#22415

Tucker
WIRELINE SERVICES

COMPENSATED NEUTRON
PEL DENSITY LOG

! **CONFIDENTIAL** until 2-11-11

RECEIVED
FEB 11 2010
Mo Oil & Gas Council

File No. : TUL-34819
Company : RUNNING FOXES PETROLEUM, INC.
Well : STONER #11-7D-3
Field : WILDCAT
County : VERNON
State : MISSOURI
Country : U.S.A.

Location : PERMIT # 22415
1400' FSL & 2060' FWL
SE NE SW

Sect : 07 Twp : 36N Rge : 33W

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

Date : JUL 16 2009
Run No. : 1

Permanent Datum : GL
Drilling Measured From : GL
Log Measured From: GL
Above Permanent Datum : 0.00 FT

Depth--Driller : 334.0 FT
Depth--Logger : 334.0 FT
Bottom Log Interval : [illegible] FT
Top Log Interval : 22.0 FT

Casing Depth--Driller: 22.0 FT
Casing Depth--Logger : 22.0 FT
Casing Diameter : 7.000 IN

Bit Size 5.875 IN
Unit No. : 133
Location : TULSA

Elevations :
KB : FT
DF : FT
GL : 853.00 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 : FRESH / NATIVE
Density : 0.000 LBS/GAL
Viscosity : 0.000 SEC
pH : 0.000
Fluid Loss : 0.000 CC
Salinity : 0.000

RM Source : MEASURED

RM :	10.000	OHMM at	85	F
RM at BHT :	10.760	OHMM at	78	F
RMF Source :	CALCULATED			
RMF :	8.500	OHMM at	85	F
RMF at BHT :	9.150	OHMM at	78	F
RMC Source :	CALCULATED			
RMC :	11.500	OHMM at	85	F
RMC at BHT :	12.380	OHMM at	78	F
Max Recorded Temp. :			78	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-14
PIT_B	PIT-BA-21

Casing Strings

Size (IN)	Weight (LB/FT)	Bottom (FT)
7.000	40.00	22.00

- 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 G/CC USED TO CALCULATE POROSITY.
ANNULAR HOLE VOLUME CALCULATED USING 2.875" PRODUCTION CASING.

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

OPERATORS:

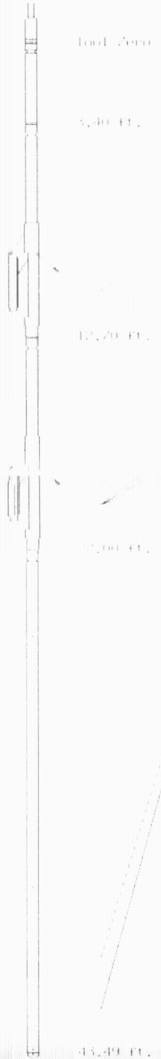
S. DAVIS

THANK YOU FOR USING TUCKER WIRELINE SERVICES!

Tool String Schematic

Total Tool Length 43.49 ft.
Maximum Outside diameter 4.10 in.

Net Weight in Air 243.00 lbs.



Tool: GRTB Length: 5.40 ft. O.D.: [illegible] in.
Sonde ID : [illegible]

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

Tool: CNT Length: 6.80 ft. O.D.: [illegible] in.
Sonde ID : [illegible] 112
Source ID : N 1046
Pad ID : [illegible] 112

Measure Point	Stack Offset	Tool Offset	Bottom Offset
[illegible]	9.40	4.00	34.09
PHIN	10.24	4.84	33.25

Tool: LDT Length: 9.80 ft. O.D.: 4.00 in.
Sonde ID : [illegible] 14
Source ID : [illegible]
Pad ID : [illegible] 14

Measure Point	Stack Offset	Tool Offset	Bottom Offset
[illegible]	18.20	6.00	25.29
PE	19.94	7.74	23.55
PES	19.94	7.74	23.55
[illegible]	19.94	7.74	23.55
[illegible]	19.94	7.74	23.55

Tool: DIT Length: 21.49 ft. O.D.: [illegible] in.
Sonde ID : [illegible]

