



Tucker

ENERGY SERVICES

PHASED INDUCTION SHALLOW FOCUS SP LOG

Company RUNNING FOXES PETROLEUM N		
Well VALENTINE 2-24	File No : TUL 59719	
Field WILDCAT	Company : RUNNING FOXES PETROLEUM INC.	
County BOURBON	Well : VALENTINE 2-24	
State KANSAS	Field : WILDCAT	
Country USA	County : BOURBON	
API No. 15-011-24466-0000	State : KANSAS	
	Country : USA	
	API No : 15-011-24466-0000	
Location : 660' FNL & 660' FWL NW		
LSD :	Sect : 24 Twp : 24 S Rge : 25 E	
Permanent Datum:	Elevations:	Services:
Drilling Measured From: GL	KB 0.00	CNT PIT
Log Measured From: GL	DF 0.00	LDT
Above Permanent Datum: 0.00 Ft	GL 890.00	XYT
Date 07-22-2014		
Run Number 1		
Depth--Driller 470.0 Ft		
Depth--Logger 467.0 Ft		
First Reading 466.0 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 FRESH WATER		
Density 0.0		
Fluid Loss 0.0		
PH/Viscosity 0.0	0.0	
Sample Source MEASURED		
RMF@Measured Temp. 0.000 @ 0 F		
RMF@Measured Temp 0.000 @ 0 F		
RMF@Measured Temp. 0.000 @ 0 F		
Source RMF/RMC CALCULATED/CALCULATED		
RM@BHT 0.000 @ 82 F		
Time Circulation Stopped 07-22-2014 8:00 am		
Max Recorded Temp. 82 F		
Equipment/Base TRUCK 127 TULSA		
Recorded By R. KING		
Witnessed By L. THOMPSON		

The customer is hereby warned that by providing the log data herein, T. E. S. does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. T. E. 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. E. 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. E. 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.

Bitsize Intervals		Casing Strings			
Size (In)	Bottom (Ft)	Size (In)	Weight (Lbs)	Bottom (Ft)	Top (Ft)
6.750	470.00	8.625	24.00	20.00	0.00

Run Number	1	
Date	07-22-2014	
Date/Time On Bottom	07-22-2014 9:15 am	
Depth to Fluid	0.0 Ft	
Salinity	0.000	
RMF@BHT	0.000 @ 82 F	
RMC@BHT	0.000 @ 82 F	

Run Number 1

Comments

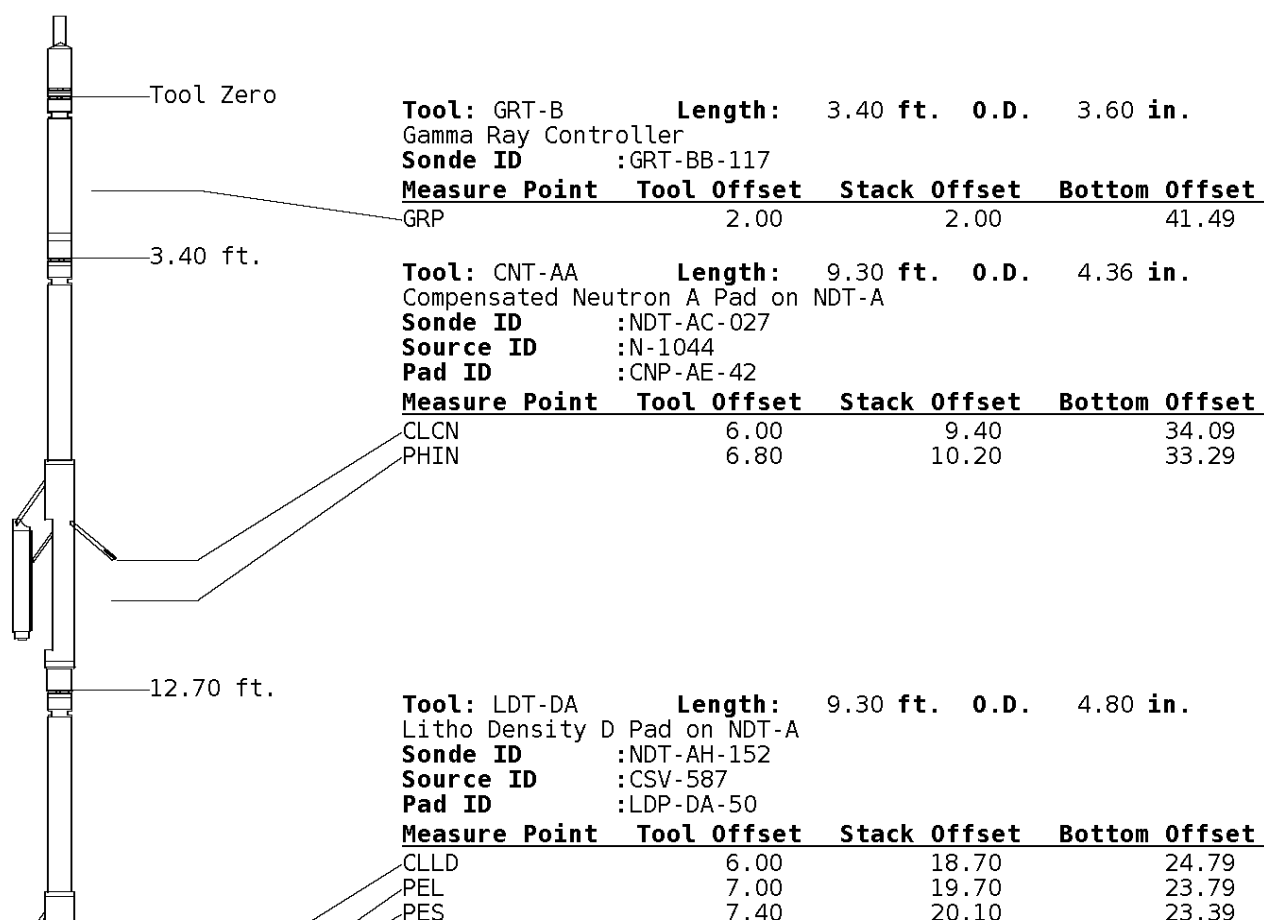
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, CNT, LDT, AND PIT RUN IN COMBINATION
 CALIPERS ORIENTED ON X-Y AXIS
 2.71 G/CC USED TO CALCULATE POROSITY
 NO CASING BEING USED
 PHIN IS CALIPER CORRECTED

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

OPERATORS:
 J. THOMAS
 B. BROWN

Tool String Schematic

Total Tool Length - 43.49 ft.
Maximum Outside diameter - 4.80 in.
Net Weight in Air - 743.00 lbs.





7.20	19.90	23.59
7.20	19.90	23.59

22.00 ft.

Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-CA-062

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

LWT 43.49 ft.

