



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

**GAMMA RAY / NEUTRON / CCL**

File No.

API # 15-059-25,768

Company **Energex Kansas, Inc.**

Well **Carter "A" No. BSP-CA-24**

Field **Paola / Rantoul**

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

Location **3040 FSL & 1860 FEL**

**NW-SE-SW-NE**

Sec. **17** Twp. **18S** Rge. **21E**

Permanent Datum **GL** Elevation **NA**

Log Measured From **GL**

Drilling Measured From **GL**

Other Services  
**Perforate**

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

Date

12-01-2011

Run Number

One

Depth Driller

620.0

Depth Logger

588.0

Bottom Logged Interval

587.0

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

Jay Schendel

WITNESSED BY

Jay Schendel

RECORDED BY

Gary Windisch

LOCATION

Osawatomie

EQUIPMENT NO.

104

ESTIMATED CEMENT TOP

0.0

MAX RECORDED TEMP

NA

SALINITY - PPM CL

NA

DENSITY / VISCOSITY

NA

TYPE FLUID

Water

FLUID LEVEL

Full

TOP LOG INTERVAL

20.0

BOTTOM LOGGED INTERVAL

587.0

DEPTH LOGGER

588.0

DEPTH DRILLER

620.0

RUN NUMBER

One

DATE

12-01-2011

DRILLING MEASURED FROM

GL

LOG MEASURED FROM

GL

PERMANENT DATUM

GL

SECTION

17

RANGE

21E

TOWNSHIP

18S

LOCATION

3040 FSL & 1860 FEL  
 NW-SE-SW-NE

OTHER SERVICES

Perforate

ELEVATION

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

WITNESSED BY

Jay Schendel

RECORDED BY

Gary Windisch

EQUIPMENT NO.

104

ESTIMATED CEMENT TOP

0.0

MAX RECORDED TEMP

NA

SALINITY - PPM CL

NA

DENSITY / VISCOSITY

NA

TYPE FLUID

Water

FLUID LEVEL

Full

TOP LOG INTERVAL

20.0

BOTTOM LOGGED INTERVAL

587.0

DEPTH LOGGER

588.0

DEPTH DRILLER

620.0

RUN NUMBER

One

DATE

12-01-2011

DRILLING MEASURED FROM

GL

LOG MEASURED FROM

GL

PERMANENT DATUM

GL

SECTION

17

RANGE

21E

TOWNSHIP

18S

LOCATION

3040 FSL & 1860 FEL  
 NW-SE-SW-NE

OTHER SERVICES

Perforate

ELEVATION

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

WITNESSED BY

Jay Schendel

RECORDED BY

Gary Windisch

EQUIPMENT NO.

104

ESTIMATED CEMENT TOP

0.0

MAX RECORDED TEMP

NA

SALINITY - PPM CL

NA

DENSITY / VISCOSITY

NA

TYPE FLUID

Water

FLUID LEVEL

Full

TOP LOG INTERVAL

20.0

BOTTOM LOGGED INTERVAL

587.0

DEPTH LOGGER

588.0

DEPTH DRILLER

620.0

RUN NUMBER

One

DATE

12-01-2011

DRILLING MEASURED FROM

GL

LOG MEASURED FROM

GL

PERMANENT DATUM

GL

SECTION

17

RANGE

21E

TOWNSHIP

18S

LOCATION

3040 FSL & 1860 FEL  
 NW-SE-SW-NE

OTHER SERVICES

Perforate

ELEVATION

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

WITNESSED BY

Jay Schendel

RECORDED BY

Gary Windisch

EQUIPMENT NO.

104

ESTIMATED CEMENT TOP

0.0

MAX RECORDED TEMP

NA

SALINITY - PPM CL

NA

DENSITY / VISCOSITY

NA

TYPE FLUID

Water

FLUID LEVEL

Full

TOP LOG INTERVAL

20.0

BOTTOM LOGGED INTERVAL

587.0

DEPTH LOGGER

588.0

DEPTH DRILLER

620.0

RUN NUMBER

One

DATE

12-01-2011

DRILLING MEASURED FROM

GL

LOG MEASURED FROM

GL

PERMANENT DATUM

GL

SECTION

17

RANGE

21E

TOWNSHIP

18S

LOCATION

3040 FSL & 1860 FEL  
 NW-SE-SW-NE

OTHER SERVICES

Perforate

ELEVATION

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

WITNESSED BY

Jay Schendel

RECORDED BY

Gary Windisch

EQUIPMENT NO.

104

ESTIMATED CEMENT TOP

0.0

MAX RECORDED TEMP

NA

SALINITY - PPM CL

NA

DENSITY / VISCOSITY

NA

TYPE FLUID

Water

FLUID LEVEL

Full

TOP LOG INTERVAL

20.0

BOTTOM LOGGED INTERVAL

587.0

DEPTH LOGGER

588.0

DEPTH DRILLER

620.0

RUN NUMBER

One

DATE

12-01-2011

DRILLING MEASURED FROM

GL

LOG MEASURED FROM

GL

PERMANENT DATUM

GL

SECTION

17

RANGE

21E

TOWNSHIP

18S

LOCATION

3040 FSL & 1860 FEL  
 NW-SE-SW-NE

OTHER SERVICES

Perforate

ELEVATION

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

WITNESSED BY

Jay Schendel

RECORDED BY

Gary Windisch

EQUIPMENT NO.

104

ESTIMATED CEMENT TOP

0.0

MAX RECORDED TEMP

NA

SALINITY - PPM CL

NA

DENSITY / VISCOSITY

NA

TYPE FLUID

Water

FLUID LEVEL

Full

TOP LOG INTERVAL

20.0

BOTTOM LOGGED INTERVAL