

Tucker
WIRELINE SERVICES

DUAL INDUCTION
RESISTIVITY LOG

File No. : TUL-55043
Company : RUNNING FOXES PETROLEUM INC.
Well : SHAW # 1-25B INJ
Field : WILDCAT
County : BOURBON
State : KANSAS
Country : U.S.A.

Location : API: #15-011-23737-00-00
310' FNL & 370' FEL
NW NE NE NE

Sect : 25 Twp : 24S Rge : 25E

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

Date : JUN 09 2010
Run No. : 1

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

Depth--Driller : 422.0 FT
Depth--Logger : 420.0 FT
Bottom Log Interval : 419.0 FT
Top Log Interval : 21.0 FT

Casing Depth--Driller: 21.0 FT
Casing Depth--Logger : 21.0 FT
Casing Diameter : 7.000 IN

Bit Size : 6.125 IN
Unit No. : TRK 123
Location : TULSA

Elevations :
KB : FT
DF : FT
GL : 871.00 FT

Additional Services
CNT
LDT

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 interpretations, 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/QT
pH : 0.000
Fluid Loss : 0.000 CC
Salinity : 0.000 KPPM

RM Source : MEASURED
RM : 10.000 OHMM at 73 F
RM at BHT : 9.410 OHMM at 78 F

RMF Source : CALCULATED
RMF : 8.500 OHMM at 73 F
RMF at BHT : 8.000 OHMM at 78 F

RMC Source : CALCULATED
RMC : 11.500 OHMM at 73 F

RMC :	11.500	OHMM at	73	F
RMC at BHT :	10.820	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
LDTNG	LDP-DA-066
PIT_B	PIT-BA-20

Casing Strings

Size (IN)	Weight (LB/FT)	Bottom (FT)
7.000	15.00	21.00

- Comments -

ALL PRESENTATIONS AS PER CLIENTS REQUEST.

GRT, CNT, LDT, AND PIT RUN IN COMBINATION.
 CALIPERS ORIENTED ON THE X-Y AXIS.
 2.71 G/CC USED TO CALCULATE POROSITY.
 ANNULAR HOLE VOLUME CALCULATED USING 2.875" PRODUCTION CASING.
 REPEAT PULLED OVER ZONE OF INTEREST.

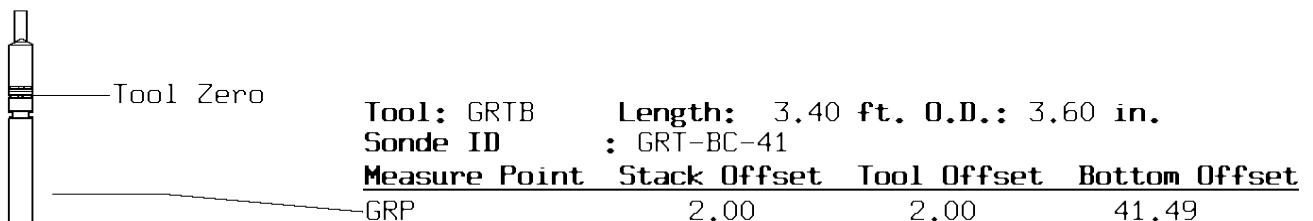
GRT: GRP.
 CNT: PHIN, PHINLS, CLCNIN.
 LDT: PORL, PORLLS, LCORN, PECLN, LDENN, CLLDIN.
 PIT: ILD, ILM, CIRD, SFLAEC, SPU.

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 - 743.00 lbs.



3.40 ft.

Tool: CNT

Length: 9.30 ft. O.D.: 4.36 in.

Sonde ID : CNP-AA-112

Source ID : N-1046

Pad ID : CNP-AA-112

Measure Point	Stack Offset	Tool Offset	Bottom Offset
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CLCN	9.40	6.00	34.09
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PHIN	10.24	6.84	33.25
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12.70 ft.

Tool: LDTNG

Length: 9.30 ft. O.D.: 4.80 in.

Sonde ID : LDP-DA-066

Source ID : 2991GW

Pad ID : LDP-DA-066

Measure Point	Stack Offset	Tool Offset	Bottom Offset
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CLLD	18.70	6.00	24.79
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PEL	19.70	7.00	23.79
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PES	20.10	7.40	23.39
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LDEN	19.70	7.00	23.79
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LCOR	19.70	7.00	23.79
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22.00 ft.

Tool: PIT

Length: 21.49 ft. O.D.: 3.62 in.

Sonde ID : PIT-BA-20

Measure Point	Stack Offset	Tool Offset	Bottom Offset
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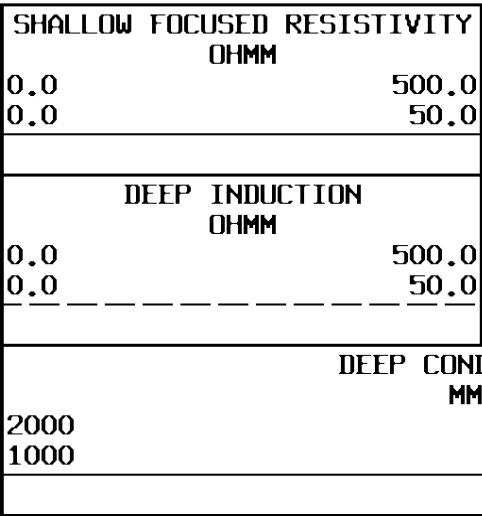
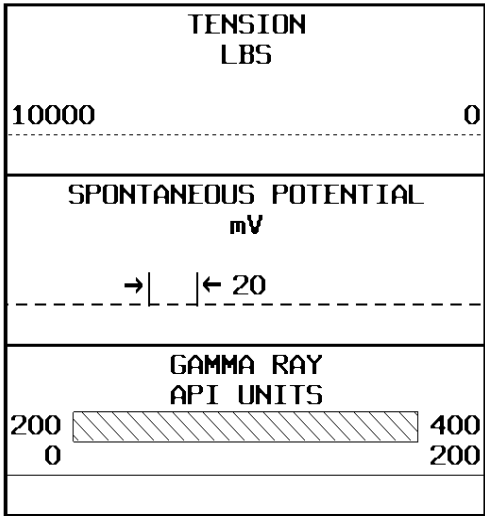
ILD	30.92	8.92	12.56
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ILM	32.10	10.10	11.39
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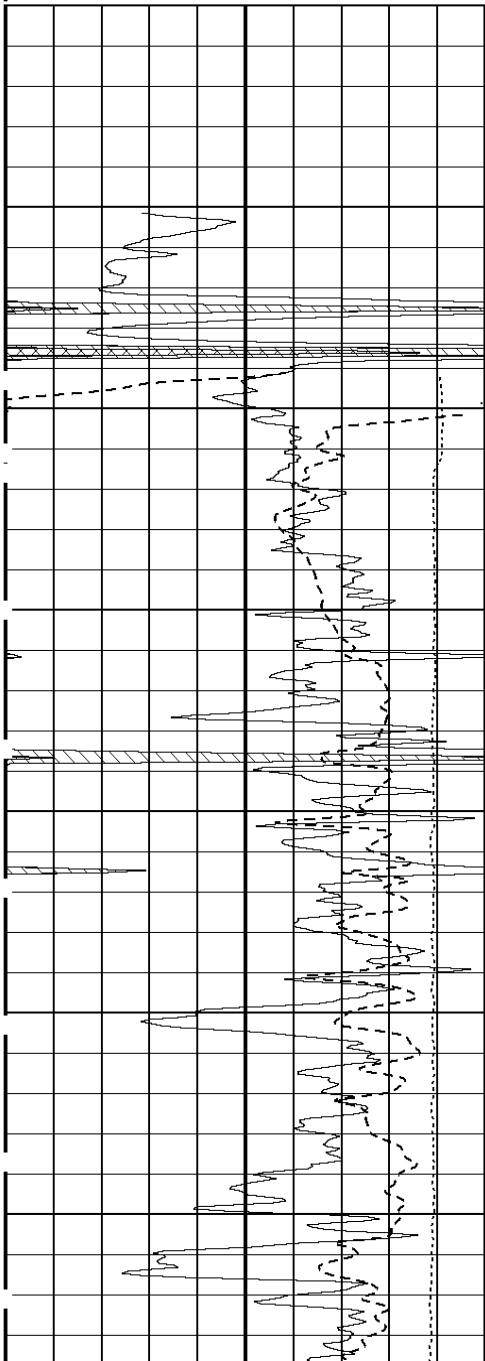
SFLU	39.49	17.49	4.00
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SP	42.60	20.60	0.88
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LWT 43.49 ft.



