Tucker WIRELINE SERVICES

PHASED INDUCTION

SHALLOW FOCUS SP LOG

Company RUNNING FOXES PETROLEUM
Well DICKERSON #10-22B-3
Field BRONSON-XENIA
County ALLEN
State KANSAS
Country USA
API No. 15-001-30362-00-00

File No : TUL-57688
Company : RUNNING FOXES PETROLEUM INC.
Well : DICKERSON #10-22B-3
Field : BRONSON-XENIA
County : ALLEN
State : KANSAS
Country : USA
API No : 15-001-30362-00-00

Location :
2145' FSL & 2475' FEL
SW NW NW SE

LSD : **Sect :** 22 **Twp :** 24S **Rge :** 21E

Permanent Datum:	GL	**Elevations:**		**Services:**	
Drilling Measured From:	GL	**KB**	0.00 Ft	CNT	
Log Measured From:	GL	**DF**	0.00 Ft	LDT	
Above Permanent Datum:	0.00 Ft	**GL**	1102.00 Ft	PIT	

Date	04-19-2012						
Run Number	1						
Depth--Driller	941.0	Ft					
Depth--Logger	938.0	Ft					
First Reading	937.0	Ft					
Last Reading	22.0	Ft					
Casing--Driller	22.0	Ft					
Casing--Logger	22.0	Ft					
Bit Size	6.750	In					
Casing Size	8.625	In					
Hole Fluid Type	FRESH / NATIVE						
Density	0.0	LBS/GAL					
Fluid Loss	0.0	CC					
PH/Viscosity	0.0	0.0 SEC					
Sample Source	MEASURED						
RM@Measured Temp.	10.000 @ 80	F					
RMF@Measured Temp	8.500 @ 80	F					
RMC@Measured Temp.	11.500 @ 80	F					
Source RMF/RMC	CALCULATED	CALCULATED					
RM@BHT	9.400 @ 86	F					
Time Circulation Stopped							
Max Recorded Temp.	86	F					
Equipment/Base	123	TULSA					
Recorded By	R. FRANKLIN						
Witnessed By	C. COUNTS						

Bitsize Intervals

Size (In)	Bottom (Ft)
6.750	941.00

Casing Strings

Size (In)	Weight (Lbs)	Bottom (Ft)
8.625	32.00	22.00

Run Number	1	
Date	04-19-2012	
Date/Time On Bottom	04-19-2012 13:15	
Depth to Fluid	0.0 Ft	
Salinity	0.000 PPM	
RMF@BHT	8.000 @ 86 F	
RMC@BHT	10.700 @ 86 F	

Run Number 1

Comments

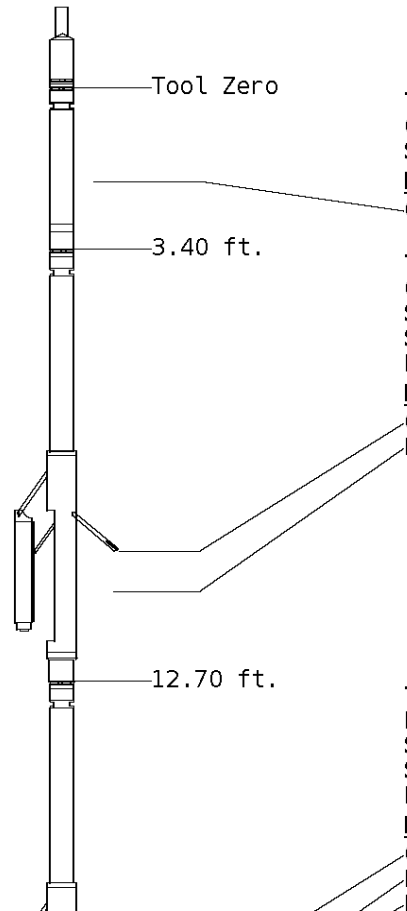
ALL PRESENTATIONS AS PER CUSTOMER REQUEST.
GRT, CNT, LDT, AND PIT RUN IN COMBINATION.
CALIPERS ORIENTED ON X-Y AXIS.
2.17 G/CC USED TO CALCULATED POROSITY.
ANNULAR HOLE VOLUME CALCULATED UISING 4.50" PRODUCTION CASING.
PHIN IS CALIPER CORRECTED.
REPEAT PULLED UP HOLE DUE TO STICKEY HOLE CONDITIONS AT BOTTOM.

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

OPERATORS:
J. THOMAS
N. LOYD

Tool String Schematic

Total Tool Length - 43.91 **ft.**
Maximum Outside diameter - 4.80 **in.**
Net Weight in Air - 743.00 **lbs.**



Tool: GRT-B **Length:** 3.40 **ft.** **O.D.** 3.60 **in.**
Gamma Ray Controller
Sonde ID :GRT-BC-41

Measure Point	Tool Offset	Stack Offset	Bottom Offset
GRP	2.00	2.00	41.91

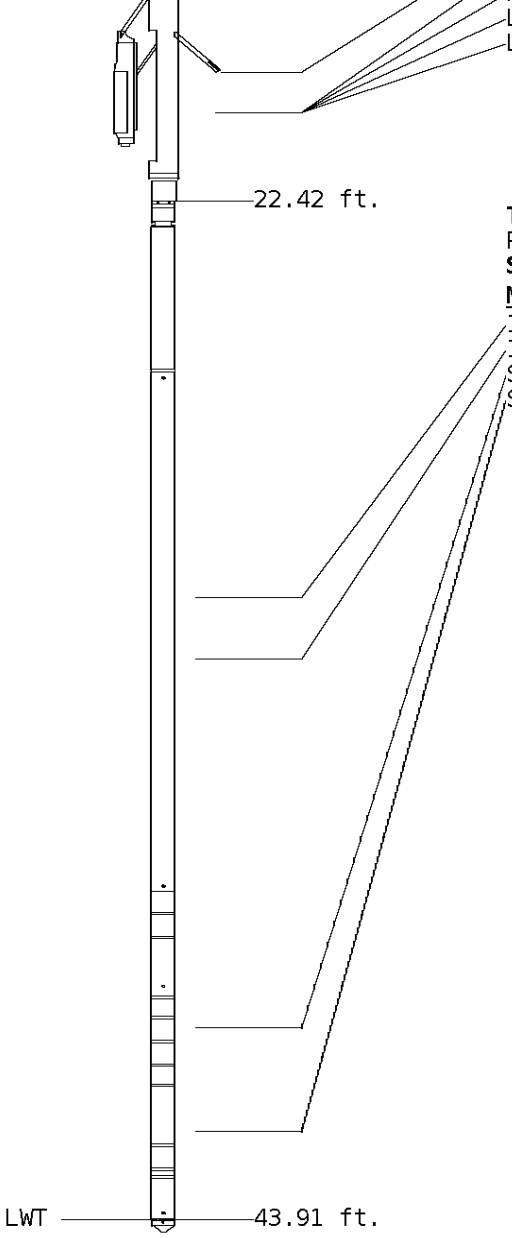
Tool: CNT-AA **Length:** 9.30 **ft.** **O.D.** 4.36 **in.**
Compensated Neutron A Pad on NDT-A
Sonde ID :NDT-BD-123
Source ID :N-1046
Pad ID :CNP-AA-024

