Released 11/03/2009

~~CONFIDENTIAL~~

217-22262

Tucker
WIRELINE SERVICES

COMPENSATED NEUTRON
PEL DENSITY LOG

RECEIVED
NOV 03 2008
Oil & Gas Council

File No. : TUL-52932
Company : RUNNING FOXES PETROLEUM
Well : STONER #13-6D-1
Field :
County : VERNON
State : MISSOURI
Country : U.S.A.

Location :

Sect : 6 Twp : 36N Rge : 33W

Recorded By : C. GREEVER
Witnessed By : J. TAGLIERI

Date : JUN 28 2008
Run No. : 1

Permanent Datum :	GL	
Drilling Measured From :	GL	
Log Measured From:	GL	
Above Permanent Datum :	0.00	FT
Depth--Driller :	430.0	FT
Depth--Logger :	430.0	FT
Bottom Log Interval :	429.0	FT
Top Log Interval :	0.0	FT
Casing Depth--Driller:	22.0	FT
Casing Depth--Logger :	22.0	FT
Casing Diameter :	7.000	IN
Bit Size	6.250	IN
Unit No.	122	
Location	TULSA	

Elevations :
KB : 0.00 FT
DF : 0.00 FT
GL : 886.00 FT

Additional Services

CST
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 :	NATIVE WATER			
Density :	0.000	LBS/GAL		
Viscosity :	0.000	SEC		
pH :	0.000			
Fluid Loss :	0.000	CC		
Salinity :	0.000			
RM Source :	N/A			
RM :	0.000	OHMM at	0	F
RM at BHT :	0.000	OHMM at	73	F

RMF Source :	N/A			
RMF :	0.000	OHMM at	0	F
RMF at BHT :	0.000	OHMM at	73	F
RMC Source :	N/A			
RMC :	0.000	OHMM at	0	F
RMC at BHT :	0.000	OHMM at	73	F
Max Recorded Temp. :			73	F
Time Circulation Stopped :				
Operating Rig Time, Hrs. :			4.0	

- Source Serial Numbers -

Gamma	CSV587
Neutron	N907

- Sonde Serial Numbers -

GRTB	GRT-BA-103
CNT	CNT-AA-113
LDTNG	LDP-NG-35

Casing Strings

Size (IN)	Weight (LB/FT)	Bottom (FT)
7.000	28.00	22.00

- Comments -

ALL PRESENTATIONS AS PER CUSTOMER REQUEST.

GRT, CST, PIT RAN IN COMBINATION.
GRT, LDT, CNT, RAN 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 4.5" PRODUCTION CASING.
SPU, AND SFLAEC SPIKE DUE TO LARGE AMOUNTS OF OIL IN WELL BORE.

GRT: GRP.
CNT: PHIN, CLCNIN, PHINLS.
LDT: PORL, LCOR, PECL, CLLDIN, LDEN, PORLLS, PECS.
PIT: ILD, ILM, CIRD, SPU, SFLAEC.
CST: CDDTF, PORS, ITT.

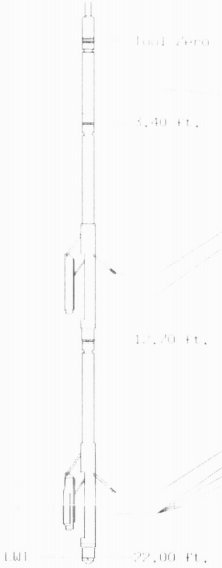
OPERATORS:

J. COLWILL
L. BARTO

THANK YOU FOR USING TUCKER WIRELINE SERVICES!

Tool String Schematic

Total Tool Length	22.00	ft.
Maximum Outside diameter	4.80	in.
Net Weight in Air	513.00	lbs.



