# DUAL INDUCTION RESISTIVITY LOG

Tucker WIRELINE SERVICES

CONFIDENTIAL

RECEIVED
SEP 13 2010
Mo Oil & Gas Council

| | |
|---|---|
| File No. : | TUL-55032 |
| Company : | RUNNING FOXES PETROLEUM, INC. |
| Well : | EMMERSON #12-6A-3 |
| Field : | WILDCAT |
| County : | VERNON |
| State : | MISSOURI |
| Country : | U.S.A. |

Location : PERMIT # 22441
2180' FSL & 880' FWL

Sect : 06 Twp : 36N Rge : 33W

Recorded By : R. FRANKLIN
Witnessed By : G. BRATTON

Date : MAY 06 2010
Run No. : 1

| | | |
|---|---|---|
| Permanent Datum : | GL | |
| Drilling Measured From : | GL | |
| Log Measured From : | GL | |
| Above Permanent Datum : | 0.00 | FT |
| Depth--Driller : | 462.0 | FT |
| Depth--Logger : | 460.0 | FT |
| Bottom Log Interval : | 459.0 | FT |
| Top Log Interval : | 23.0 | FT |
| Casing Depth--Driller : | 23.0 | FT |
| Casing Depth--Logger : | 23.0 | FT |
| Casing Diameter : | 7.000 | IN |
| Bit Size : | 6.125 | IN |
| Unit No. : | TRK 121 | |
| Location : | TULSA | |

Elevations :
KB :
DF :
GL : 872.00 FT

## Additional Services

CNT
LDT

The customer is hereby warned that by providing the log data herein, T. W. S. does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. T. W. S. does not guarantee or warrant either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by T. W. S. personnel. Any interpretation, conversion or recommendation is not part of the consideration for the agreement between the parties and is not part of any part of the charge by T. W. S. for its services. Any user of the log data is warned that said user is not entitled to rely on intepretations, conversions or recommendations so afforded.

### Run Number 1

| | | | | |
|---|---|---|---|---|
| Depth To Fluid | 0.0 | FT | | |
| Fluid Type In Hole : | FRESH / NATIVE | | | |
| Density : | 0.000 | LBS/GAL | | |
| Viscosity : | 0.000 | SEC/QT | | |
| pH : | 0.000 | | | |
| Fluid Loss : | 0.000 | CC | | |
| Salinity : | 0.000 | KPPM | | |
| RM Source : | MEASURED | | | |
| RM : | 9.000 | OHMM at | 65 | F |
| RM at BHT : | 8.000 | OHMM at | 74 | F |
| RMF Source : | CALCULATED | | | |
| RMF : | 7.650 | OHMM at | 65 | F |
| RMF at BHT : | 6.800 | OHMM at | 74 | F |
| RMC Source : | CALCULATED | | | |
| RMC : | 10.350 | OHMM at | 65 | F |
| RMC at BHT : | 9.200 | OHMM at | 74 | F |
| Max Recorded Temp. : | | | 74 | F |
| Time Circulation Stopped : | | | | |
| Operating Rig Time, Hrs. : | | | 1.5 | |

- Source Serial Numbers -

Gamma 2991GW
Neutron N-1046

- Sonde Serial Numbers -

GRTB GRT-BC-41
CNT CNP-AA-112
LDT LDP-BA-16
PIT B PIT-BA-20

Casing Strings

| Size (IN) | Weight (LB/FT) | Bottom (FT) |
|---|---|---|
| 7.000 | 15.00 | 23.00 |

- Comments -

ALL PRESENTATIONS AS PER CLIENTS REQUEST.

GRT, CNT, LDT, AND PIT RUN IN COMBINATION.
CALIPERS ORIENTED ON THE X-Y AXIS.
2.71 G/CC USED TO CALCULATE PORSITY.
ANNULAR HOLE VOLUME CALCULATED USING 2.875" PRODUCTION CASING.

GRT: GRP.
CNT: PHIN, CN/NIN.
LDT: PORL, PORLLS, D/OR, PECL, LDEN, CLLDIN.
PIT: ILD, ILM, CIRD.