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLCN	6.00	9.40	34.51
PHIN	6.80	10.20	33.71

Tool: LDT-DF **Length:** 9.72 **ft.** **O.D.** 4.80 **in.**
Litho Density D Pad on NDT-F
Sonde ID :PDT-GA-466
Source ID :2991GW
Pad ID :LDP-DA-067

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLLD	6.42	19.12	24.79
PEL	7.42	20.12	23.79
PES	7.82	20.52	23.39

LDEN	7.62	20.32	23.59
LCOR	7.62	20.32	23.59



Tool: PIT-CA **Length:** 21.49 **ft.** **O.D.** 3.62 **in.**
Phased Dual Induction w/ RM & D
Sonde ID :PIT-AC-022

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	31.34	12.56
ILM	10.10	32.52	11.39
SFLU	17.49	39.91	4.00
SP	20.60	43.02	0.88

Well File: RUN_DIC_10-22B-3_APR_19_STK **Scale:** 1:600
Segment: V1.D1.S4 MAIN **Acquired:** 2012-04/19 13:11 3.2.0-10367
Reference: 0 **Processed:** 2012-04/19 13:59 3.2.0-10367

TENSION
LBS
10000 — 0

SHALLOW FOCUSED RESISTIVITY
OHMM
0.0 — 500.0
0.0 — 50.0

SPONTANEOUS POTENTIAL
mV
→| |←20

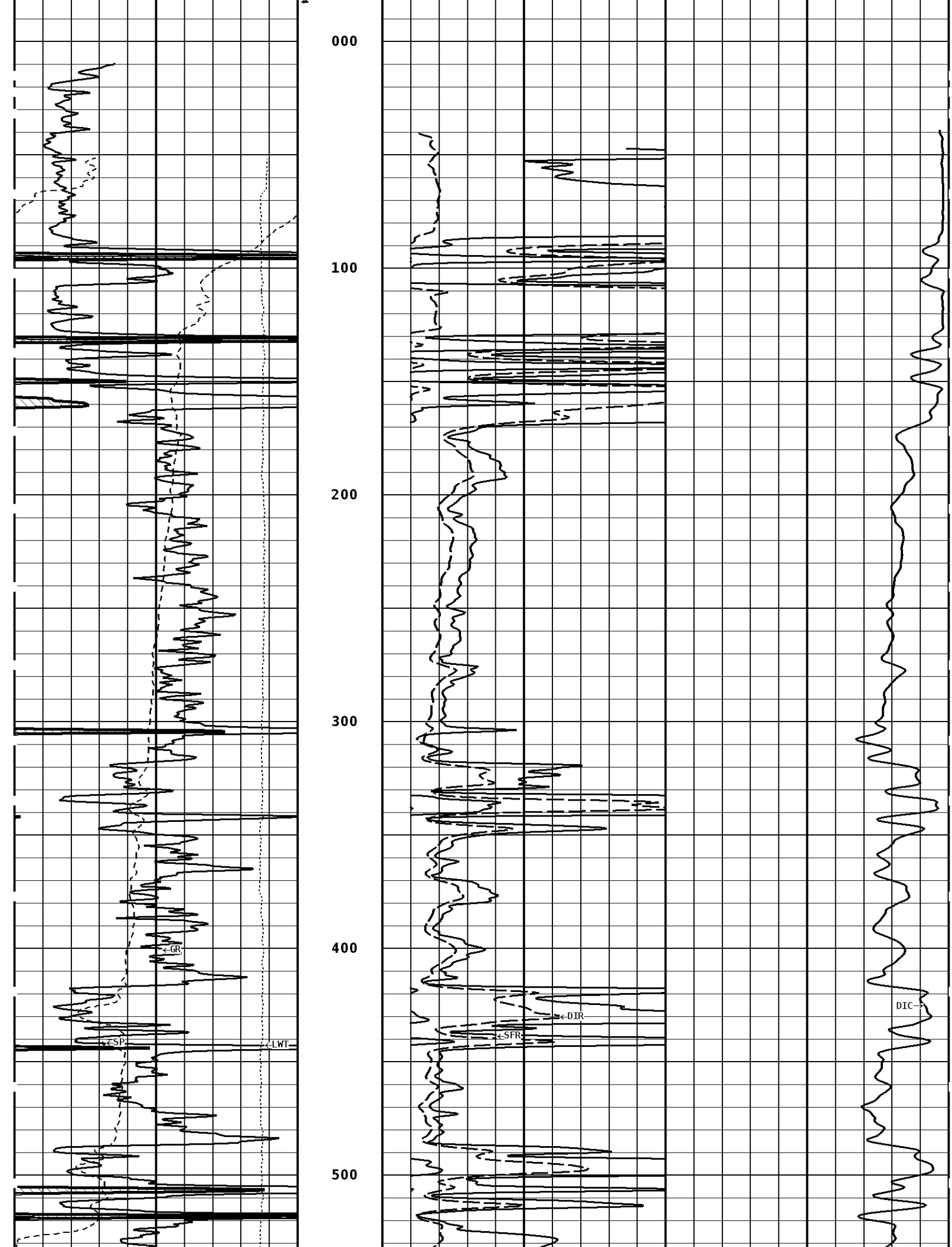
DEEP INDUCTION
OHMM
0.0 — 500.0
0.0 — 50.0