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

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

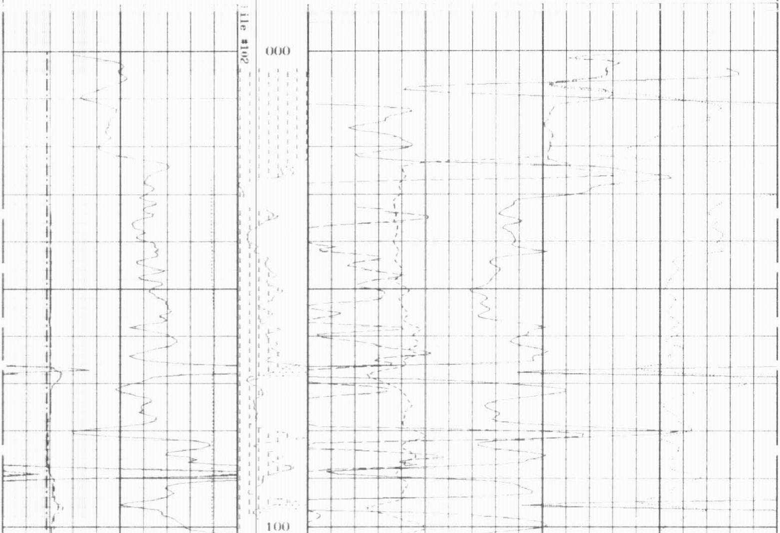
NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 10

