Tucker WIRELINE SERVICES

DUAL INDUCTION RESISTIVITY LOG

Company RUNNING FOXES PETROLEUM
Well PAYNE 10-33B-3
Field WILDCAT
County BOURBON
State OKLAHOMA
Country USA
API No. 15-011-23774-00-00

File No : TUL-55984
Company : RUNNING FOXES PETROLEUM INC
Well : PAYNE 10-33B-3
Field : WILDCAT
County : BOURBON
State : OKLAHOMA
Country : USA
API No : 15-011-23774-00-00

Location :
2040' FSL & 2430' FEL
SW NW NW SE

LSD : **Sect :** 33 **Twp :** 23S **Rge :** 25E

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**	791.00	Ft	PIT

Date	2011-10-12			
Run Number	1			
Depth--Driller	465.0 Ft			
Depth--Logger	462.0 Ft			
First Reading	462.0 Ft			
Last Reading	20.0 Ft			
Casing--Driller	20.0 Ft			
Casing--Logger	20.0 Ft			
Bit Size	6.750 In			
Casing Size	8.625 In			
Hole Fluid Type	NATIVE/FRESH			
Density	0.0 LBS/GAL			
Fluid Loss	0.0 CC			
PH/Viscosity	0.0	0.0 SEC		
Sample Source	CALCULATED			
RM@Measured Temp.	2.000 @ 79 F			
RMF@Measured Temp	1.800 @ 79 F			
RMC@Measured Temp.	2.200 @ 79 F			
Source RMF/RMC				
RM@BHT	2.000 @ 79 F			
Time Circulation Stopped	2011-10-12 13:00			
Max Recorded Temp.	79 F			
Equipment/Base	TRK 127	TULSA		
Recorded By	B.BAILEY			
Witnessed By	C.COUNTS			

Bitsize Intervals

Size (In)	Bottom (Ft)
6.750	20.00

Casing Strings

Size (In)	Weight (Lbs)	Bottom (Ft)
8.625	32.00	20.00

Run Number	1	
Date	2011-10-12	
Date/Time On Bottom	2011-10-12 19:15	
Depth to Fluid	0.0 Ft	
Salinity	0.000 PPM	
RMF@BHT	1.800 @ 79 F	
RMC@BHT	2.200 @ 79 F	

Run Number 1

Comments

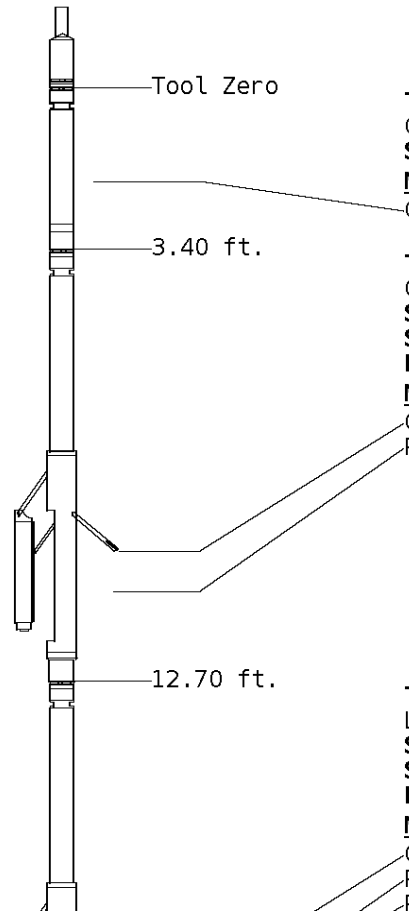
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
GRT, CNT, LDT, MLT AND PIT RUN IN COMBINATION.
CALIPERS ORIENTED ON X-Y AXIS.
2.71 G/CC USED TO CALCULATED POROSITY.
ANNULAR HOLE VOLUME CALCULATED UISING 4.500" PRODUCTION CASING.