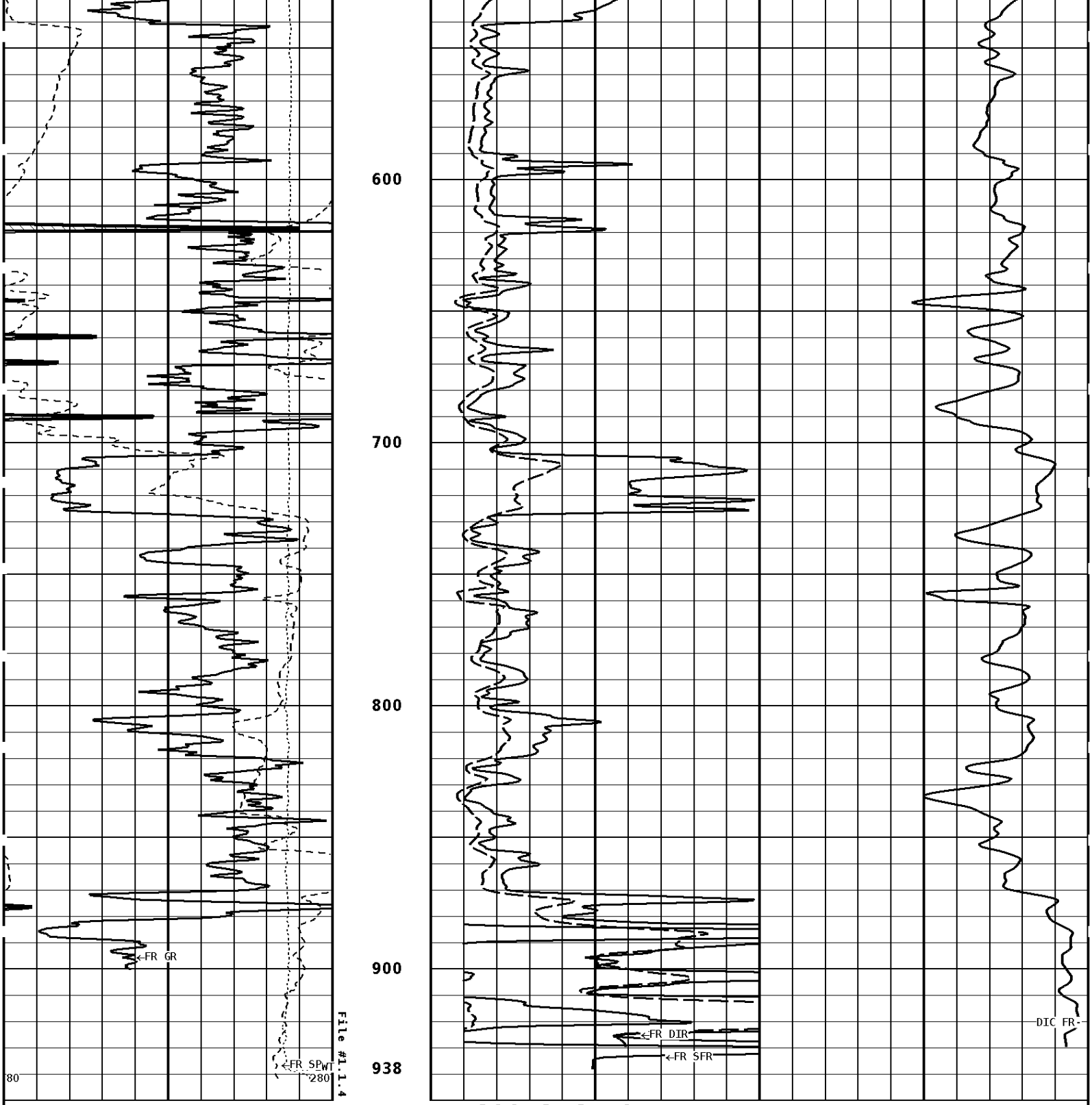
GAMMA RAY
API UNITS
200 — 400
0 — 200

DEEP CONDUCTIVITY
MMHO
2000 — 1000
1000 — 0

1:600 SECTION

File #1.1.1


000
100
200
300
400
500
GR
SP
LWT
DIR
SFR
DIC



1:600 SECTION

GAMMA RAY
API UNITS
200 400
0 200

DEEP CONDUCTIVITY
MMHO
2000 1000
1000 0

SPONTANEOUS POTENTIAL
mV
→ ←20

DEEP INDUCTION
OHMM
0.0 500.0
0.0 50.0

TENSION
LBS

SHALLOW FOCUSED RESISTIVITY
OHMM

10000	0
0.0	500.0
0.0	50.0

Well File: RUN_DIC_10-22B-3_APR_19_STK
Segment: V1.D1.S4 MAIN
Reference: 0

Scale: 1:240
Acquired: 2012-04/19 13:11 3.2.0-10367
Processed: 2012-04/19 13:59 3.2.0-10367

