217-22191

Tucker WIRELINE SERVICES

CONFIDENTIAL

COMPENSATED NEUTRON PEL DENSITY LOG

RECEIVED
DEC 11 2008
Mo Oil & Gas Council

File No. :	TUL-53238
Company :	RUNNING FOXES PETROLEUM
Well :	MASHEK #3-17A
Field :	
County :	VERNON
State :	MISSOURI
Country :	U.S.A.
Location :	PERMIT #: 22191 452' FNL & 2140' FWL NE NE NW
Sect : 17	Twp : 36N Rge : 33W
Recorded By :	D. SPARKS
Witnessed By :	G. BRATTON
Date :	MAY 21 2008
Run No. :	1
Permanent Datum :	GL
Drilling Measured From :	GL
Log Measured From:	GL
Above Permanent Datum :	0.00 FT
Depth--Driller :	362.0 FT
Depth--Logger :	362.0 FT
Bottom Log Interval :	360.0 FT
Top Log Interval :	22.0 FT
Casing Depth--Driller:	20.0 FT
Casing Depth--Logger :	25.0 FT
Casing Diameter :	7.000 IN
Bit Size :	6.250 IN

Elevations :
KB : N/A FT
DF : N/A FT
GL : 834.00 FT

Additional Services
PIT

The customer is hereby advised 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 interpretations, conversions or recommendations as aforesaid.

Run Number 1

Depth To Fluid	11.0	FT		
Fluid Type In Hole :	FRESH WATER			
Density :	0.000	LBS/GAL		
Viscosity :	0.000	SEC		
pH :	0.000			
Fluid Loss :	0.000	CC		
Salinity :	0.000			
RM Source :	MEASURED			
RM :	2.330	OHMM at	78	F
RM at BHT :	2.908	OHMM at	61	F
RMF Source :	CALCULATED			
RMF :	1.981	OHMM at	78	F
RMF at BHT :	2.472	OHMM at	61	F
RMC Source :	CALCULATED			
RMC :	2.680	OHMM at	78	F
RMC at BHT :	3.345	OHMM at	61	F
Max Recorded Temp. :			61	F
Time Circulation Stopped :				
Operating Rig Time, Hrs. :			4.0	

- Sonde Serial Numbers -

GRTB GRT-BB-101
PIT_B PIT-AB-18

Casing Strings

Size (IN)	Weight (LB/FT)	Bottom (FT)
7.000	17.00	20.00

- Comments -

ALL PRESENTATIONS AS PER CUSTOMER REQUEST.

GRT, CNT, & LDT RAN IN COMBINATION FOR RUN 1.
GRT & PIT RAN IN COMBINATION FOR RUN 2.
CALIPERS ORIENTED ON THE X-Y AXIS.
PHIN IS CALIPER CORRECTED.
ANNULAR HOLE VOLUME CALCULATED USING 4.5" PRODUCTION CASING.
2.71 G/CC USED TO CALCULATE POROSITY.

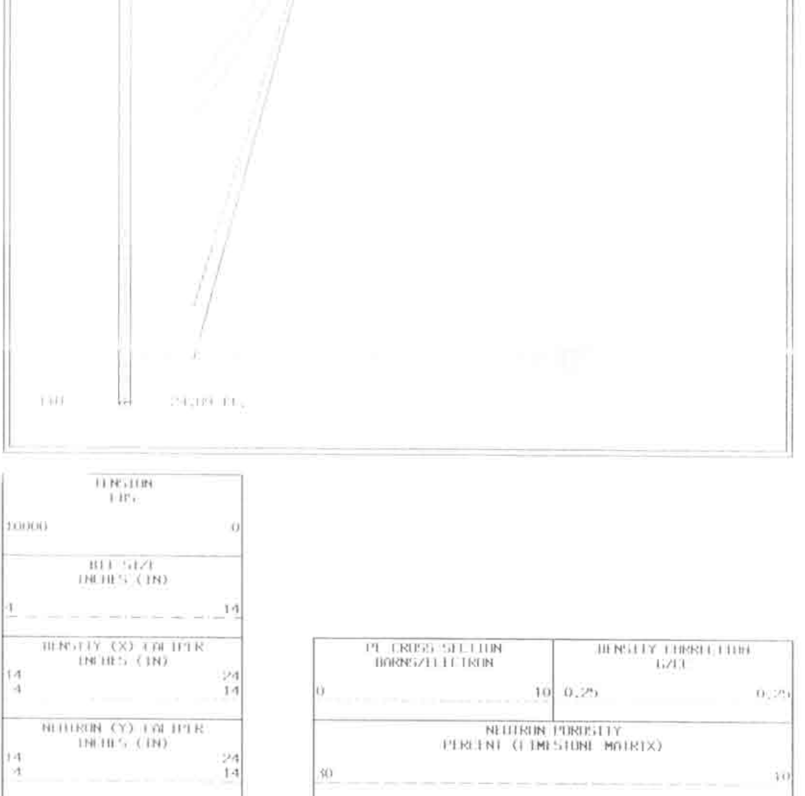
GRT: GRP.
CNT: PHIN, CLCNIN.
LDT: PORL, LCOR, PECL, CLLDIN, LDEN, PORLLS.
PIT: ILD, ILM, CIRD, SPU, SFLAEC.

