22598

Tucker
WIRELINE SERVICES

COMPENSATED NEUTRON
PEL DENSITY LOG

! CONFIDENTIAL
tell 11/22/11

RECEIVED
NOV 22 2010
Mo Oil & Gas Council

File No.	:	TUL-56607
Company	:	RUNNING FOXES PETROLEUM INC.
Well	:	STONER #4-7B-1A
Field	:	
County	:	VERNON
State	:	MISSOURI
Country	:	USA

Location : PERMIT #22590
5' FNL & 540' FWL

Sect : 07 Twp : 36N Rge : 33W

Recorded By : R. FRANKLIN
Witnessed By : C. COUNTS

Date : OCT 01 2010
Run No. : 1

Permanent Datum :	GL	
Drilling Measured From :	GL	
Log Measured From:	GL	
Above Permanent Datum :	0.000	FT
Depth--Driller :	450.0	FT
Depth--Logger :	449.0	FT
Bottom Log Interval :	426.0	FT
Top Log Interval :	23.0	FT
Casing Depth--Driller:	22.0	FT
Casing Depth--Logger :	23.0	FT
Casing Diameter :	7.000	IN
Bit Size :	6.125	IN
Unit No. :	120	
Location :	TULSA	

Elevations :

KB :		FT
DF :		FT
GL :	895.00	FT

Additional Services

PIT

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 aforesaid.

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	60	F
RM at BHT :	8.160	OHMM at	75	F
RMF Source :	CALCULATED			
RMF :	8.500	OHMM at	60	F
RMF at BHT :	6.940	OHMM at	75	F
RMC Source :	CALCULATED			
RMC :	11.500	OHMM at	60	F
RMC at BHT :	9.390	OHMM at	75	F
Max Recorded Temp. :			75	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
LDTNG	LDP-DA-66
PIT_B	PIT-BA-20

Casing Strings

Size (IN)	Weight (LB/FT)	Bottom (FT)
.000	20.00	22.00

- Comments -

ALL PRESENTATIONS AS PER CUSTOMER REQUEST.

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

GRT: GRP.
CNT: PHIN, CLCDIN.
LDT: PORD, LCOR, PECLN, CLLDIN, LDENN, PORLLS, PECSN.
DIT: ILD, ILM, CIRD, SFLA, SPU.
MINERAL VOLUME: VMS1, VMS3.

OPERATORS:
S. DAVIS
M. GARNER

THANK YOU FOR USING TUCKER WIRELINE SERVICES!

Tool String Schematic

Total Tool Length	43.49 ft.
Maximum Outside diameter	4.80 in.
Net Weight in Air	243.00 lbs.

Tool Zero
5.40 ft.
14.70 ft.
22.00 ft.
43.49 ft.

Tool: GRTB Length: 5.40 ft. O.D.: 3.60 in.
Sonde ID : GRT 80 41

Measure Point	Stack Offset	Tool Offset	Bottom Offset
GRP	2.00	2.00	41.49

Tool: CN Length: 9.30 ft. O.D.: 4.50 in.
Sonde ID : CNP 00 112
Source ID : N 1046
Pad ID : CNP 00 112

Measure Point	Stack Offset	Tool Offset	Bottom Offset
CLCN	9.40	4.00	34.09
PHIN	10.24	4.84	33.25

Tool: CDNS Length: 7.30 ft. O.D.: 4.80 in.
Sonde ID : CDP 00 66
Source ID : 2991GW
Pad ID : CDP 00 66

Measure Point	Stack Offset	Tool Offset	Bottom Offset
CLLD	18.70	4.00	24.79
PE	19.70	5.00	23.79
PES	20.10	5.40	23.39
CDEN	19.70	5.00	23.79
LCOR	19.70	5.00	23.79

Tool: DIL Length: 21.49 ft. O.D.: 3.62 in.
Sonde ID : DIL 00 29

Measure Point	Stack Offset	Tool Offset	Bottom Offset
ILD	30.93	8.93	12.56
ILM	32.10	10.10	11.39
SFLU	39.49	17.49	4.00
SP	42.60	20.60	0.89