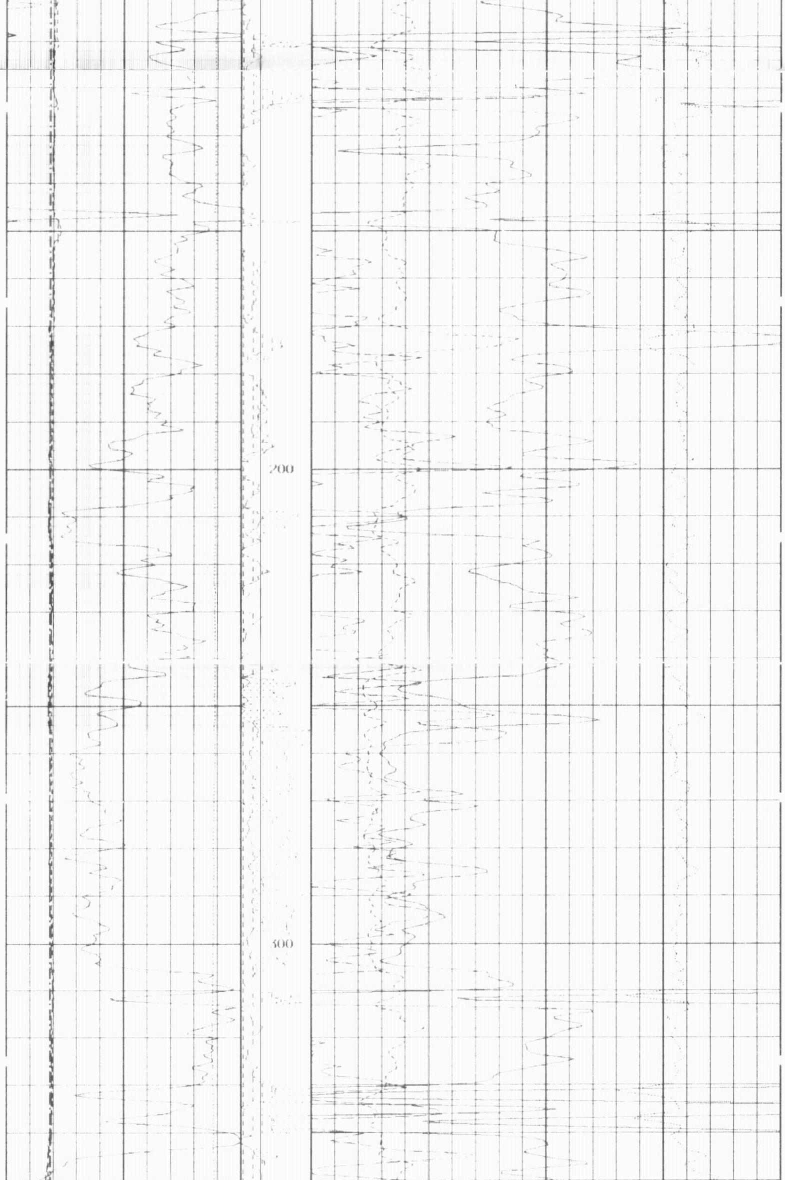
GAMMA RAY
API UNITS
200 400
0 200

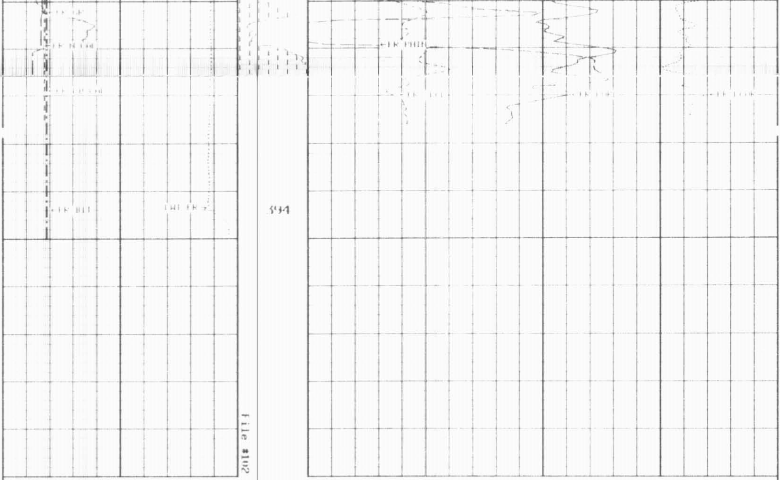
Volume
Dolo Shale

DENSITY POROSITY
PERCENT (2.71 g/cc)
20 30
30 10

1:240 MAIN SECTION







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 9999.0 to 0.0 f

Matrix Density	2.71 G/C3
Fluid Density	1.000 G/C3
Formation Matrix	Limestone
Drill Bit Size	5.875 IN
Caliper Correction (CNT-D)	Disabled