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

OPERATORS:
JT
M.BURKE

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-14

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

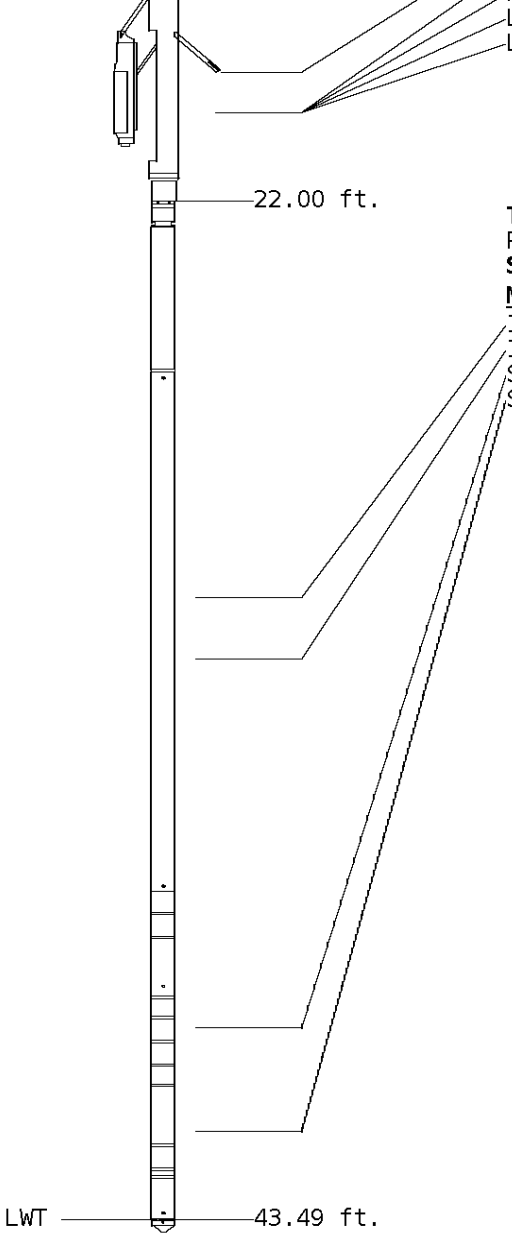
Tool: CNT-AA **Length:** 9.30 **ft.** **O.D.** 4.36 **in.**
Compensated Neutron A Pad on NDT-A
Sonde ID :NDT-AB-400
Source ID :N-1044
Pad ID :CNP-AA-116

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-465
Source ID :CSV-587
Pad ID :LDP-DA-01

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-AB-18

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_PAYNE_10-33B-3_OCT12_ST **Scale:** 1:600
Segment: V1.D1.S6 Splice main **Acquired:** Not Available
Reference: 0 **Processed:** Not Available

