Tucker WIRELINE SERVICES

PHASED INDUCTION SHALLOW FOCUS SP LOG

Company RUNNING FOXES PETROLEUM
Well DUNLOP #1-12
Field WILDCAT
County BOURBON
State KANSAS
Country USA
API No. 15-011-23853-0000

File No : TUL-57002
Company : RUNNING FOXES PETROLEUM INC.
Well : DUNLOP #1-12
Field : WILDCAT
County : BOURBON
State : KANSAS
Country : USA
API No : 15-011-23853-0000

Location :
660' FNL & 660' FEL
NE NE

LSD : **Sect :** 12 **Twp :** 24S **Rge :** 22E

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**	853.00	Ft	PIT

Date	2012-03-27							
Run Number	1							
Depth--Driller	642.0	Ft						
Depth--Logger	640.0	Ft						
First Reading	640.0	Ft						
Last Reading	36.0	Ft						
Casing--Driller	36.0	Ft						
Casing--Logger	36.0	Ft						
Bit Size	6.750	In						
Casing Size	8.625	In						
Hole Fluid Type	FRESH							
Density	0.0	LBS/GAL						
Fluid Loss	0.0	CC						
PH/Viscosity	0.0	0.0 SEC						
Sample Source	MEASURED							
RM@Measured Temp.	4.000 @ 70 F							
RMF@Measured Temp	3.200 @ 70 F							
RMC@Measured Temp.	4.800 @ 70 F							
Source RMF/RMC	CALCULATED	CALCULATED						
RM@BHT	3.520 @ 80 F							
Time Circulation Stopped	2012-03-27 06:16							
Max Recorded Temp.	80 F							
Equipment/Base	TRK 127	TULSA						
Recorded By	SHELDON TYLER							
Witnessed By	C. COUNTS							

Bitsize Intervals

Size (In)	Bottom (Ft)
6.750	642.00

Casing Strings

Size (In)	Weight (Lbs)	Bottom (Ft)
8.625	32.00	36.00

Run Number	1		
Date	2012-03-27		
Date/Time On Bottom	2012-03-27 08:15		
Depth to Fluid	0.0	Ft	
Salinity	0.000	PPM	
RMF@BHT	0.820 @ 80	F	
RMC@BHT	4.220 @ 80	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.
2.71 G/CC USED TO CALCULATED POROSITY.
ANNULAR HOLE VOLUME CALCULATED UISING 4.5" PRODUCTION CASING.

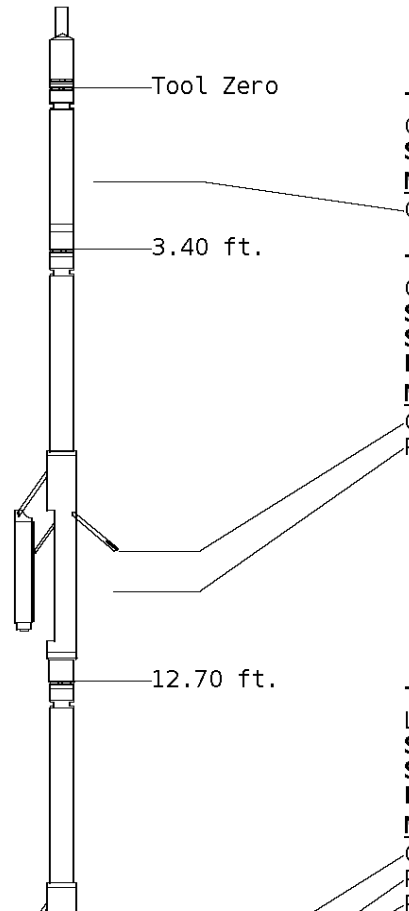
GRT: GRP, GRX
CNT: PHIN, CLCNIN, PHXN
LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN, PRXL, PECLX, LDENNX, LCORX

PIT: ILD, ILM, SPU, SFLAEC

OPERATORS:
M.BURKE
A.DJAHO

Tool String Schematic

Total Tool Length - 43.49 **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-BA-121