Well File: RFP VALENTINE2-24 JUL22-STK

Scale: 1:600 **Format:** DIL-600

Segment: V1.D1.S7 MAIN-RP0

Acquired: 2014-07/22 09:21 3.5.0-12850

Reference: 0

Processed: 2014-07/22 10:06 3.5.0-12850

TENSION
LBS

10000

0

DEEP INDUCTION
OHMM

0.0	500.0
0.0	50.0

SPONTANEOUS POTENTIAL
mV

→ | ← 20

SHALLOW FOCUSED RESISTIVITY
OHMM

0.0	500.0
0.0	50.0

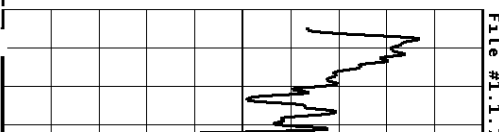
GAMMA RAY
API UNITS

200		400
0		200

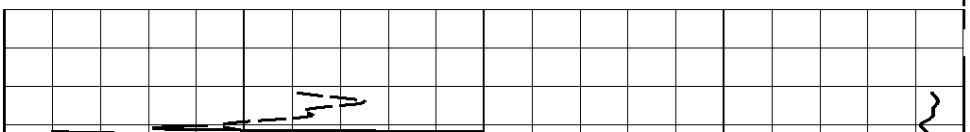
DEEP CONDUCTIVITY
MMHO

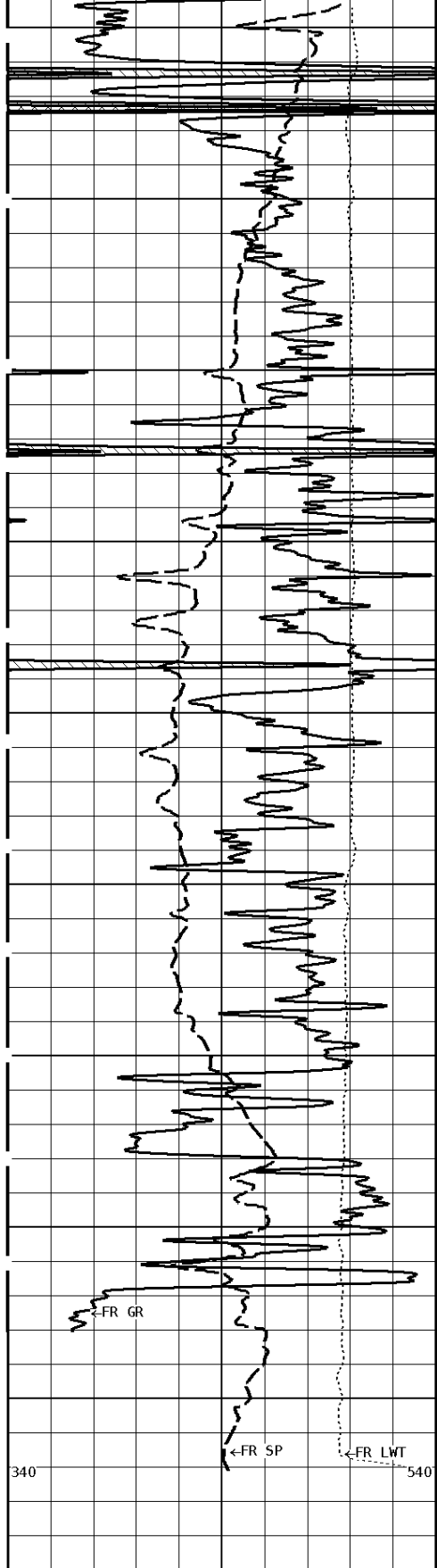
2000	1000
1000	0

1:600 MAIN SECTION



File #1.1.1.

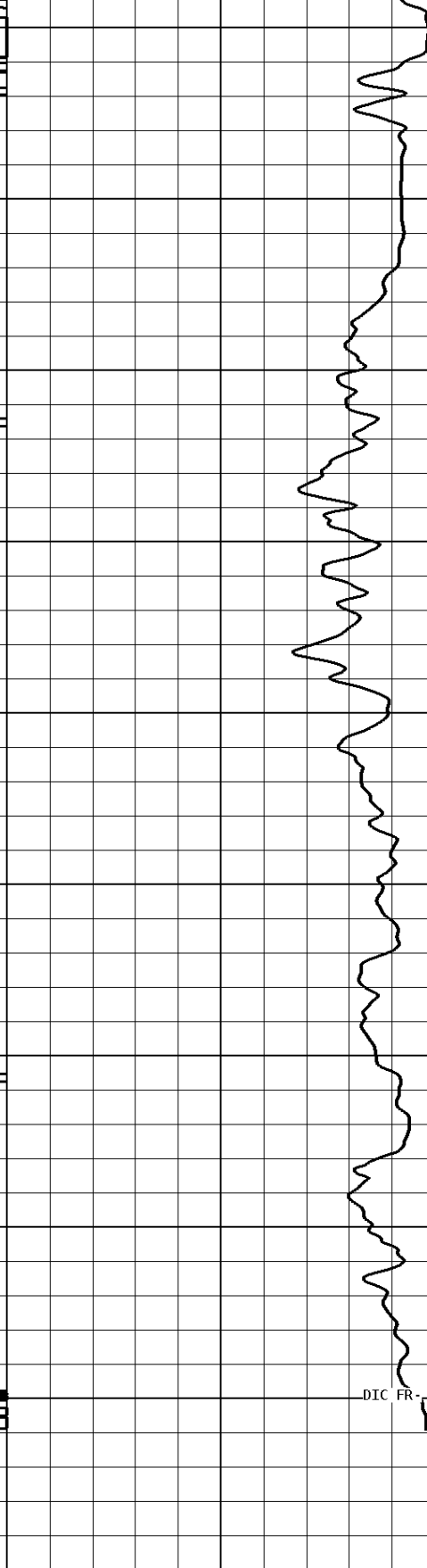
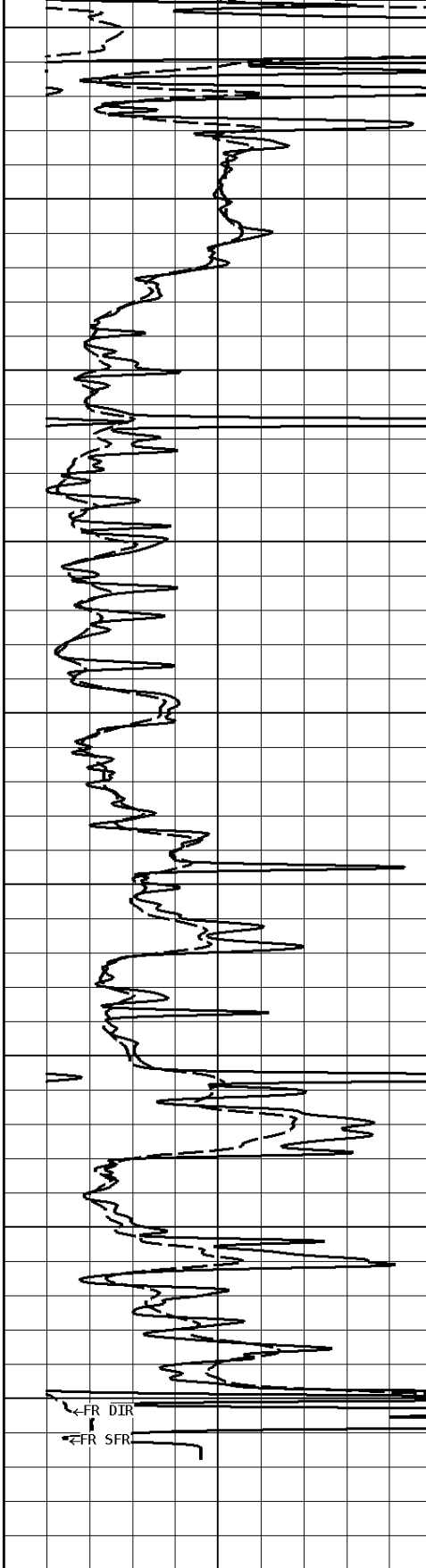