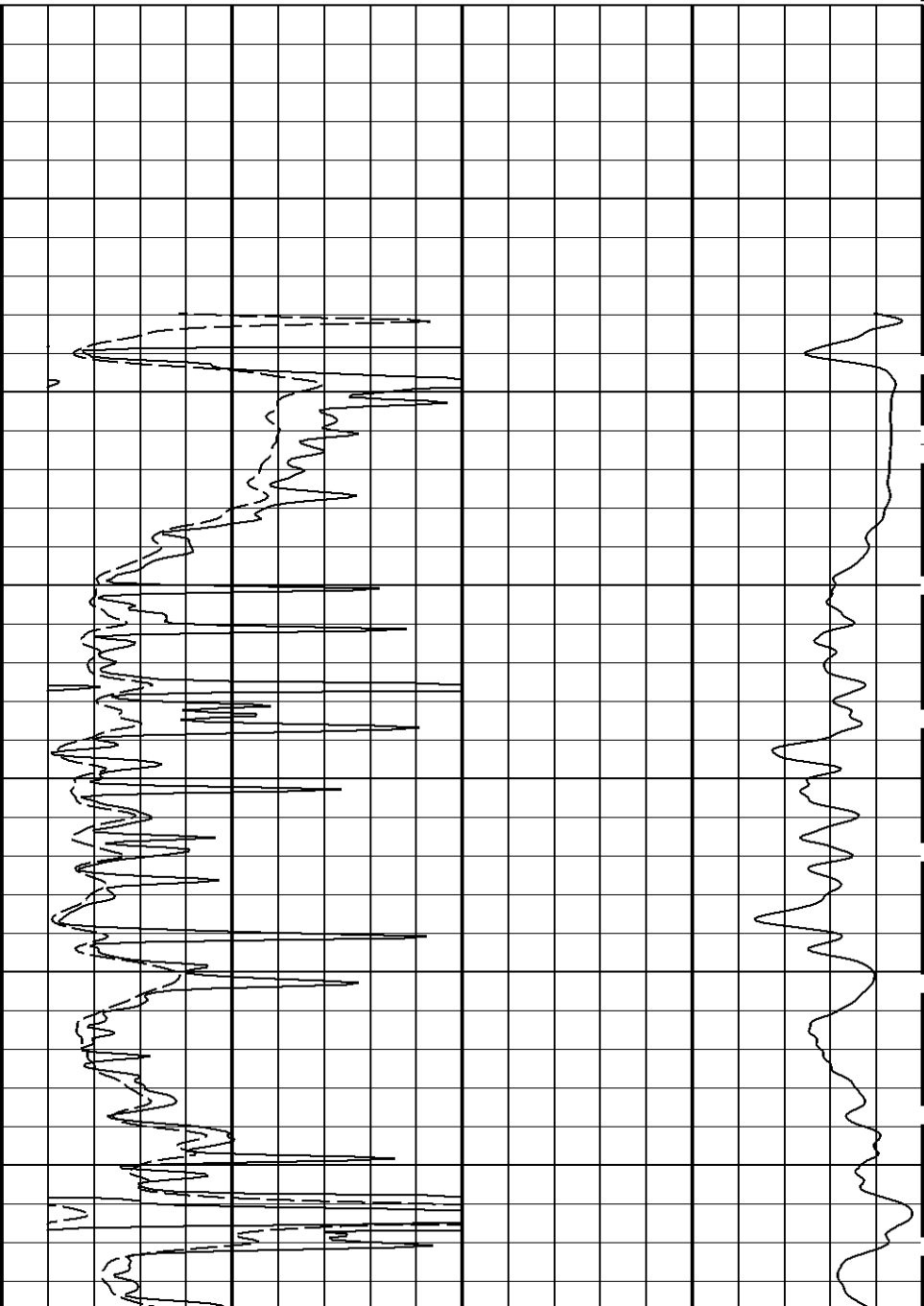
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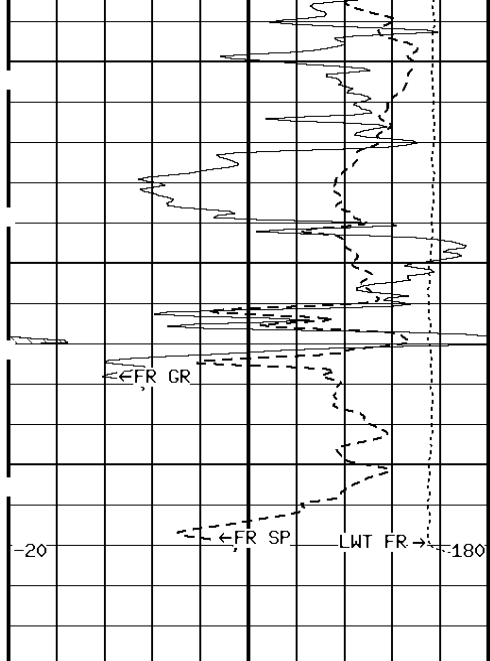


