

Tucker

WIRELINE SERVICES

DUAL INDUCTION RESISTIVITY LOG

File No. : TUL-55640
Company : RUNNING FOXES PETROLEUM INC.
Well : COLEMAN 6-24C INJ
Field :
County : BOURBON
State : KANSAS
Country : USA

Location : API#: 15-011-23735-00-00
400' FSL & 380' FEL
SE SE SE

Sect : 24 **Twp :** 24S **Rge :** 25E

Recorded By : B.BAILEY
Witnessed By : G.BRATTON

Date : JUN 11 2010
Run No. : 1

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

Depth--Driller : 402.0 FT
Depth--Logger : 401.0 FT
Bottom Log Interval : 400.0 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. : 122
Location : TULSA

Elevations :
KB : FT
DF : FT
GL : 859.00 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 : NATIVE
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 82 F
RM at BHT : 10.472 OHMM at 78 F

RMF Source : CALCULATED
RMF : 8.500 OHMM at 82 F
RMF at BHT : 8.901 OHMM at 78 F

RMC Source : CALCULATED
RMC : 11.500 OHMM at 82 F

RMC :	11.500	OHMM at	82	F
RMC at BHT :	12.043	OHMM at	78	F
Max Recorded Temp. :			78	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-111
LDTNG	LDP-NG-02
PIT	PIT-AB-14

Casing Strings

Size (IN)	Weight (LB/FT)	Bottom (FT)
7.000	32.00	21.00

- 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 4.500" PRODUCTION CASING.

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

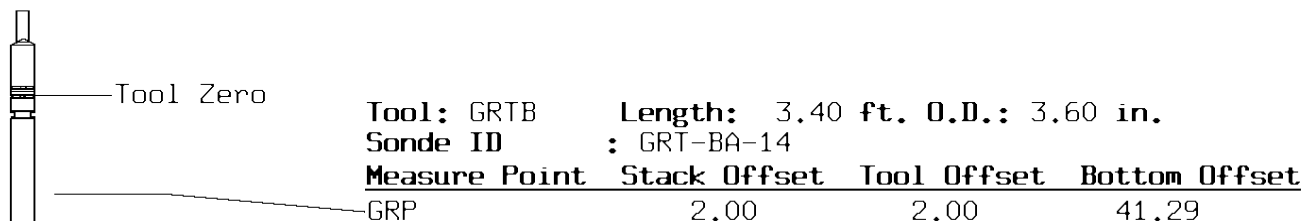
OPERATORS:

M.BURKE

THANK YOU FOR USING TUCKER WIRELINE SERVICES!

Tool String Schematic

Total Tool Length -	43.29 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-111

Source ID : N-1044

Pad ID : CNP-AA-111

Measure Point	Stack Offset	Tool Offset	Bottom Offset
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CLCN	9.40	6.00	33.89
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PHIN	10.24	6.84	33.05
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12.70 ft.

Tool: LDTNG

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

Sonde ID : LDP-NG-02

Source ID : CSV-587

Pad ID : LDP-NG-02

Measure Point	Stack Offset	Tool Offset	Bottom Offset
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CLLD	18.70	6.00	24.59
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PEL	19.70	7.00	23.59
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PES	20.10	7.40	23.19
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LDEN	19.70	7.00	23.59
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LCOR	19.70	7.00	23.59
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22.00 ft.

Tool: PIT

Length: 21.29 ft. O.D.: 3.62 in.

Sonde ID : PIT-AB-14

Measure Point	Stack Offset	Tool Offset	Bottom Offset
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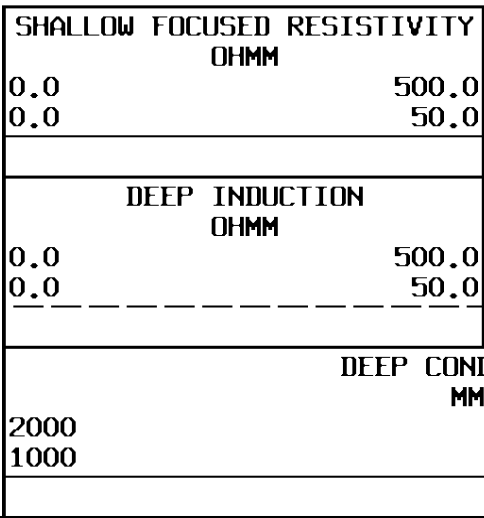
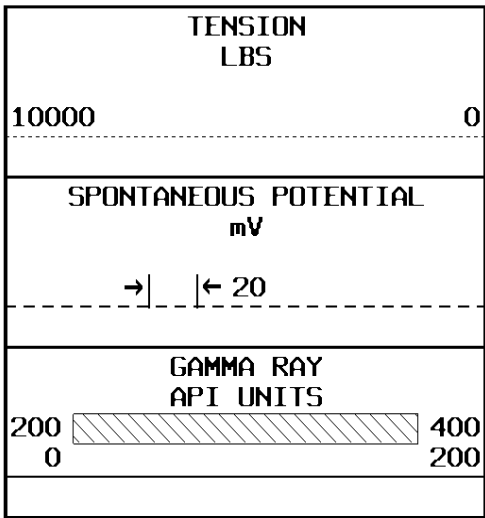
ILD	30.92	8.92	12.37
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ILM	32.10	10.10	11.20
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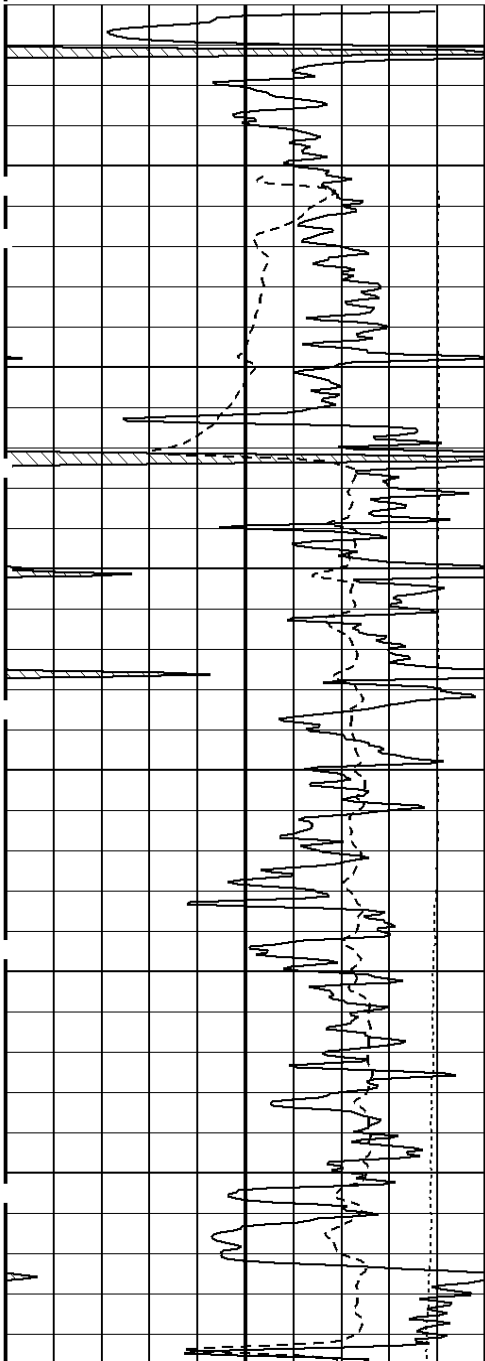
SFLU	39.49	17.49	3.81
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SP	42.60	20.60	0.69
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LWT 43.29 ft.