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

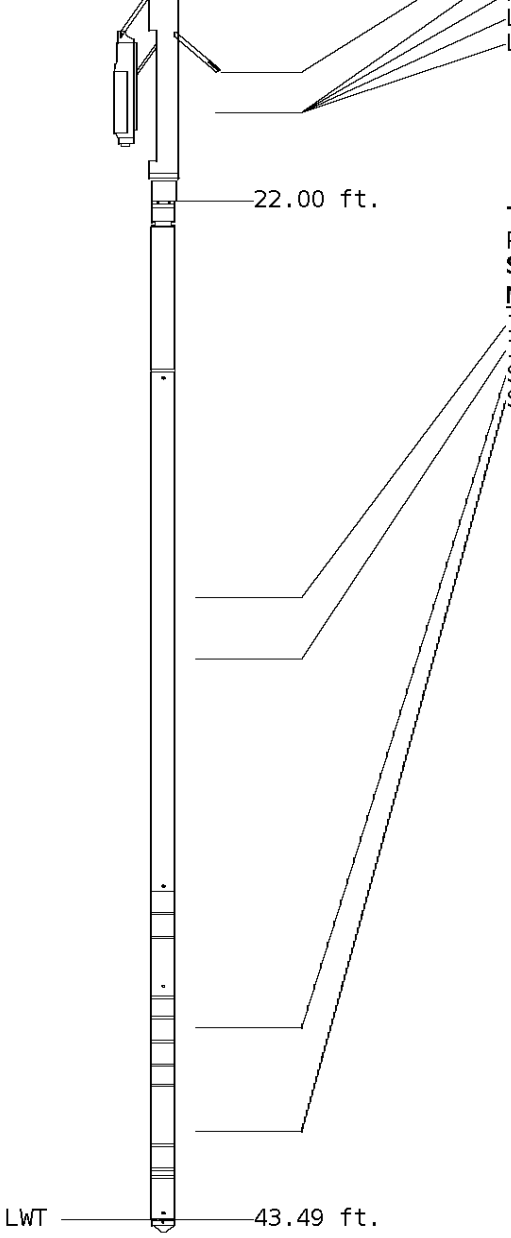
Tool: CNT-AA **Length:** 9.30 **ft.** **O.D.** 4.36 **in.**
Compensated Neutron A Pad on NDT-A
Sonde ID :NDT-BB-115
Source ID :N-1044
Pad ID :CNP-AA-116

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLCN	6.00	9.40	34.09
PHIN	6.80	10.20	33.29

Tool: LDT-DA **Length:** 9.30 **ft.** **O.D.** 4.80 **in.**
Litho Density D Pad on NDT-A
Sonde ID :PDT-GA-469
Source ID :CSV-587
Pad ID :LDP-DA-02

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLLD	6.00	18.70	24.79
PEL	7.00	19.70	23.79
PES	7.40	20.10	23.39

LDEN	7.20	19.90	23.59
LCOR	7.20	19.90	23.59



Tool: PIT-CA **Length:** 21.49 **ft.** **O.D.** 3.62 **in.**
Phased Dual Induction w/ RM & D
Sonde ID :PIT-AC-13

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

Well File: RFP_DUNLOP_1-12_MAR27_STK **Scale:** 1:600
Segment: V1.D1.S5 Reprocess of MAIN **Acquired:** 2012-03/27 09:11 3.2.0-10367
Reference: 0 **Processed:** 2012-03/27 09:27 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