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100

200

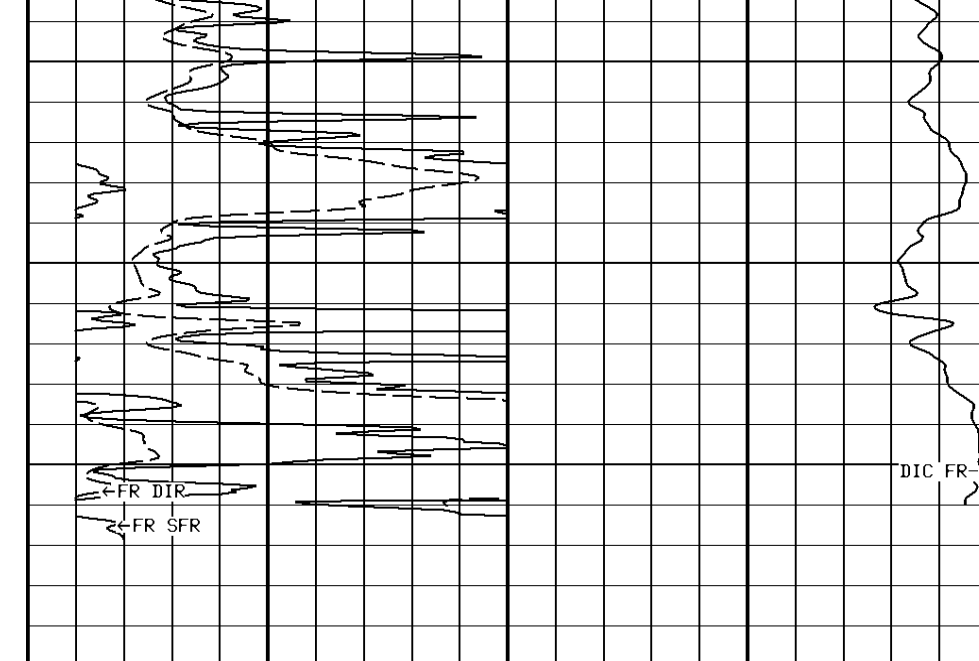




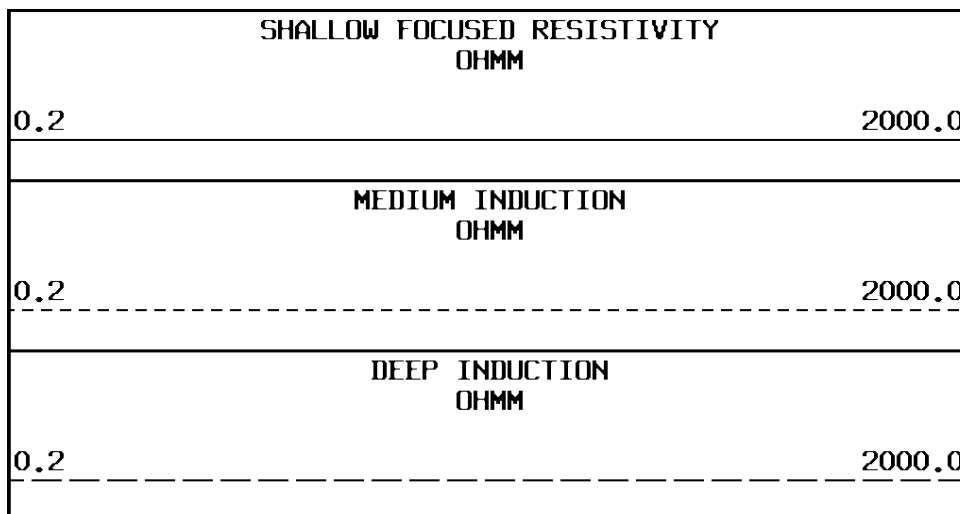
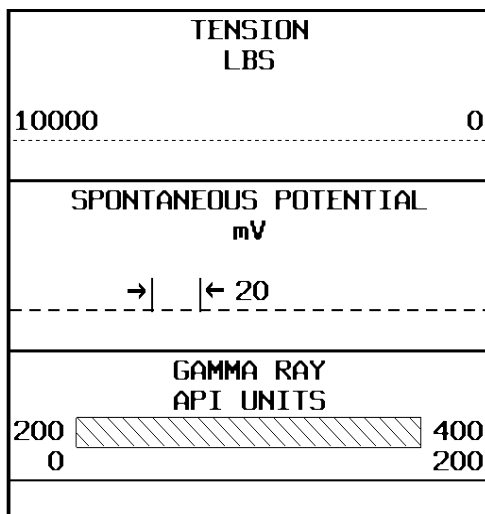
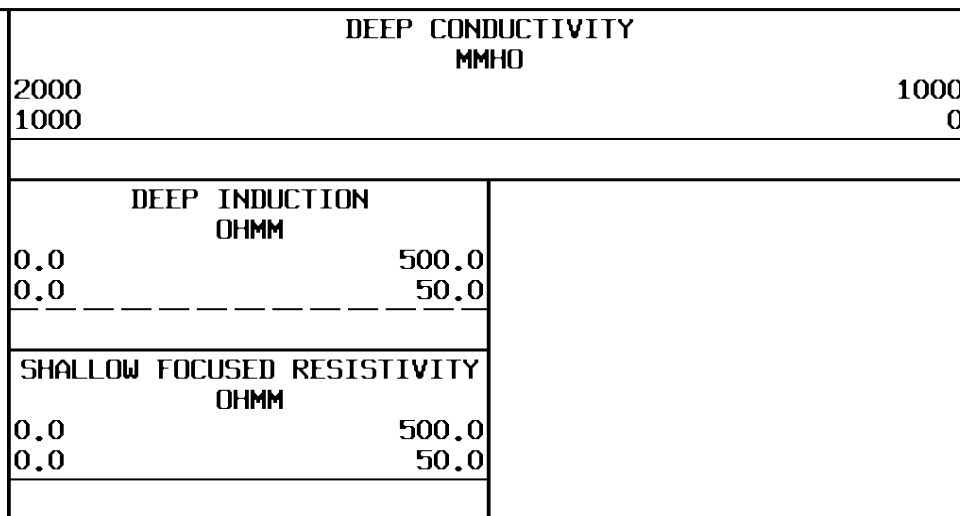
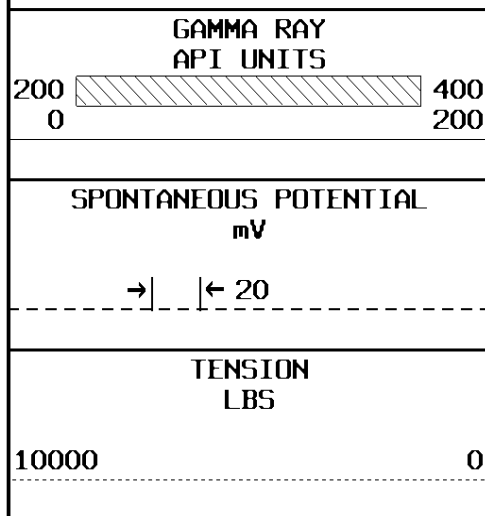
300