TENSION
LBS
10000 0

SHALLOW FOCUSED RESISTIVITY
OHMM
0.0 500.0
0.0 50.0

SPONTANEOUS POTENTIAL
mV
→| |←20

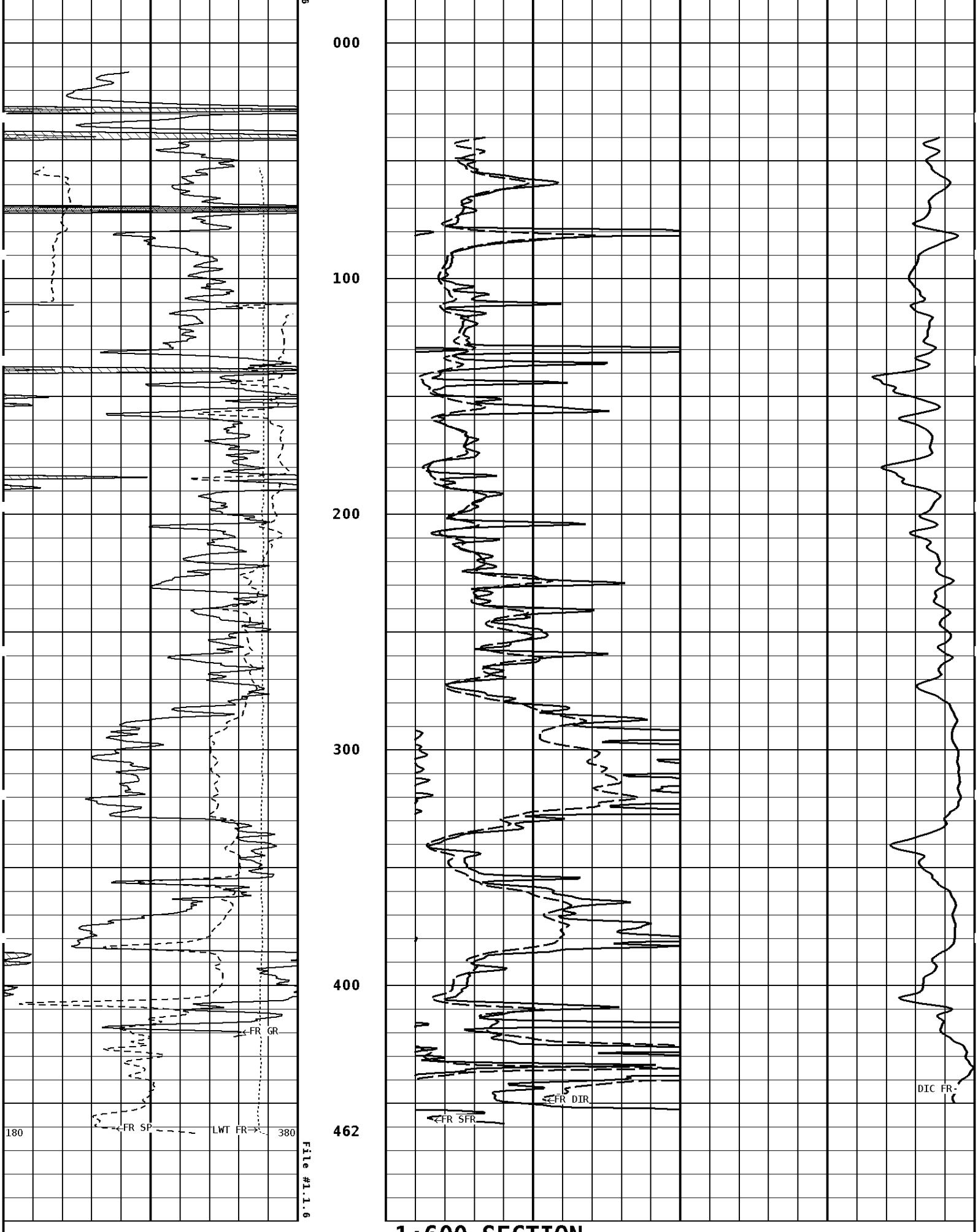
DEEP INDUCTION
OHMM
0.0 500.0
0.0 50.0

GAMMA RAY
API UNITS
200 400
0 200

DEEP CONDUCTIVITY
MMHO
2000 1000
1000 0

1:600 SECTION
2 INCH

File #1.1.1



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_PAYNE_10-33B-3_OCT12_ST
Segment: V1.D1.S6 Splice main
Reference: 0
Scale: 1:240
Acquired: Not Available
Processed: Not Available