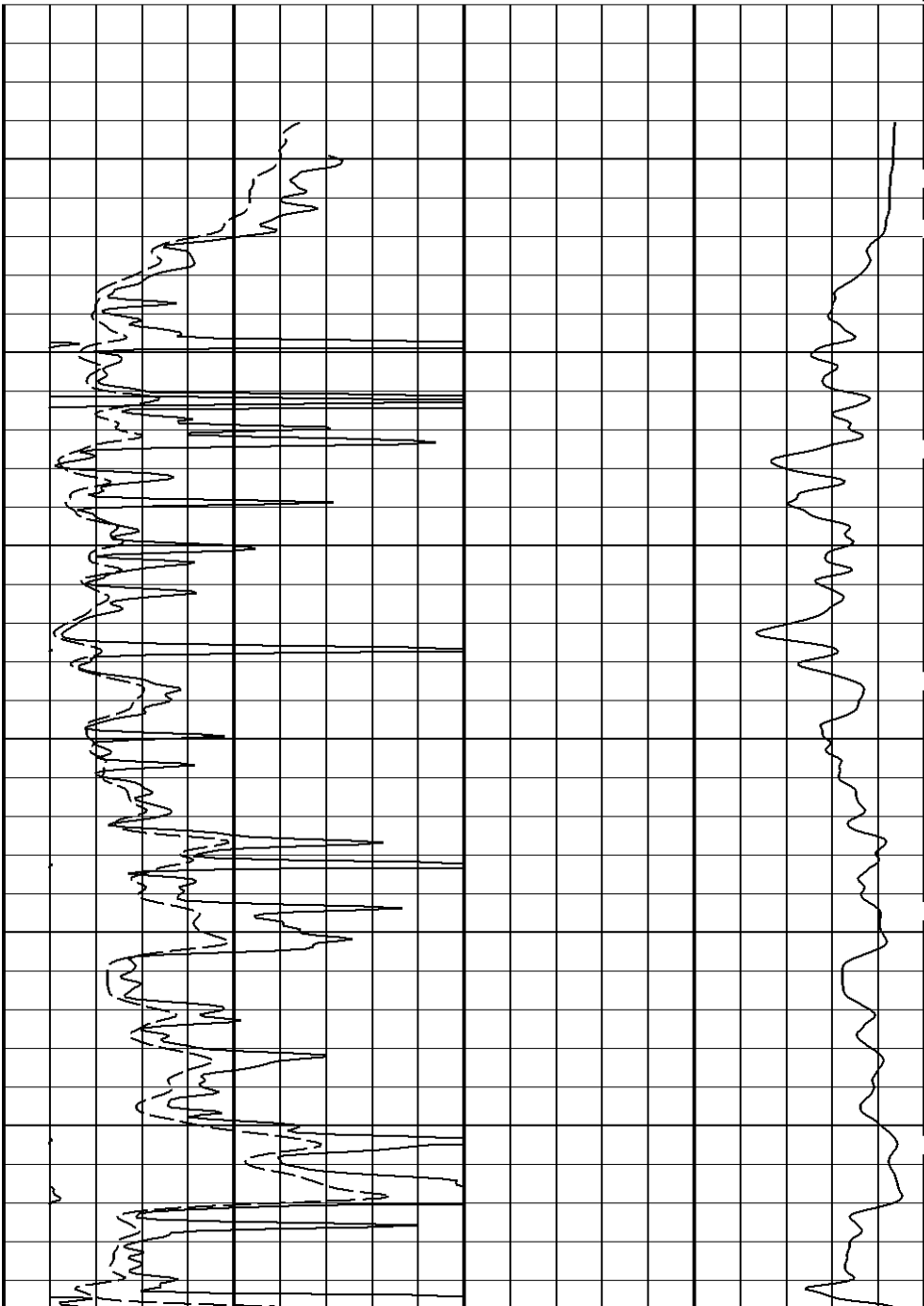
1:600 SECTION
2 INCH

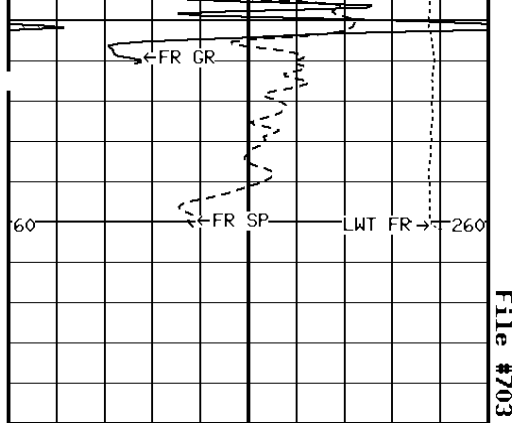


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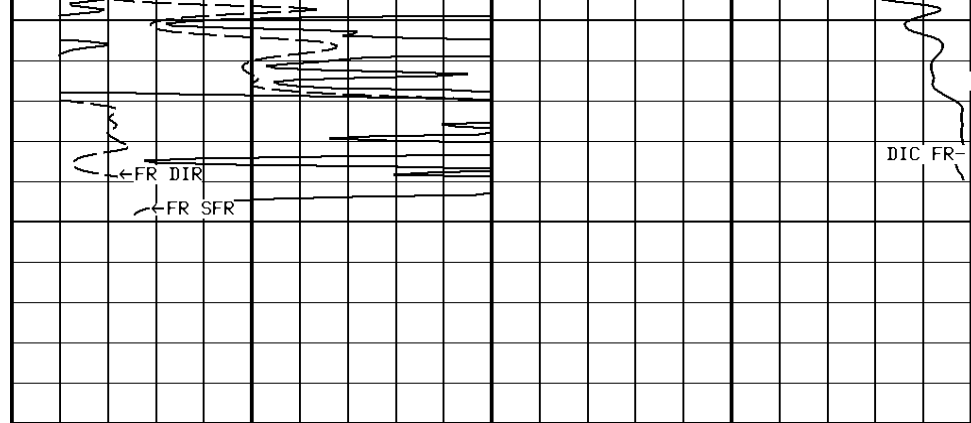
200