400

420



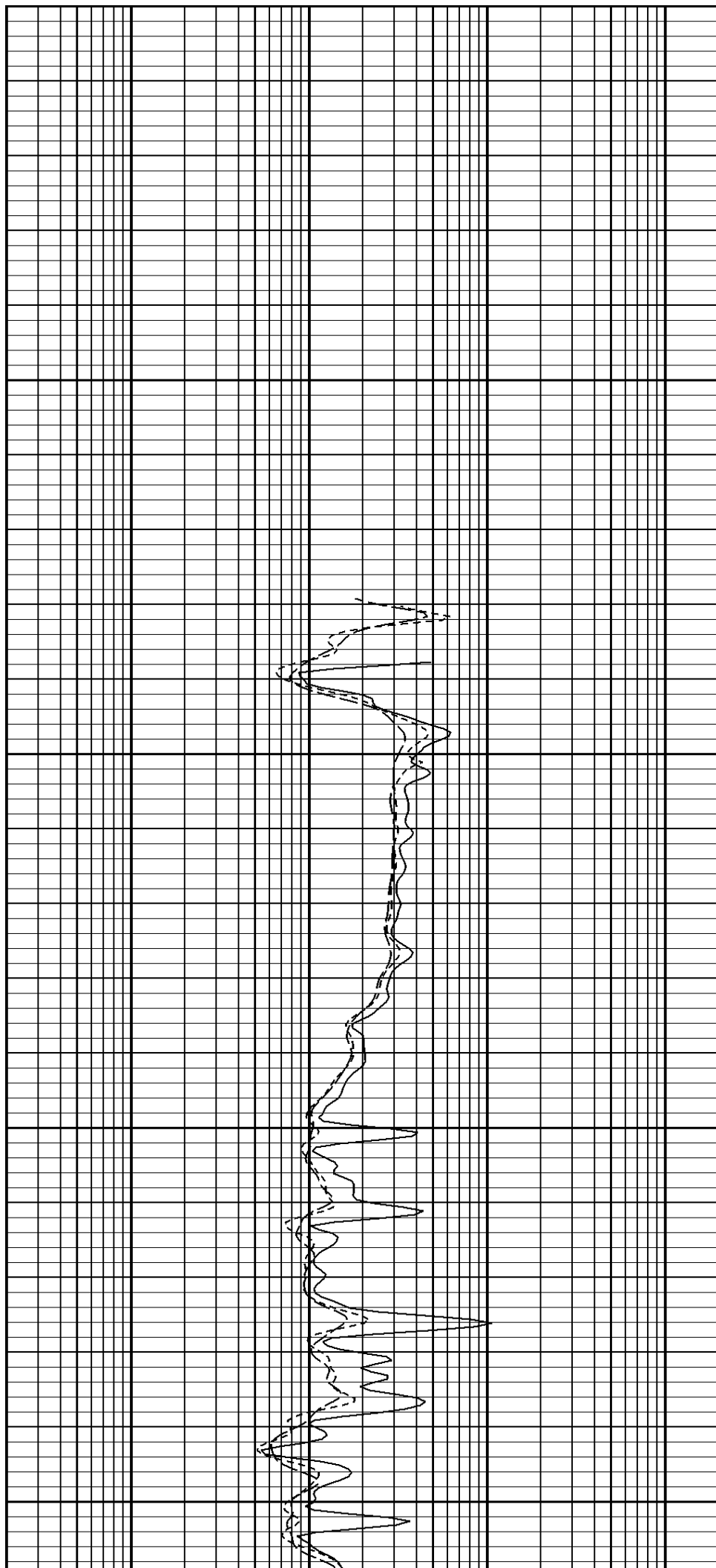
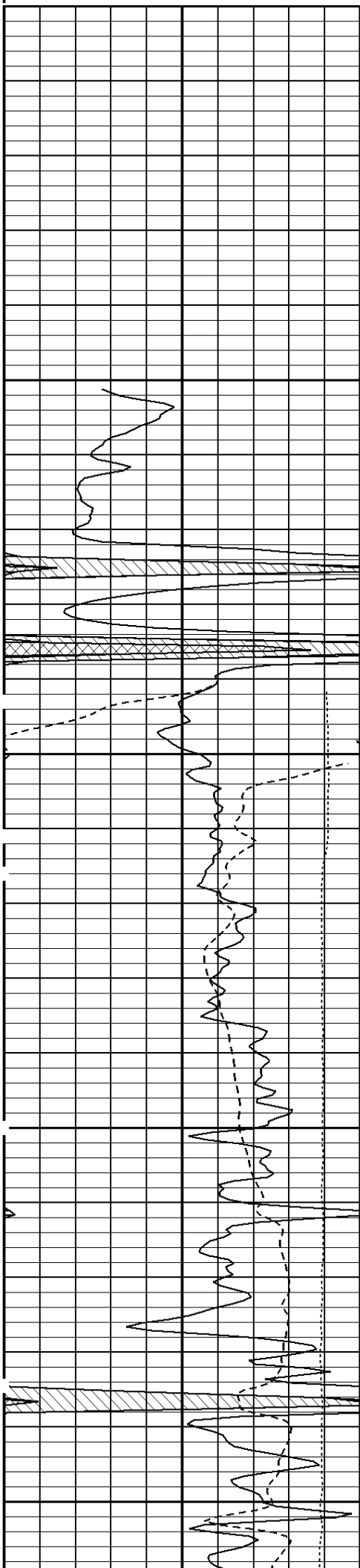
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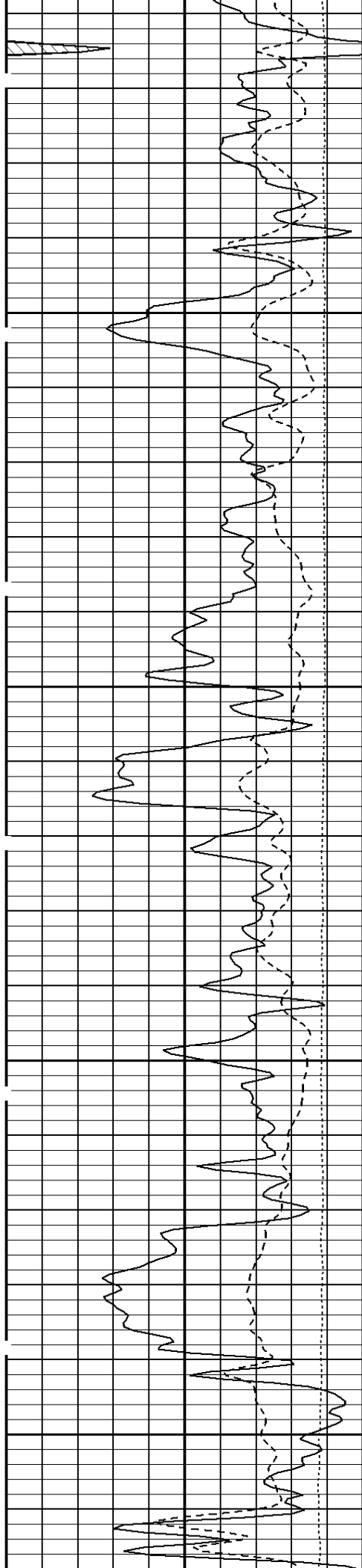