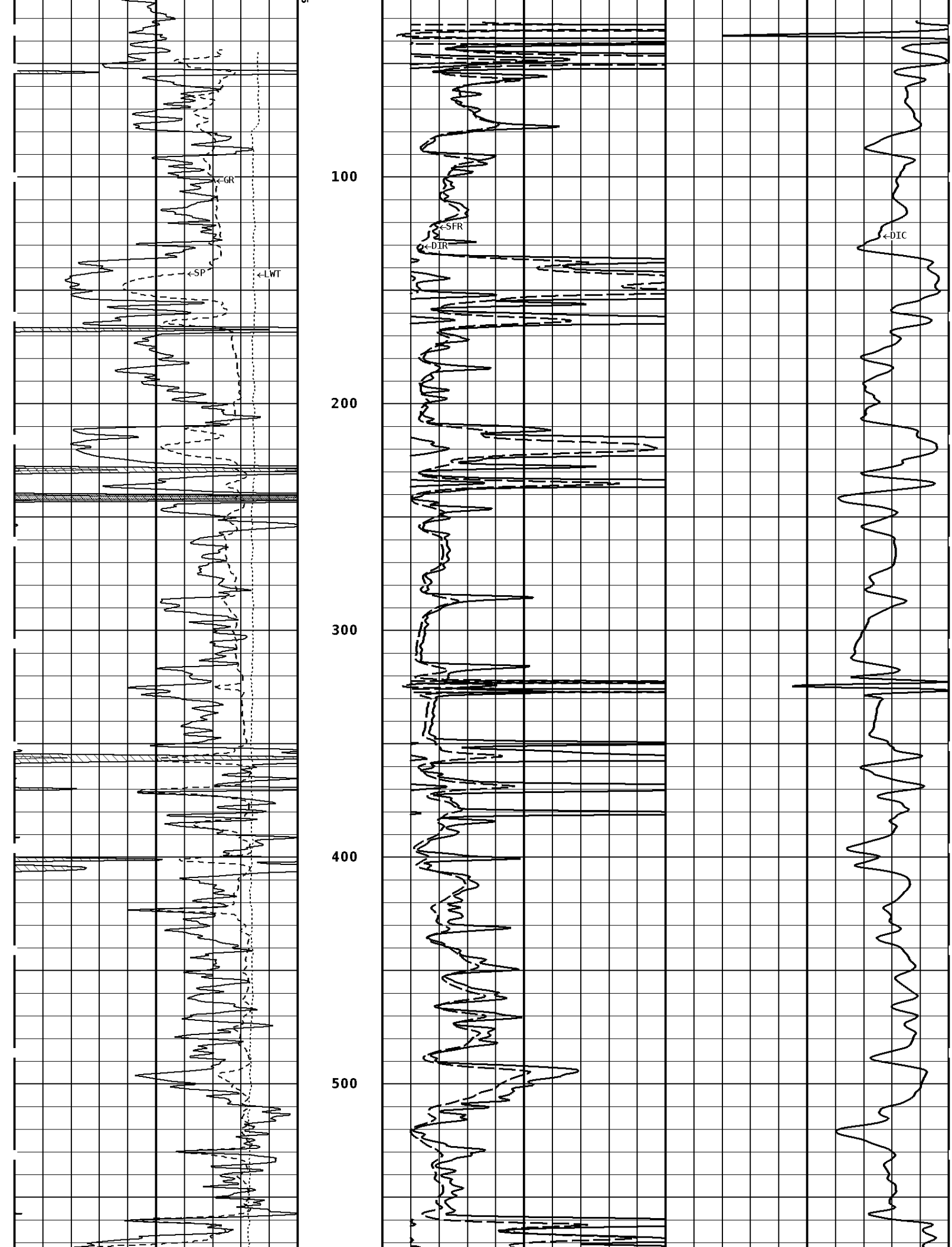
GAMMA RAY
API UNITS
200 — 400
0 — 200

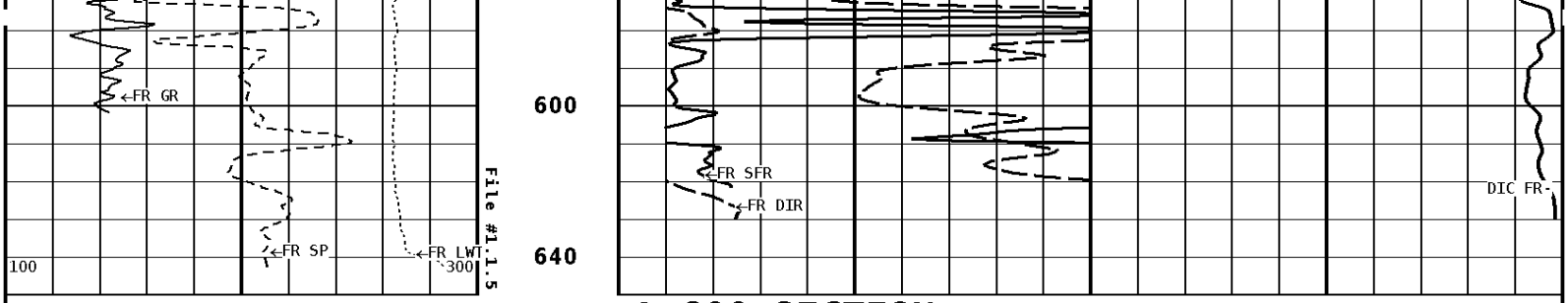
DEEP CONDUCTIVITY
MMHO
2000 — 1000
1000 — 0

1:600 SECTION
2 INCH

File #1.1.3

000


GR
SP
LWT
SFR
DIR
DIC
100
200
300
400
500



1:600 SECTION

2 INCH

GAMMA RAY
API UNITS
200 400
0 200

SPONTANEOUS POTENTIAL
mV
→| |←20

TENSION
LBS
10000 0

DEEP CONDUCTIVITY
MMHO
2000 1000
1000 0

DEEP INDUCTION
OHMM
0.0 500.0
0.0 50.0

SHALLOW FOCUSED RESISTIVITY
OHMM
0.0 500.0
0.0 50.0

Well File: RFP_DUNLOP_1-12_MAR27_STK
Segment: V1.D1.S5 Reprocess of MAIN
Reference: 0

Scale: 1:240
Acquired: 2012-03/27 09:11 3.2.0-10367
Processed: 2012-03/27 09:27 3.2.0-10367

