COMPENSATED NEUTRON PEL DENSITY LOG

Tucker WIRELINE SERVICES

7-7-22583

File No. :	TUL-56703
Company :	RUNNING FOXES PETROLEUM, LLC
Well :	EMMERSON 5-6D-4
Field :	
County :	VERNON
State :	MISSOURI
Country :	USA
Location :	PERMIT#: 22583 2440' FNL & 1200' FWL
	Sect : 6 Twp : 36N Rge : 33W
Recorded By :	B.BAILEY
Witnessed By :	C.COUNTS
Date :	OCT 27 2010
Run No. :	1
Permanent Datum :	GL
Drilling Measured From :	GL
Log Measured From :	GL
Above Permanent Datum :	0.00 FT

Elevations :
KB :
DF :
GL : 877.00 FT

Additional Services
PIT

RECEIVED DEC 20 2010 Mo Oil & Gas Council

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 as of record.

Run Number 1

Depth To Fluid	0.0	FT		
Fluid Type In Hole :	WBM			
Density :	0.000	SG		
Viscosity :	0.000	SEC		
pH :	0.000			
Fluid Loss :	0.000			
Salinity :	0.000	KPPM		
RM Source :	MEASURED			
RM :	10.000	OHMM at	65	F
RM at BHT :	9.111	OHMM at	72	F
RMF Source :	CALCULATED			
RMF :	8.500	OHMM at	65	F
RMF at BHT :	7.745	OHMM at	72	F
RMC Source :	CALCULATED			
RMC :	11.500	OHMM at	65	F
RMC at BHT :	10.478	OHMM at	72	F
Max Recorded Temp. :			72	F
Time Circulation Stopped :				
Operating Rig Time, Hrs. :			2.0	

- Source Serial Numbers -

Gamma	CSV-587
Neutron	N-1044

- Sonde Serial Numbers -

GRTB	GRT-BA-14
CNT	CNP-AA-116
LDTNG	LDP-NG-02
PIT	PIT-AB-14

Casing Strings

Size (IN)	Weight (LB/FT)	Bottom (FT)
8.625	32.00	20.00

- Comments -

ALL PRESENTATIONS AS PER CUSTOMER REQUEST.

GRT, CNT, LDT, PIT RAN IN COMBINATION
CALIPERS ORIENTED ON THE X-Y AXIS.
PHIN IS CALIPER CORRECTED.
2.71 [illegible] USED TO CALCULATE POROSITY.
ANNULAR HOLE VOLUME CALCULATED USING 2.875" PRODUCTION CASING.

GRT: GR.
CNT: PHIN, CLCNIN.
LDT: PORL, LCORN, PECLN, CLLDIN, LDENN, PORLLS, PECSN.
PIT: TDS, TLM, CIRD, SPLAEC, SPU.

OPERATORS:
M.BURKE
R.AUSTIN

THANK YOU FOR USING TUCKER WIRELINE SERVICES!

Tool String Schematic

Total Tool Length [illegible] ft.
Maximum Outside diameter 4.00 in.
Net Weight in Air [illegible] lbs.

Tool: GRTB Length: 3.40 ft. O.D.: 3.60 in.
Sonde ID : GRT-BA-14

Measure Point	Stack Offset	Tool Offset	Bottom Offset
GR	[illegible]	[illegible]	41.29

Tool: CNT Length: [illegible] ft. O.D.: [illegible] in.
Sonde ID : CNP-AA-116
Source ID : N-1044
Pad ID : CNP-AA-116