TENSION
LBS
10000 0

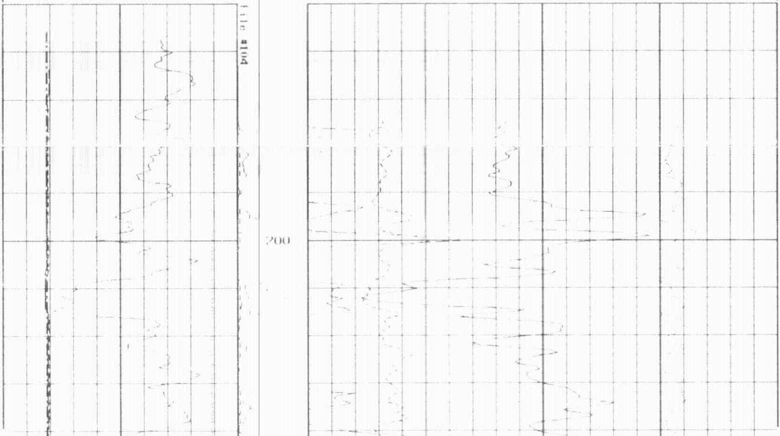
BIT SIZE
INCHES (IN)
4 14

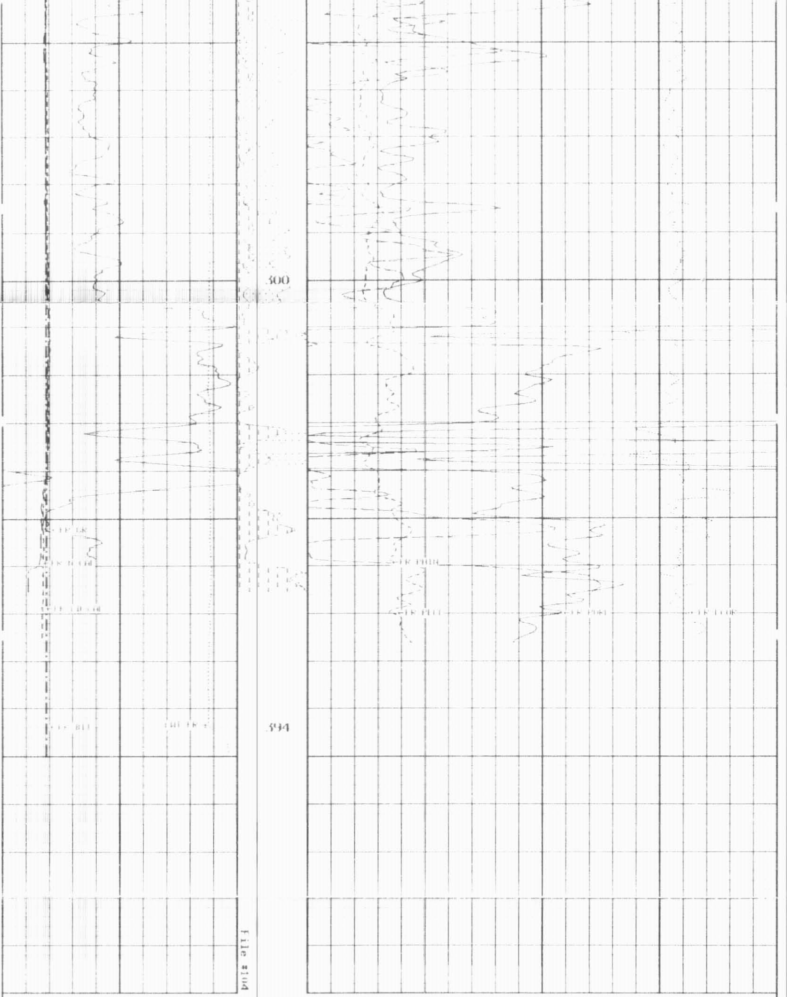
DENSITY (X) CALIPER INCHES (IN)	Volume Quartz	PE CROSS SECTION BARNS/ELECTRON	DENSITY CORRECTION G/CC
14 24 4 14		0 10	0.25 0.25

NEUTRON (Y) CALIPER INCHES (IN)	Volume Calcite	NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)
14 24 4 14		30 10

GAMMA RAY API UNITS	Volume Dolomite	DENSITY POROSITY PERCENT (2.71 g/cc)
200 400 0 200		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 9999.0 to 0.0 1

Matrix Density 2.71 G/C3
Fluid Density 1.00 G/C3
Formation Matrix Limestone
Drill Bit Size 5.875 IN
Casing Correction (THIN) 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