File #1.1.1.7

100
200
300
400
467

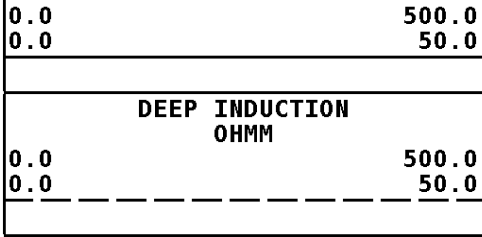
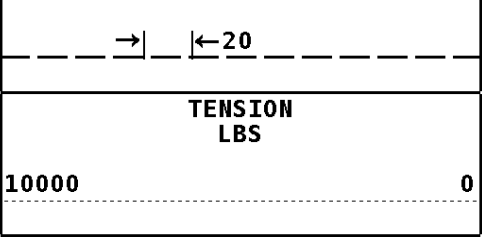
1:600 MAIN SECTION



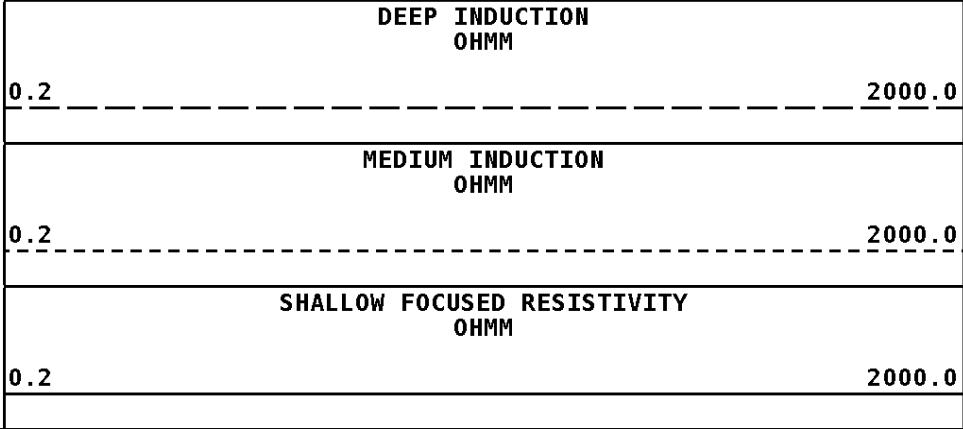
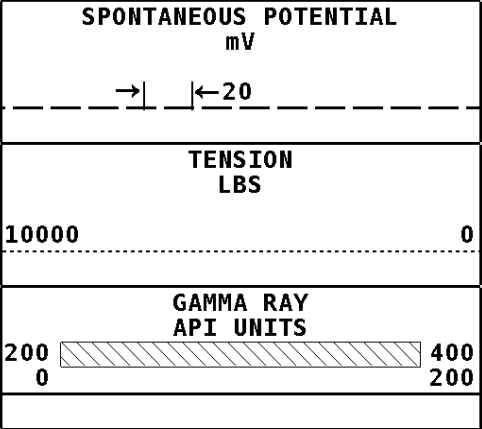
SPONTANEOUS POTENTIAL
mV