1:240 MAIN SECTION

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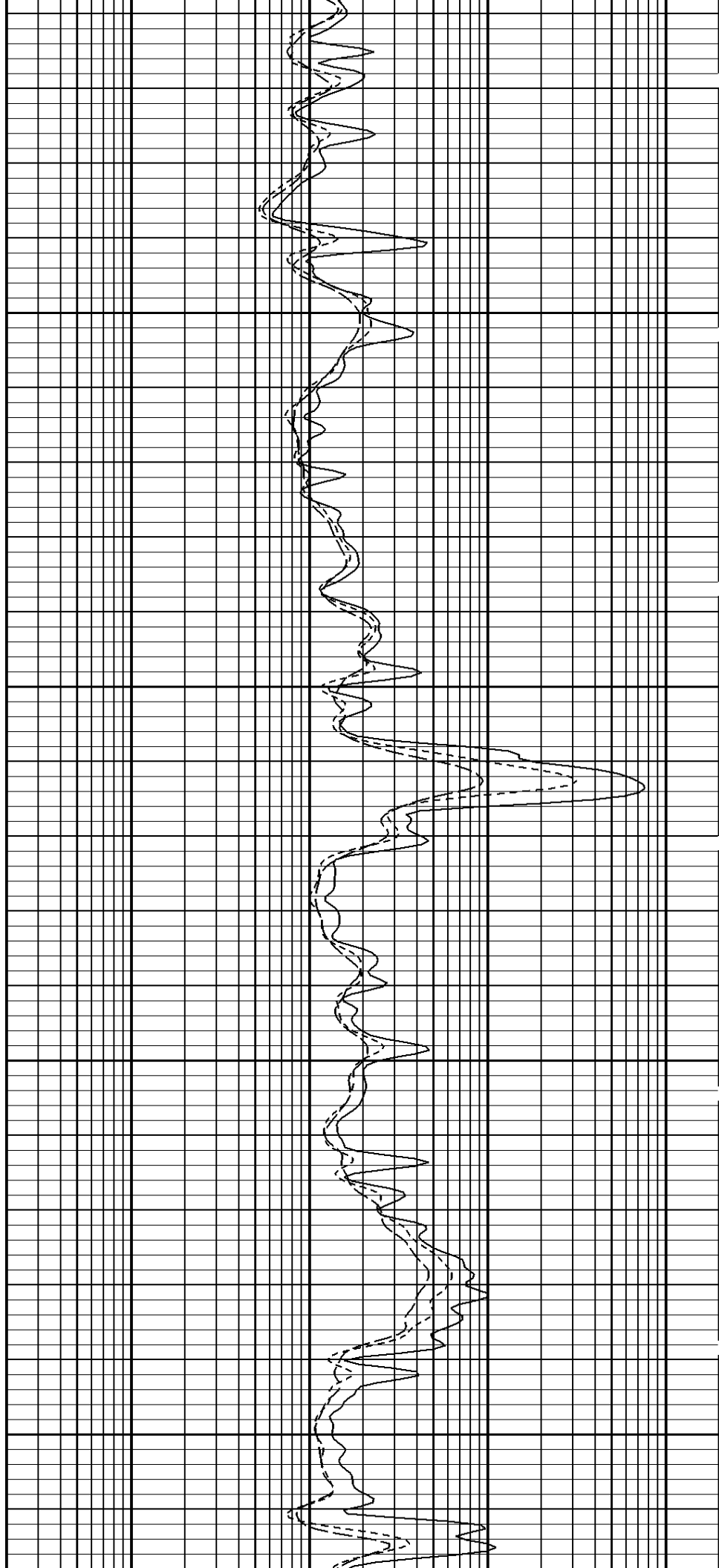
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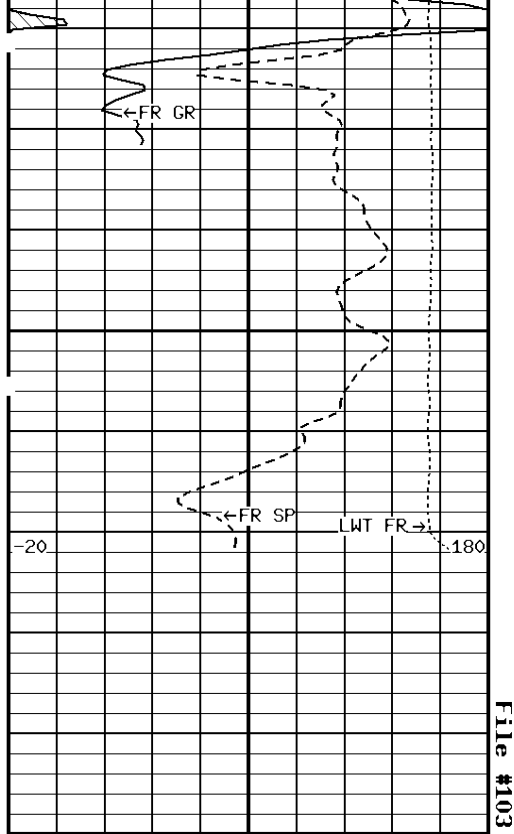