TENSION
LBS

10000 — 0

SPONTANEOUS POTENTIAL
mV

→| |←20

GAMMA RAY
API UNITS

200 — 400
0 — 200

SHALLOW FOCUSED RESISTIVITY
OHMM

0.2 — 2000.0

MEDIUM INDUCTION
OHMM

0.2 — 2000.0

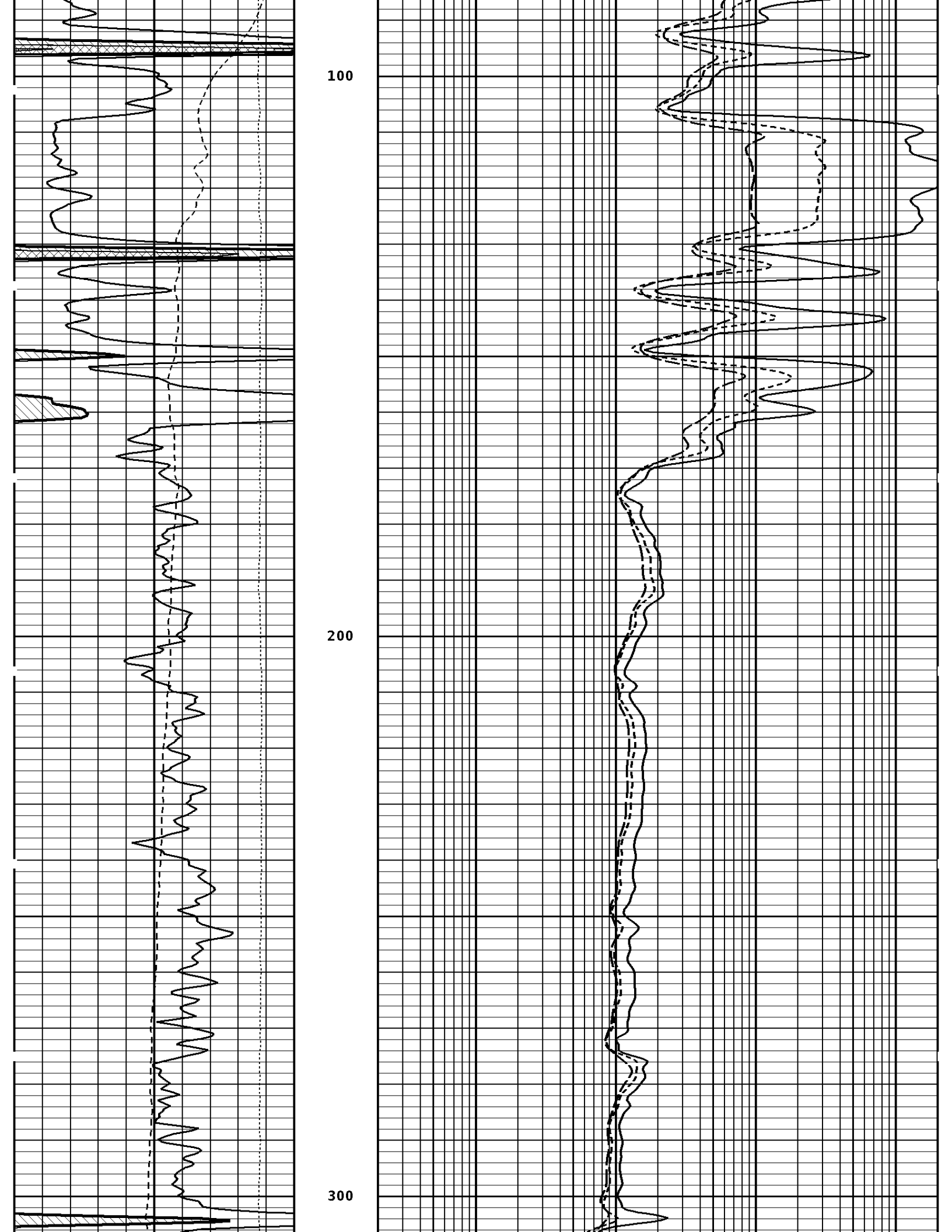
DEEP INDUCTION