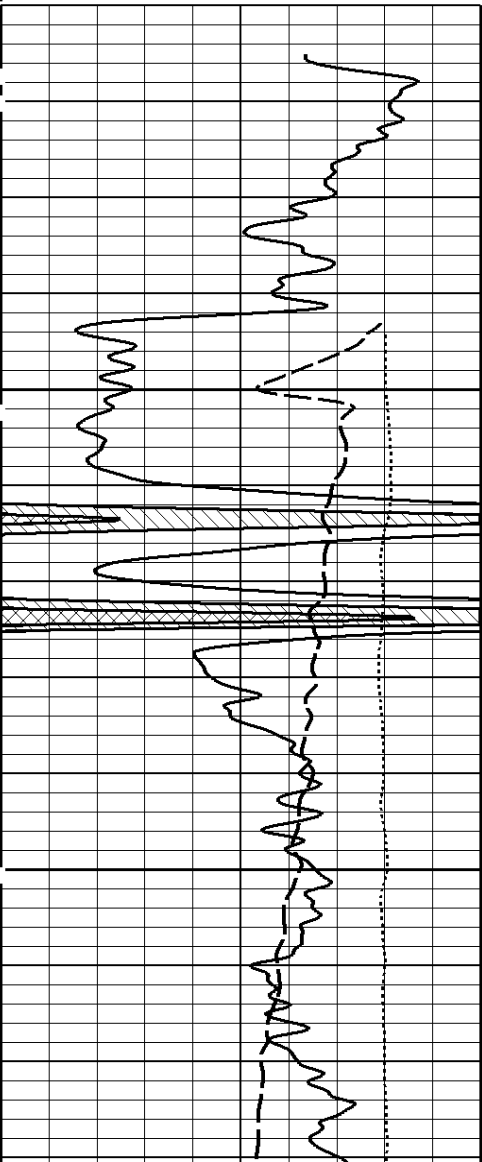
SHALLOW FOCUSED RESISTIVITY
OHMM



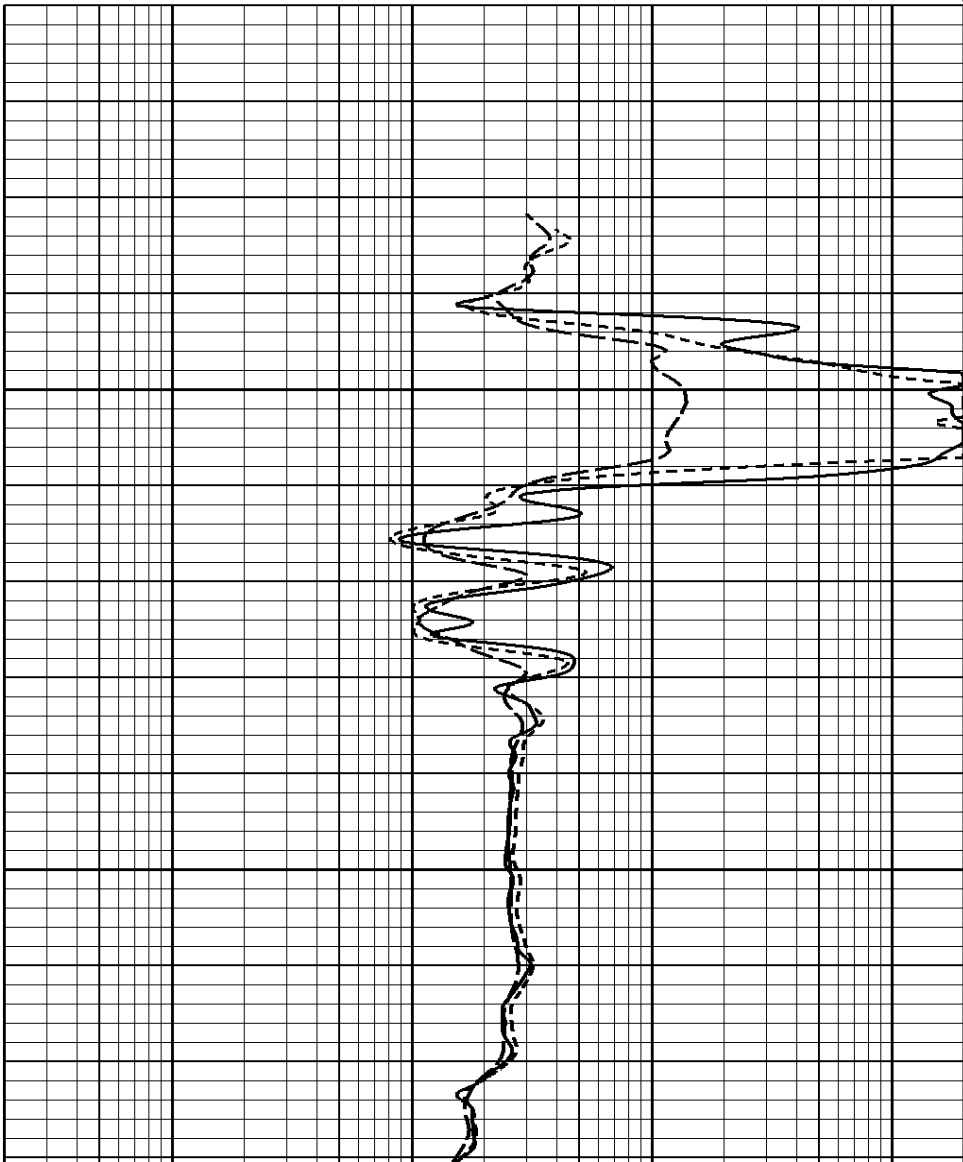
Well File: RFP VALENTINE2-24 JUL22-STK Scale: 1:240 Format: DIL-240
Segment: V1.D1.S7 MAIN-RP0 Acquired: 2014-07/22 09:21 3.5.0-12850
Reference: 0 Processed: 2014-07/22 10:06 3.5.0-12850