TENSION
LBS
10000 0

BIT SIZE
INCHES (IN)
4 14

DENSITY (X) CALIPER
INCHES (IN)
14 24
4 14

PE CROSS SECTION
BARNS/ELECTRON
0 10

DENSITY CORRECTION
G/CC
0.25 0.25

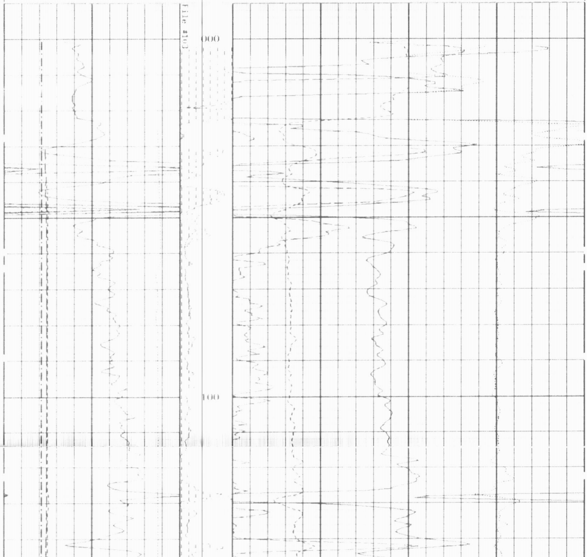
NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

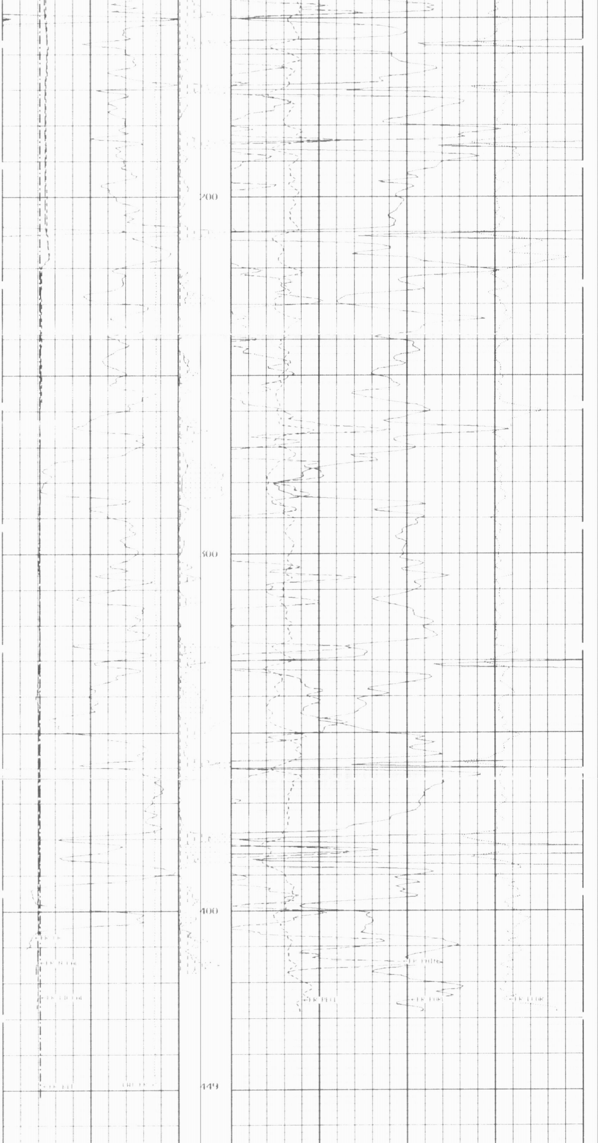
NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 10

GAMMA RAY
API UNITS
200 400
0 200

DENSITY POROSITY
PERCENT (2.71 g/cc)
70 30
30 10

1:240 MAIN SECTION





File #103

1:240 MAIN SECTION

GAMMA RAY
API UNITS
200 400
0 200

Volume
Dolo/Shale

DENSITY POROSITY
PERCENT (2.71 g/cc)
70 30
30 10

NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

Volume
Calcite

NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 10

DENSITY (X) CALIPER
INCHES (IN)
14 24
4 14

Volume
Quartz

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 I

Matrix Density	2.71 G/C3
Fluid Density	1.00 G/C3
Formation Matrix	Limestone
Drill Bit Size	6.125 IN
Casing Correction (PHIN)	Disable

