



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

GAMMA RAY / NEUTRON / CCL

File No:

Company: **Magnum Exploration Kansas, LLC**

Well: **Hadl No. 1-2**

Field: **Jayhawk**

County: **Douglas**

State: **Kansas**

Location: **4290' FSL & 4302' FEL**

Other Services: **Perforate**

Location: **W/2-SE-14W-14N**

Sec. 36

Permament Datum: **GL**

Log Measured From: **GL**

Drilling Measured From: **GL**

Date: **12-30-2013**

Run Number: **One**

Depth Driller: **825.0**

Depth Logger: **784.0**

Bottom Logged Interval: **733.0**

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: **NA**

Equipment No.: **107**

Location: **Osawatimie**

Recorded By: **Steve Windisch**

Witnessed By: **Bill Wilson**

BORE-HOLE RECORD

CASING RECORD

TO

NO

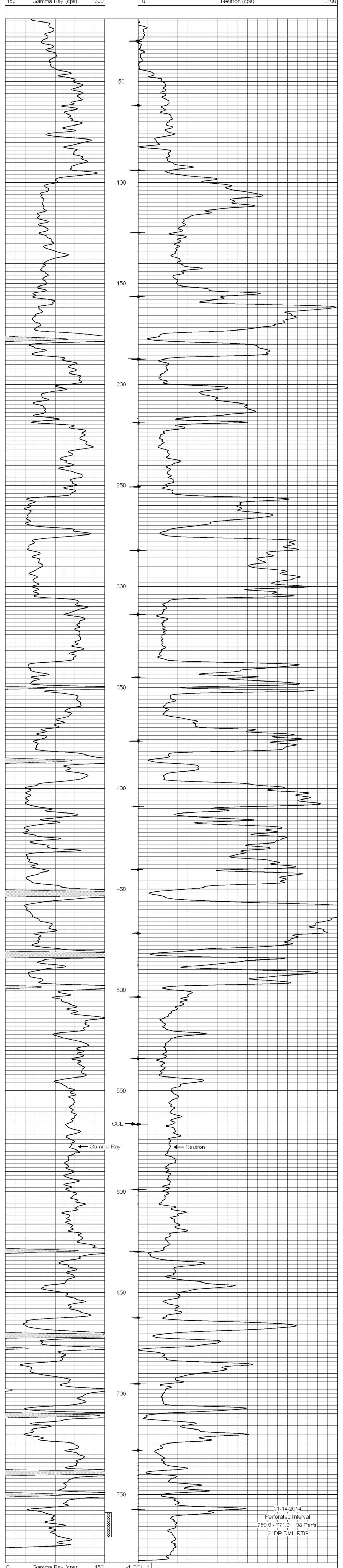
BIT

FROM

TO

Drilling Contractor :
Hat Drilling Company

Database File: hadl 2i.db
 Dataset Pathname: pass1
 Presentation Format: gr-n-ccl
 Dataset Creation: Mon Dec 30 11:17:18 2013 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240



01-14-2014
 Perforated Interval
 759.0 - 771.0 38 Perfs
 2" DP DML RTG