Tool: GRTB Length: 3.40 ft. O.D.: 3.60 in.
Sonde ID : GRT-BA-103

Measure Point	Stack Offset	Tool Offset	Bottom Offset
GRP	2.00	2.00	20.00

Tool: CNT Length: 9.30 ft. O.D.: 4.36 in.
Sonde ID : CNT-AA-113
Source ID : N902
Pad ID : CNP-AA-113

Measure Point	Stack Offset	Tool Offset	Bottom Offset
CLCN	9.40	6.00	12.60
PHIN	10.24	6.84	11.76

Tool: LDTNG Length: 9.30 ft. O.D.: 4.80 in.
Sonde ID : LDP-NG-35
Source ID : CSV587
Pad ID : LDP-NG-35

Measure Point	Stack Offset	Tool Offset	Bottom Offset
CLLD	18.70	6.00	3.30
PEL	19.70	7.00	2.30
PES	20.10	7.40	1.90
LDEN	19.70	7.00	2.30
LCOR	19.70	7.00	2.30

TENSION
LBS
10000 0

BIT SIZE
INCHES (IN)
4 14

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

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

GAMMA RAY
API UNITS
200 400
0 200

-BHV AHV-
CU.FT

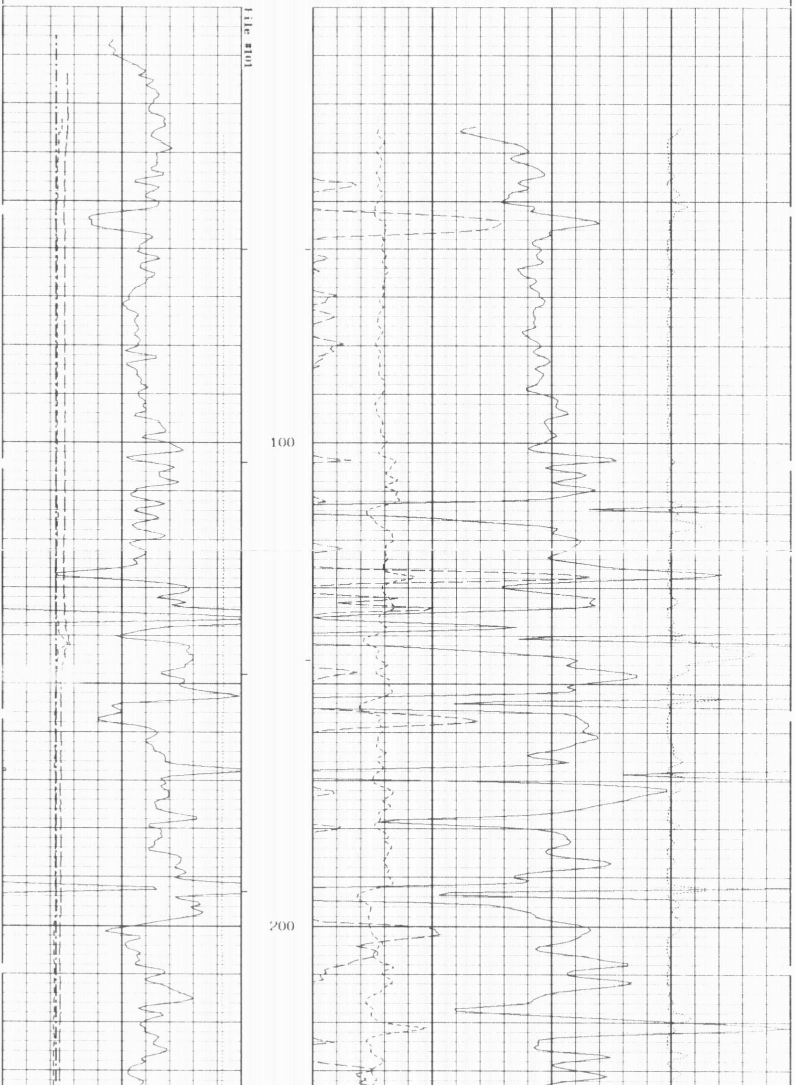
PE CROSS SECTION
BARNS/ELECTRON
0 10

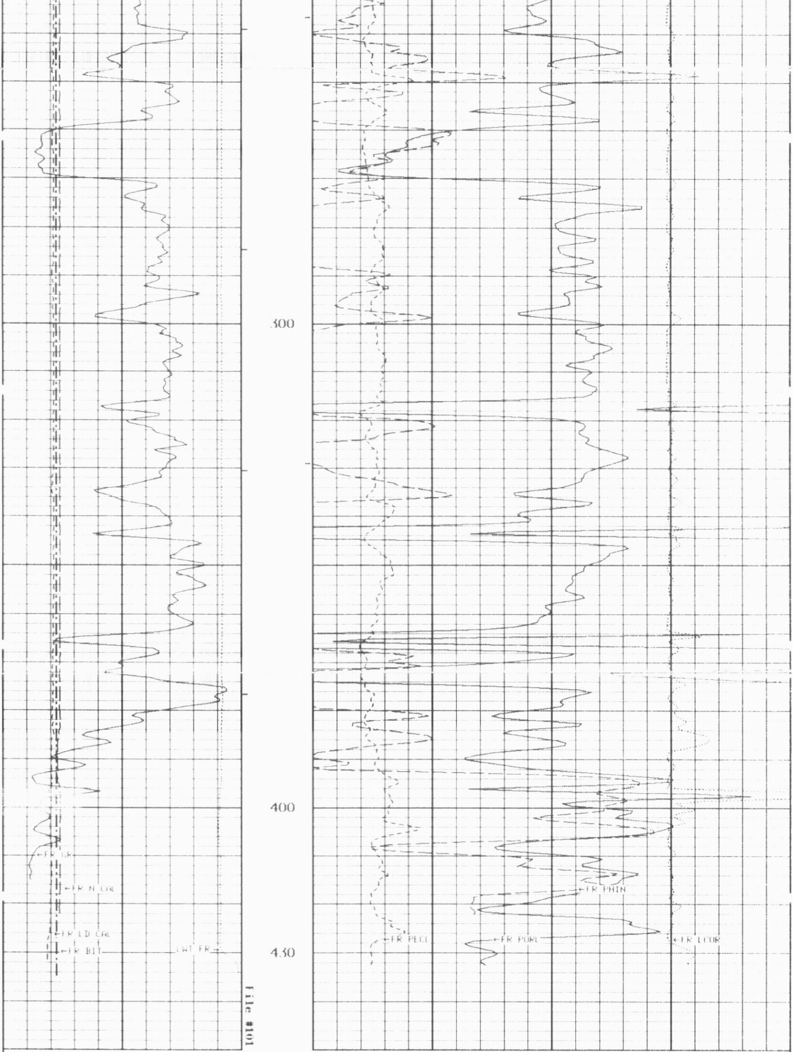
DENSITY CORRECTION
G/CC
0.25 0.25

NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 10

DENSITY POROSITY
PERCENT (2.71 g/cc)
70 30
30 10
-10 50

1:240 MAIN SECTION





1:240 MAIN SECTION

GAMMA RAY
API UNITS
200 400
0 200

-BHV AHV-
CU.FT

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

Matrix Density	2.71	G/C3
Fluid Density	1.00	G/C3
Formation Matrix	Limestone	
Drill Bit Size	6.250	IN
Production Casing Diameter	4.500	IN
Casing Correction (PHI N)	Disable	

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

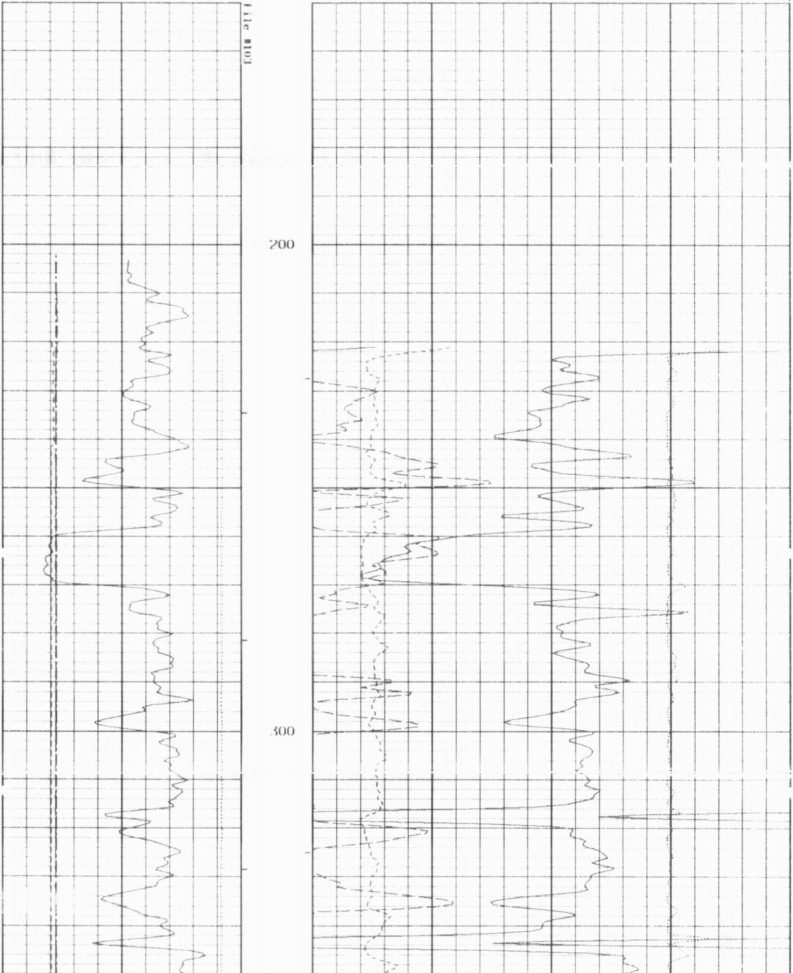
NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 10