TENSION
LBS
10000 0

SPONTANEOUS POTENTIAL
mV
→| |←20

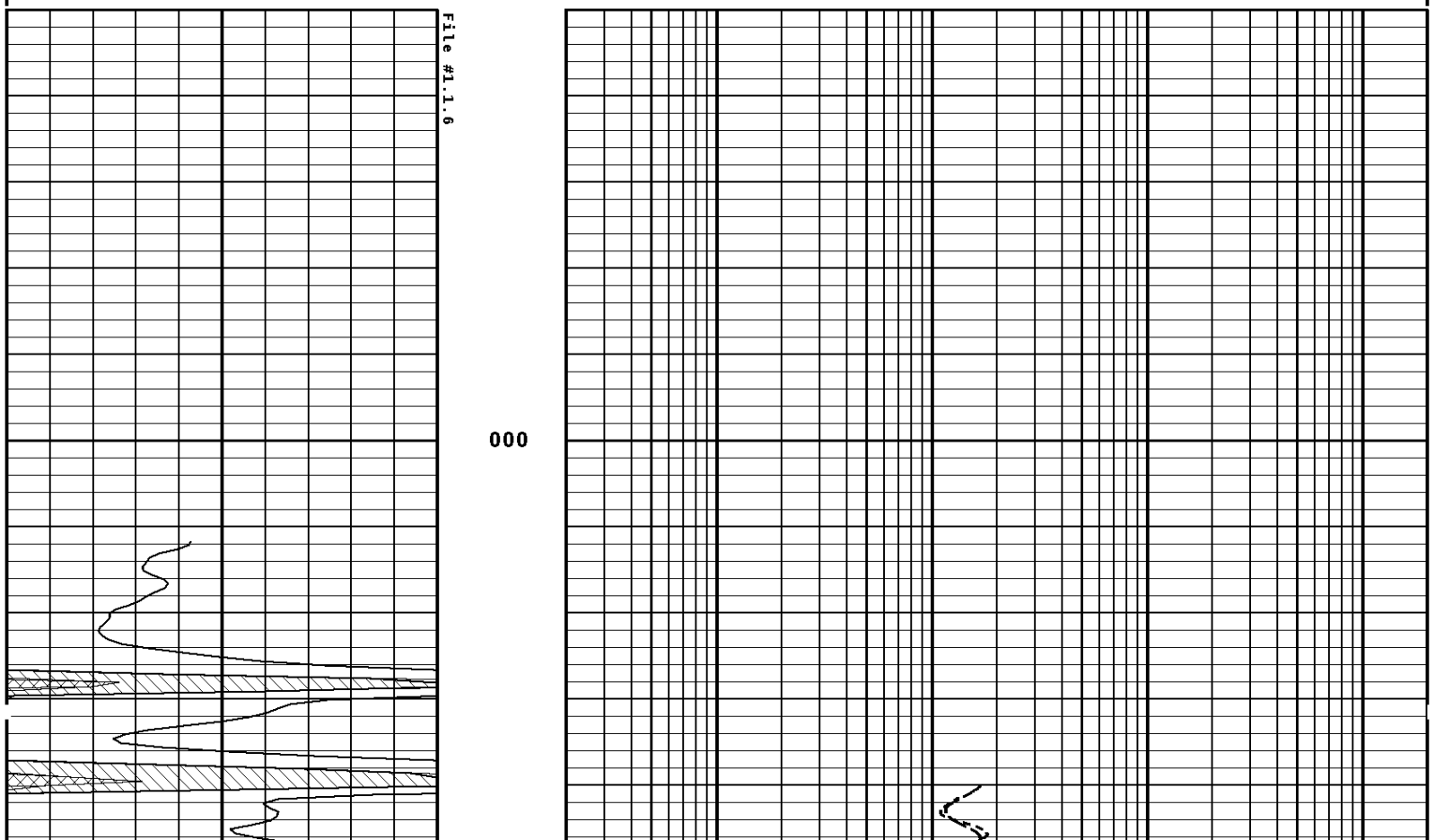
GAMMA RAY
API UNITS
200 400
0 200

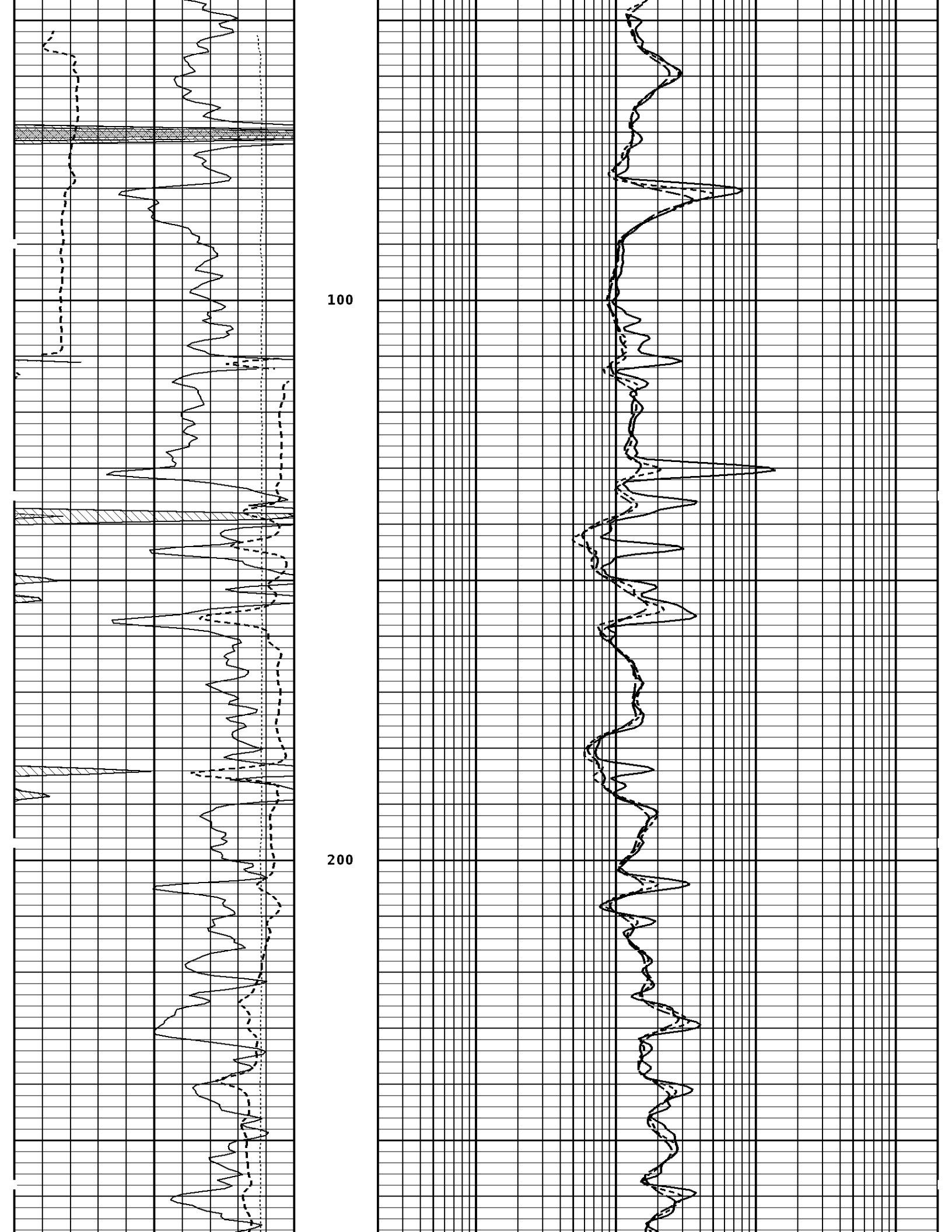
SHALLOW FOCUSED RESISTIVITY
OHMM
0.2 2000.0