300

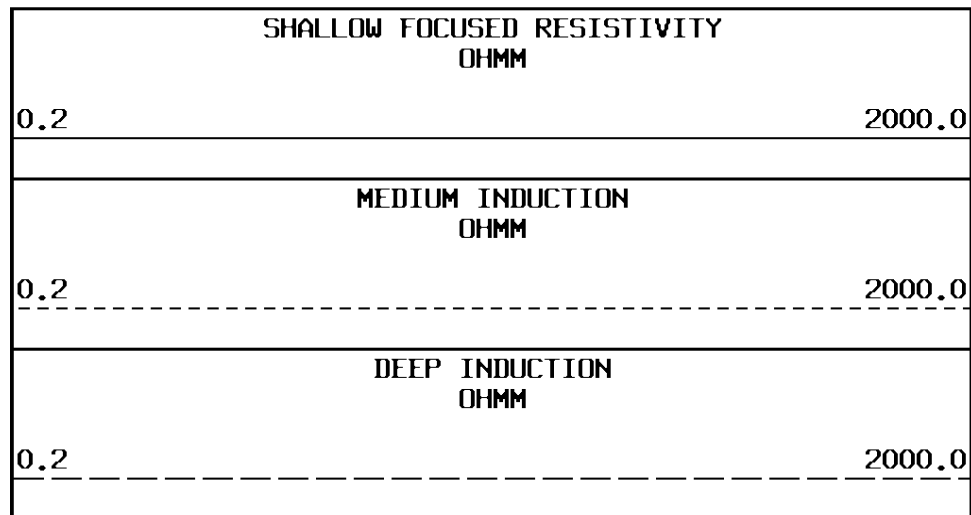
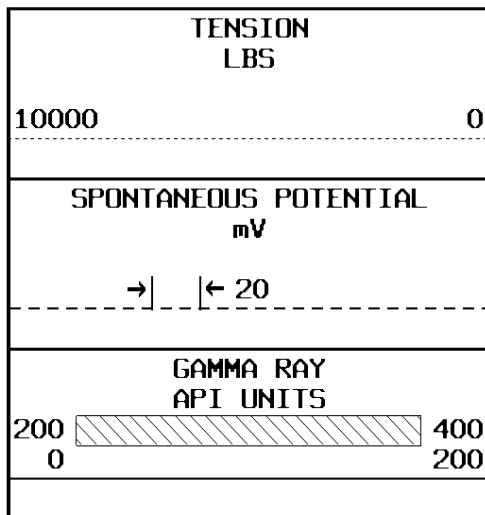
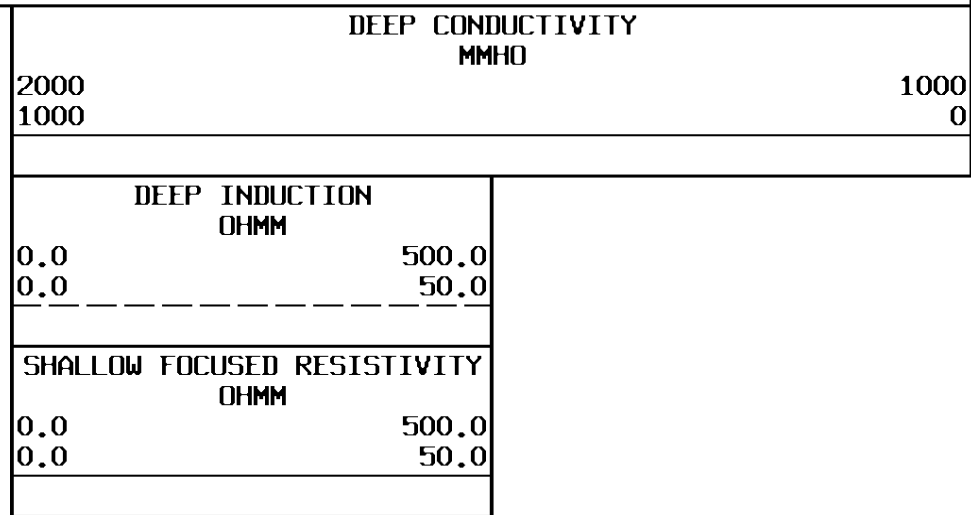
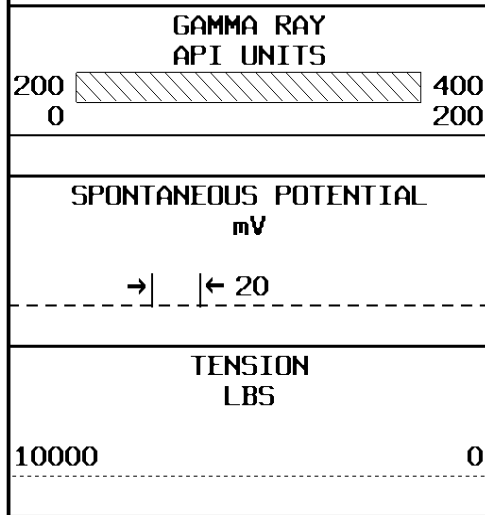




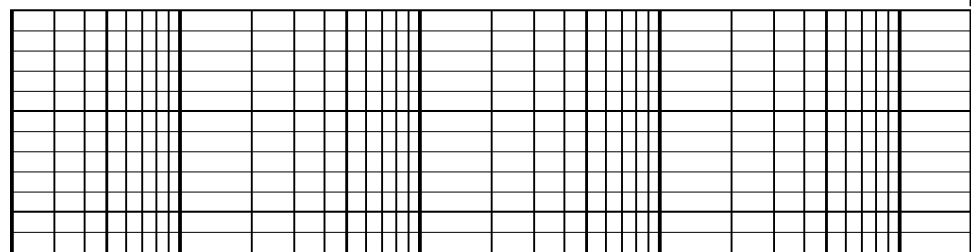
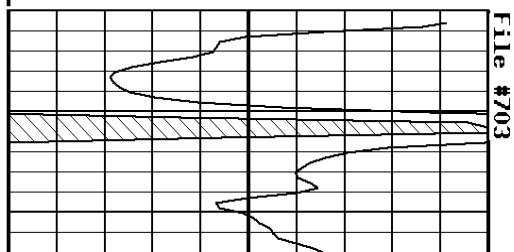
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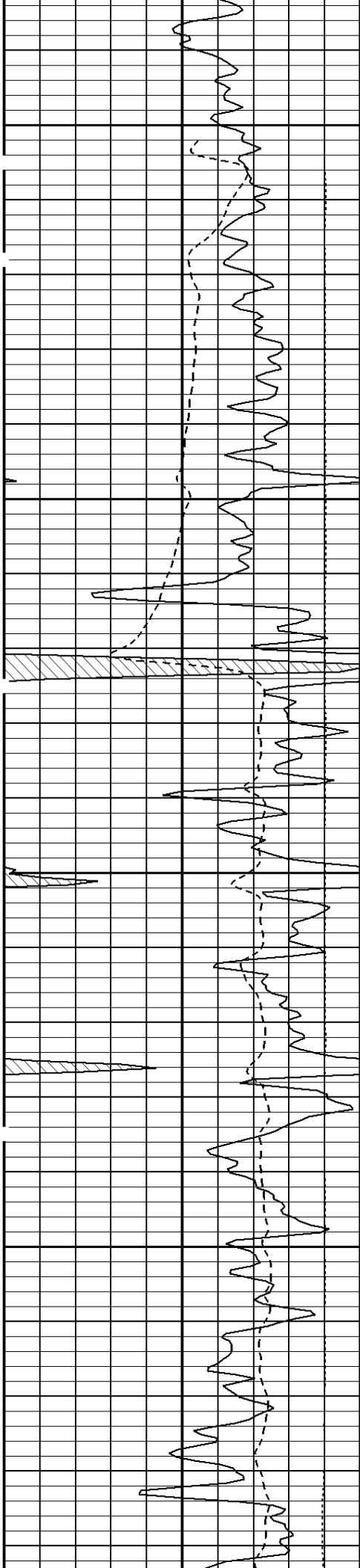