TENSION
LBS
10000 0

BIT SIZE
INCHES (IN)
4 14

DENSITY (X) CALIPER
INCHES (IN)
14 24
4 14

Volume
Quartz

PE CROSS SECTION
BARNS/ELECTRON
0 10

DENSITY CORRECTION
G/CC
0.25 0.25

NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

Volume
Calcite

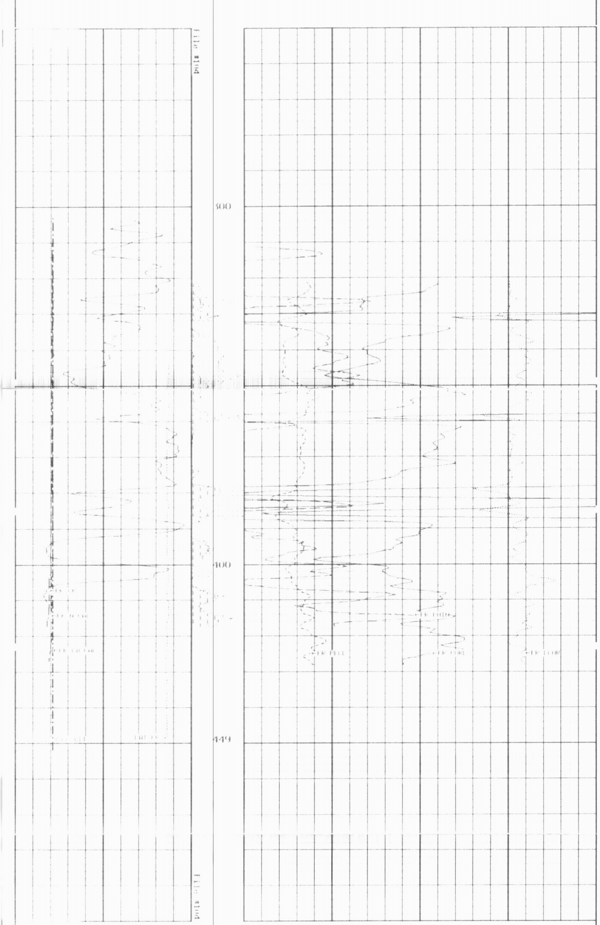
NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 10

GAMMA RAY
API UNITS
200 400
0 200

Volume
Dolo/Shale

DENSITY POROSITY
PERCENT (2.71 g/cc)
70 30
30 10

1:240 REPEAT SECTION



1:240 REPEAT SECTION

GAMMA RAY
API UNITS
200 400
0 200

Volume
Dolomite

DENSITY POROSITY
PERCENT (2.71 g/cc)
70 30
30 10

NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

Volume
Calcite

NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 10

DENSITY (X) CALIPER
INCHES (IN)
14 24
4 14

Volume
Quartz

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 F

Matrix Density	2.71 G/CC
Fluid Density	1.00 G/CC
Formation Matrix	Limestone
Drill Bit Size	6.125 IN
Casing Correction (PHI N)	Disabled

TENSION
LBS
10000 0

BIT SIZE
INCHES (IN)
4 14

DENSITY (X) CALIPER
INCHES (IN)
14 24
4 14

PE CROSS SECTION
BARNS/ELECTRON
0 10

DENSITY CORRECTION
G/CC
0.25 0.25

NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

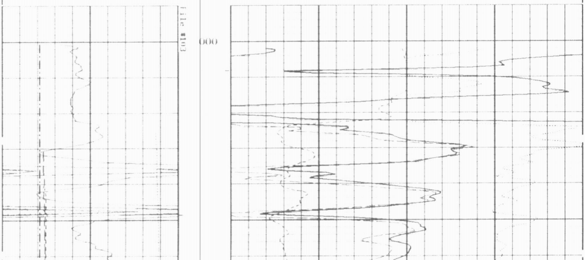
DENSITY POROSITY
PERCENT (2.71 g/cc)
30 10