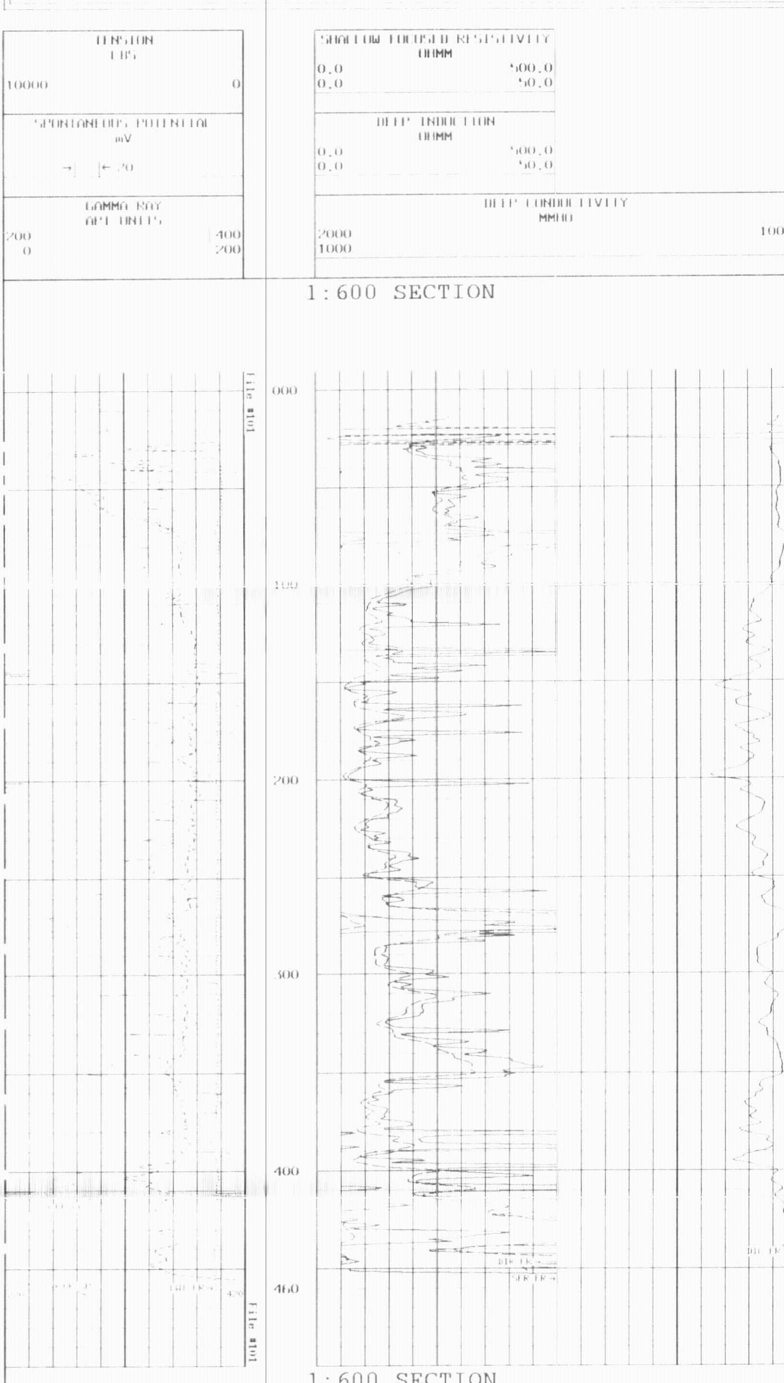
OPERATORS:
S. DAVIS
M. GARNER

THANK YOU FOR USING TUCKER WIRELINE SERVICES!

## Tool String Schematic

Total Tool Length
Maximum Outside diameter 4.00 in.
Net Weight in Air

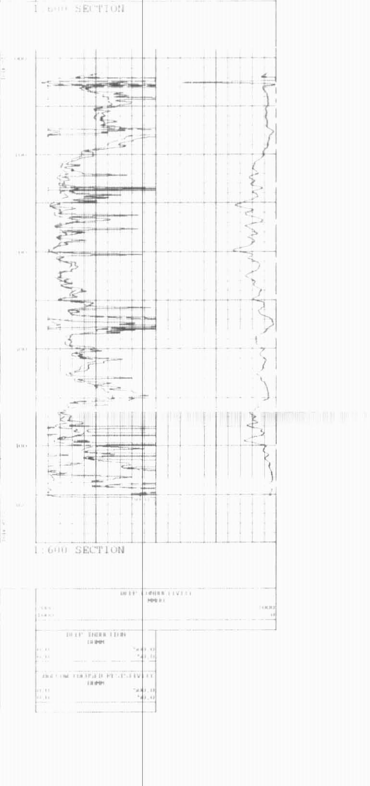
1:600 SECTION



1:600 SECTION

1:240 MAIN SECTION

1:240 MAIN SECTION

1:240 REPEAT SECTION

1:240 REPEAT SECTION