1:600 SECTION 2 INCH



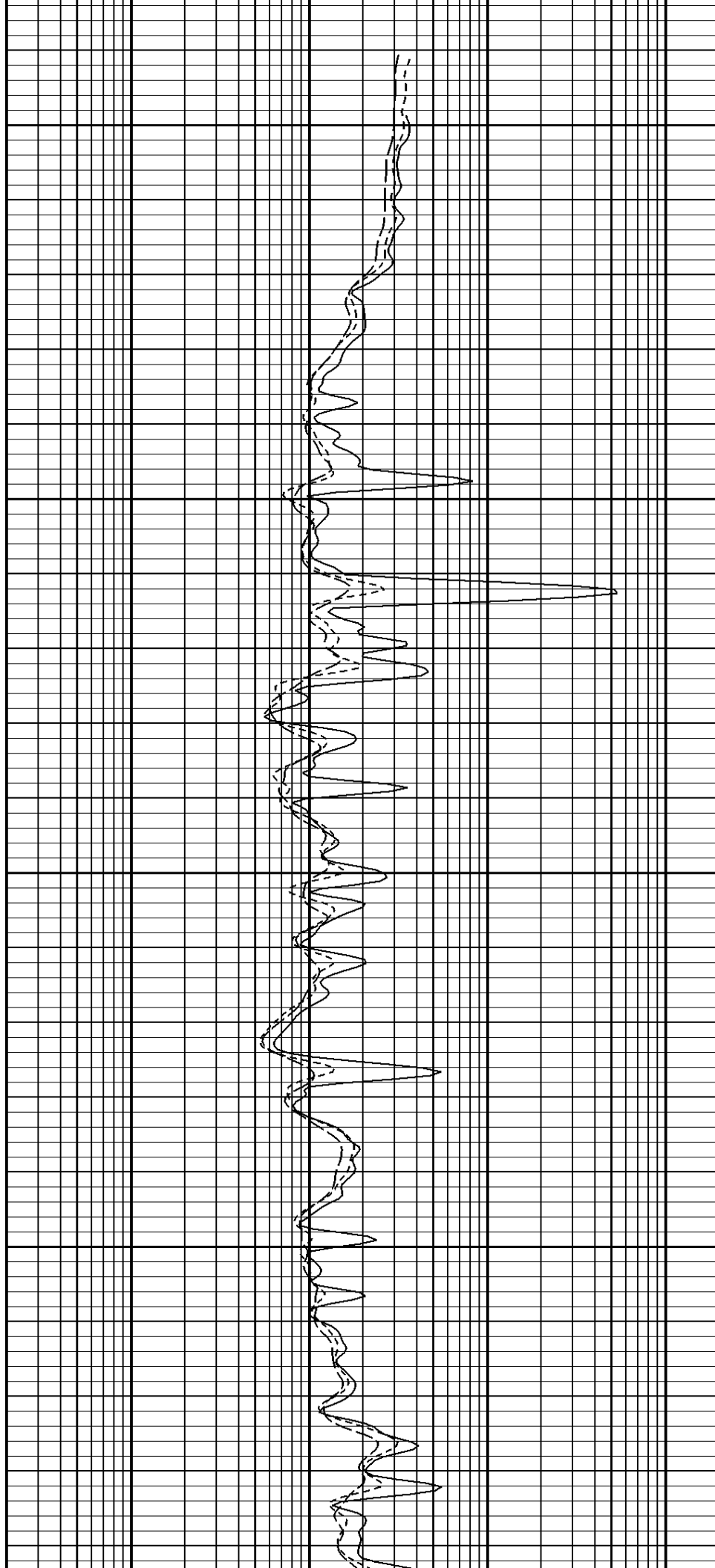
1:240 MAIN SECTION

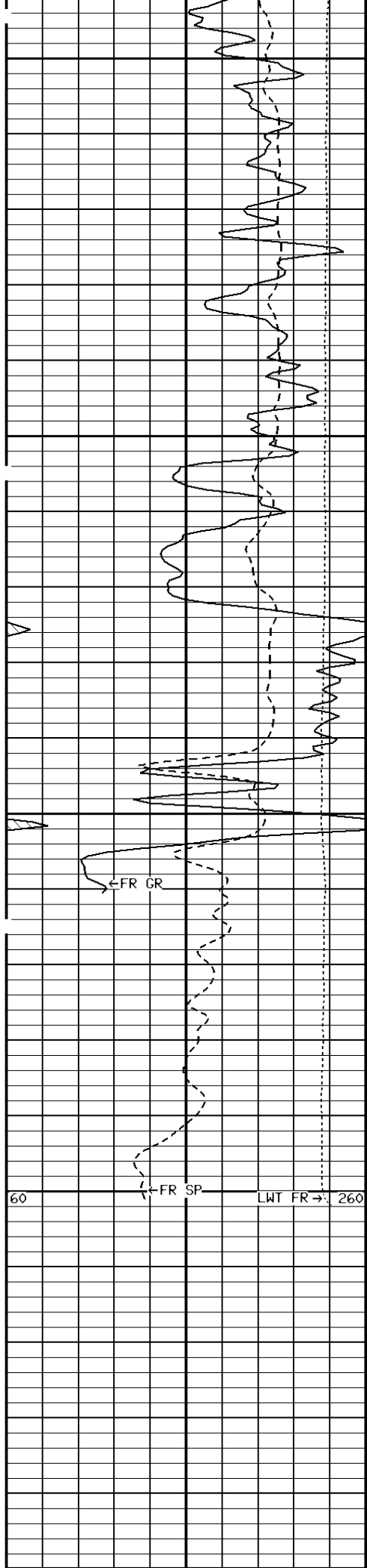




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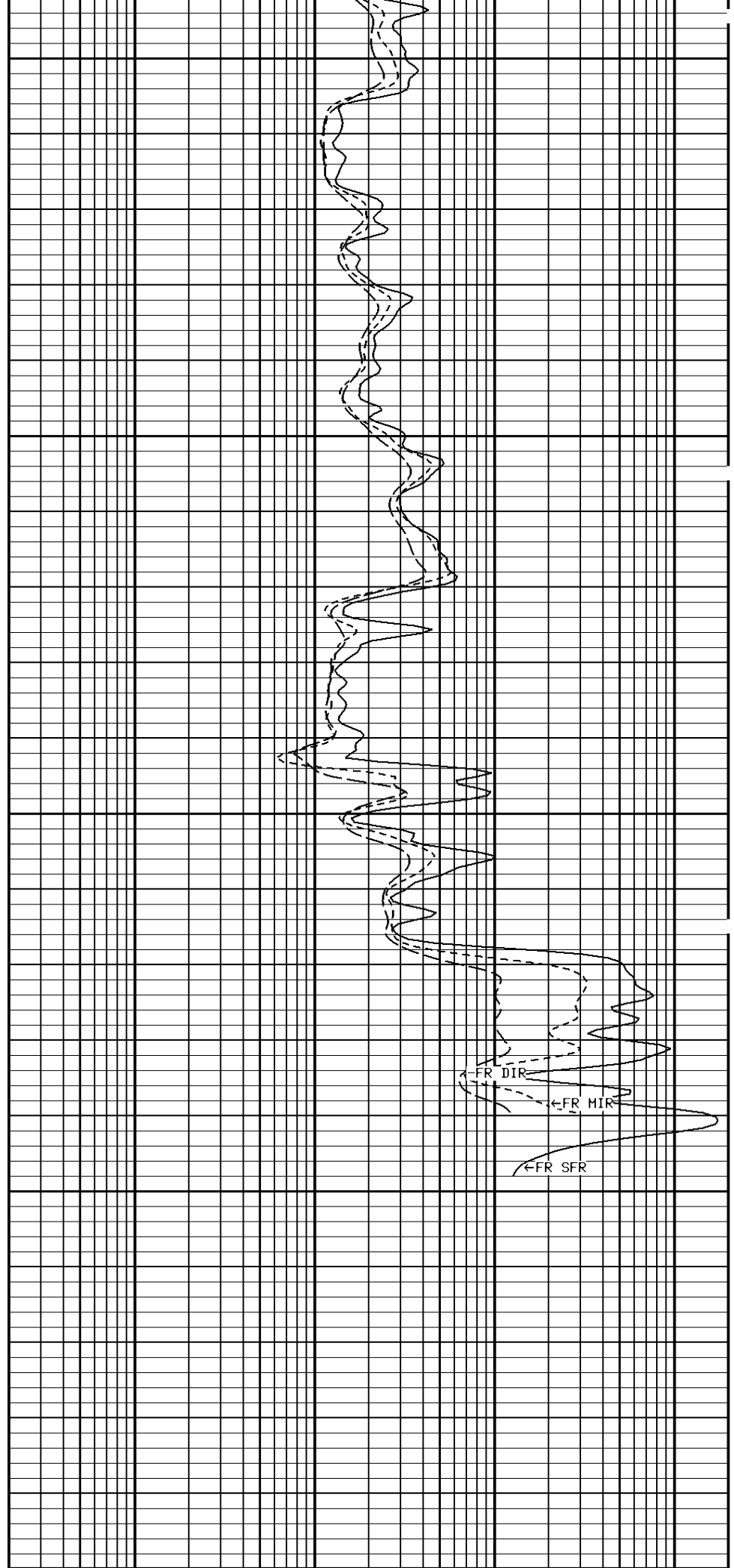