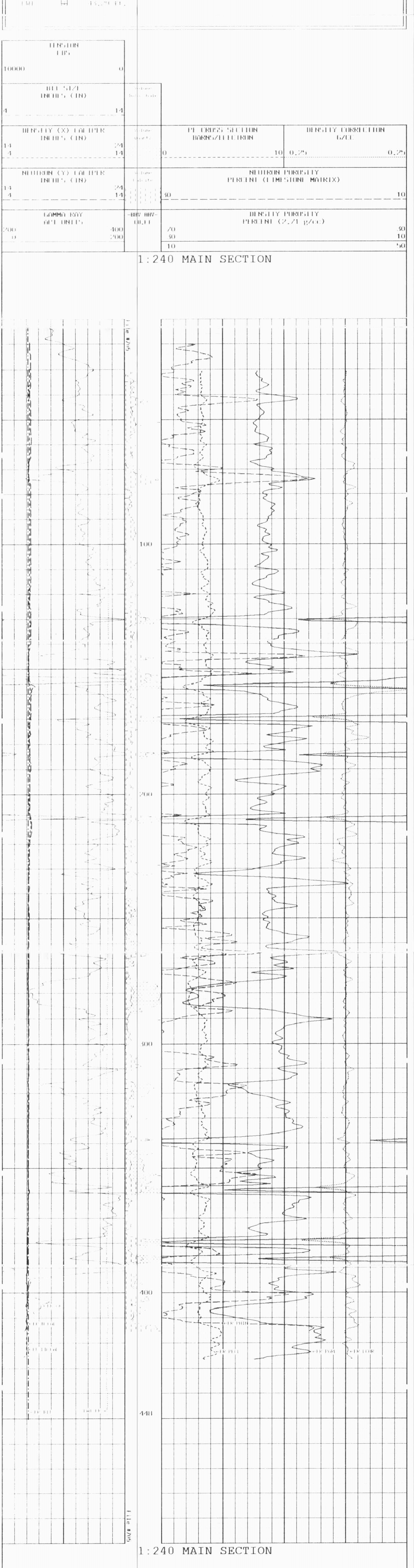
Measure Point	Stack Offset	Tool Offset	Bottom Offset
[illegible]	[illegible]	6.00	33.80
[illegible]	10.24	6.84	33.05

Tool: LDTNG Length: [illegible] ft. O.D.: 4.00 in.
Sonde ID : LDP-NG-02
Source ID : CSV-587
Pad ID : LDP-NG-02

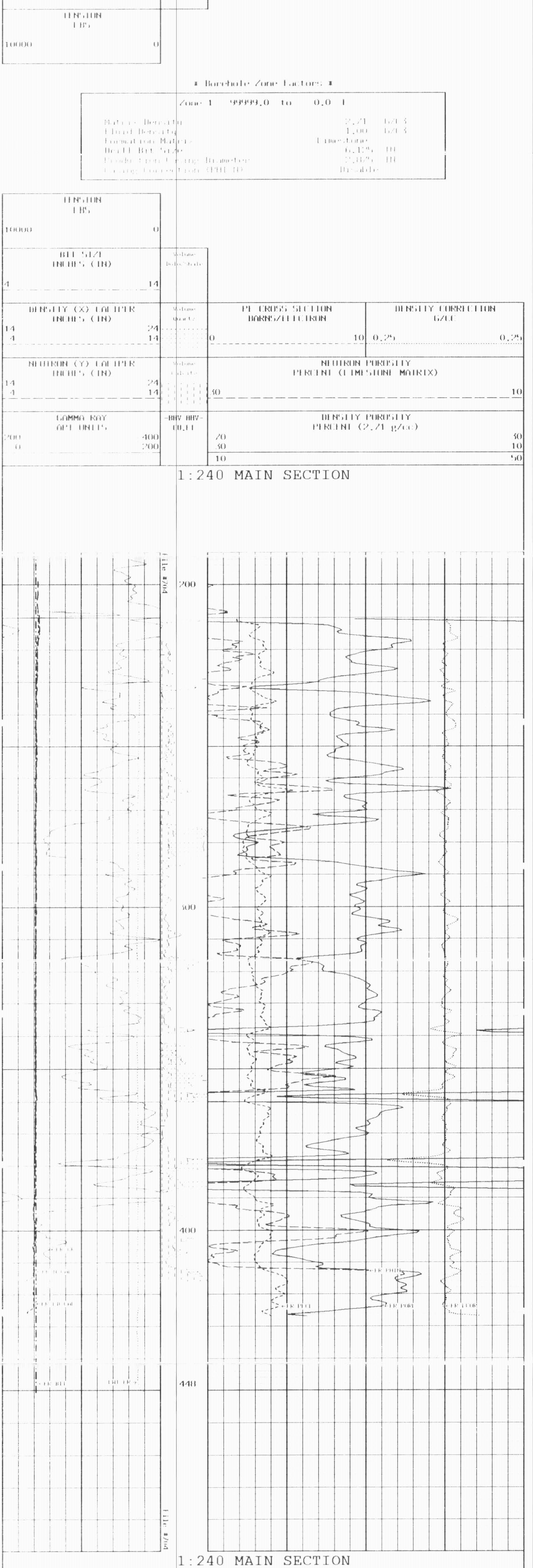
Measure Point	Stack Offset	Tool Offset	Bottom Offset
[illegible]	18.70	6.00	24.59
[illegible]	19.70	7.00	23.59
[illegible]	20.10	7.40	23.19
[illegible]	19.70	7.00	23.59

