



MIDWEST SURVEYS
 LOGGING - PERFORATING - CONSULTING SERVICES
 P.O. Box 69, Osawatomie, KS 66064
 913 / 755 - 2128

GAMMA RAY / NEUTRON / CCL

File No.

Company **EF Oil, LLC**

Well **Winslow No - 4**

Field **Paola - Rantoul**

County **Franklin** State **Kansas**

Location **450' FSL & 165' FEL**

NE-SE-SE-SE

Other Services
Perforate

Sec. 30 Typ. 15s Ege. 21e

Perforation Depth Log Measured From Drilling Measured From

GL GL GL

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

Date 09-05-2012

Run Number One

Depth Dialer 779.0

Depth Logger 751.0

Bottom Logged Interval 750.0

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. Location 107 Osawatomie

Recorded By Steve Mandich

Witnessed By Frances Winslow

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY

RECORDED BY

ESTIMATED CEMENT TOP

SALINITY - PPM CL

MAX RECORDED TEMP

EQUIPMENT NO. LOCATION

DATE

DEPTH DIALER

DEPTH LOGGER

BOTTOM LOGGED INTERVAL

TOP LOG INTERVAL

FLUID LEVEL

DENSITY / VISCOSITY

SALINITY - PPM CL

MAX RECORDED TEMP

ESTIMATED CEMENT TOP

EQUIPMENT NO. LOCATION

RECORDED BY

WITNESSED BY

WITNESSED BY