TENSION
LBS
10000 0

SPONTANEOUS POTENTIAL
mV
→| |←20

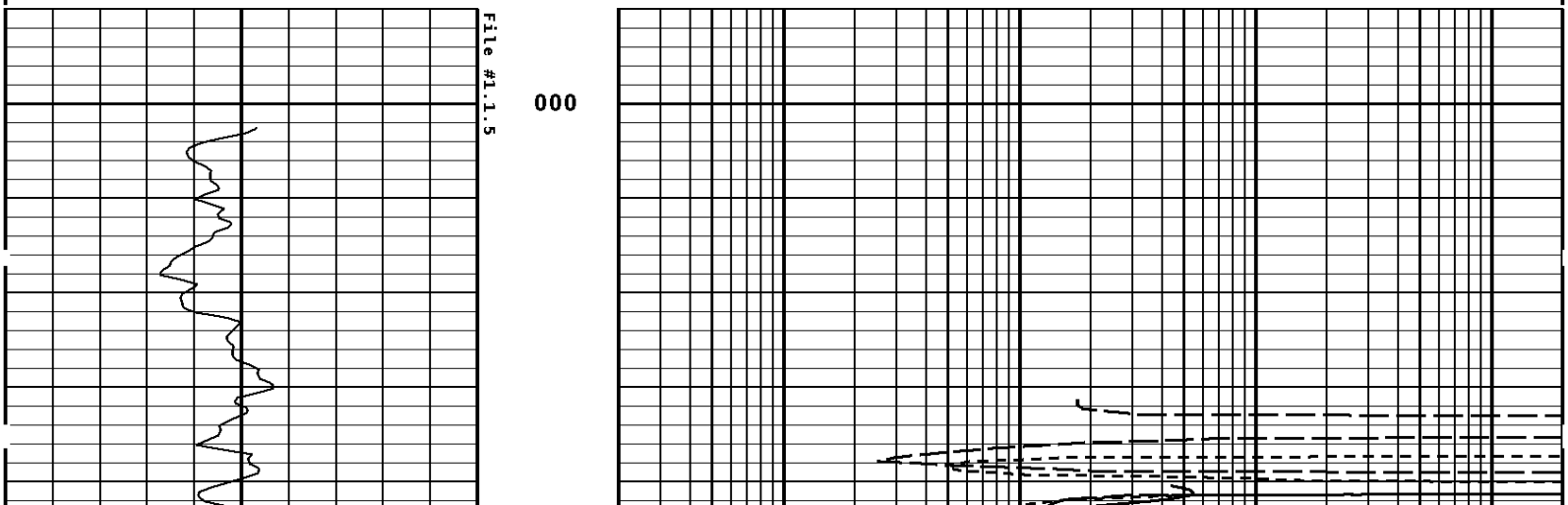
GAMMA RAY
API UNITS
200 400
0 200

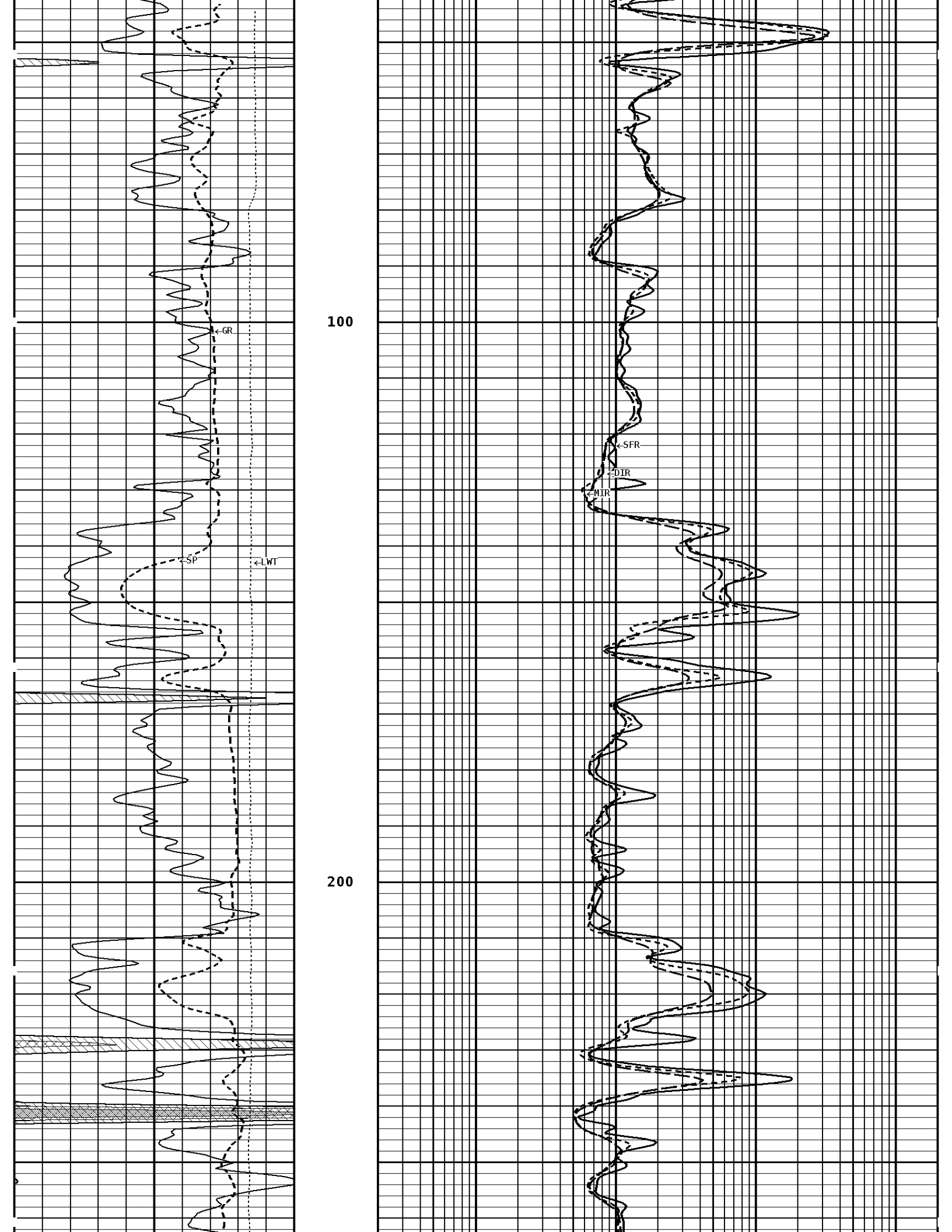
SHALLOW FOCUSED RESISTIVITY
OHMM
0.2 2000.0