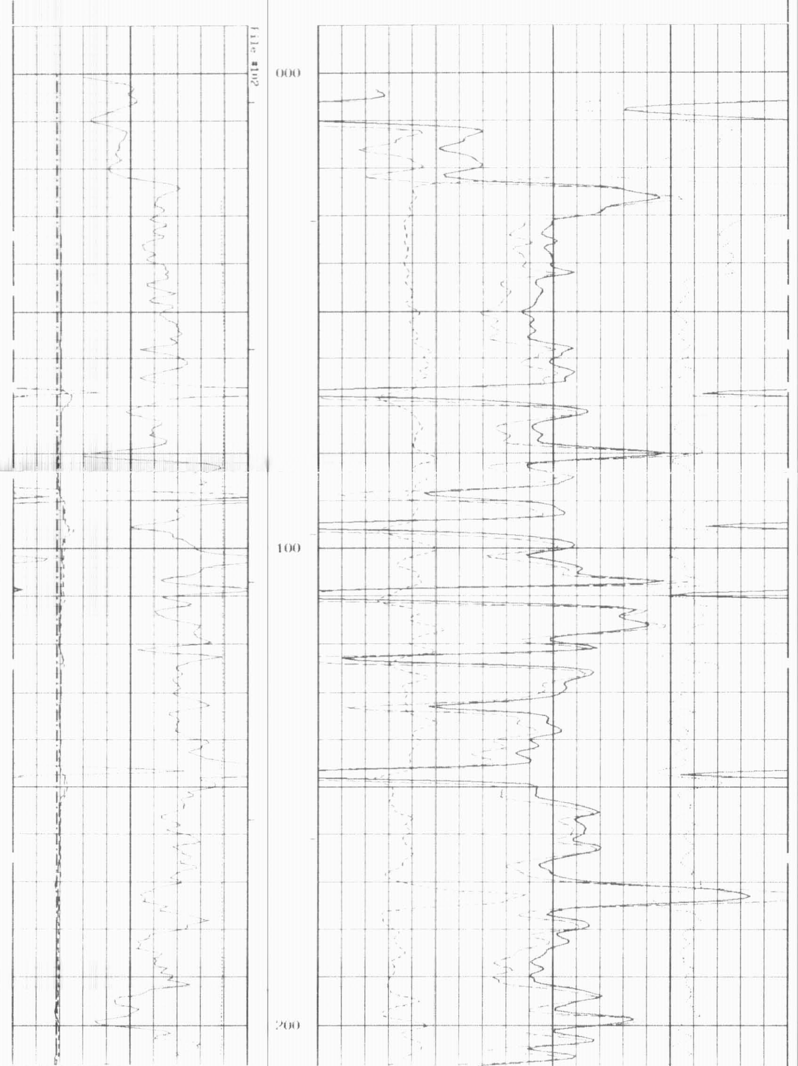
DENSITY POROSITY
PERCENT (2.71 g/cc)
30 10