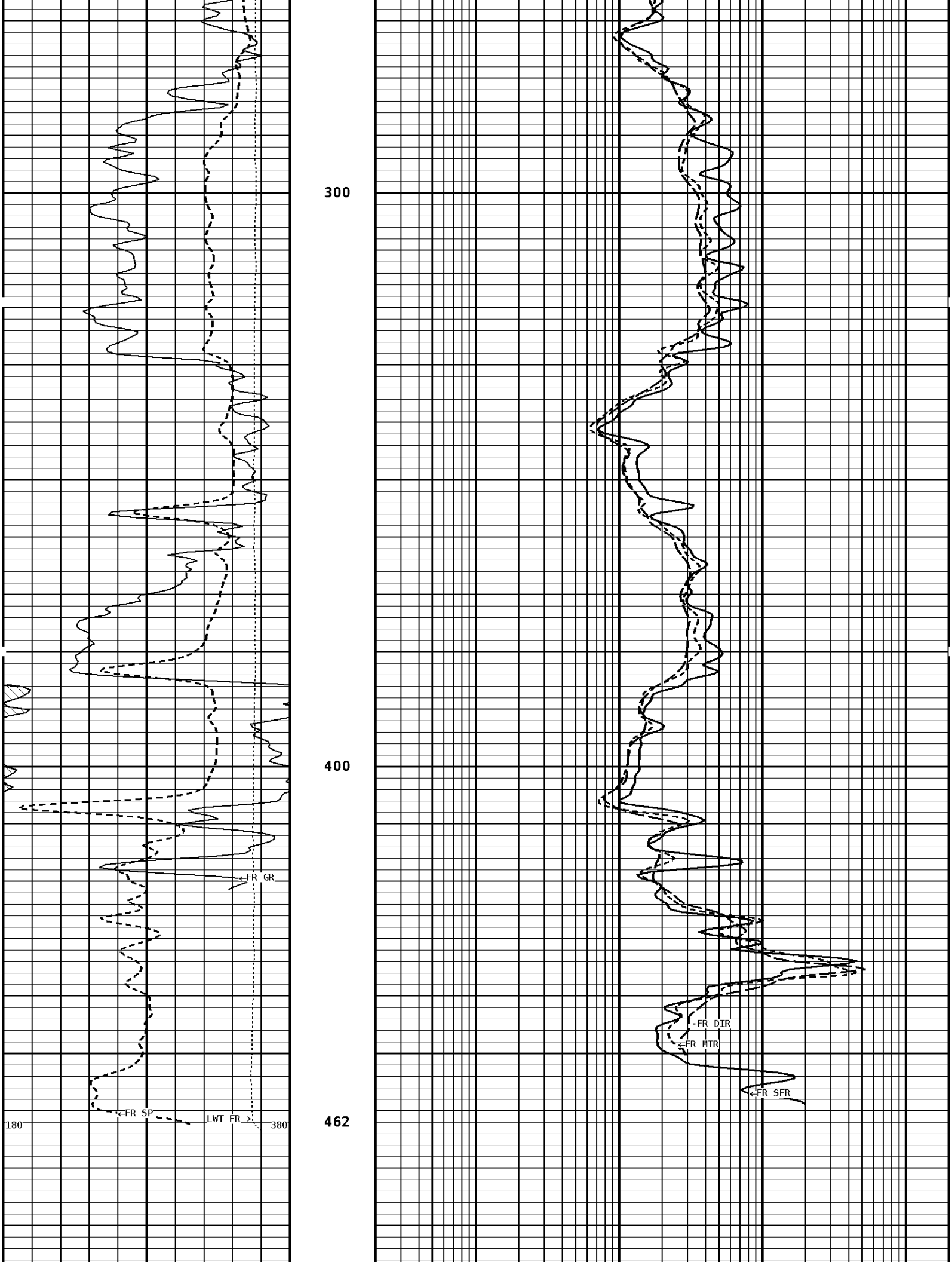
MEDIUM INDUCTION
OHMM
0.2 2000.0

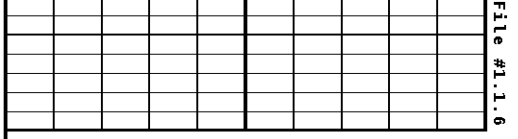
DEEP INDUCTION
OHMM
0.2 2000.0

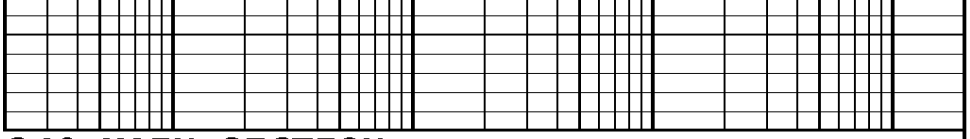
1:240 MAIN SECTION




100
200


300
400
462
FR GR
FR SP
LWT FR
180
380
FR DIR
FR MIR
FR SFR





1:240 MAIN SECTION

GAMMA RAY API UNITS	DEEP INDUCTION OHMM
200 400 0 200	0.2 2000.0
SPONTANEOUS POTENTIAL mV	**MEDIUM INDUCTION** OHMM
→| |←20	0.2 2000.0
TENSION LBS	**SHALLOW FOCUSED RESISTIVITY** OHMM
10000 0	0.2 2000.0