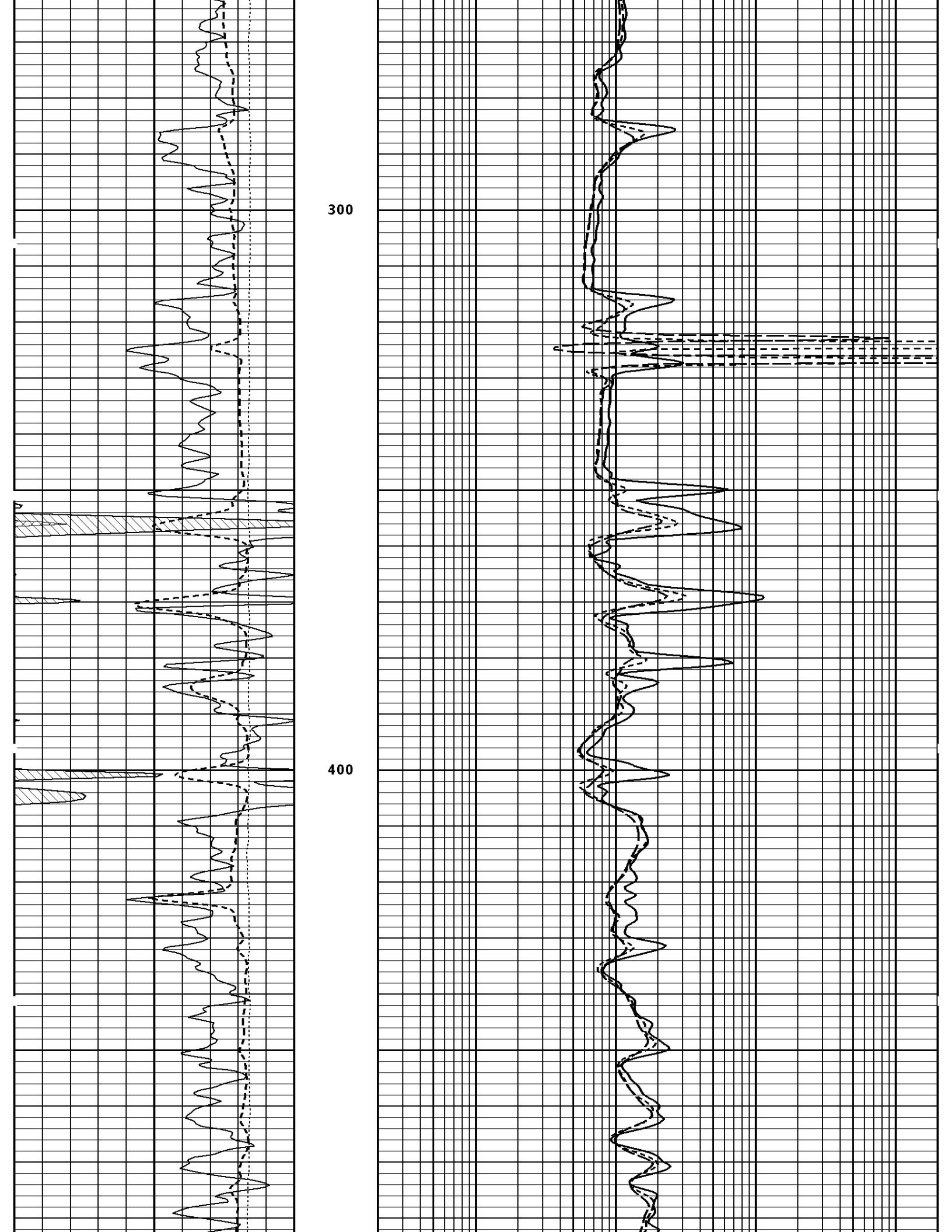
MEDIUM INDUCTION
OHMM
0.2 2000.0

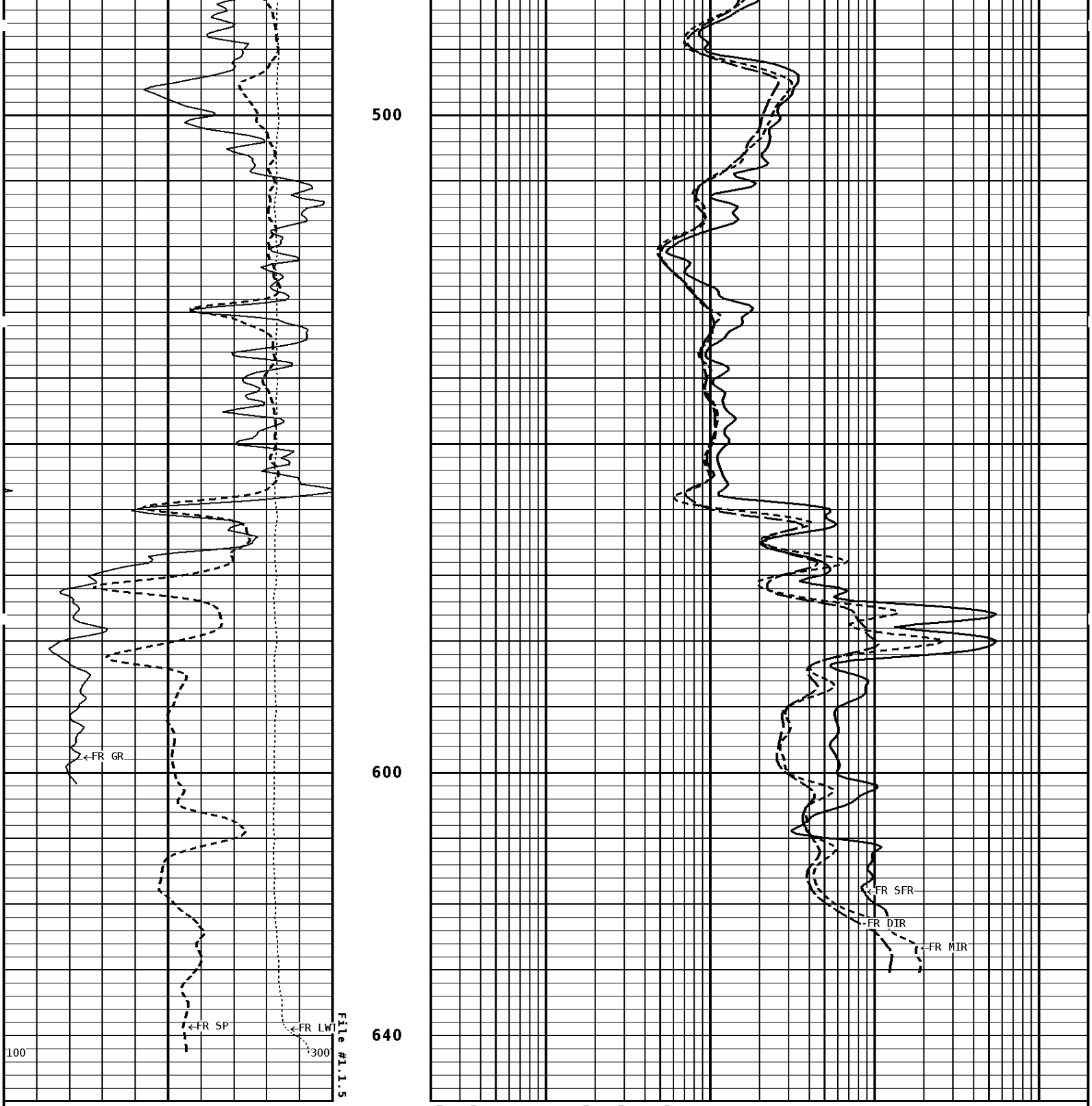
DEEP INDUCTION
OHMM
0.2 2000.0

1:240 MAIN SECTION




100
200
←GR
←SP
←LWT
←SFR
←DIR
←MIR


300
400



1:240 MAIN SECTION

GAMMA RAY
API UNITS
200 0 400 200

SPONTANEOUS POTENTIAL
mV
→| |←20

TENSION
LBS

DEEP INDUCTION
OHMM
0.2 2000.0

MEDIUM INDUCTION
OHMM
0.2 2000.0

SHALLOW FOCUSED RESISTIVITY
OHMM

10000	0

0.2	2000.0

*** Borehole Zone Factors ***

Zone 1 99999.0 to 0.0 Feet

Drill Bit Size	6.750	in
BHT Depth	642.000	ft
Borehole Temperature	80.0	degF
Temperature Gradient	1.00	DFHF
Resistivity Of Mud	0.200	ohm/m
Standoff	0.0	
Resistivity Of Mud Temperature	70.00	degF

Well File: RFP_DUNLOP_1-12_MAR27_STK **Scale:** 1:240
Segment: V1.D1.S3 Reprocess of REPEAT **Acquired:** 2012-03/27 09:00 3.2.0-10367
Reference: 0 **Processed:** 2012-03/27 09:07 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