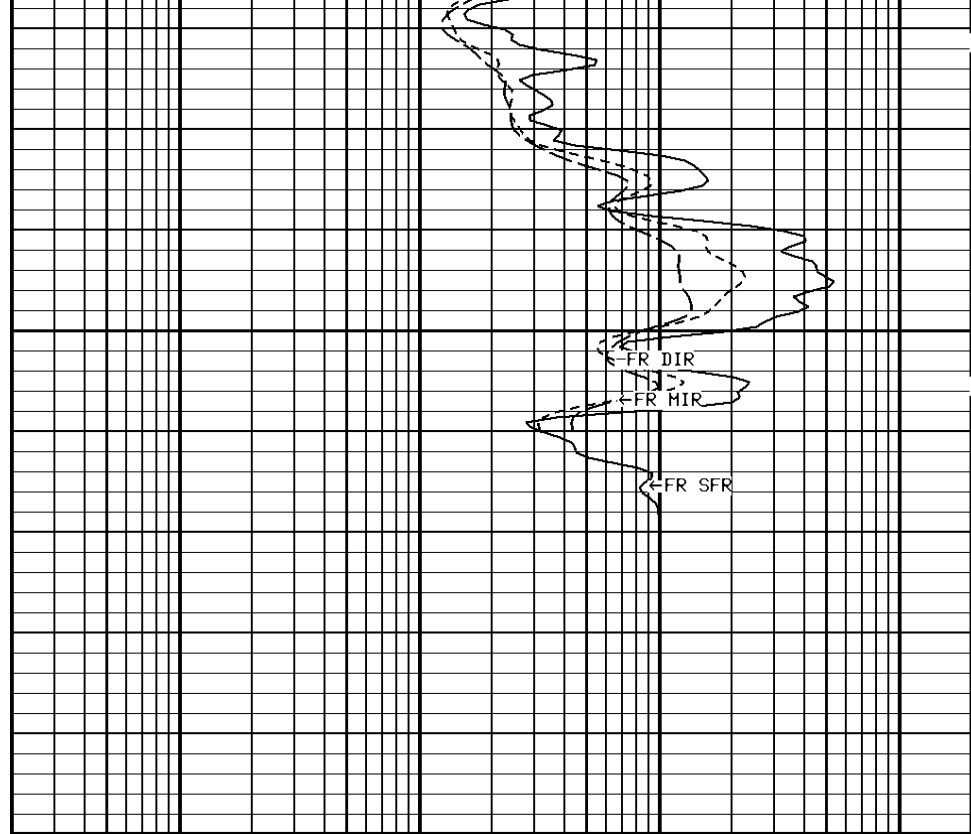
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300

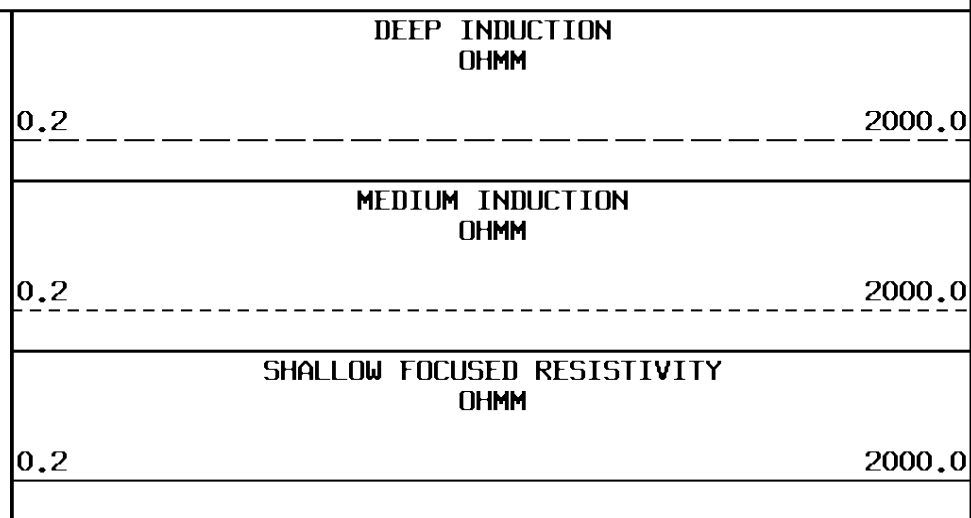
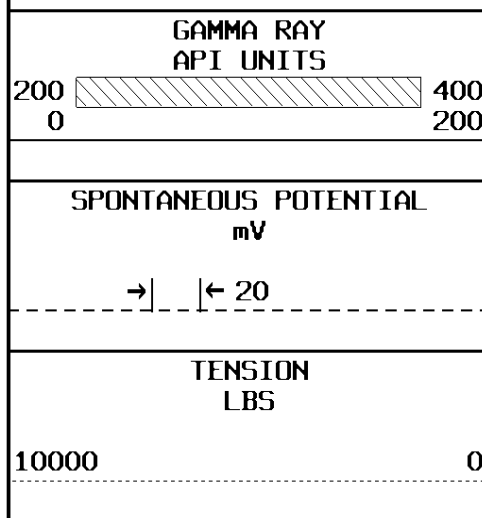




400
420

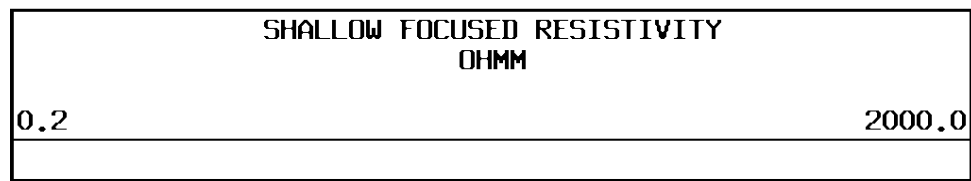
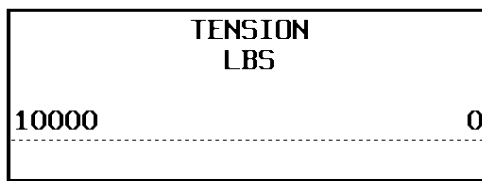