OPERATORS:
J. COLLWELL
L. BARTO

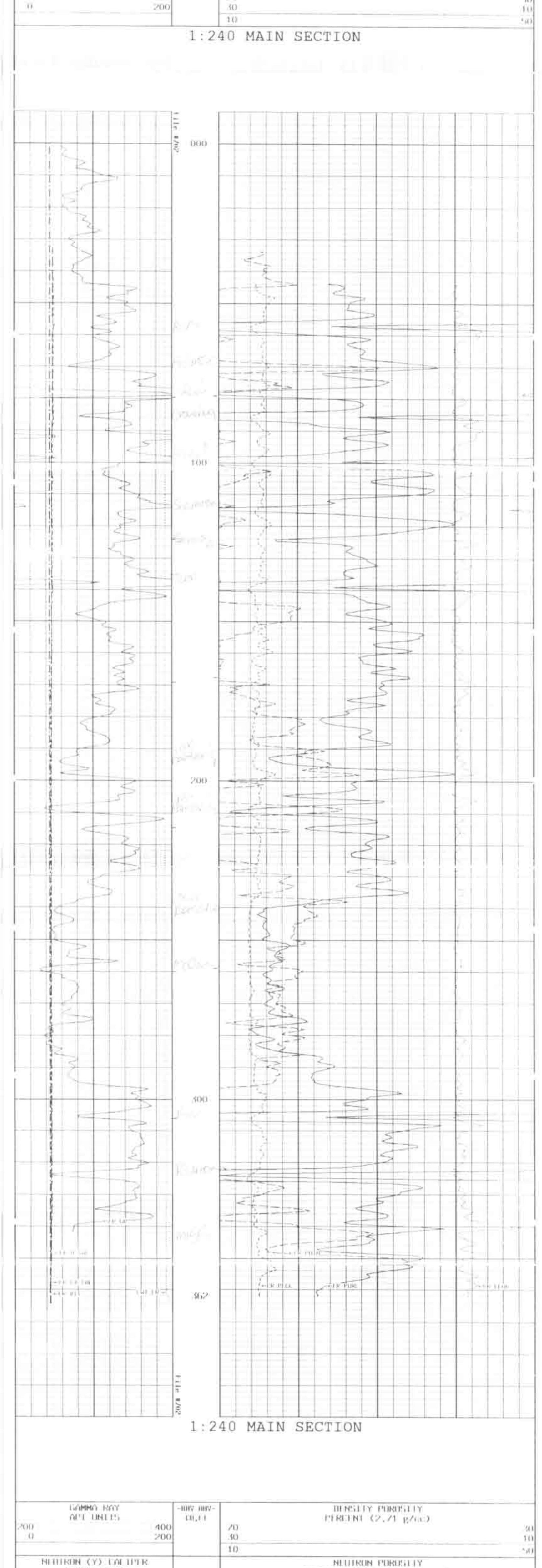
THANK YOU FOR USING TUCKER WIRELINE SERVICES!

Tool String Schematic

Total Tool Length: 24.00 ft.
Maximum Outside diameter: 3.62 in.
Net Weight in Air: 200.00 lbs.