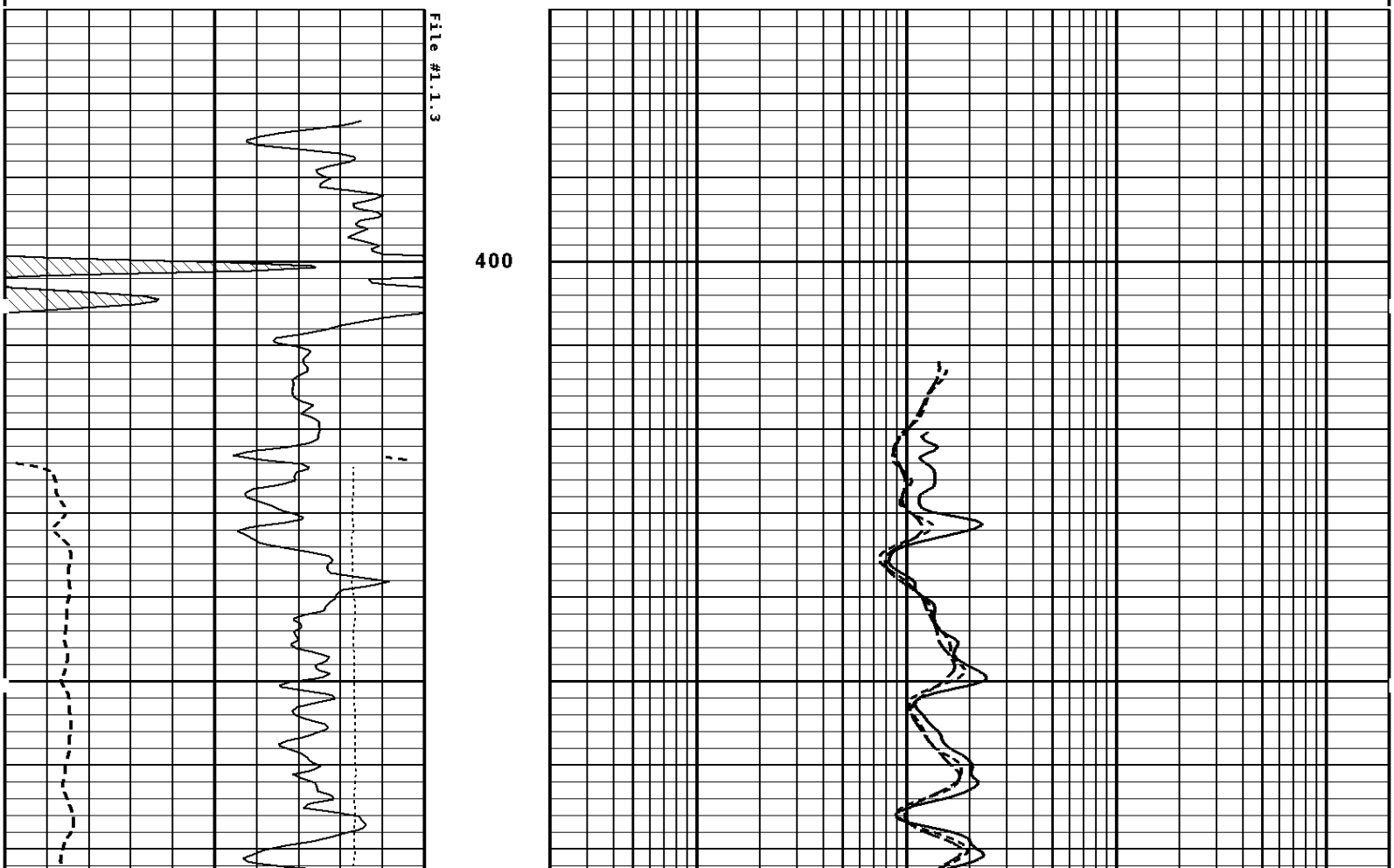
MEDIUM INDUCTION
OHMM

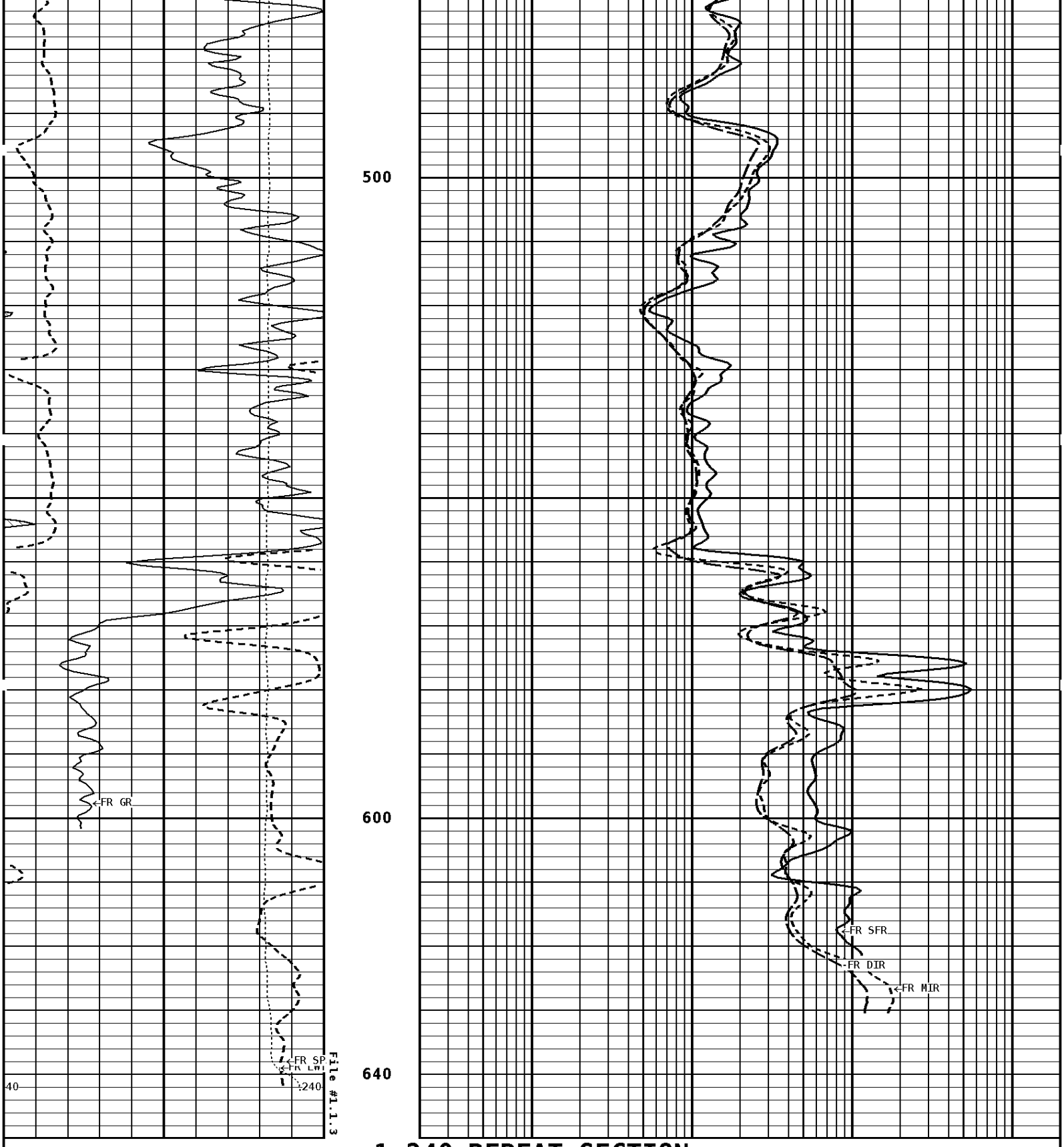
0.2 2000.0

DEEP INDUCTION
OHMM

0.2 2000.0

1:240 REPEAT SECTION





1:240 REPEAT SECTION

GAMMA RAY
API UNITS

200 | 400
0 | 200

DEEP INDUCTION
OHMM

0.2 | 2000.0

SPONTANEOUS POTENTIAL
mV

→| |←20

MEDIUM INDUCTION
OHMM

0.2 | 2000.0

TENSION LBS	
10000	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	642.000	ft
Borehole Temperature	80.0	degF
Temperature Gradient	1.00	DFHF
Resistivity Of Mud	0.200	ohm/m
Standoff	0.0	
Resistivity Of Mud Temperature	70.00	degF

* Calibration Summary *

Shop Calibration GRT-B

Performed : 16-May-2011 Time : 10:12
Sensor Suite : GR-GR5 ID : GRT-BA-121

	Measured Background	Measured Jig	Units	Calibrated Jig	Units
GR	51	355	CPS	175	GRAPI

Shop Calibration PIT-CA

Performed : 30-Jan-2012 Time : 11:54
Sensor Suite : P-IND-T ID : PIT-AC-13

Medium

	Measured R	Measured X	Calibrated R	Calibrated X	Units
Air	136365	125049	0.0	0.0	MMHOS
Zero	131065	131066	-36.4	57.9	MMHOS
Reference	251107	249423	4963.6	5057.9	MMHOS