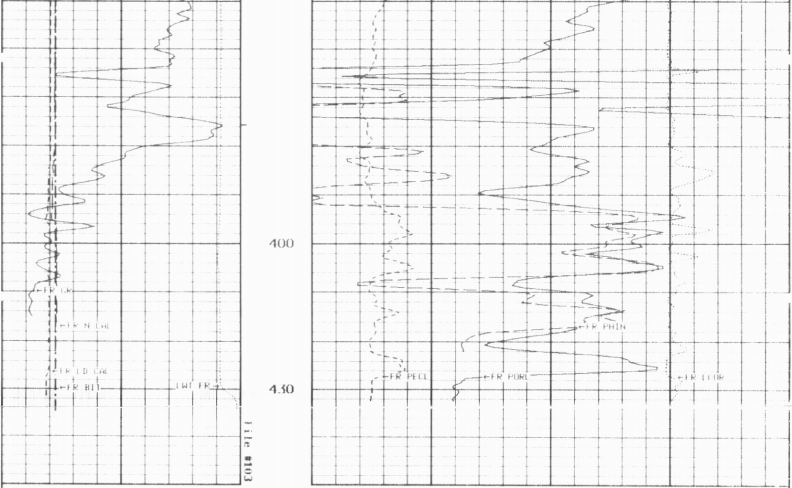
GAMMA RAY
API UNITS
200 400
0 200

-BHV AHV-
CU.FT

DENSITY POROSITY
PERCENT (2.71 g/cc)
70 30
30 10
10 50

1:240 REPEAT SECTION





1:240 REPEAT SECTION

GAMMA RAY
API UNITS
200 400
0 200

-BHV HHV-
CU.FT

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

    Matrix Density                                     2.71    G/C3
    Fluid Density                                      1.00    G/C3
    Formation Matrix                              Limestone
    Drill Bit Size                                     6.250   IN
    Production Casing Diameter _______                 4.500   IN
    Casing Correction (PHI N) _______                Disable
```

* Calibration Summary *

```
                          Shop Calibration
                                GRTB
     Performed : 19 May 2008                  Time : 10:16
  Sensor Suite : GR GR5                         ID : GRT-BA-103

                       Measured       Units        Calibrated        Units
          Background        Jig                        Jig
GR                51        341       CPS              175           GRAPI
```

```
                          Shop Calibration
                                CNT
     Performed : 24 Jun 2008                  Time : 12:05
  Sensor Suite : BHC NEUT                       ID : CNP-AA-113
     Source ID : N907

                         Tank                  Verification          Units
                 Measured     Calibrated           Jig
N/F               3.5455        3.6895           3.7159
Porosity           18.4          20.5             20.9                 %

     Performed : 00 XXX 0000                  Time : 00:00
  Sensor Suite : CALI-BCN                       ID : CNT-AA-113