*** Borehole Zone Factors ***

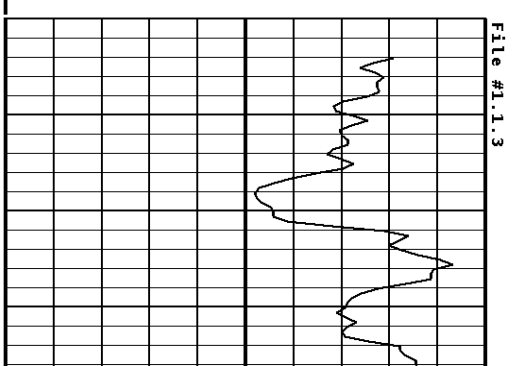
Zone 1 99999.0 to 0.0 Feet

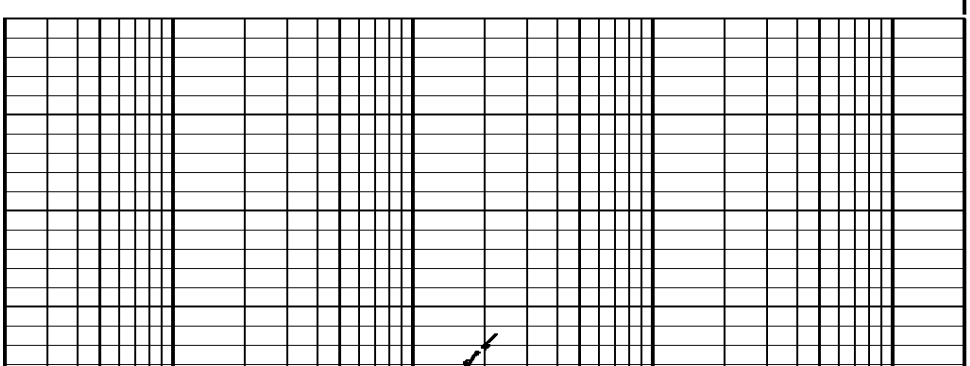
Temperature Gradient	1.00	DFHF
BHT Depth	465.000	ft
Borehole Temperature	79.0	degF
Drill Bit Size	6.750	in
Resistivity Of Mud	2.000	ohm/m
Resistivity Of Mud Temperature	79.00	degF
Standoff	0.0	

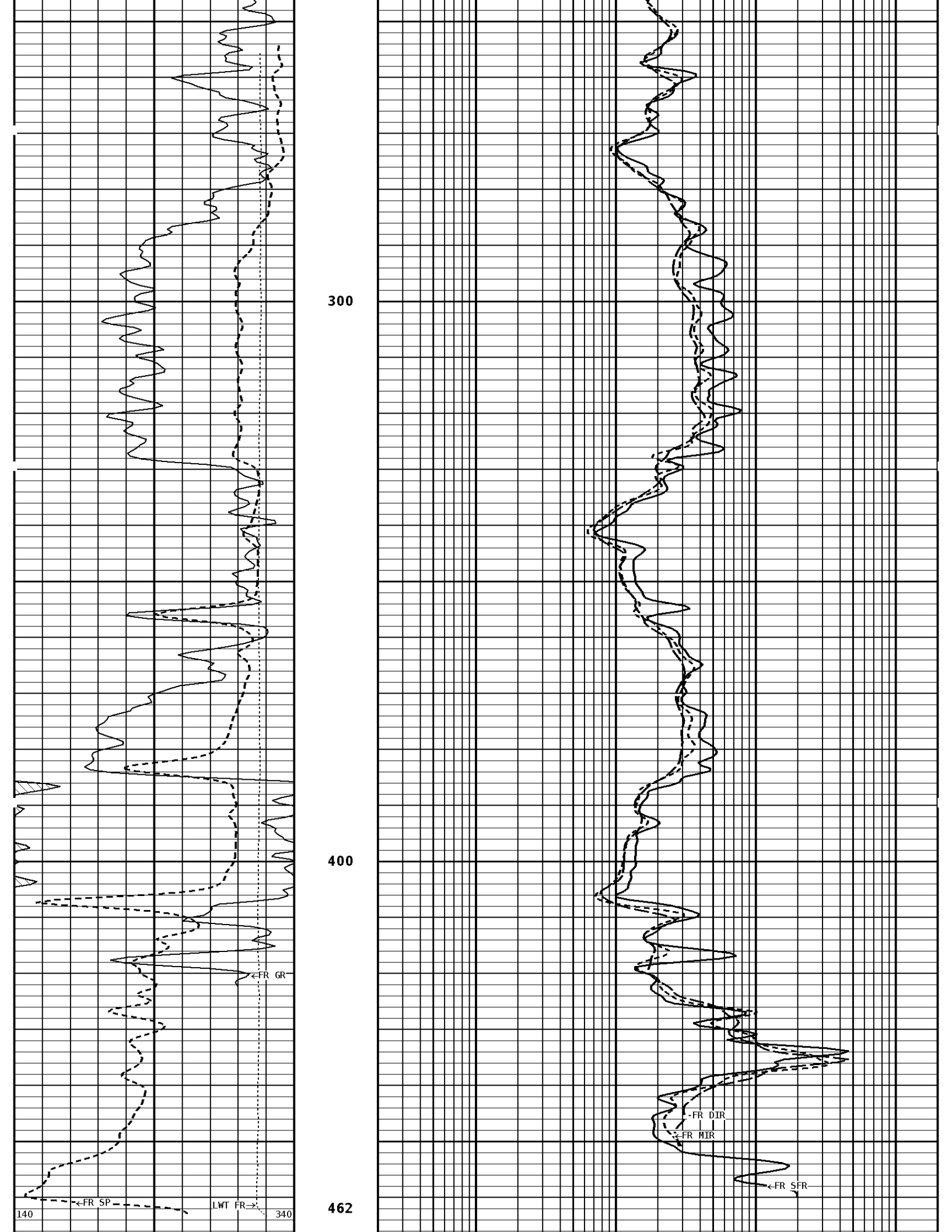
Well File: RFP_PAYNE_10-33B-3_OCT12_ST **Scale:** 1:240
Segment: V1.D1.S3 Reprocess REPEAT **Acquired:** 2011-10/12 19:08 3.2.0-10220
Reference: 0 **Processed:** 2011-10/12 19:13 3.2.0-10220