OHMM

0.2 — 2000.0

1:240 MAIN SECTION

File #1.1.4

000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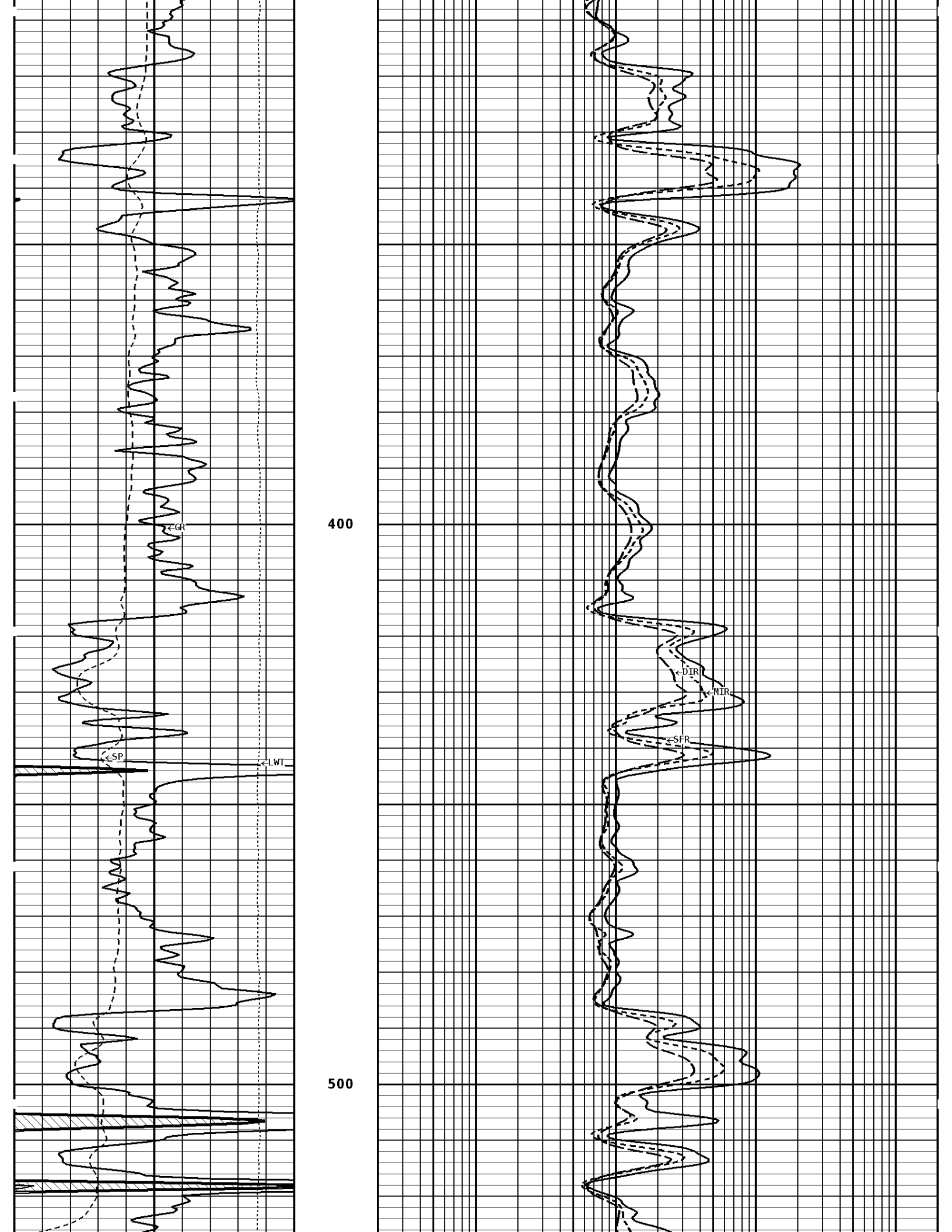
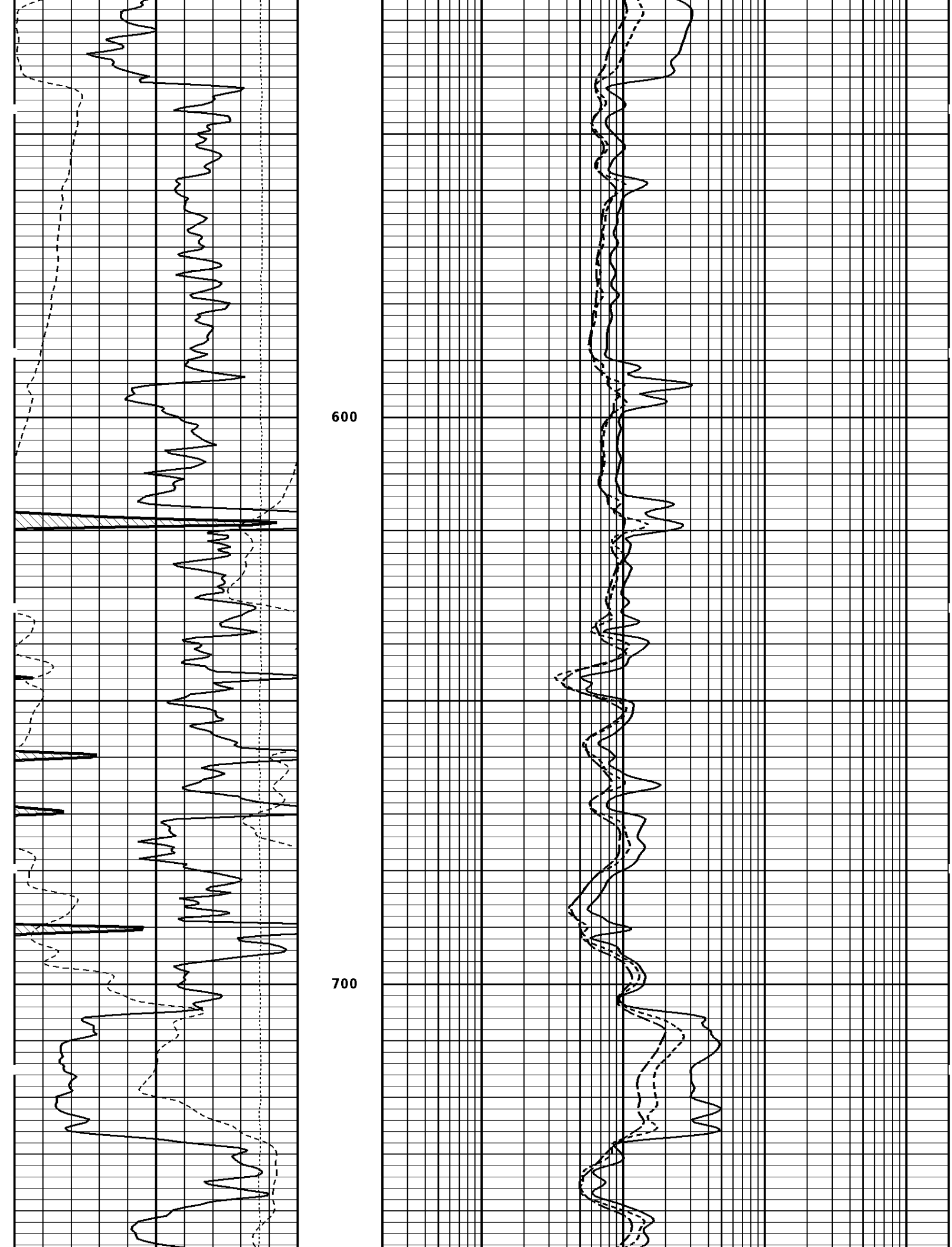
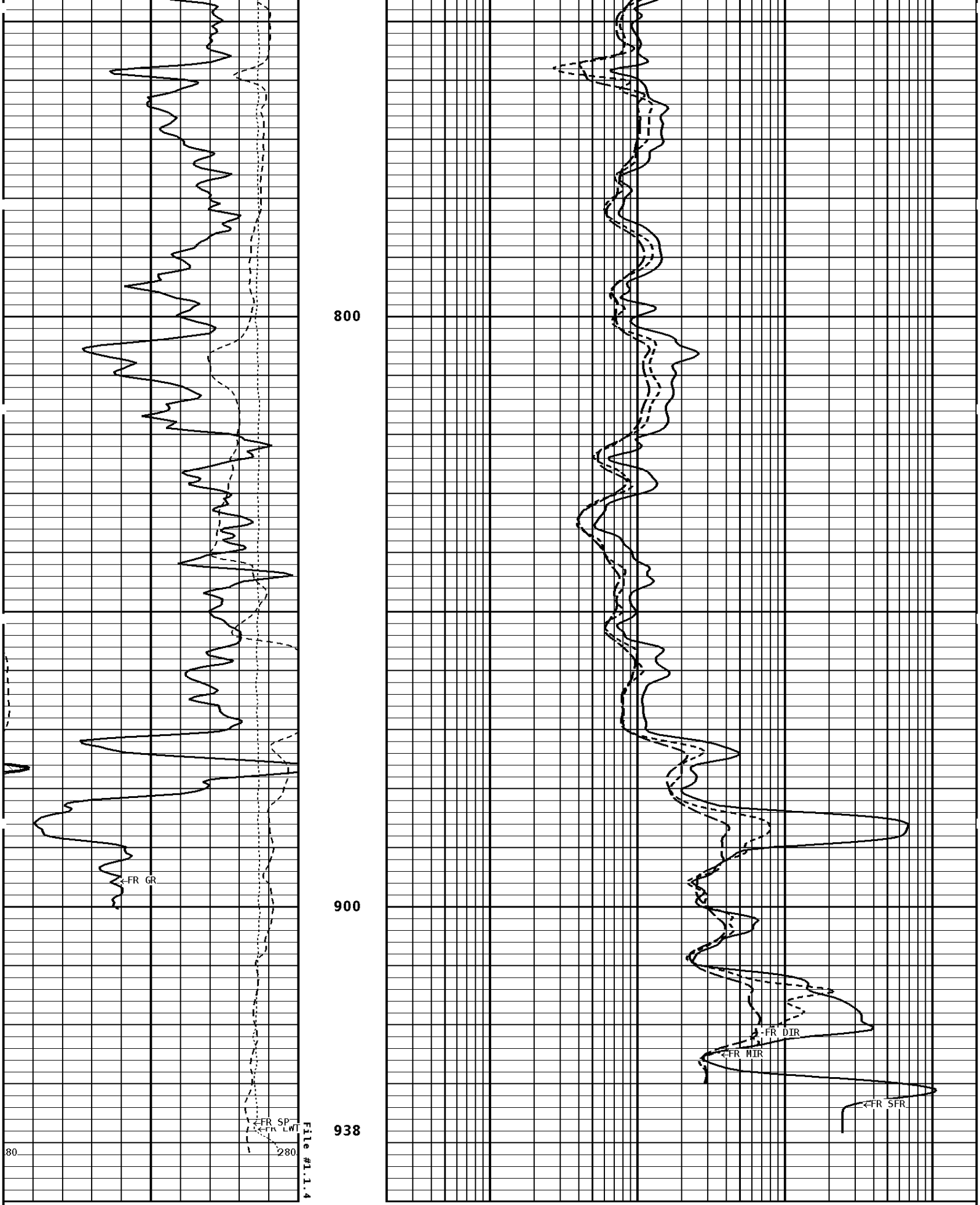
200
300