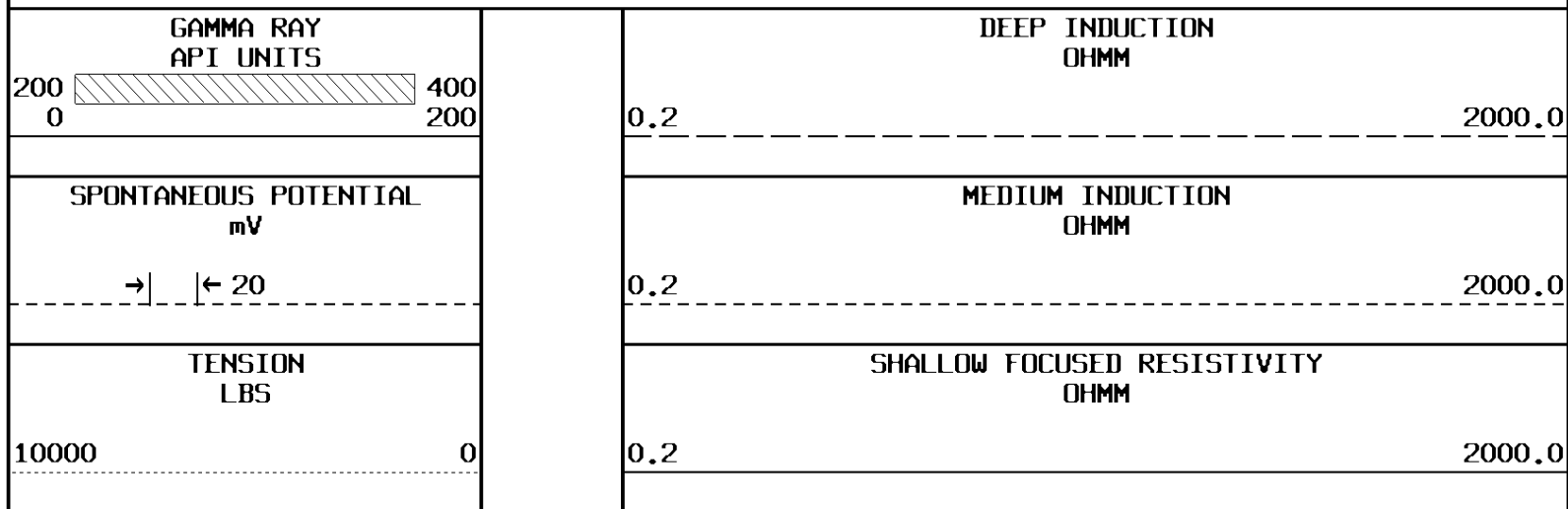
300

400
402

File #703

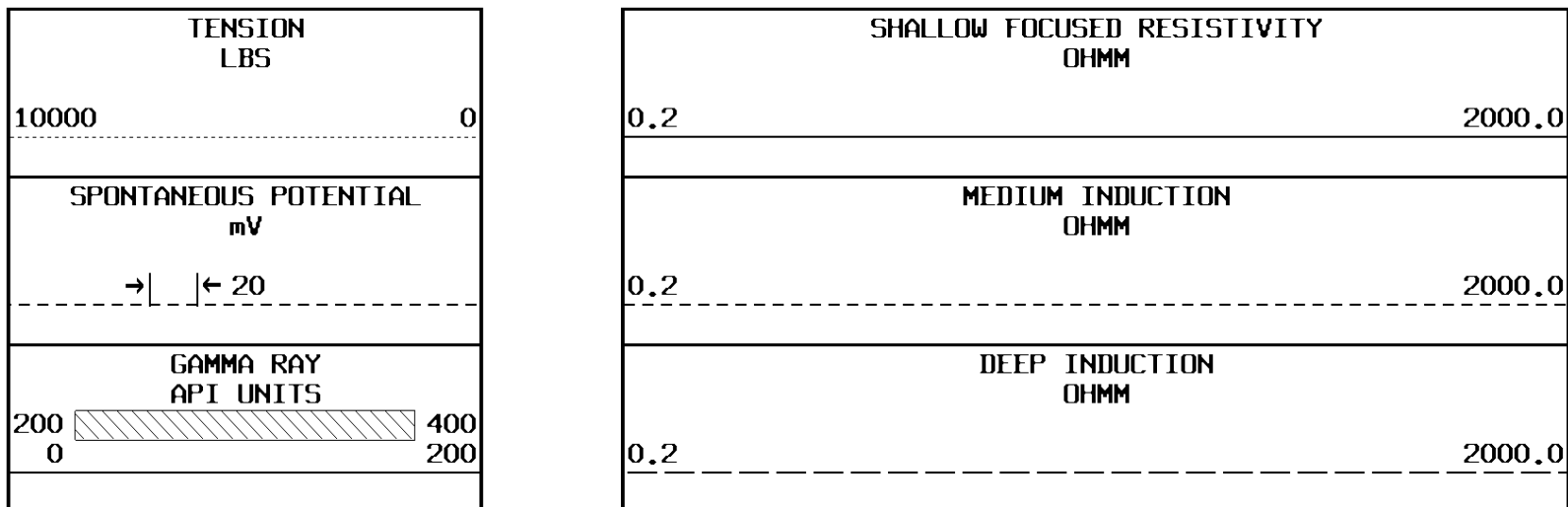


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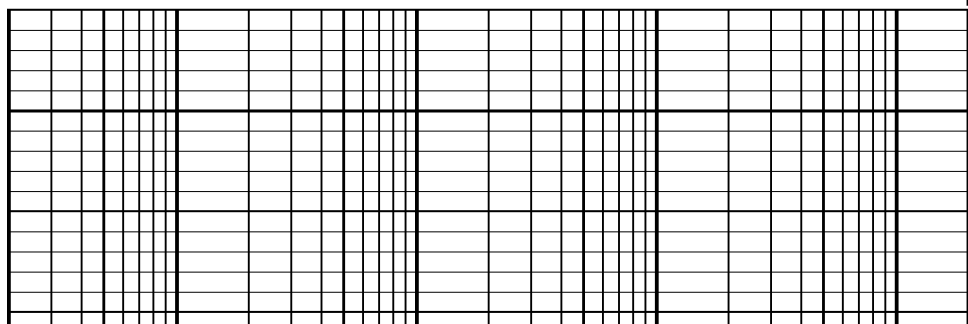
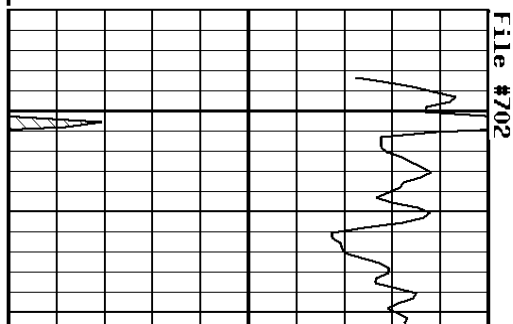


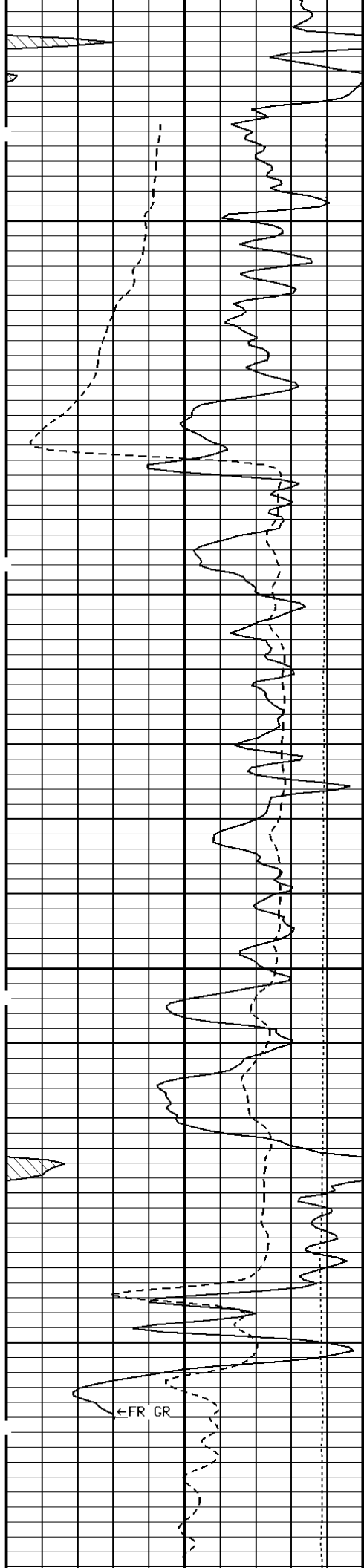
* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 F		
Drill Bit Size_____	6.125	IN
BHT Depth_____	402.000	F
Borehole Temperature_____	78.0	DEGF
Temperature Gradient_____	1.00	DFHF
Resistivity Of Mud_____	10.00	OHMM
Resistivity Of Mud Temperature_____	82.00	DEGF