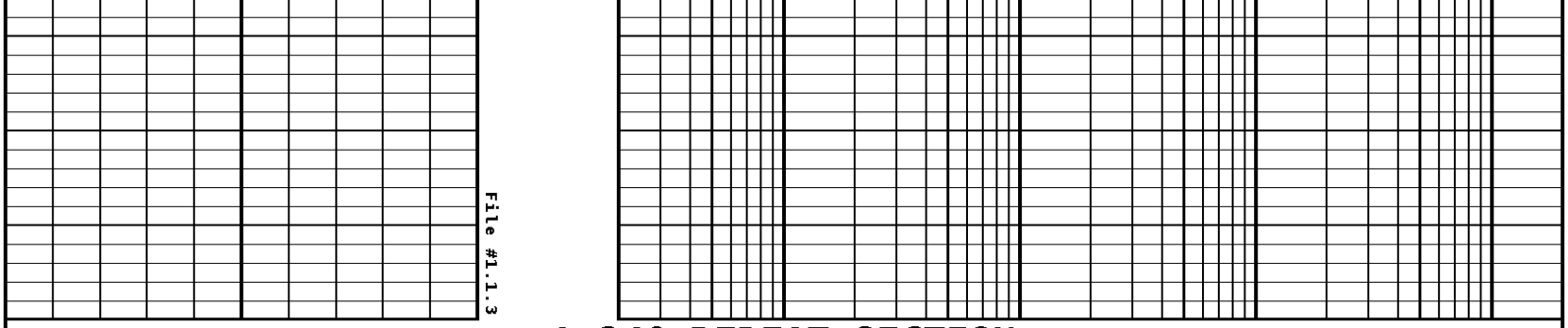
TENSION LBS	SHALLOW FOCUSED RESISTIVITY OHMM
10000 0	0.2 2000.0
SPONTANEOUS POTENTIAL mV	**MEDIUM INDUCTION** OHMM
→| |←20	0.2 2000.0
GAMMA RAY **API UNITS**	**DEEP INDUCTION** OHMM
200 400 0 200	0.2 2000.0

1:240 REPEAT SECTION






300
400
462
←FR GR
←FR SP
LWT FR→
140
340
←FR DIR
←FR MIR
←FR SFR



1:240 REPEAT SECTION

GAMMA RAY API UNITS	DEEP INDUCTION OHMM
200 400 0 200	0.2 2000.0
SPONTANEOUS POTENTIAL mV	**MEDIUM INDUCTION OHMM**
→| |←20	0.2 2000.0
TENSION LBS	**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	465.000	ft
Borehole Temperature	79.0	degF
Temperature Gradient	1.00	DFHF
Resistivity Of Mud	2.000	ohm/m
Standoff	0.0	
Resistivity Of Mud Temperature	79.00	degF

* Calibration Summary *

Shop Calibration
GRT-B

Performed : 16-MAY-2011 Time : 09:49
Sensor Suite : GR-GR5 ID : GRT-BA-14

	Measured Background	Measured Jig	Units	Calibrated Jig	Units
GR	50	361	CPS	175	GRAPI

Shop Calibration
PIT-CA

Performed : 18-May-2009 Time : 10:06
Sensor Suite : P-IND-T ID : PIT-AB-18

Medium

	Measured R	Measured X	Calibrated R	Calibrated X	Units
Air	131380	130013	0.2	0.4	MMHOS
Zero	131067	131066	0.0	0.0	MMHOS
Reference	252628	252684	5000.0	5000.0	MMHOS
Loop	151831	174542	2672.1	989.9	MMHOS
Sonde Error			-2.0	-4.3	MMHOS
Cond			5000.0	5000.0	MMHOS

Deep

	Measured R	Measured X	Calibrated R	Calibrated X	Units
Air	129385	131252	0.1	0.1	MMHOS
Zero	131079	131072	0.0	0.0	MMHOS
Reference	230616	232102	2000.0	2000.0	MMHOS
Loop	149042	174745	1256.1	466.1	MMHOS

Loop	149042	174745	1256.1	466.1	MMHOS
Sonde Error			-3.3	0.2	MMHOS
Cond			2000.0	2000.0	MMHOS

Temperature

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

Performed : 18-May-2009 Time : 10:04
Sensor Suite : SFL ID : PIT-AB-18

Internal

	Measured Zero	Measured Reference	Calibrated Zero	Calibrated Reference	Units
Im	32765.1	50517.2	0.0	7028.0	uA
Ib	32772.1	50309.4	0.0	1750.0	mA
MOM1	32830.8	57160.2	0.0	175.0	mV
Equivalent SFL				43.97	OHMM

