



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

GAMMA RAY / NEUTRON / CCL

File No.

API # 15-121-28,909

Company Crawford Oil, LLC.

Well Knoche No.- 14

Field Block

County Miami State Kansas

Location

1770' FNL & 3075' FWL
SE-NW-SW-NE

Other Services

Perforate

Sec 16 Twp. 18S Rge. 24E

Permanent Datum GL Elevation NA

Log Measured From GL

Drilling Measured From GL

Elevation

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

Date 6-28-2011

Run Number One

Depth Driller 562.0

Depth Logger 550.0

Bottom Logged Interval 548.0

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 Location Osawatomie

Recorded By Gary Windisch

Witnessed By Duane Crawford

RUN BORE-HOLE RECORD CASING RECORD

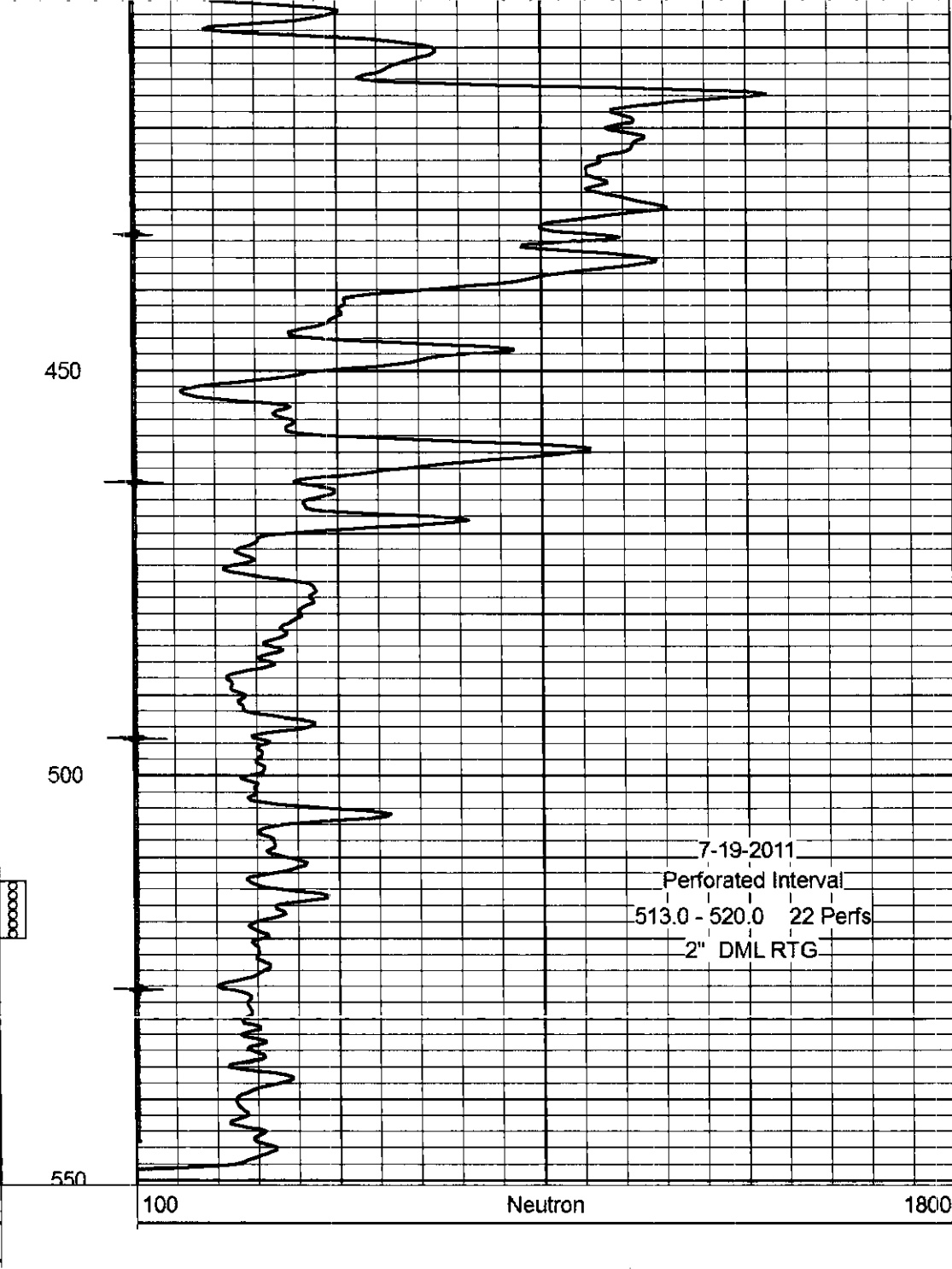
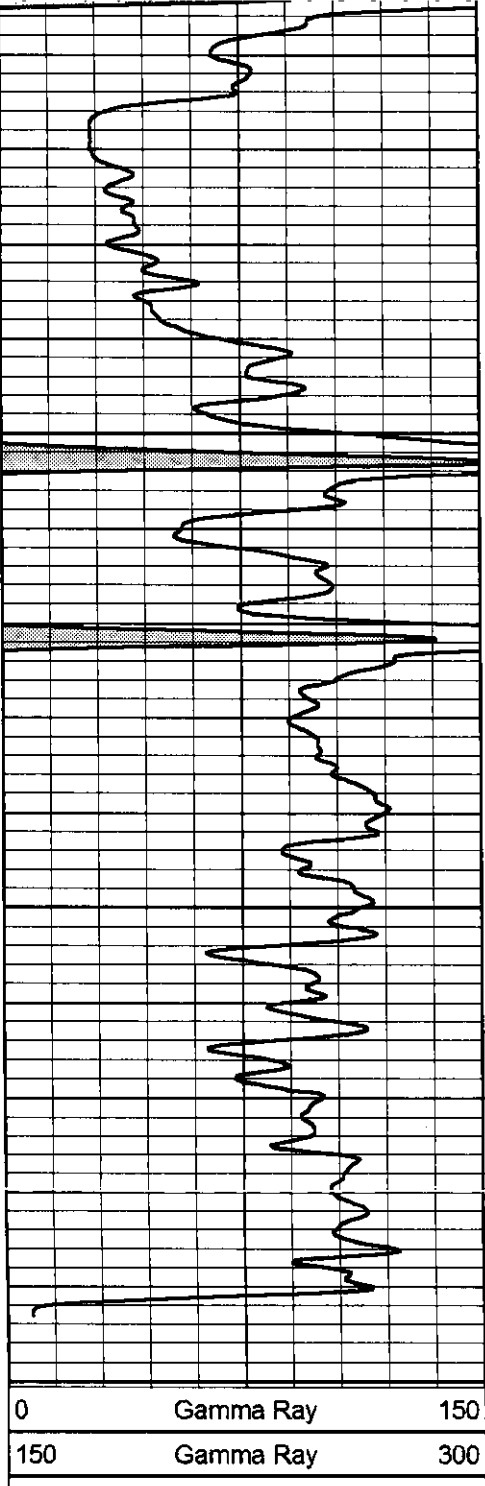
No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 21.0 6.25" 0.0 21.0

Two 5.625" 21.0 562.0 2.875" 0.0 554.7

Pin Set At 550.0

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7-19-2011
Perforated Interval
513.0 - 520.0 22 Perfs
2" DML RTG