                    Jig - Measured              Jig - Calibrated   Units
                 Ring#1   Ring#2              Ring#1   Ring#2
11 # 1              5.3     11.3                 6.0     12.0        IN.
```

TENSION
LBS
10000 0

BIT SIZE
INCHES (IN)
4 14

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

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

GAMMA RAY
API UNITS
200 400
0 200

-BHV AHV-
CU.FT

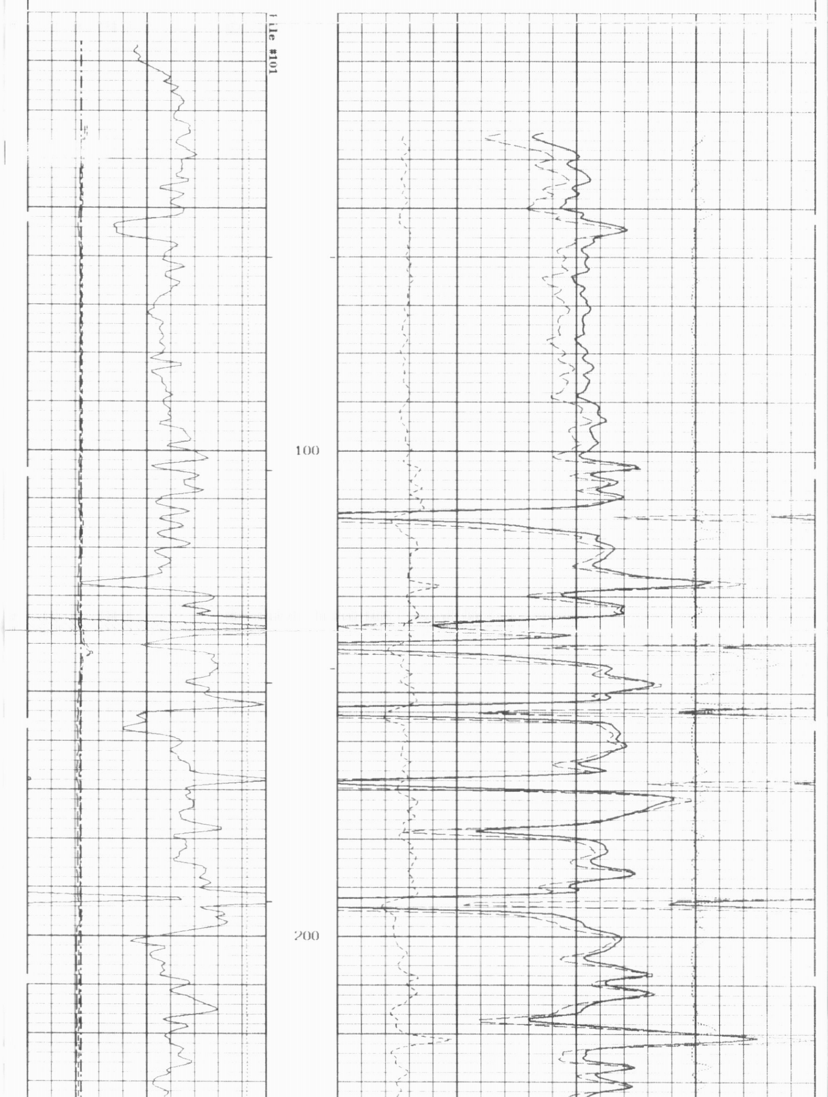
PE CROSS-SECTION
BARNS/ELECTRON
0 10

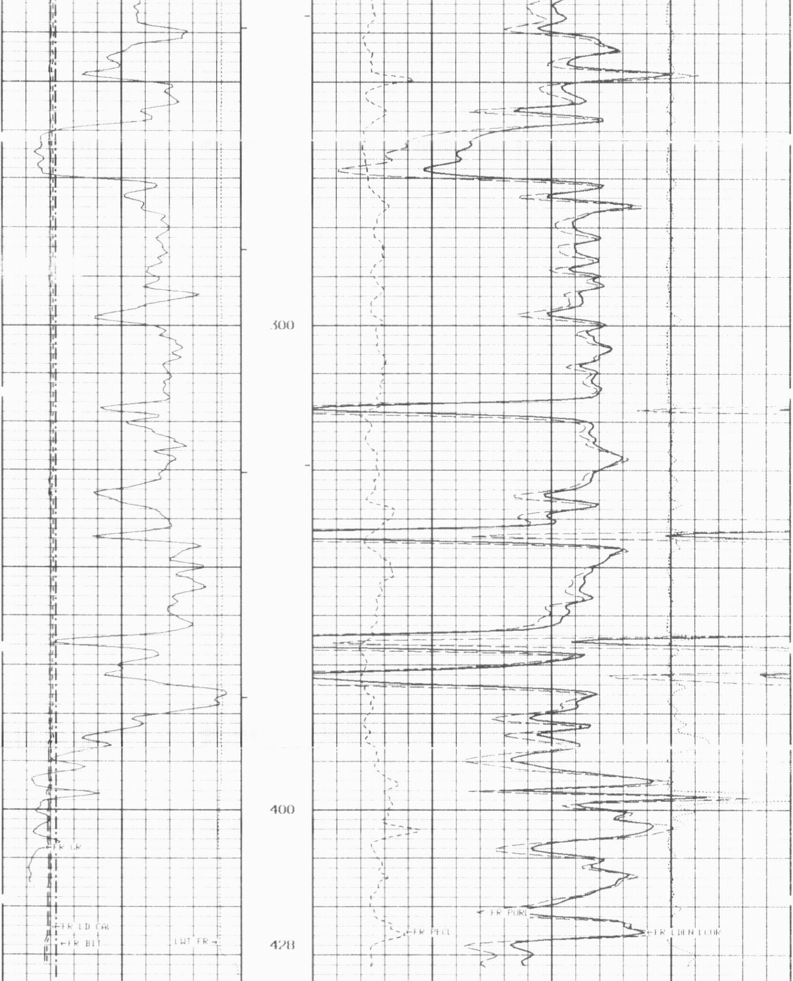
DENSITY CORRECTION
G/CC
-0.25 0.25

DENSITY POROSITY
PERCENT (2.71 g/cc)
70 30
30 10
-10 50

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 AHV-
CU.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)
70 30
30 10
10 50

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/C3
    Fluid Density _______________________        1.00   G/C3
    Formation Matrix_____________________   Limestone
    Drill Bit Size ______________________        6.250  IN
    Production Casing Diameter __________        4.500  IN
    Casing Correction (PHI N)____________     Disable
```

