



MIDWEST SURVEYS
LOGGING - PERFORATING - CONSULTING SERVICES
P.O. Box 88, Osawatomie, KS 66064
913 / 755 - 2128

GAMMA RAY / NEUTRON / CCL

File No.

Company **ST Petroleum, Inc.**

Well **Thomas "B" No.- 7A**

Field **Longanecker Southeast**

County **Johnson** State **Kansas**

Location **4578' FSL & 1671' FEL**

NW-SE-NW-NE

Sec. 31 Twp. 14S Rge. 22E

Permanent Datum GL Elevation NA

Log Measured From GL

Drilling Measured From GL

Date 09-05-2013

Run Number One

Depth Drier 900.0

Depth Logger 866.8

Bottom Logged Interval 865.8

Top Log Interval 200.0

Fluid Level

Type Fluid Water

Density / Viscosity NA

Salinity - PPM Cl NA

Max Recorded Temp NA

Estimated Cement Top 0.0

Equipment No. 102

Recorded By Gary Windisch

Witnessed By Rick Singleton

BORE-HOLE RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879.9

Baffle Set At 869.9

CASING RECORD

Run No. BIT FROM TO SIZE WGT. FROM TO

One 9.875" 0.0 22.0 7.00" 17.0# 0.0 22.0

Two 5.625" 22.0 900.0 2.875" 6.5# 0.0 879