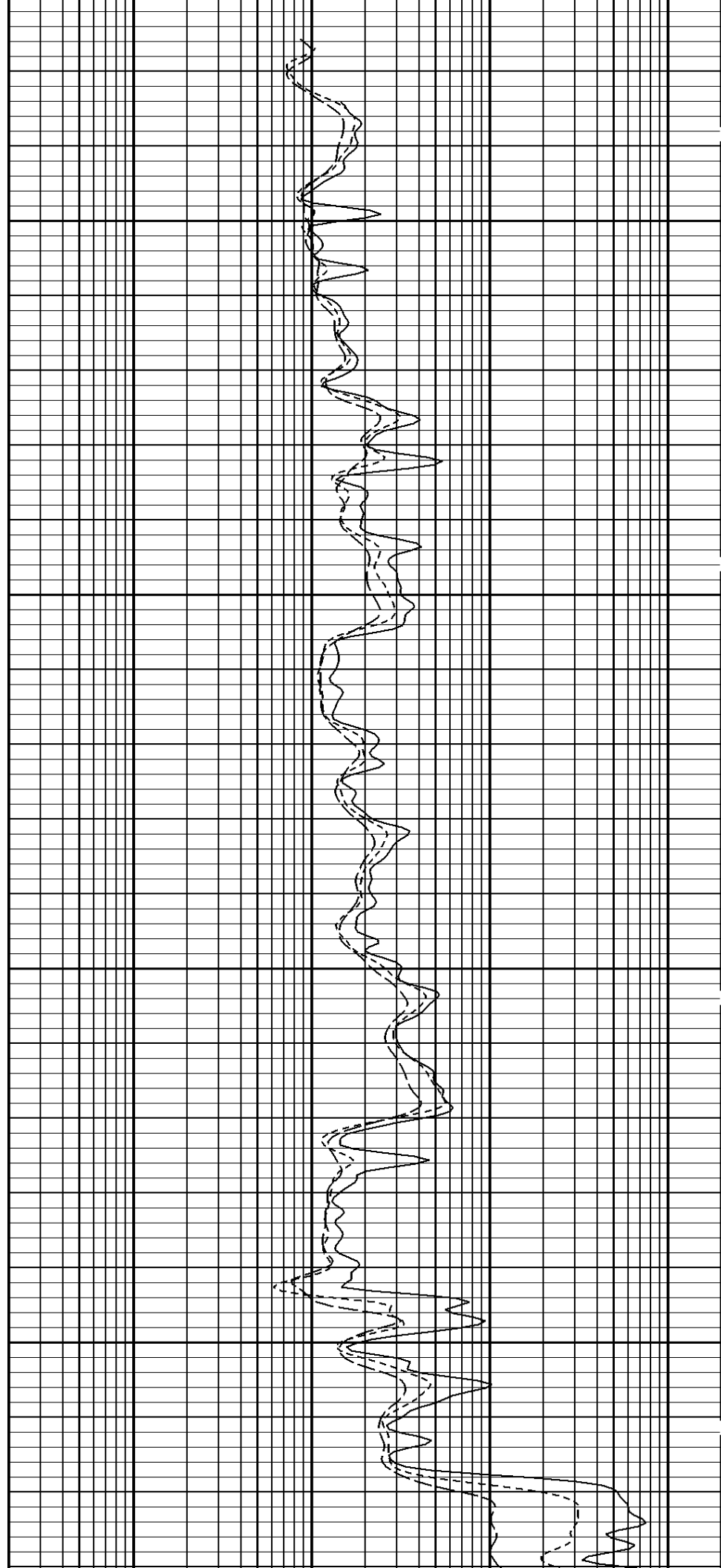
1:240 REPEAT SECTION

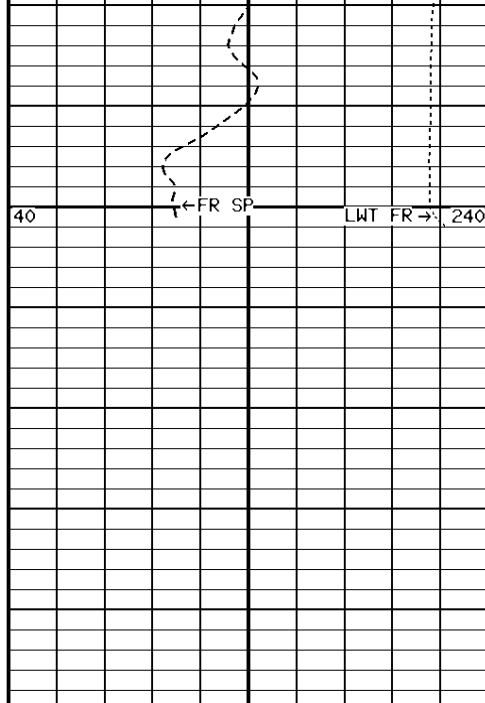




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