* Calibration Summary *

```
                          Shop Calibration
                                GRTB
     Performed : 19 May 2008              Time : 10:16
  Sensor Suite : GR GR5                     ID : GRT-BA-103

                     Measured        Units        Calibrated       Units
           Background        Jig                      Jig
GR                 51        341     CPS              175          GRAPI
```

```
                          Shop Calibration
                                CNT
     Performed : 24 Jun 2008              Time : 12:05
  Sensor Suite : BHC NEUT                   ID : CNP AA 113
     Source ID : N907

                     Tank                 Verification          Units
               Measured    Calibrated         Jig
N/F             3.5455      3.6895          3.7159
Porosity          18.4        20.5            20.9                %

     Performed : 00 XXX 0000              Time : 00:00
  Sensor Suite : CALI BCN                   ID : CNT AA 113
```

```
                 Jig   Measured              Jig - Calibrated   Units
               Ring#1  Ring#2              Ring#1  Ring#2
C1  # 1           5.3    11.3                 6.0    12.0        IN.
```

```
                          Shop Calibration
                               LDTNG
      Performed : 02-FEB-2008                Time : 04:41
   Sensor Suite : CALIPER                      ID : LDP-NG-35

                 Jig   Measured              Jig - Calibrated   Units
               Ring#1  Ring#2              Ring#1  Ring#2
C1  # 1          11.8    17.8                 6.0    12.0        IN.

      Performed : 23 Jun 2008                Time : 09:19
   Sensor Suite : BHCPELNG                     ID : LDP-NG-35
      Source ID : CSV587

                              Short Space
                 BKGD           Al            Mg          Al+Fe      Units
LSW1               78          510           824            346        CPS
LSW2               80          625          1002            446        CPS
LSW3              306         1527          2391           1309        CPS
LSW4              388         1422          1977           1270        CPS
LSW5               38           48            49             47        CPS
LSW6               97           98            97            100        CPS
LSW7               64           64            64             65        CPS
LSW8                2            3             4              3        CPS
QS              0.209        0.206         0.204          0.213
PFS                                        2.570          6.180
SSDN                         2.600         1.680                      G/CC

                               Long Space
                 BKGD           Al            Mg          Al+Fe      Units
LLW1              120          549          2162            362        CPS
LLW2              127         1058          4345            251        CPS
LLW3              498         2192          2978           1903        CPS
LLW4              649         1292          3268           1198        CPS
LLW5               71           77            91             74        CPS
LLW6              207          202           195            204        CPS
LLW7              130          130           122            130        CPS
LLW8                4            6            12              6        CPS
QL              0.226        0.216         0.229          0.220
PFL                                        2.570          6.180
LSDN                         2.600         1.680                      G/CC
```