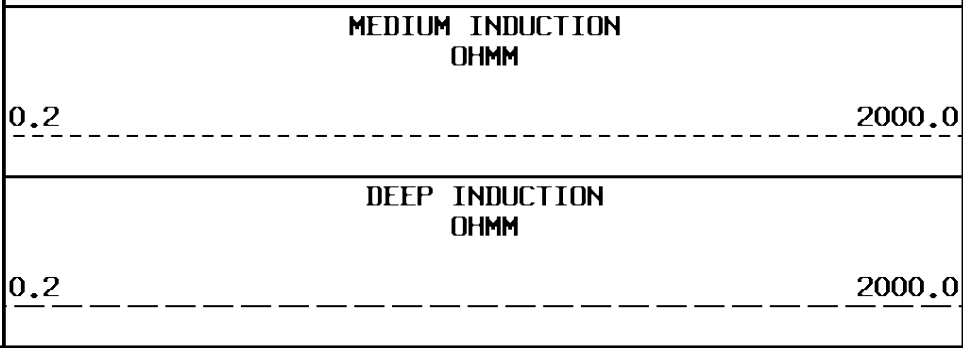
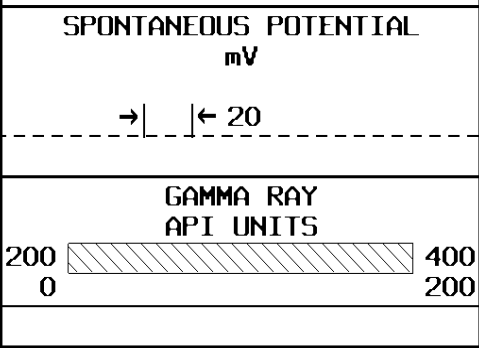
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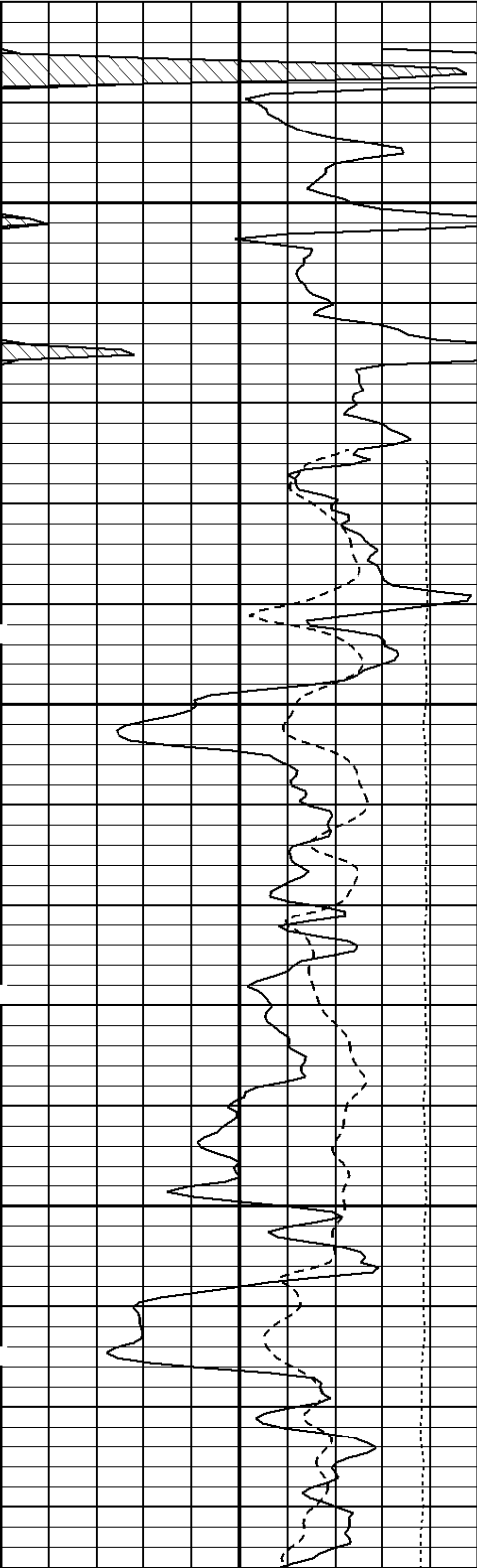
* Borehole Zone Factors *

Zone 1	99999.0	to	0.0	F
Drill Bit Size	6.125	IN		
BHT Depth	420.000	F		
Borehole Temperature	78.0	DEGF		
Temperature Gradient	1.00	DFHF		
Resistivity Of Mud	10.00	OHMM		
Resistivity Of Mud Temperature	73.00	DEGF		