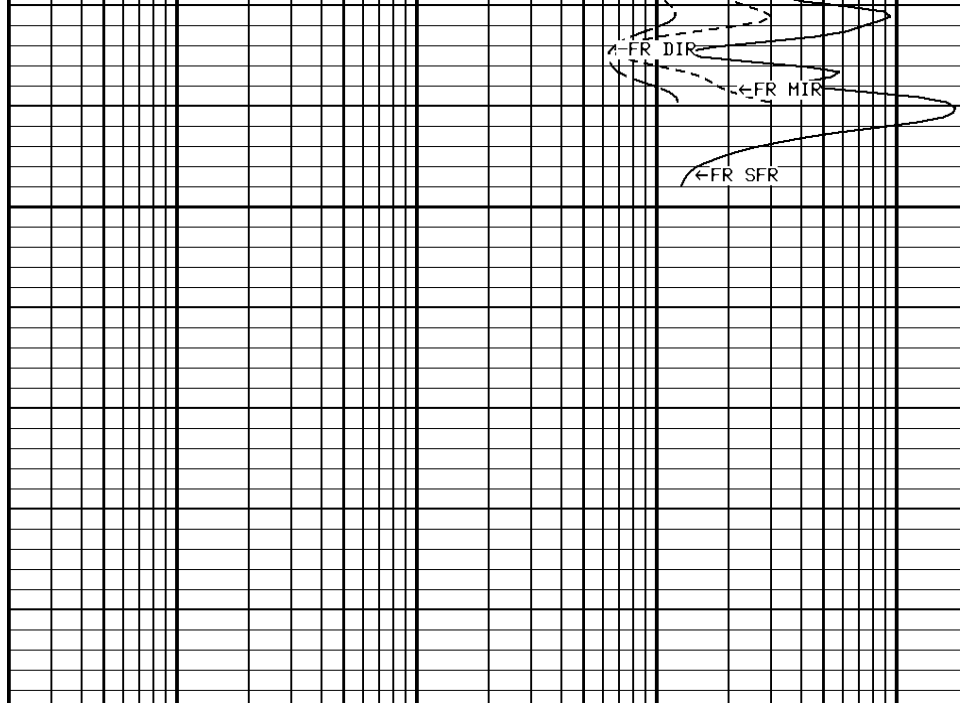
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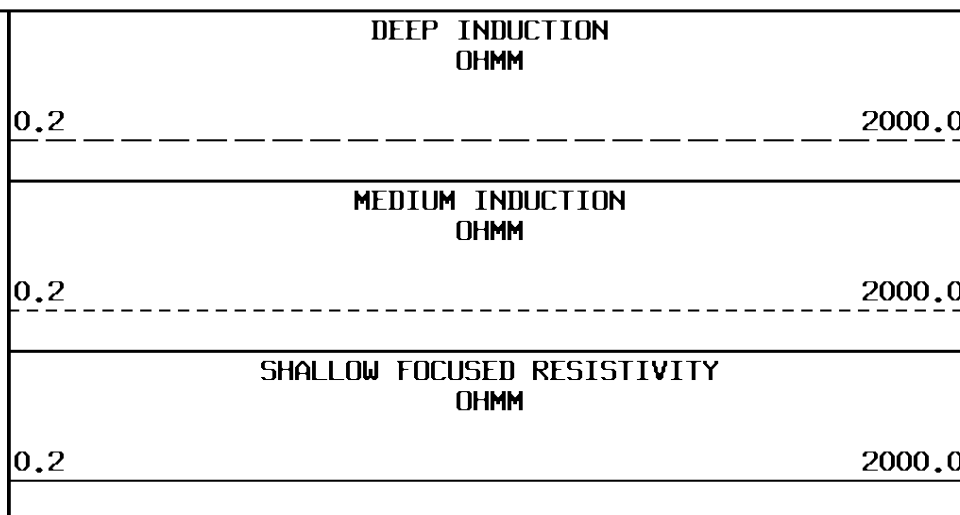
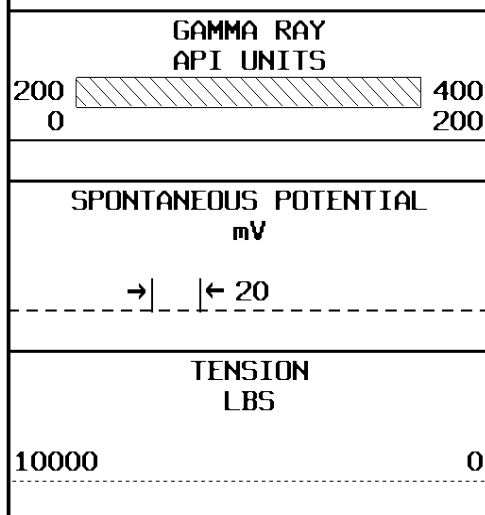