Performed : 18-May-2009 Time : 09:50
Sensor Suite : P-SP ID : PIT-AB-18

Internal

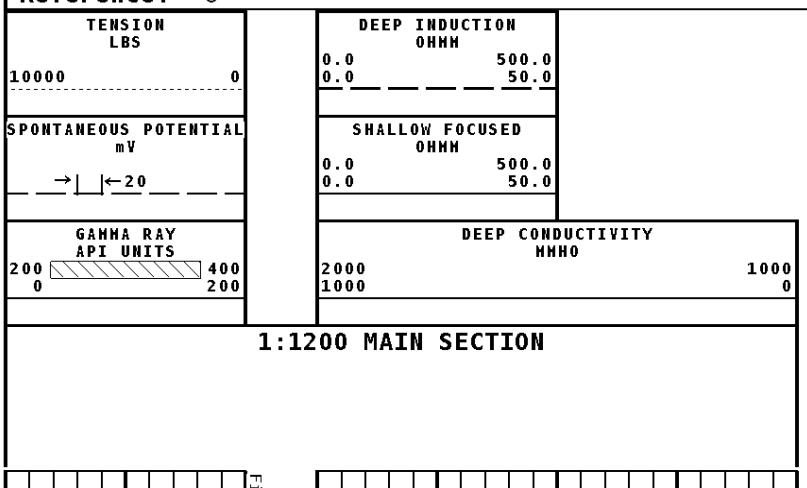
Measured Zero	Measured Reference	Calibrated Zero	Calibrated Reference	Units
32790.5	58989.2	0.0	1000.0	mV

Performed : 20-Dec-2007 Time : 12:53
Sensor Suite : P-RMUD ID : PIT-AB-18

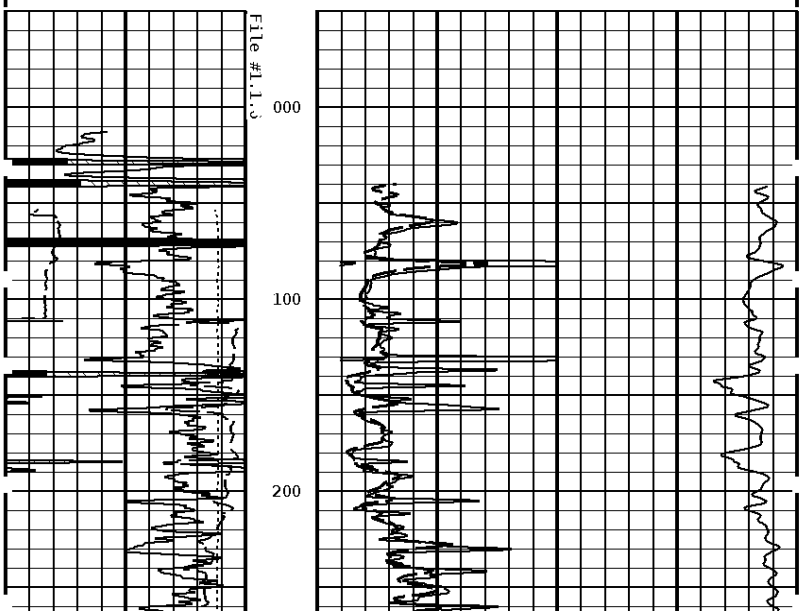
Internal

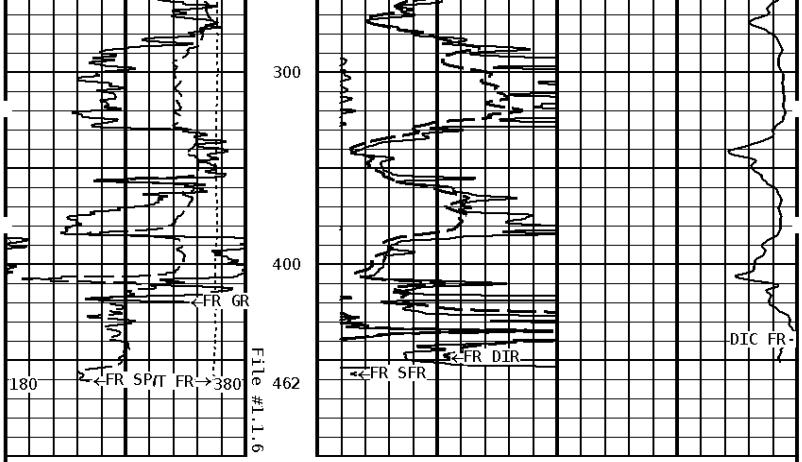
	Measured Zero	Measured Reference	Calibrated Zero	Calibrated Reference	Units
Rmi	0.0	238.4	0.0	290.6	mA
Rmv	0.0	198.0	0.0	290.6	mV
Equivalent Rm				0.9037	OHMM

Well File: RFP_PAYNE_10-33B-3_OCT12_ST **Scale:** 1:1200
Segment: V1.D1.S6 Splice main **Acquired:** Not Available
Reference: 0 **Processed:** Not Available



1:1200 MAIN SECTION





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