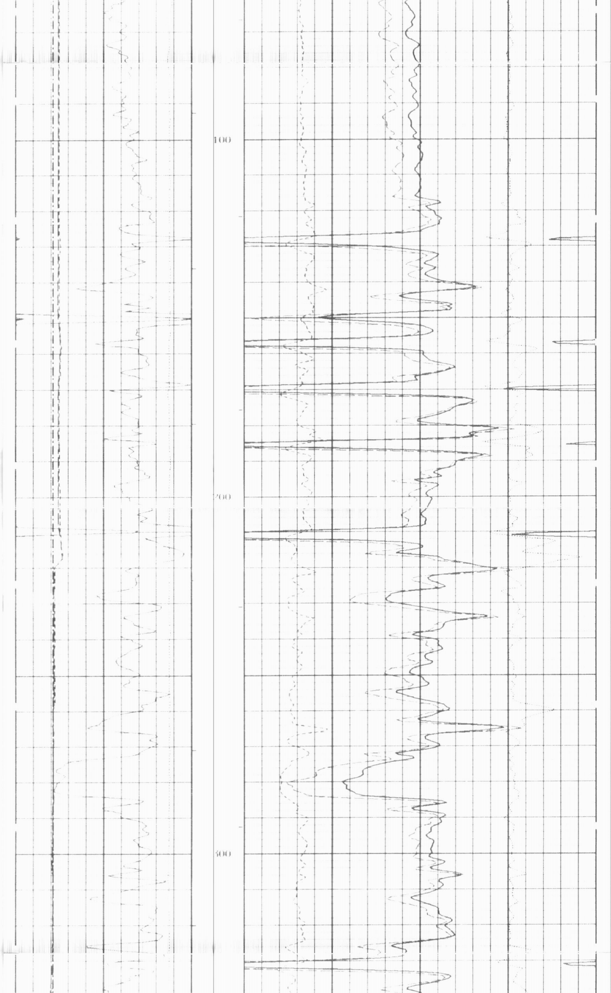
GAMMA RAY
API UNITS
200 400
0 200

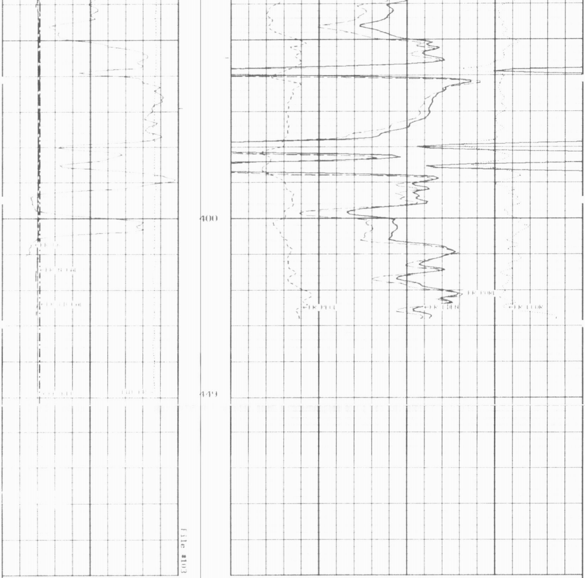
BHV BHV
10.FT

COMPENSATED BULK DENSITY
G/CC
3.0 4.0
2.0 3.0
1.0 2.0

1:240 MAIN SECTION
BULK DENSITY







1:240 MAIN SECTION
BULK DENSITY

GAMMA RAY
API UNITS
200 400
0 200

-BHV BHV-
10.FT

COMPENSATED BULK DENSITY
G/CC
3.0 4.0
2.0 3.0
1.0 2.0

NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

DENSITY POROSITY
PERCENT (2.71 g/cc)
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  F

   Matrix Density                                2.71   G/CC
   Fluid Density                                 1.00   G/CC
   Formation Matrix                           Limestone
   Drill Bit Size                                6.125  IN
   Casing Correction (PHIE-ND)                  Disable


                    * Calibration Summary *

                       Shop Calibration
                             GRTB
     Performed : 28 Sep 2010            Time : 11:07
 Sensor Serial : GR 1085                   ID : GRT BC 41

                  Measured     Units        Calibrated      Units
        Background      Avg                    Avg
GR              46       346    CPS              175          GAPI

                       Shop Calibration
                             CNT
     Performed : 03 Sep 2010            Time : 10:01
 Sensor Serial : BBU 1010                  ID : CNT on 112
     Source ID : [illegible]

                      Tank                Verification         Units
              Measured    Calibrated          Avg
NCR            4.0559       3.6889          3.6920
Porosity         20.5         20.5            20.6               %

     Performed : 03 SEP 2010            Time : 11:56
 Sensor Serial : [illegible]               ID : CNT on 112

                 Avg    Measured            Avg    Calibrated   Units
              Ring#1   Ring#2             Ring#1   Ring#2
CL #1           11.5     16.3                6.0     12.0        IN.

                       Shop Calibration
                            LDTNG
     Performed : 15 JUN 2010            Time : 12:11
 Sensor Serial : [illegible]               ID : LDT [illegible]

                 Avg    Measured            Avg    Calibrated   Units
              Ring#1   Ring#2             Ring#1   Ring#2
CL #1           10.2     15.5                6.0     12.0        IN.

     Performed : 29 Sep 2010            Time : 10:11
 Sensor Serial : [illegible]               ID : LDT [illegible]
     Source ID : [illegible]

                             Short Space
             BKGD          Al          Mg         Al+Fe        Units
SSW1          620        1118        1801          255          CPS
SSW2           74        1352        2149          902          CPS
SSW3          236        3152        5125         2212          CPS
SSW4          346        2828        4023         2902          CPS
SSW5           57          60          66           52          CPS
SSW6          201          57          56           55          CPS
SSW7          520          65          65           64          CPS
SSW8            2           4           6            4          CPS
[illegible] 0.213      0.212       0.208        0.195
[illegible]                        2.228        5.967
[illegible]            2.600       1.680                        G/CC

                              Long Space
             BKGD          Al          Mg         Al+Fe        Units
LSW1          167        1109        4238          215          CPS
LSW2          119        2210        8658         1967          CPS
LSW3          148        4351       16044         5688          CPS
LSW4          530        2609        6515         1060          CPS
LSW5           65          74         135           72          CPS
LSW6          132         129         169          180          CPS
LSW7          116         113         111          113          CPS
LSW8            3           7          19            6          CPS
DT          0.234       0.236       0.202        0.224
[illegible]                        2.692        5.958
[illegible]            2.600       1.680                        G/CC
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