Loop	157393	168994	2732.3	980.6	MMHOS
Sonde Error			-11.9	-380.7	MMHOS
Cond			4963.6	5057.9	MMHOS

Deep

	Measured R	Measured X	Calibrated R	Calibrated X	Units
Air	132977	127485	0.0	0.0	MMHOS
Zero	131089	131070	24.9	12.0	MMHOS
Reference	237110	236051	2024.9	2012.0	MMHOS
Loop	154740	173084	1279.3	458.2	MMHOS
Sonde Error			4.2	-116.9	MMHOS
Cond			2024.9	2012.0	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 : 12:01
Sensor Suite : SFL ID : PIT-AC-13

Internal

	Measured Zero	Measured Reference	Calibrated Zero	Calibrated Reference	Units
Im	32767.9	49251.2	0.0	7028.0	uA
Ib	32770.9	49303.8	0.0	1750.0	mA
MOM1	32786.1	60265.8	0.0	175.0	mV
Equivalent SFL				43.97	OHMM

Performed : 30-Jan-2012 Time : 12:03
Sensor Suite : P-SP ID : PIT-AC-13

Internal

Measured Zero	Measured Reference	Calibrated Zero	Calibrated Reference	Units
32769.2	58922.1	0.0	1000.0	mV

Performed : 07-JAN-2010 Time : 13:25
Sensor Suite : P-RMUD ID : PIT-AC-13

Internal

	Measured		Calibrated		
	Zero	Reference	Zero	Reference	Units
Rmi	0.0	34825.0	0.0	290.6	mA
Rmv	0.0	34825.0	0.0	290.6	mV
Equivalent Rm				0.0871	OHMM