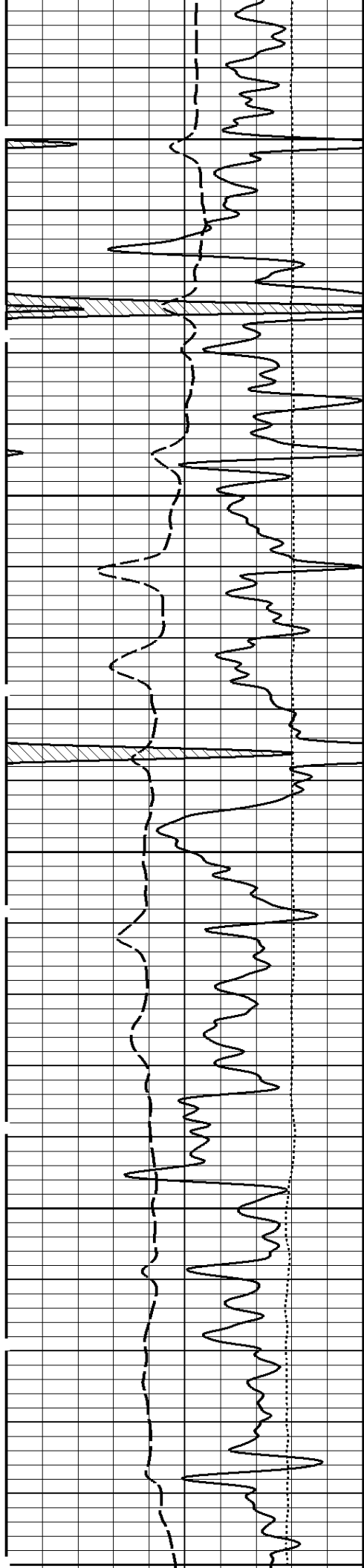


1:240 MAIN SECTION



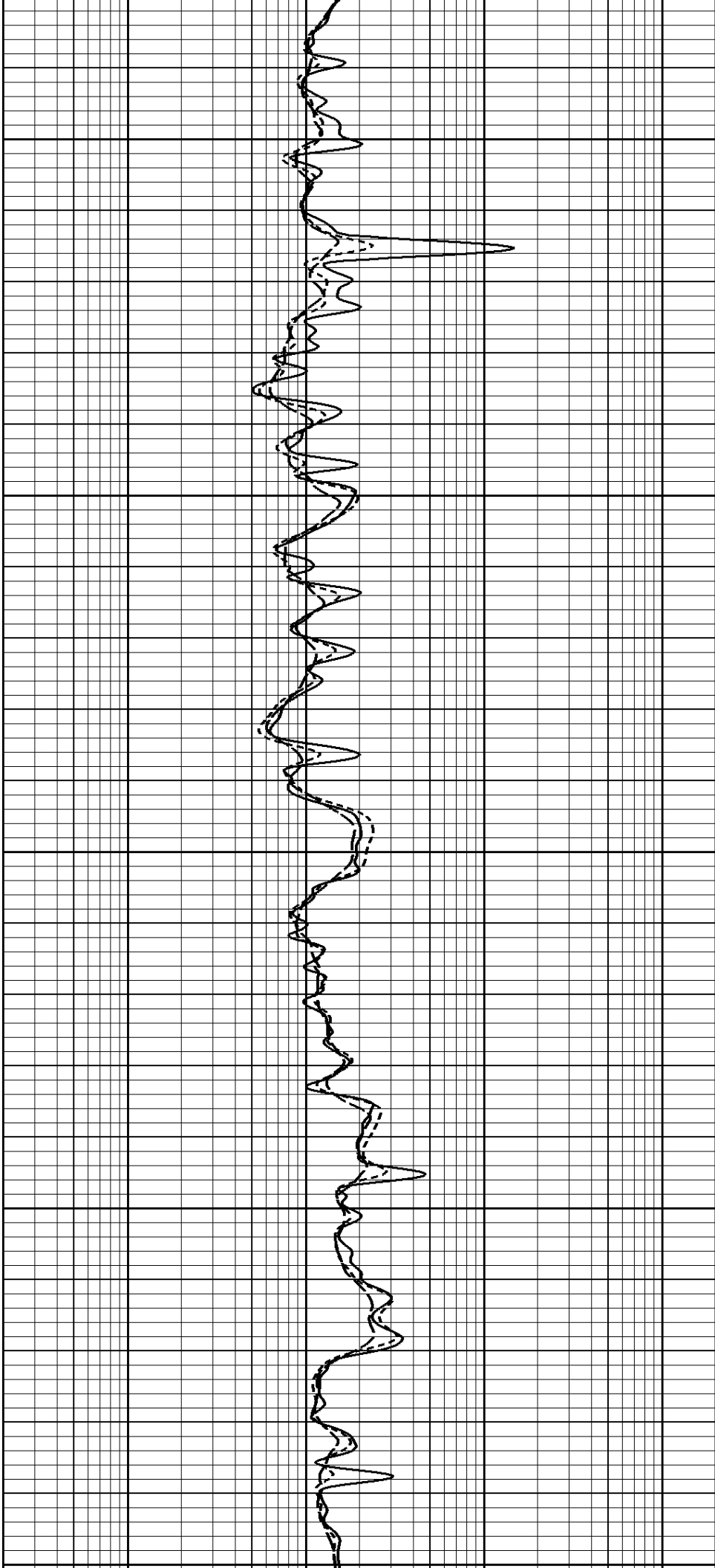
100

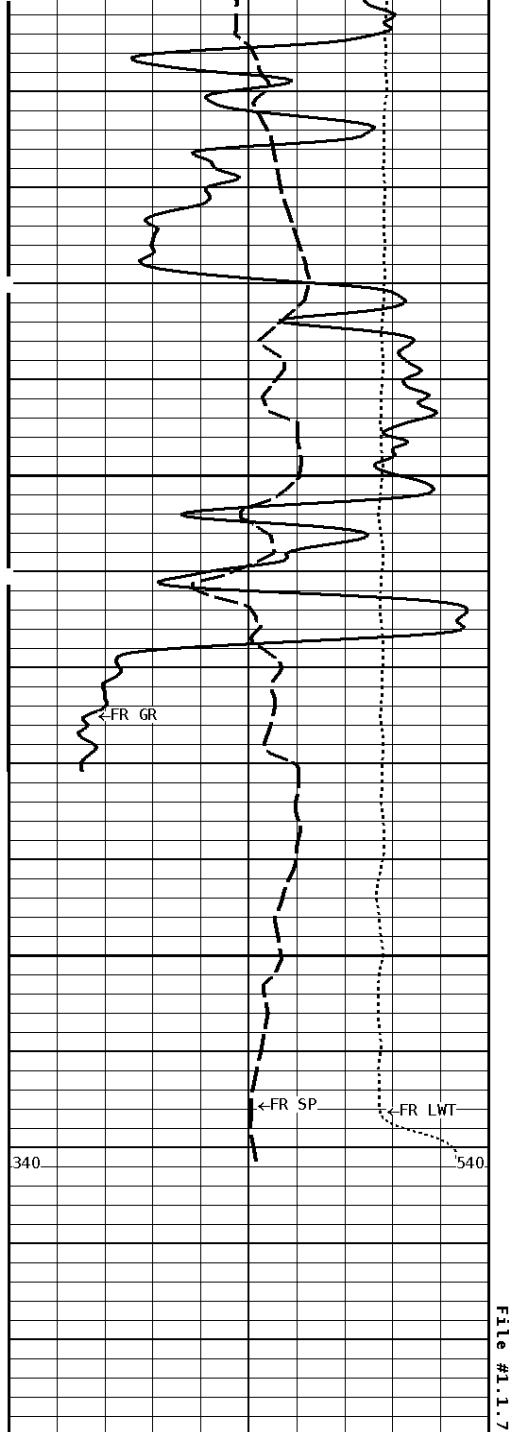




200

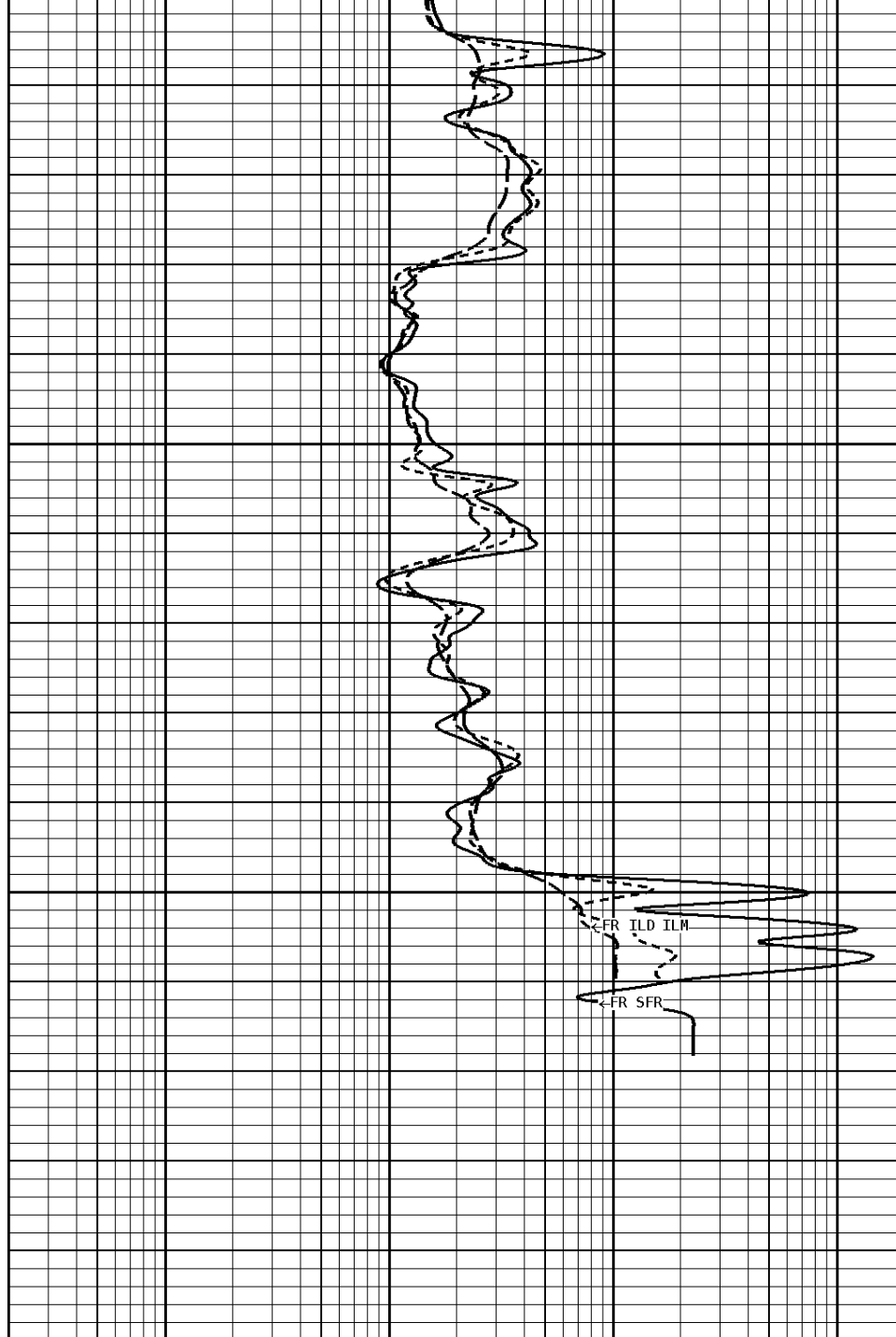
300





400

467



1:240 MAIN SECTION

GAMMA RAY API UNITS	
200	400
0	200
TENSION LBS	
10000	0
SPONTANEOUS POTENTIAL mV	
→	← 20

SHALLOW FOCUSED RESISTIVITY OHMM	
0.2	2000.0
MEDIUM INDUCTION OHMM	
0.2	2000.0
DEEP INDUCTION OHMM	
0.2	2000.0

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 Feet

Drill Bit Size	6.750	in
Casing Diameter	0.000	in
BHT Depth	467.000	ft
Borehole Temperature	82.0	degF
Temperature Gradient	1.00	DFHF
Resistivity Of Mud	0.000	ohm/m
Standoff	1.5	
Resistivity Of Mud Temperature	0.00	degF