1:240 MAIN SECTION



1:240 MAIN SECTION

GAMMA RAY API UNITS	-RHV RHV-	DENSITY POROSITY PERCENT (2.71 g/cc)
200 — 400		70 — 30
0 — 200		30 — 10
		10 — -50

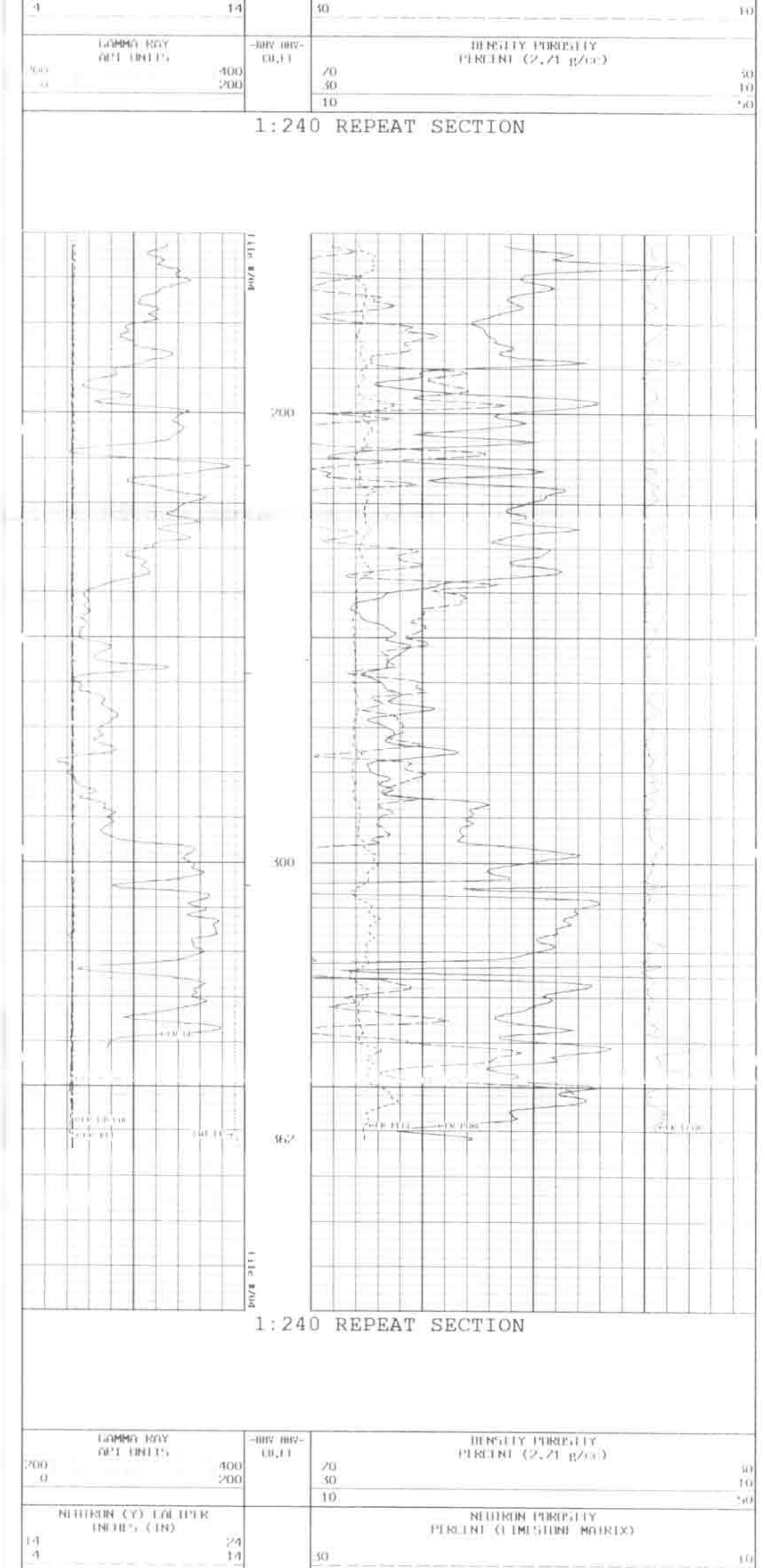
NEUTRON (Y) CALIPER INCHES (IN): 14 — 24; 4 — 14	NEUTRON POROSITY PERCENT (LIMESTONE MATRIX): 30 — 10
DENSITY (X) CALIPER INCHES (IN): 14 — 24; 4 — 14	PE CROSS SECTION BARNS/ELECTRON: 0 — 10; DENSITY CORRECTION G/CC: -0.25 — 0.25
BIT SIZE INCHES (IN): 4 — 14	
TENSION LBS: 10000 — 0	

