witnessed By	Bill Wilson

BORE-HOLE RECORD				CASING RECORD			
RUN No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	12.75"	0.0	20.0	8.625"	22.0 #	0.0	20.0
Two	6.75"	20.0	585.0	4.50"	9.5 #	0.0	587.0
						At	547.0

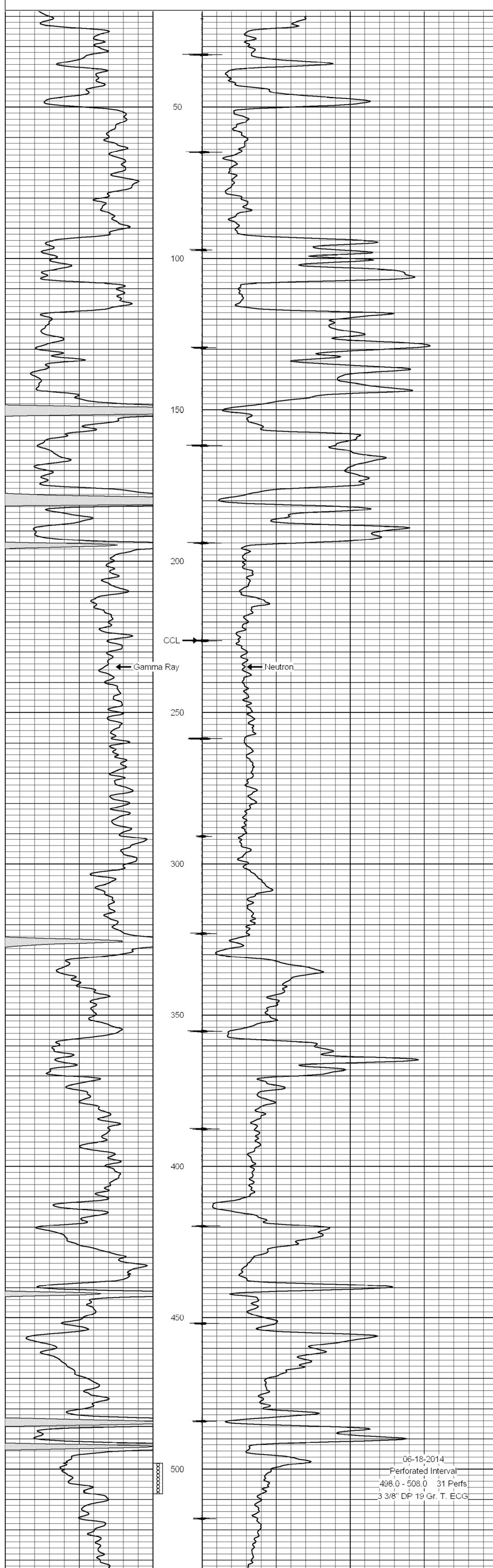
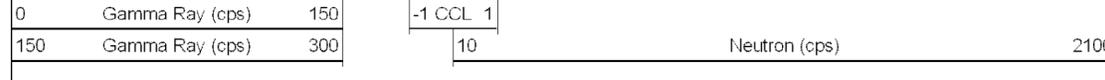
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on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

Database File: richardson12v.db
 Dataset Pathname: pass1
 Presentation Format: gr-n-ccl
 Dataset Creation: Thu May 15 15:39:17 2014 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240



06-18-2014
 Perforated Interval
 498.0 - 508.0 31 Perfs
 3 3/8" DP 19 Gr. T. ECG