Well File: RFP VALENTINE2-24 JUL22-STK

Scale: 1:240

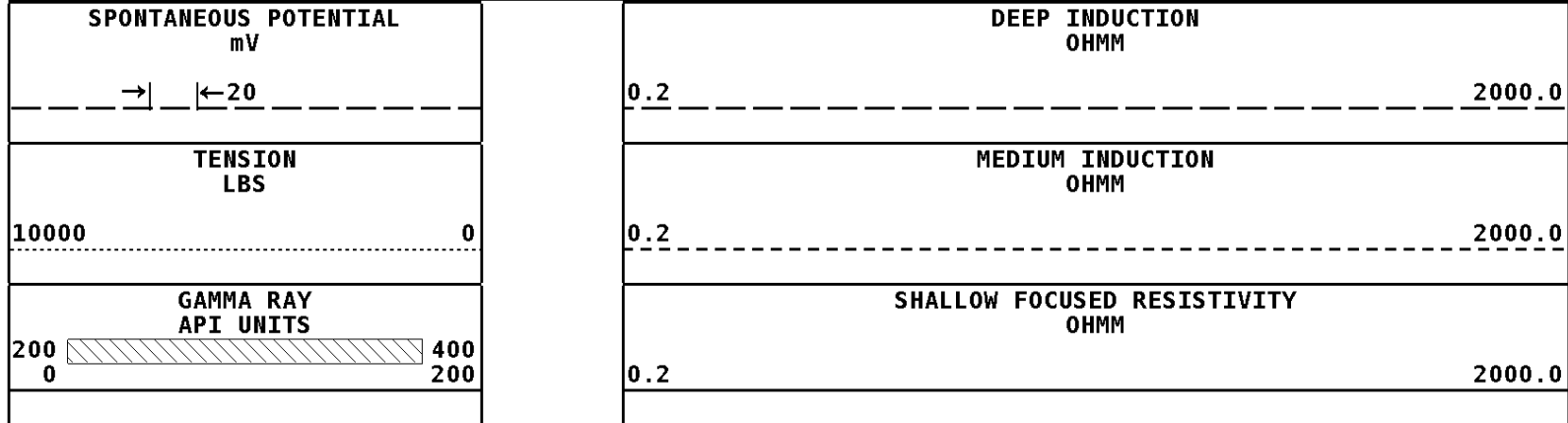
Format: DIL-240

Segment: V1.D1.S6 REPEAT-RP0

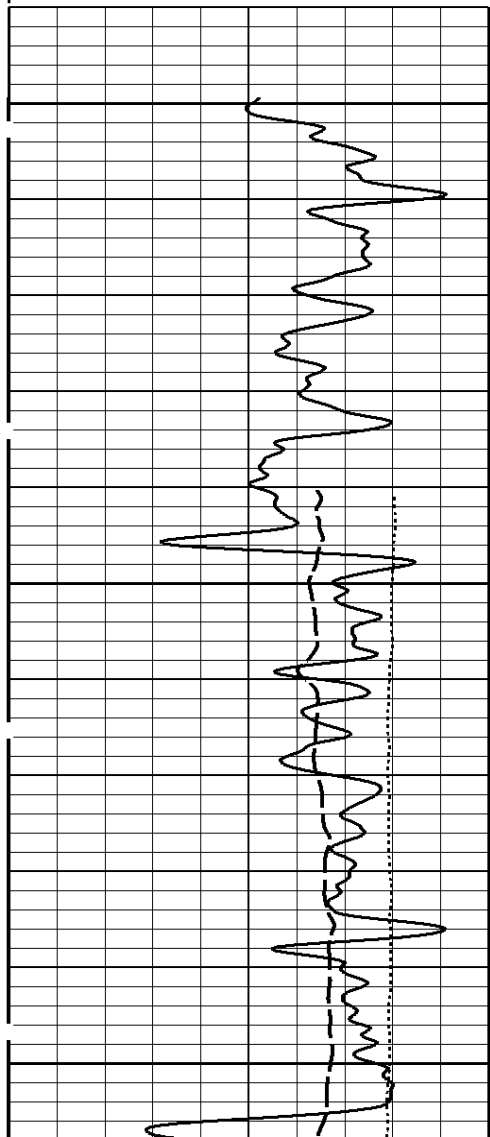
Acquired: 2014-07/22 09:09 3.5.0-12850

Reference: 0

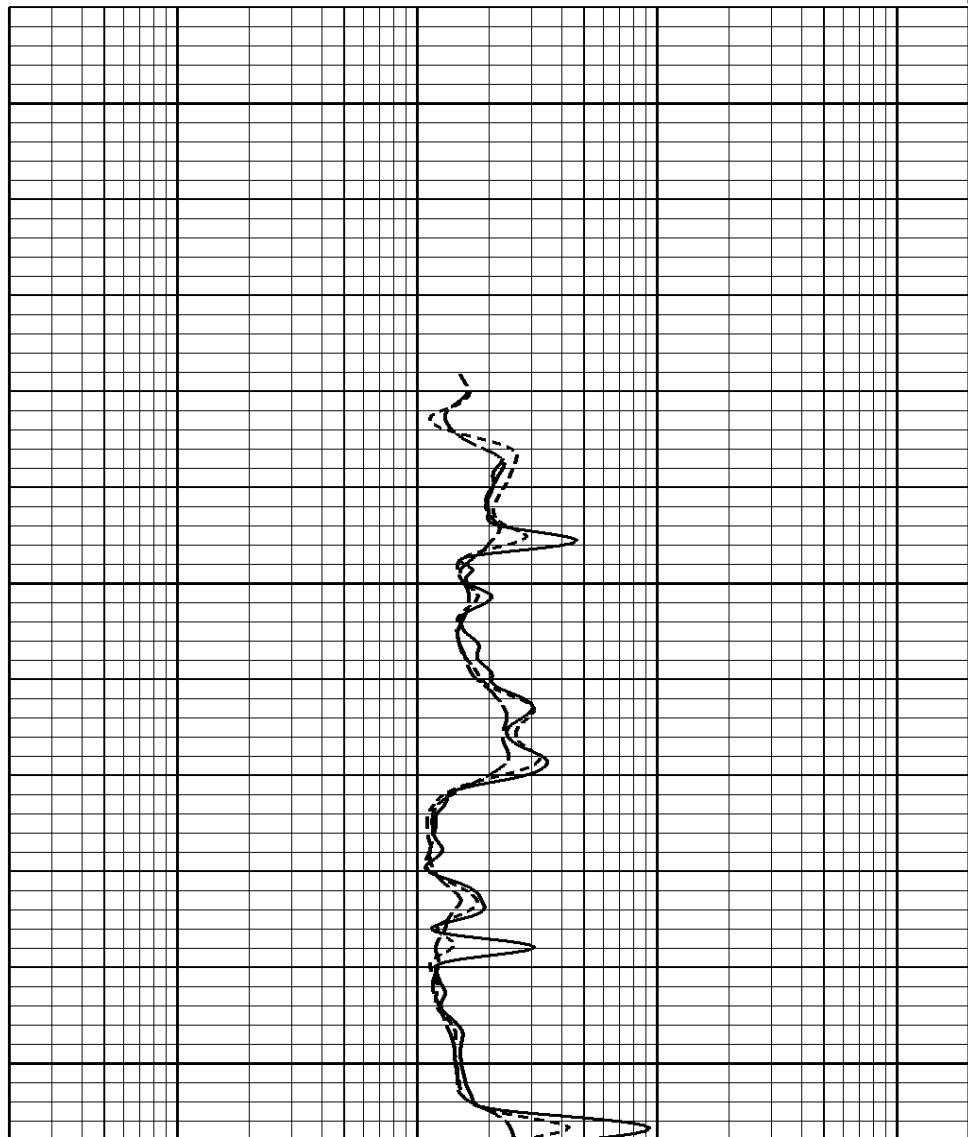
Processed: 2014-07/22 10:06 3.5.0-12850

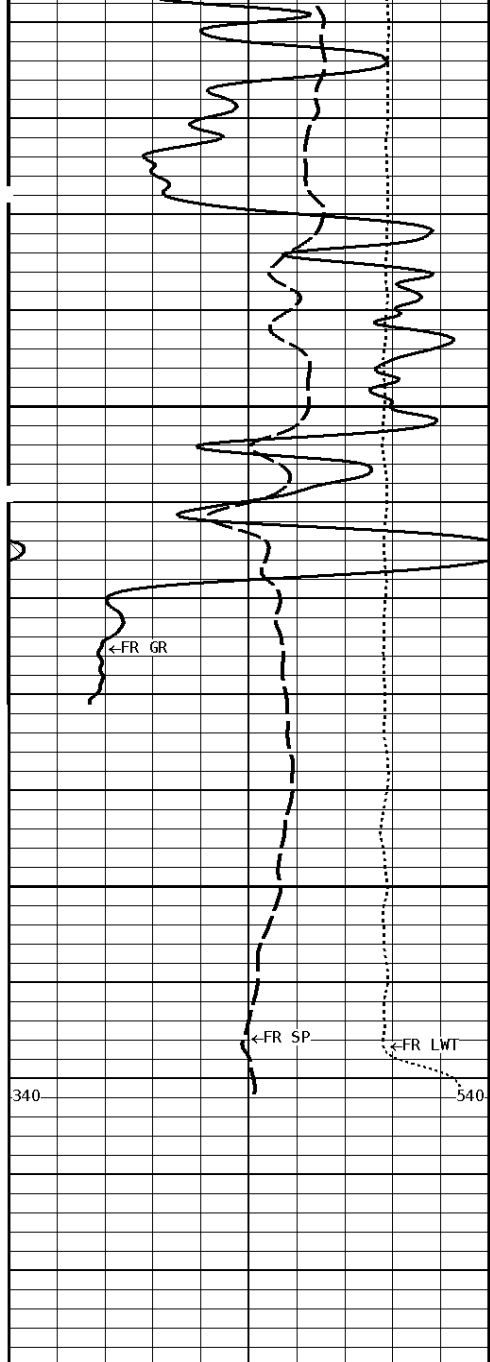


1:240 REPEAT SECTION



300

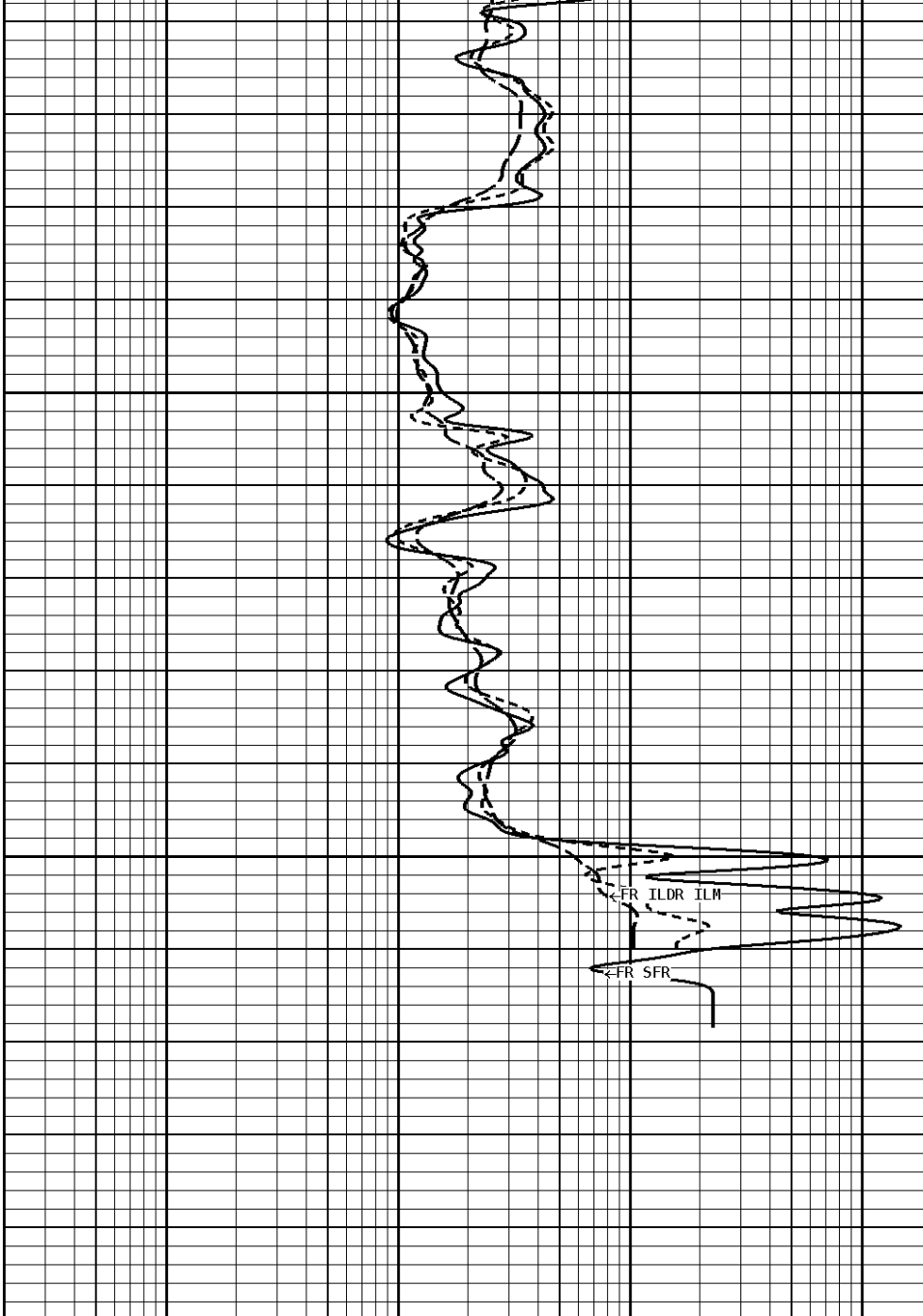




File #1.1.6

400

467



1:240 REPEAT SECTION

GAMMA RAY
API UNITS

200 0 400 200

TENSION
LBS

10000 0

SPONTANEOUS POTENTIAL
mV

→ | ← 20

SHALLOW FOCUSED RESISTIVITY
OHMM

0.2

2000.0

MEDIUM INDUCTION
OHMM

0.2

2000.0

DEEP INDUCTION
OHMM

0.2

2000.0

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 Feet

Drill Bit Size

6.750 in

Casing Diameter	0.000	in
BHT Depth	467.000	ft
Borehole Temperature	82.0	degF
Temperature Gradient	1.00	DFHF
Resistivity Of Mud	0.000	ohm/m
Standoff	1.5	
Resistivity Of Mud Temperature	0.00	degF

*** Calibration Summary ***

Shop Calibration GRT-B					
Performed : 27-JUN-2014			Time : 09:08		
Sensor Suite : GR-GR5			ID : GRT-BB-117		
	Measured	Units	Calibrated	Units	
	Background Jig		Jig		
GR	43 344	CPS	175	GRAPI	

Shop Calibration PIT-CA					
Performed : 15-APR-2014			Time : 14:04		
Sensor Suite : P-IND-T			ID : PIT-CA-062		
Medium					
	Measured		Calibrated		Units
	R X		R X		
Air	130583 130713		-0.1 -0.1		MMHOS
