



MIDWEST SURVEYS
LOGGING - PERFORATING - CONSULTING SERVICES
P.O. Box 66, Osawatomie, KS 66064
913 / 755 - 2172

GAMMA RAY / NEUTRON / CCL

File No.

Company Legend Oil & Gas, Ltd

Well Massoth - Ellis No.- 11

Field Humboldt - Chanute

County Woodson State Kansas

Location

2805 FSL & 2475 FWL

SE-SE-SE-NW

Sec 22 Twp. 25S Rge. 17E

Permanent Datum GL Elevation NA

Log Measured From GL

Drilling Measured From GL NA

Date 10-27-2014

Run Number One

Depth Driller 832.0

Depth Logger 824.8

Bottom Logged Interval 813.8

Top Log Interval 29.0

Fluid Level Full

Type Fluid Water

Density / Viscosity NA

Salinity - PPM Cl NA

Max Recorded Temp NA

Estimated Cement Top 0.0

Equipment No. 107

Recorded By Steve Windisch

Witnessed By Marshall Diamond-Goldberg

Witnessed By

Witnessed By

Witnessed By

Witnessed By

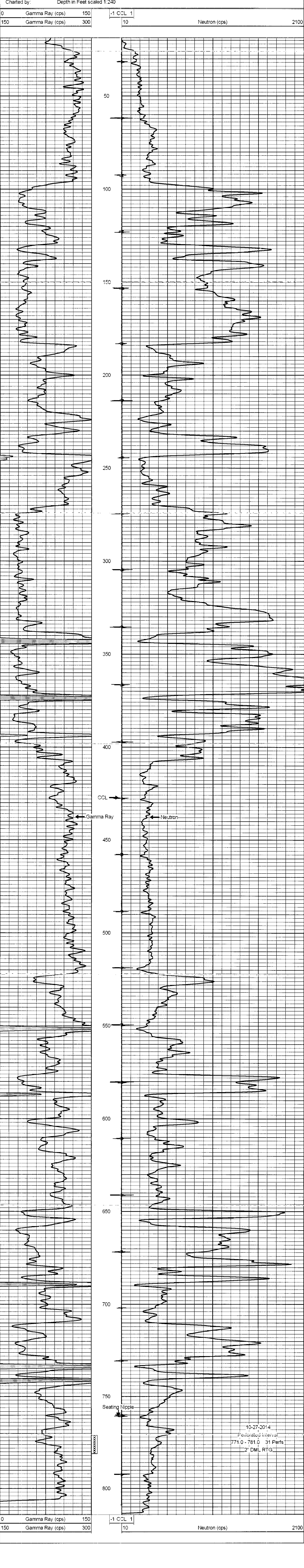
Witnessed By

Witnessed By

Comments

Drilling Contractor :
WOCO Drilling, LLC

Database File: massoth ellis 11.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Mon Oct 27 11:47:25 2014 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240





MIDWEST SURVEYS
LOGGING - PERFORATING - CONSULTING SERVICES
P.O. Box 66, Oskawille, KS 66064
913 / 755 - 2428

GAMMA RAY / NEUTRON / CCL

File No.

Company Legend Oil & Gas, Ltd
Well Massoth - Ellis No.- 11
Field Humboldt - Chanute
County Woodson State Kansas

Location

2805' FSL & 2475' FWL

SE-SE-SE-NW

Sec. 22 Twp. 25S Rge. 17E

Permanent Datum GL

Log Measured From GL

Drilling Measured From GL

Other Services

Perforate

K B NA

D F NA

G L NA

Elevation NA

10-27-2014

Date

Run Number

Depth Driller

Depth Logger

Bottom Logged Interval

Top Log Interval

Fluid Level

Type Fluid

Density / Viscosity

Salinity - PPM Cl

Max Recorded Temp

Estimated Cement Top

Equipment No.

Recorded By

Witnessed By

Marshall Diamond-Goldberg

BORE-HOLE RECORD

BIT

FROM

TO

SIZE

WGT

FROM

TO

One 12.75" 0.0 20.0 8.625" 24.0 # 0.0 20.0

Two 6.125" 20.0 832.0 2.875" 6.5 # 0.0 823.0

<<< Fold Here >>>

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.

Drilling Contractor :
WOCO Drilling, LLC

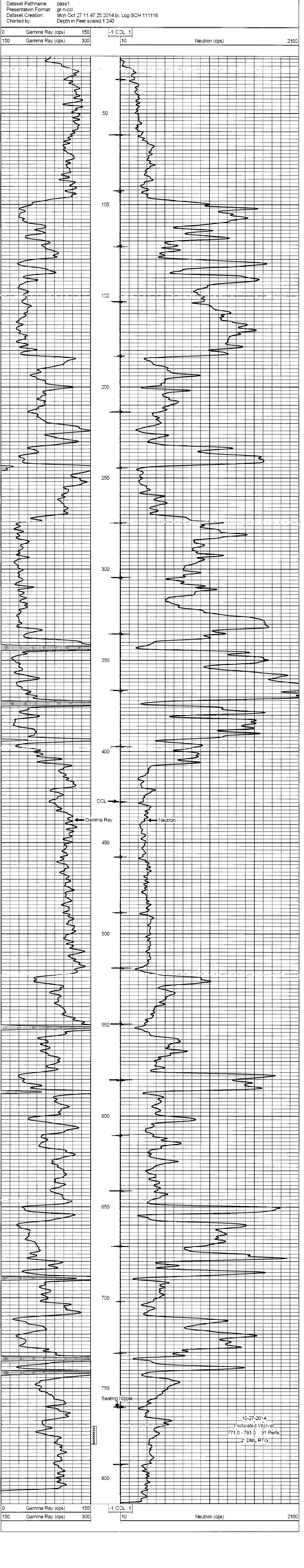
Database File: massoth ellis 11.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Mon Oct 27 11:47:25 2014 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

0 Gamma Ray (cps) 150
150 Gamma Ray (cps) 300

-1 CCL 1

Neutron (cps)

2100



0 Gamma Ray (cps) 150
150 Gamma Ray (cps) 300

-1 CCL 1

Neutron (cps)

2100



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

GAMMA RAY / NEUTRON / CCL

File No.

Company Legend Oil & Gas, Ltd

Well Massoth - Ellis No.- 11

Field Humboldt - Chanute

County Woodson

State Kansas

Location

2805 FSL & 2475 FWL

SE-SE-SE-NW

Sec. 22 Twp. 25S Rge. 17E

Perforate

Sec. 22 Twp. 25S Rge. 17E

Perforate

Perforate

Perforate

Perforate

Perforate

Perforate

Perforate

Perforate

Perforate

Perforate

Perforate

Perforate

Perforate

Perforate

API # 15-207-29.112

Date

Run Number

Depth Driller

Depth Logger

Bottom Logged Interval

Top Log Interval

Fluid Level

Type Fluid

Density / Viscosity

Salinity - PPM Cl

Max Recorded Temp

Estimated Cement Top

Equipment No.

Recorded By

Witnessed By

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014

One

832.0

824.8

813.8

20.0

Full

Water

NA

NA

NA

0.0

107

Osawatimie

Steve Windisch

10-27-2014