Tool: PIT Length: 21.20 ft. O.D.: 3.63 in.
Sonde ID : PIT-AB-14

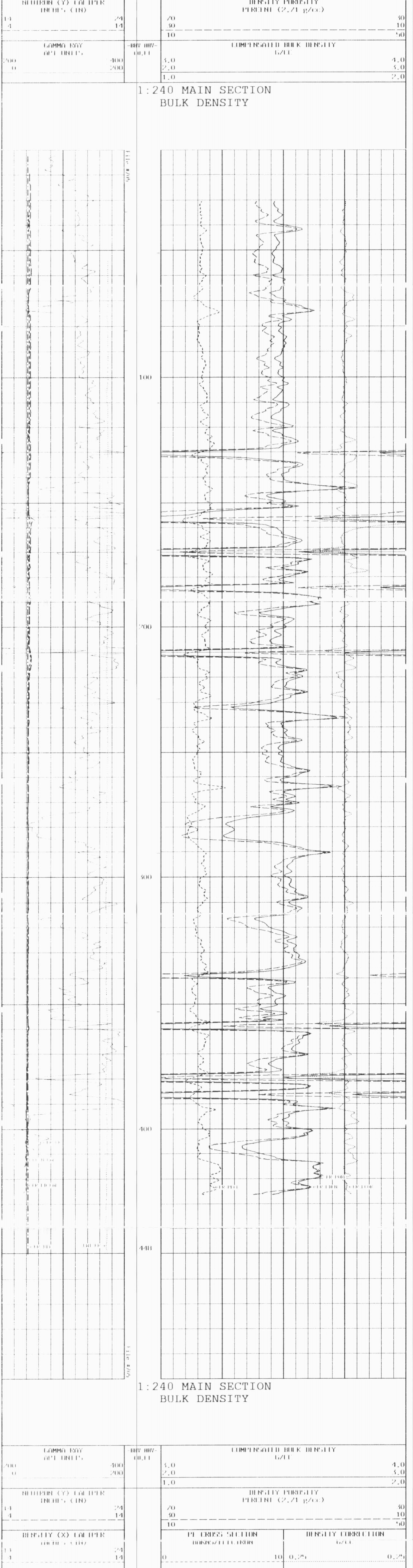
Measure Point	Stack Offset	Tool Offset	Bottom Offset
[illegible]	30.90	8.90	12.30
[illegible]	32.10	10.10	11.20
[illegible]	39.40	17.40	3.80
[illegible]	43.20	20.60	0.00



1:240 MAIN SECTION



1:240 MAIN SECTION



1:240 MAIN SECTION
BULK DENSITY