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 1

Matrix Density	2.71 G/CC
Fluid Density	1.00 G/CC
Formation Matrix	Limestone
Bit Size	6.250 IN
Production Casing Diameter	4.500 IN
Casing Correction (PHI) On	Disable

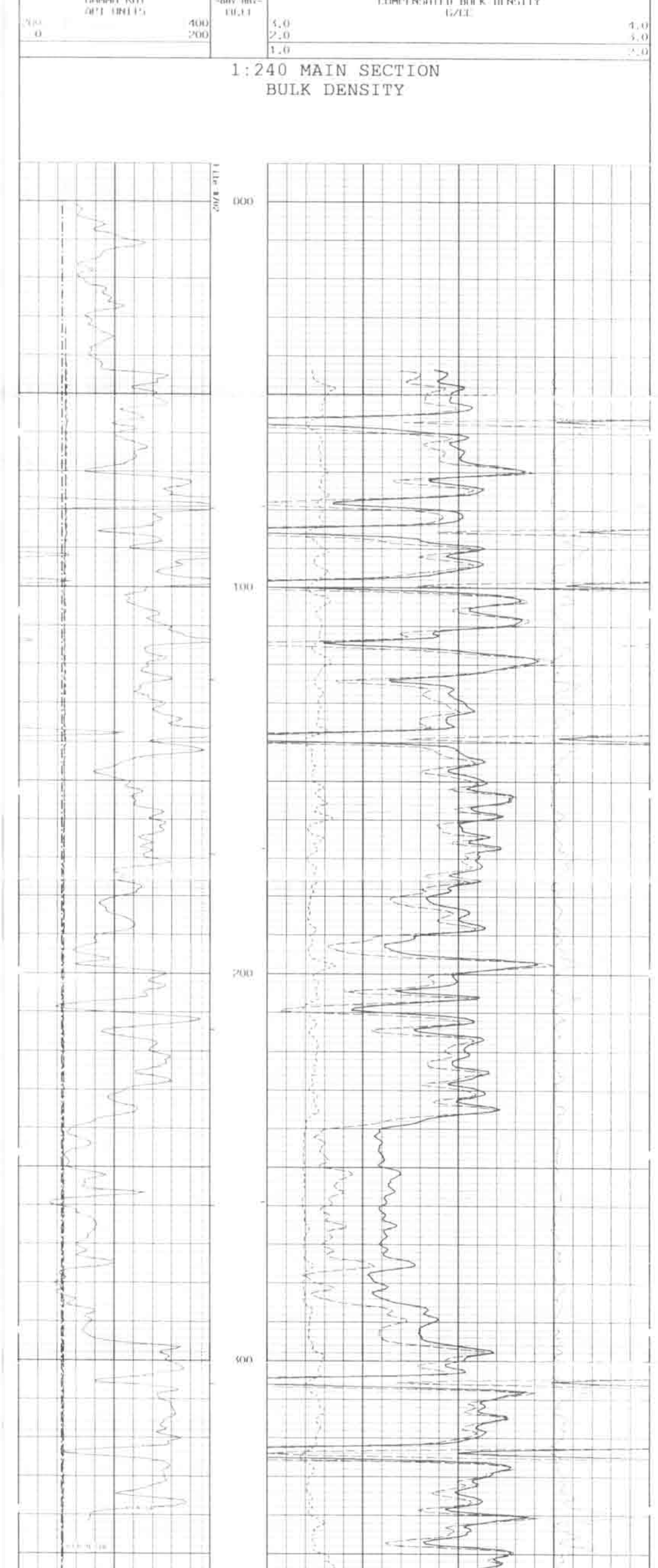
1:240 REPEAT SECTION



1:240 REPEAT SECTION

* Borehole Zone Factors *

1:240 MAIN SECTION
BULK DENSITY



1:240 MAIN SECTION
BULK DENSITY

* Borehole Zone Factors *

Tool Calibration Summary