File #702

400
402



1:240 REPEAT SECTION



* Borehole Zone Factors *

Zone 1	99999.0	to	0.0	F
Drill Bit Size	6.125	IN		
BHT Depth	402.000	F		
Borehole Temperature	72.0	DEGF		
Temperature Gradient	1.00	DFHF		
Resistivity Of Mud	10.00	OHMM		
Resistivity Of Mud Temperature	72.00	DEGF		

* Calibration Summary *

Shop Calibration				
GRTB				
Performed : 21-Aug-2009		Time : 15:26		
Sensor Suite : GR-GR5		ID : GRT-BA-14		
Measured	Units	Calibrated	Units	
Background	Ilg	Ilg		

Shop Calibration PIT

Performed : 09-Mar-2010 Time : 11:49
Sensor Suite : P-IND-T ID : PIT-AB-14

Medium

	Measured		Calibrated		Units
	R	X	R	X	
Air	131255	130232	-0.1	-0.1	MMHOS
Zero	131069	131070	0.0	0.0	MMHOS
Reference	247874	248000	5000.0	5000.0	MMHOS
Loop	151150	173026	2681.5	978.1	MMHOS
Sonde Error			-1.8	-1.4	MMHOS
Cond			5000.0	5000.0	MMHOS

Deep

	Measured		Calibrated		Units
	R	X	R	X	
Air	128932	131266	-0.0	0.0	MMHOS
Zero	131082	131071	0.0	0.0	MMHOS
Reference	232315	231356	2000.0	2000.0	MMHOS
Loop	149400	174585	1268.3	459.5	MMHOS
Sonde Error			-4.6	1.1	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 : 11:45
Sensor Suite : SFL ID : PIT-AB-14

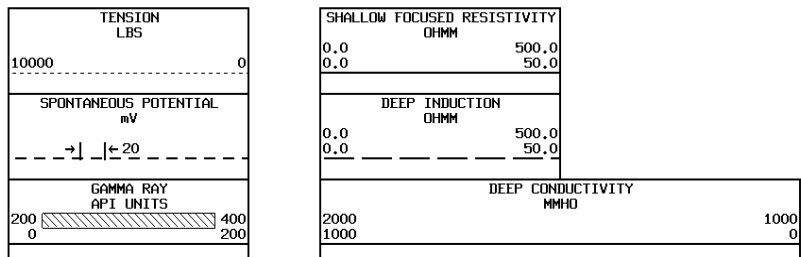
Internal

	Measured		Calibrated		Units
	Zero	Reference	Zero	Reference	
Im	32747.6	48726.7	0.0	7028.0	uA
Ib	32767.7	49769.5	0.0	1750.0	mA
MOM1	32750.0	56560.6	0.0	175.0	mV
Equivalent SFL				43.97	OHMM

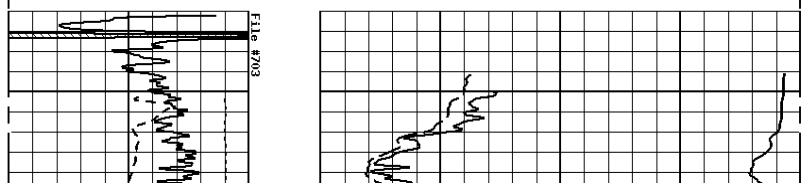
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Sensor Suite : P-SP ID : PIT-AB-14

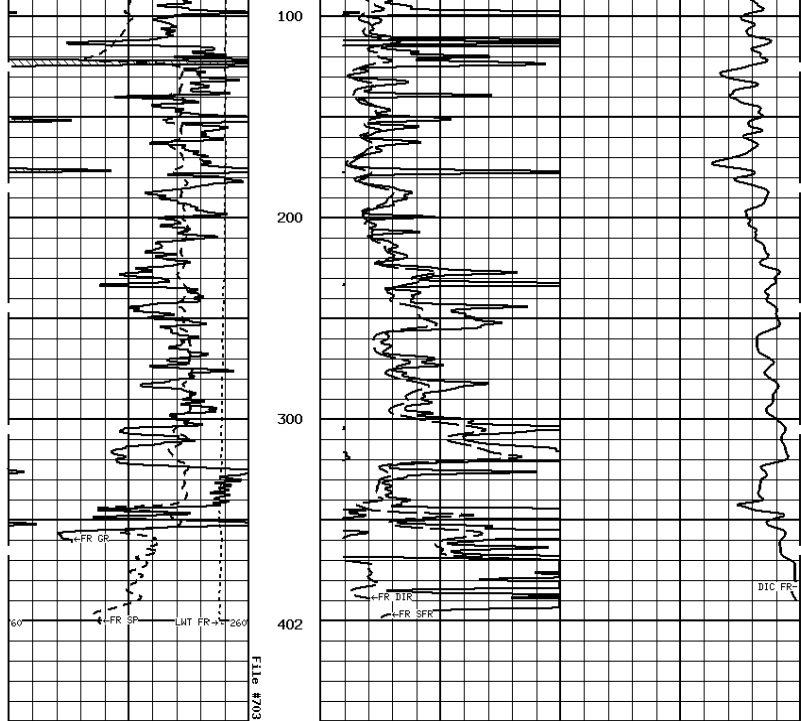
Internal

	Measured		Calibrated		Units
	Zero	Reference	Zero	Reference	
	32784.9	58942.3	0.0	1000.0	mV



1:1200 SECTION





1:1200 SECTION