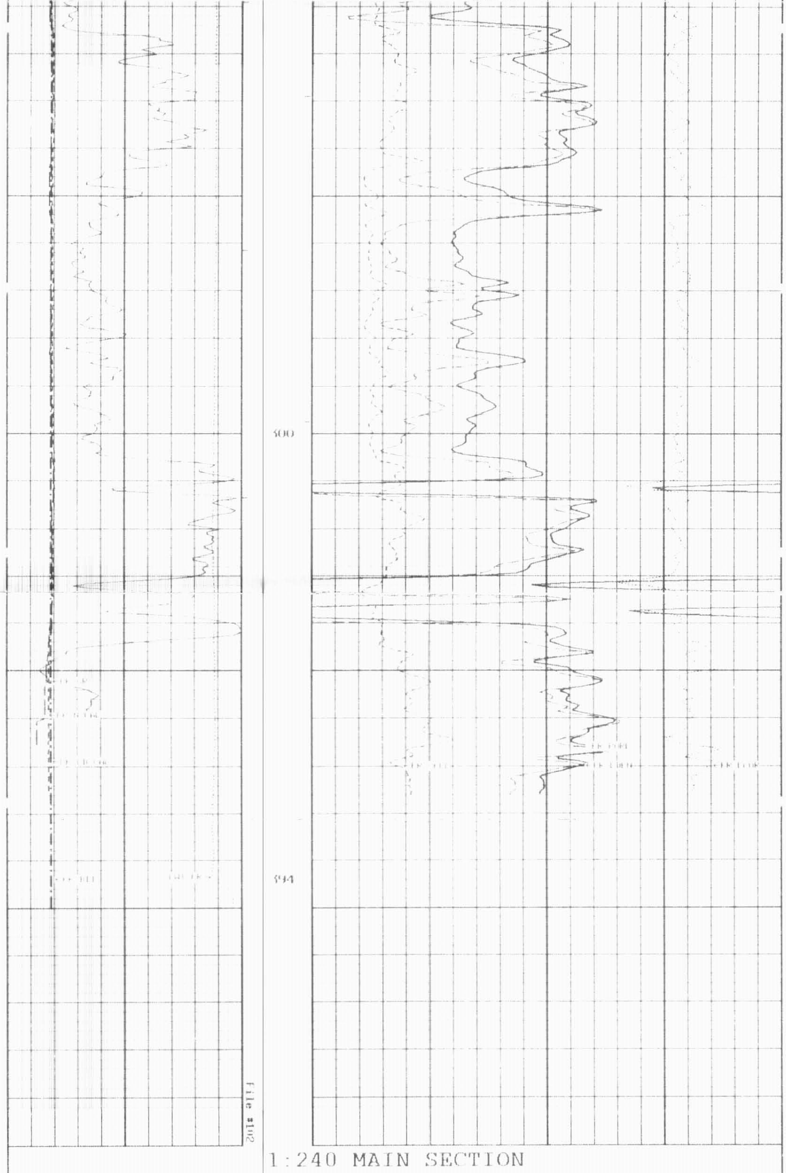
GAMMA RAY
API UNITS
200 400
0 200

-BHV BHV-
CU.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 HHV- 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) 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 9999.0 to 0.0 [illegible]

Matrix Density	2.71 G/C3
Fluid Density	1.00 G/C3
Formation Matrix	Limestone
Drill Bit Size	[illegible] IN
Casing Correction [illegible]	Disabled

* Calibration Summary *

Shop Calibration
GRTB

Performed : 24 Apr 2008 Time : 10:45
Sensor Number : [illegible] ID : [illegible]

	Background	Measured	Units	Calibrated	Units
GR	15	557	[illegible]	135	GAPI

Shop Calibration
CNT

Performed : 25 Jan 2009 Time : 11:16
Sensor Number : [illegible] ID : CNT [illegible] 112
Source ID : [illegible]

	Tank Measured	Tank Calibrated	Verification	Units
NCR	[illegible]	[illegible]	[illegible]	
Porosity	15.4	[illegible]	[illegible]	[illegible]

Performed : 26 Mar 2009 Time : 11:5[illegible]
Sensor Number : Cal 1 [illegible] ID : CNT [illegible] 112

	Measured Ring#1	Measured Ring#2	Calibrated Ring#1	Calibrated Ring#2	Units
CT # 2	5.0	11.0	6.0	12.0	IN

Shop Calibration

LDT

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   Performed : 01-Jul-2009            Time : 10:17
Service Calibr : [illegible] PEB           ID : LDT [illegible] 14
   Source ID : [illegible]

                          [illegible] Space
              BKGD          Cs           Mg       ad/Bkg      Units
LSW1            67        1423        25624         8831        CPS
LSW2            78        2430         4505         1662        CPS
LSW3           501        5310         9519         4806        CPS
LSW4   [illegible]  [illegible]  [illegible]  [illegible]        CPS
LSW5   [illegible]          49  [illegible]           48        CPS
LSW6   [illegible]         170  [illegible]  [illegible]        CPS
LSW7   [illegible]         131  [illegible]  [illegible]        CPS
LSW8             1           5  [illegible]  [illegible]        CPS
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible]                     [illegible]  [illegible]
[illegible]                     [illegible]  [illegible]              [illegible]

                          [illegible] Space
              BKGD          Cs           Mg       ad/Bkg      Units
SSW1   [illegible]  [illegible]  [illegible]  [illegible]        CPS
SSW2   [illegible]  [illegible]  [illegible]  [illegible]        CPS
SSW3   [illegible]        1100  [illegible]         1651        CPS
SSW4   [illegible]  [illegible]  [illegible]  [illegible]        CPS
SSW5   [illegible]  [illegible]  [illegible]  [illegible]        CPS
SSW6   [illegible]  [illegible]  [illegible]  [illegible]        CPS
SSW7   [illegible]  [illegible]  [illegible]  [illegible]        CPS
SSW8             1  [illegible]  [illegible]  [illegible]        CPS
[illegible] [illegible] [illegible] [illegible] [illegible]
[illegible]                     [illegible]  [illegible]
[illegible]                     [illegible]  [illegible]              [illegible]

   Performed : [illegible] 2009            Time : [illegible]
Service Calibr : [illegible] PEB              ID : LDT [illegible] 14

             [illegible]   Measured            [illegible]   Calculated   Units
             [illegible]   [illegible]         [illegible]   [illegible]
[illegible]  [illegible]   [illegible]         [illegible]   [illegible]  [illegible]
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