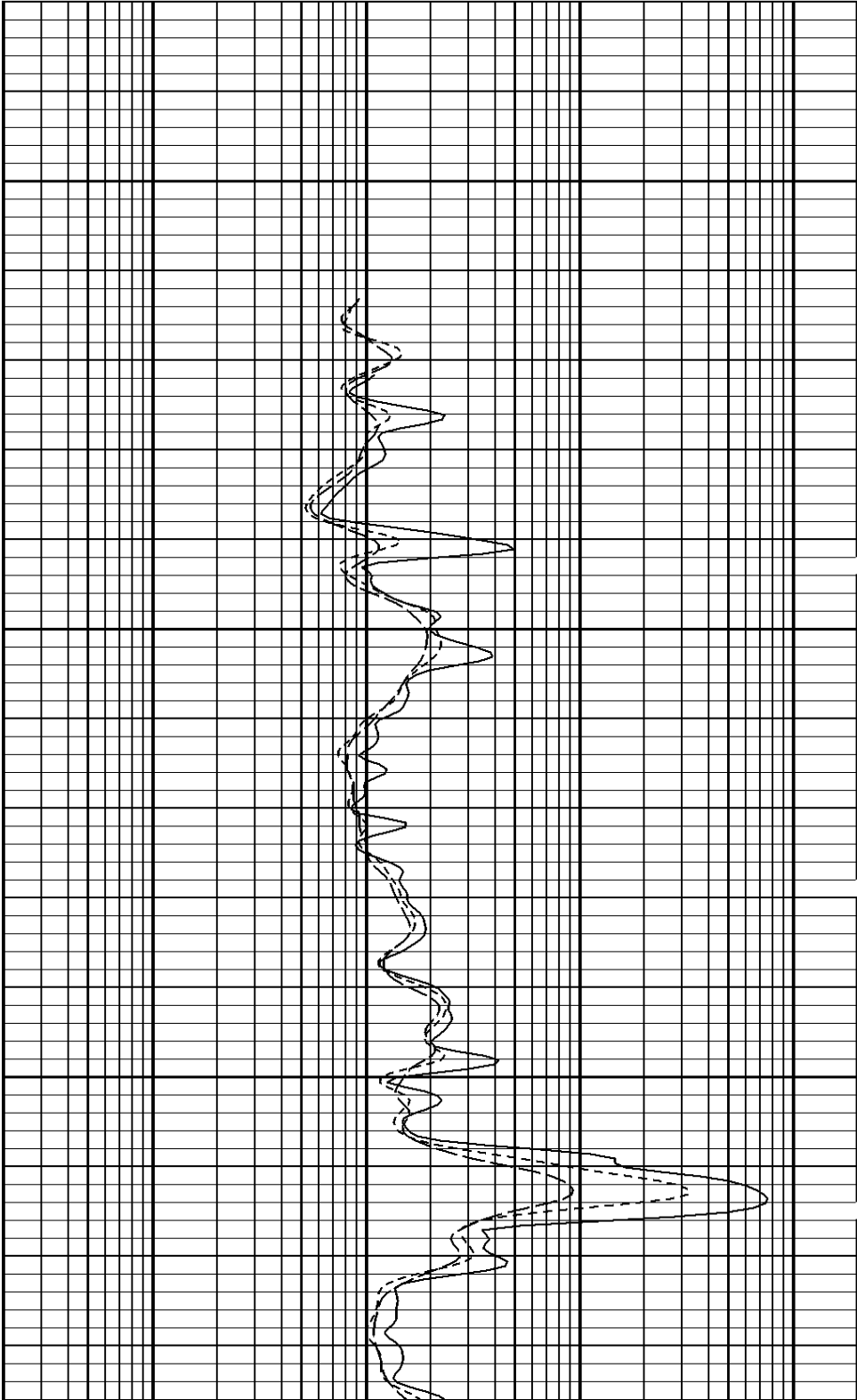


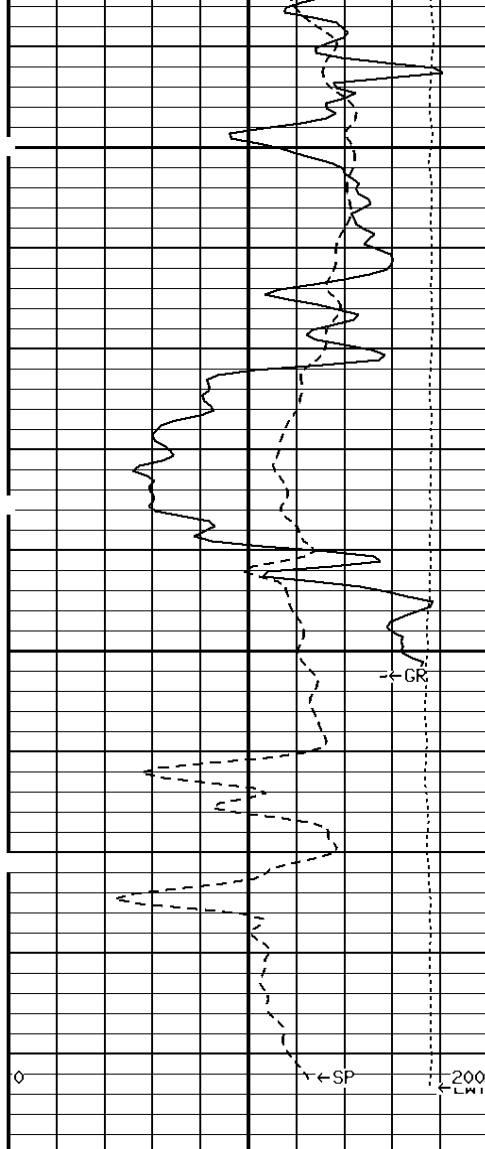


1:240 REPEAT SECTION



200



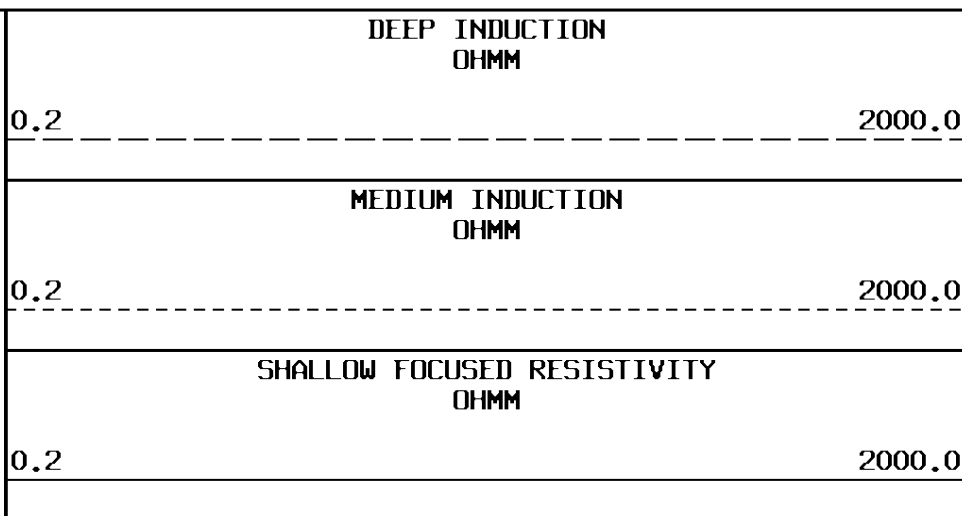
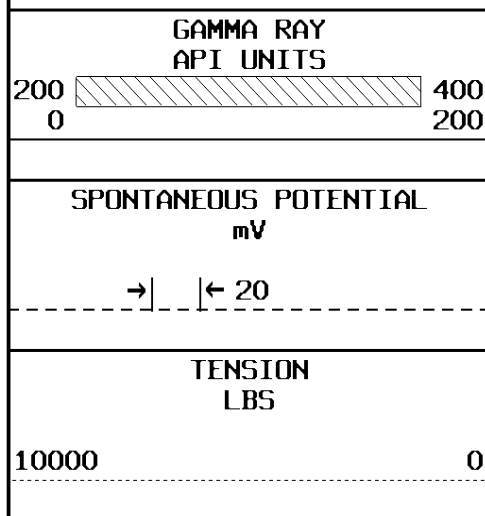


300

394

File #104

1:240 REPEAT SECTION



* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 F		
Drill Bit Size	6.125	IN
BHT Depth	420.000	F
Borehole Temperature	78.0	DEGF

Temperature Gradient_____	1.00	DFHF
Resistivity Of Mud_____	10.00	OHMM
Resistivity Of Mud Temperature_____	73.00	DEGF

*** Calibration Summary ***

Shop Calibration						
GRTB						
Performed : 29-Apr-2010			Time : 11:02			
Sensor Suite : GR-GR5			ID : GRT-BC-41			
	Measured		Units	Calibrated		Units
	Background	Jig		Jig		
GR	46	346	CPS	175		GRAPI

Shop Calibration						
PIT_B						
Performed : 09-Mar-2010			Time : 11:08			
Sensor Suite : P-IND-T			ID : PIT-BA-20			
Medium						
	Measured		Calibrated		Units	
	R	X	R	X		
Air	131850	129617	0.1	0.1	MMHOS	
Zero	131066	131069	0.0	0.0	MMHOS	
Reference	244028	243695	5000.0	5000.0	MMHOS	
Loop	150861	170755	2667.8	984.9	MMHOS	
Sonde Error			-0.1	1.7	MMHOS	
Cond			5000.0	5000.0	MMHOS	
Deep						
	Measured		Calibrated		Units	
	R	X	R	X		
Air	129092	131615	0.1	-0.0	MMHOS	
Zero	131075	131069	0.0	0.0	MMHOS	
Reference	226896	227570	2000.0	2000.0	MMHOS	
Loop	148067	173099	1255.9	463.7	MMHOS	
Sonde Error			-1.7	-4.4	MMHOS	
Cond			2000.0	2000.0	MMHOS	
Temperature						
	Measured		Calibrated		Units	
	Low	High	Low	High		
	16980.0	56920.0	70.0	350.0	DEGF	

Performed : 09-Mar-2010			Time : 11:05			
Sensor Suite : SFL			ID : PIT-BA-20			
Internal						
	Measured		Calibrated		Units	
	Zero	Reference	Zero	Reference		
Im	32745.0	48834.1	0.0	7028.0	uA	
Ib	32761.4	48458.4	0.0	1750.0	mA	
MOM1	32806.0	56045.2	0.0	175.0	mV	
Equivalent SFL				43.97	OHMM	

Performed : 09-Mar-2010			Time : 10:57			
Sensor Suite : P-SP			ID : PIT-BA-20			
Internal						
	Measured		Calibrated		Units	
	Zero	Reference	Zero	Reference		
	32794.7	58952.0	0.0	1000.0	mV	

TENSION LBS
10000-----0

SHALLOW FOCUSED RESISTIVITY OHMM
0.0 500.0 0.0 50.0