GR
SP
LWT
400
DIR
MIR
SFR
500


600
700



1:240 MAIN SECTION

GAMMA RAY
API UNITS
200 400
0 200

SPONTANEOUS POTENTIAL
mV
→| |←20

TENSION
LBS
10000 0

DEEP INDUCTION
OHMM
0.2 2000.0

MEDIUM INDUCTION
OHMM
0.2 2000.0

SHALLOW FOCUSED RESISTIVITY
OHMM
0.2 2000.0

*** Borehole Zone Factors ***

Zone 1 99999.0 to 0.0 Feet

Drill Bit Size	6.750	in
BHT Depth	941.000	ft
Borehole Temperature	86.0	degF
Temperature Gradient	1.00	DFHF
Resistivity Of Mud	10.000	ohm/m
Resistivity Of Mud Temperature	80.00	degF

Well File: RUN_DIC_10-22B-3_APR_19_STK **Scale:** 1:240
Segment: V1.D1.S5 REPEAT **Acquired:** 2012-04/19 13:42 3.2.0-10367
Reference: 0 **Processed:** 2012-04/19 13:59 3.2.0-10367

TENSION
LBS
10000 0

SHALLOW FOCUSED RESISTIVITY
OHMM
0.2 2000.0

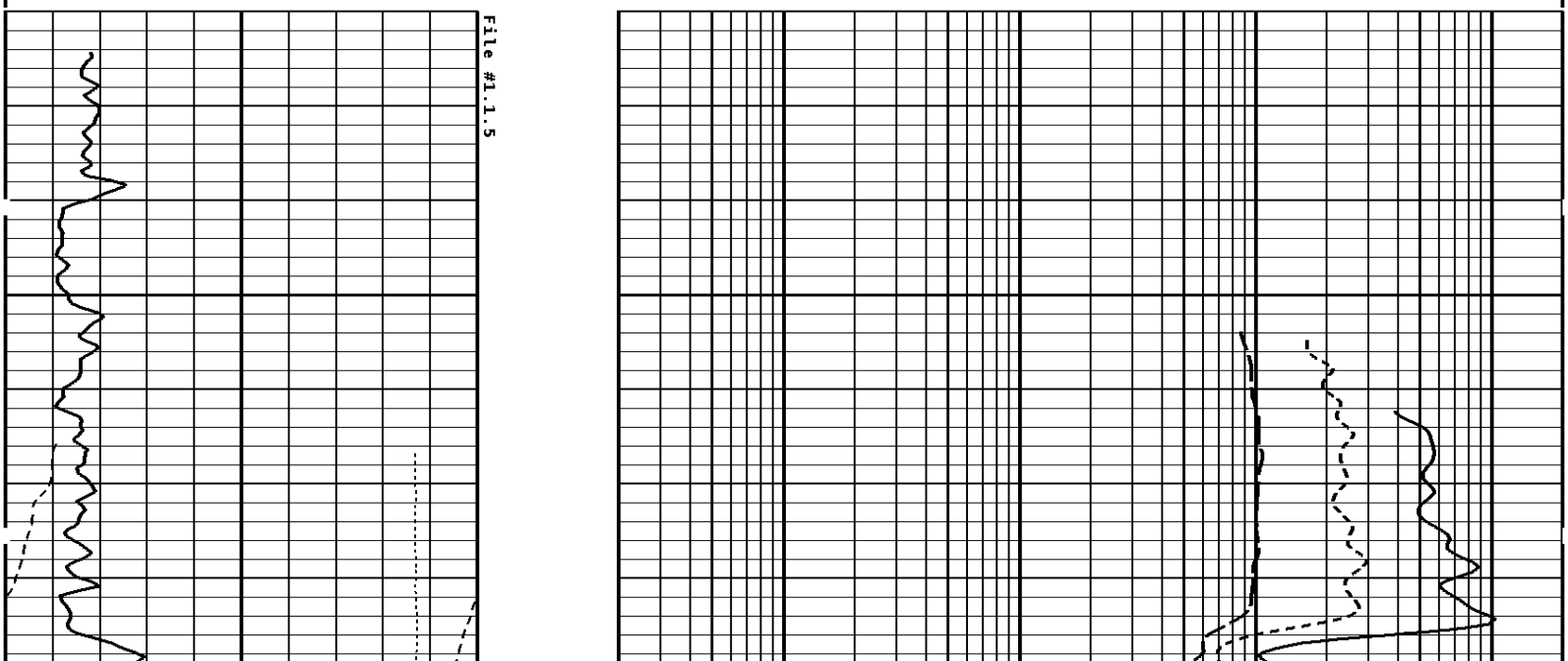
SPONTANEOUS POTENTIAL
mV
→| |←20

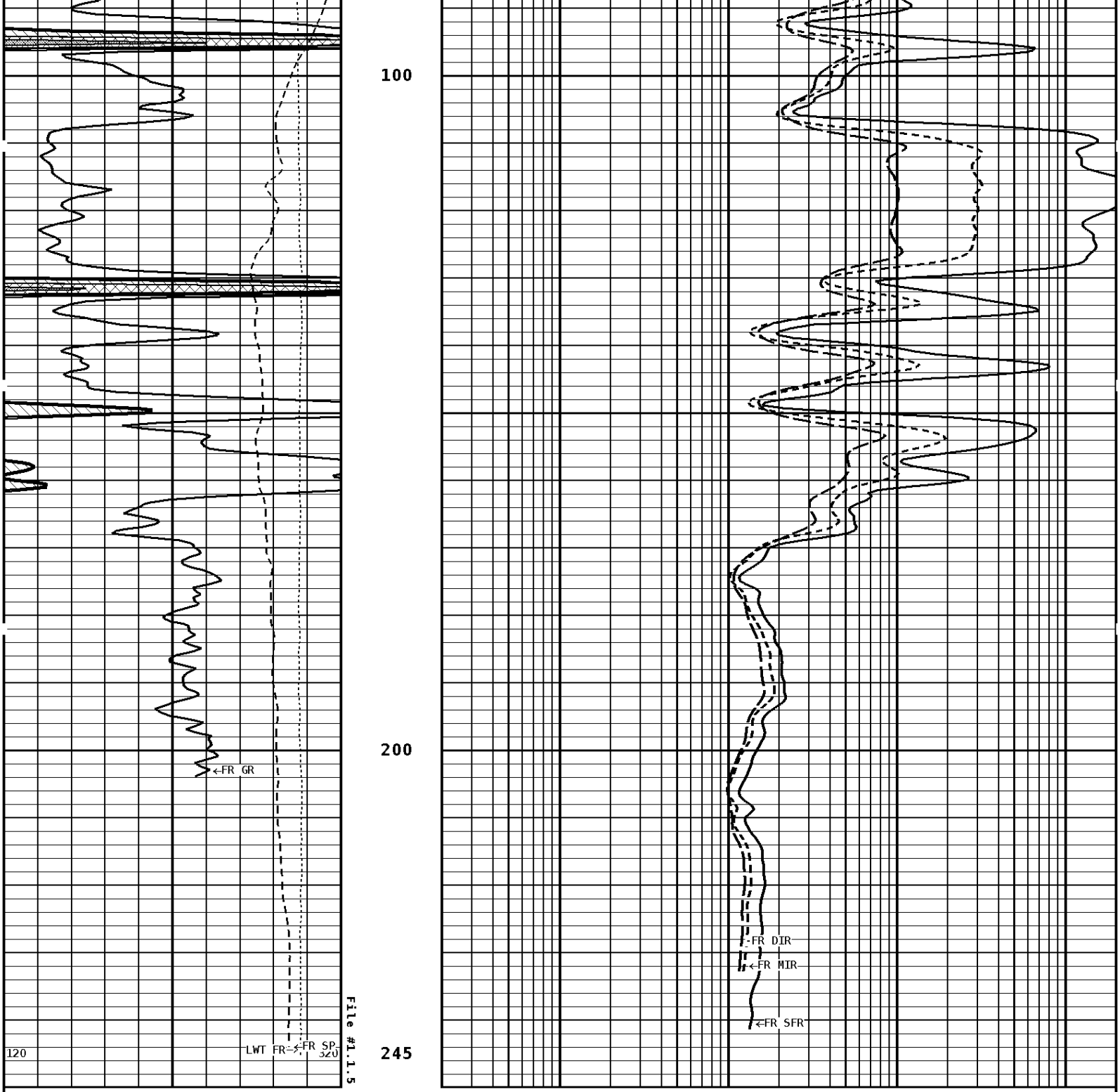
MEDIUM INDUCTION
OHMM
0.2 2000.0

GAMMA RAY
API UNITS
200 400
0 200

DEEP INDUCTION
OHMM
0.2 2000.0

1:240 REPEAT SECTION





1:240 REPEAT SECTION

GAMMA RAY
API UNITS
200 0 400 200

SPONTANEOUS POTENTIAL
mV
→| |←20

TENSION
LBS
10000 0

DEEP INDUCTION
OHMM
0.2 2000.0

MEDIUM INDUCTION
OHMM
0.2 2000.0

SHALLOW FOCUSED RESISTIVITY
OHMM
0.2 2000.0

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 Feet

Drill Bit Size	6.750	in
BHT Depth	941.000	ft
Borehole Temperature	86.0	degF