Zero	131074 131072		27.3 6.4		MMHOS
Reference	253427 250043		5027.3 5006.4		MMHOS
Loop	130592 221688		3823.7 3823.0		MMHOS
Sonde Error			-1.3 -15.8		MMHOS
Cond			5027.3 5006.4		MMHOS
Deep					
	Measured		Calibrated		Units
	R X		R X		
Air	129032 131483		-0.0 0.1		MMHOS
Zero	131074 131059		39.8 -17.0		MMHOS
Reference	233823 231658		2039.8 1983.0		MMHOS
Loop	129039 222242		1804.5 1804.3		MMHOS
Sonde Error			-8.5 -8.7		MMHOS
Cond			2039.8 1983.0		MMHOS
Temperature					
	Measured		Calibrated		Units
	Low High		Low High		
	16980.0 56920.0		70.0 350.0		DEGF

Performed : 15-Apr-2014			Time : 13:51		
Sensor Suite : SFL			ID : PIT-CA-062		
Internal					
	Measured		Calibrated		Units
	Zero Reference		Zero Reference		
Im	32763.3 48949.7		0.0 7028.0		uA
Ib	32767.3 48756.3		0.0 1750.0		mA
MOM1	32726.5 57507.3		0.0 175.0		mV
Equivalent SFL			43.97		OHMM

Performed : 15-Apr-2014			Time : 13:49		
Sensor Suite : P-SP			ID : PIT-CA-062		
Internal					
	Measured		Calibrated		Units
	Zero Reference		Zero Reference		
	32765.9 58980.4		0.0 1000.0		mV

Well File: RFP VALENTINE2-24 JUL22-STK	Scale: 1:1200	Format: DIL1200
Segment: V1.D1.S7 MAIN-RP0	Acquired: 2014-07/22 09:21 3.5.0-12850	
Reference: 0	Processed: 2014-07/22 10:06 3.5.0-12850	

TENSION
LBS

10000 0

SPONTANEOUS POTENTIAL
mV

→ | ← 20

GAMMA RAY
API UNITS

DEEP INDUCTION
OHMM

0.0 500.0
0.0 50.0

SHALLOW FOCUSED
OHMM

0.0 500.0
0.0 50.0

DEEP CONDUCTIVITY
MHMM