Temperature Gradient	1.00	DFHF
Resistivity Of Mud	10.000	ohm/m
Resistivity Of Mud Temperature	80.00	degF

* Calibration Summary *

Shop Calibration
GRT-B

Performed : 04-APR-2011 Time : 19:28
Sensor Suite : GR-GR5 ID : GRT-BC-41

	Measured Background	Measured Jig	Units	Calibrated Jig	Units
GR	46	346	CPS	175	GRAPI

Shop Calibration
PIT-CA

Performed : 09-MAR-2012 Time : 15:54
Sensor Suite : P-IND-T ID : PIT-AC-022

Medium

	Measured R	Measured X	Calibrated R	Calibrated X	Units
Air	129413	131202	-7.0	-7.0	MMHOS
Zero	131066	131071	65.6	-17.0	MMHOS
Reference	248746	249346	5065.6	4983.0	MMHOS
Loop	147468	174966	2610.2	1076.0	MMHOS
Sonde Error			-2.1	-6.8	MMHOS
Cond			5065.6	4983.0	MMHOS

Deep

	Measured R	Measured X	Calibrated R	Calibrated X	Units
Air	129586	130432	0.0	0.0	MMHOS
Zero	131077	131073	31.9	6.9	MMHOS
Reference	238783	239471	2031.9	2006.9	MMHOS
Loop	148920	177248	1222.8	504.8	MMHOS
Sonde Error			-0.8	-9.2	MMHOS
Cond			2031.9	2006.9	MMHOS

Temperature

Measured Low	Measured High	Calibrated Low	Calibrated High	Units
16980.0	56920.0	70.0	350.0	DEGF

Performed : 30-Jan-2012 Time : 11:24
Sensor Suite : SFL ID : PIT-AC-022

Internal

	Measured Zero	Measured Reference	Calibrated Zero	Calibrated Reference	Units
Im	32763.2	50516.1	0.0	7028.0	uA
Ib	32769.0	50217.9	0.0	1750.0	mA
MOM1	32796.4	60221.5	0.0	175.0	mV
Equivalent SFL				43.97	OHMM

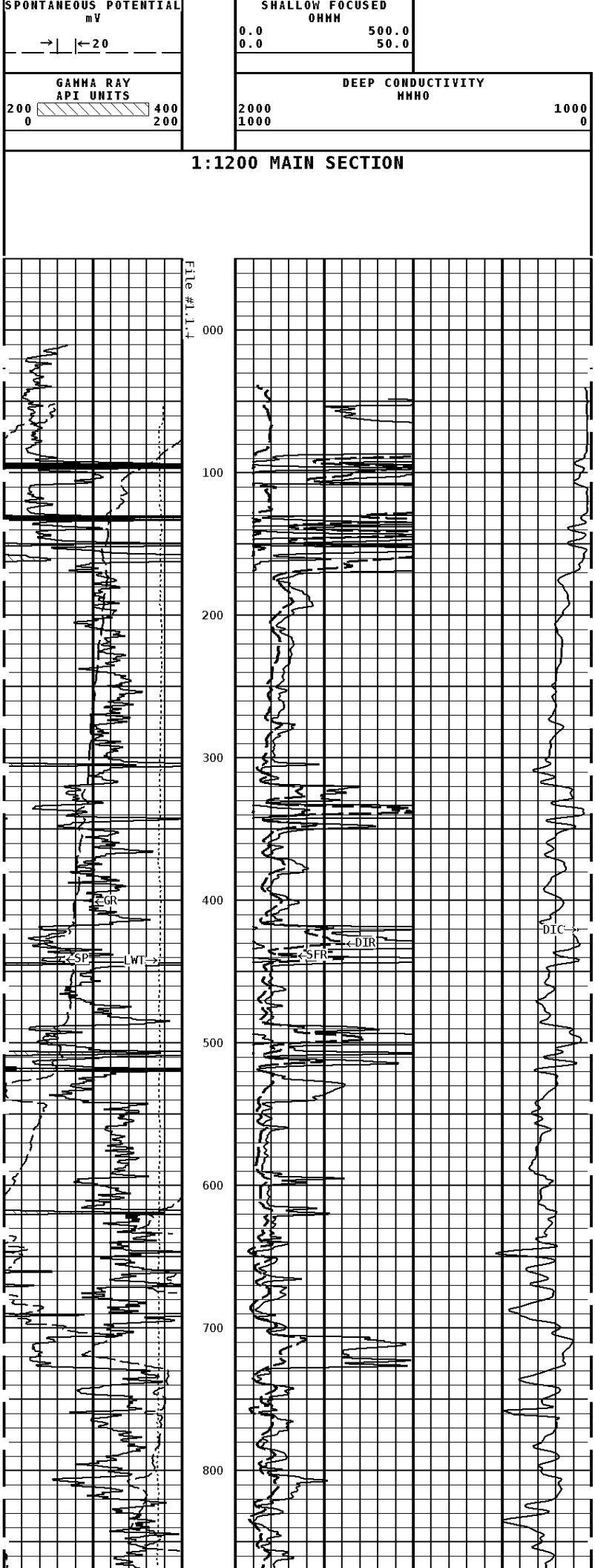
Performed : 30-Jan-2012 Time : 11:26
Sensor Suite : P-SP ID : PIT-AC-022

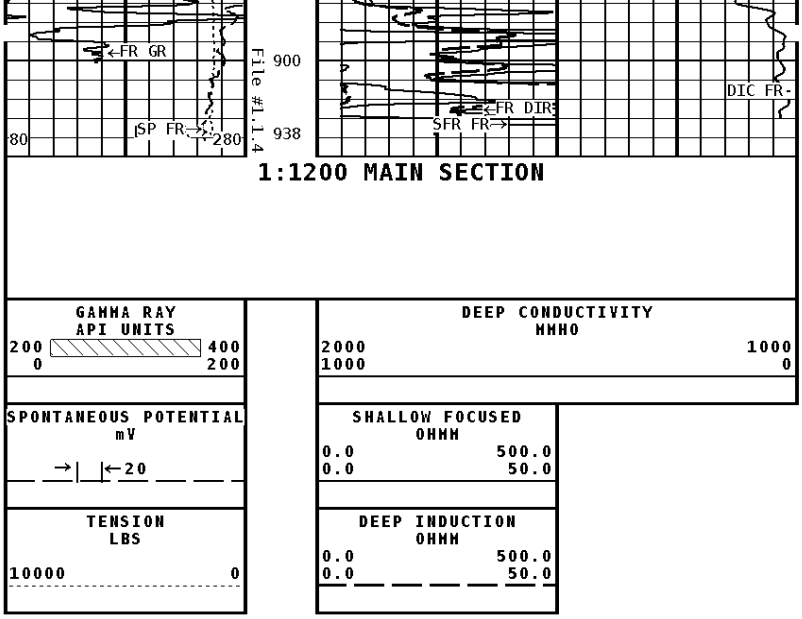
Internal

Measured Zero	Measured Reference	Calibrated Zero	Calibrated Reference	Units
32785.2	58904.5	0.0	1000.0	mV

Well File: RUN_DIC_10-22B-3_APR_19_STK **Scale:** 1:1200
Segment: V1.D1.S4 MAIN **Acquired:** 2012-04/19 13:11 3.2.0-10367
Reference: 0 **Processed:** 2012-04/19 13:59 3.2.0-10367

TENSION LBS		DEEP INDUCTION OHMM	
10000	0	0.0	500.0
		0.0	50.0


SPONTANEOUS POTENTIAL
mV
→| |←20
SHALLOW FOCUSED
OHMM
0.0
500.0
0.0
50.0
GAMMA RAY
API UNITS
200
400
0
200
DEEP CONDUCTIVITY
MMHO
2000
1000
1000
0
1:1200 MAIN SECTION
File #1.1.1
000
100
200
300
400
500
600
700
800
GR
SP
LWT→
SFR
DIR
DIC→


←FR GR
SP FR→
←280
80
File #1.1.4
900
938
←FR DIR
SFR FR→
DIC FR-
1:1200 MAIN SECTION
GAMMA RAY
API UNITS
200
400
0
200
DEEP CONDUCTIVITY
MMHO
2000
1000
1000
0
SPONTANEOUS POTENTIAL
mV
→|←20
SHALLOW FOCUSED
OHMM
0.0
500.0
0.0
50.0
TENSION
LBS
10000
0
DEEP INDUCTION
OHMM
0.0
500.0
0.0
50.0