



Weatherford

**COMPENSATED NEUTRON
ACOUSTIC POROSITY
OVERLAY**

COMPANY				SHAKESPEARE OIL CO, INC.			
WELL				TUCKER 1-5			
FIELD				WILDCAT			
PROVINCE/COUNTY				SCOTT			
COUNTRY/STATE				U.S.A. / KANSAS			
LOCATION				2305' FSL & 2310' FEL			
SEC	TWP	RGE	Other Services				
5	16	34W	MAI/MFE				
API Number		15-171-20976		MML			
Permit Number							
Permanent Datum GL, Elevation 3102 feet							
Log Measured From KB							
Drilling Measured From KB				Elevations:			
				KB 3112.00			
				DF 3110.00			
				GL 3102.00			
Date	20-OCT-2013						
Run Number	ONE						
Service Order	3539909						
Depth Driller	4865.00			feet			
Depth Logger	4864.00			feet			
First Reading	4851.04			feet			
Last Reading	3800.00			feet			
Casing Driller	268.00			feet			
Casing Logger	262.00			feet			
Bit Size	7.875			inches			
Hole Fluid Type	CHEM						
Density / Viscosity	8.80 lb/USg		46.00 CP				
PH / Fluid Loss	10.50		8.80 ml/30Min				
Sample Source	MUDPIT						
Rm @ Measured Temp	0.46 @ 62.0		ohm-m				
Rmf @ Measured Temp	0.37 @ 62.0		ohm-m				
Rmc @ Measured Temp	0.55 @ 62.0		ohm-m				
Source Rmf / Rmc	CALC	CALC					
Rm @ BHT	0.27 @109.0		ohm-m				
Time Since Circulation	4 HRS						
Max Recorded Temp	109.00		deg F				
Equipment / Base	13057		LIB				
Recorded By	ROB HOFFMAN			DEREK CARTER			
Witnessed By	TIM PRIEST						
JOB #	LB13-297						

BOREHOLE RECORD					Last Edited: 21-OCT-2013 03:14
Bit Size inches		Depth From feet		Depth To feet	
7.875		268.00		4865.00	
CASING RECORD					
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft	
SURFACE	8.625	0.00	268.00	24.00	

REMARKS
- SOFTWARE ISSUE: WLS 13.05.9583
- TOOLS: MCG, MML, MDN, MPD, MFE, MSS, MAI RUN IN COMBINATION
- HARDWARE: MDN: DUAL BOWSPRING ECCENTRALIZER MFE: 1 X 0.5 INCH STANDOFF MSS: 2 X 0.5 INCH STANDOFF MAI: 2 X 0.5 INCH STANDOFF
- 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY
- BOREHOLE RUGOSITY, TIGHT PULLS, AND WASHOUTS WILL AFFECT DATA QUALITY
- ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST
- TOTAL HOLE VOLUME FROM TD TO 3800 FT.: 370 CU. FT.

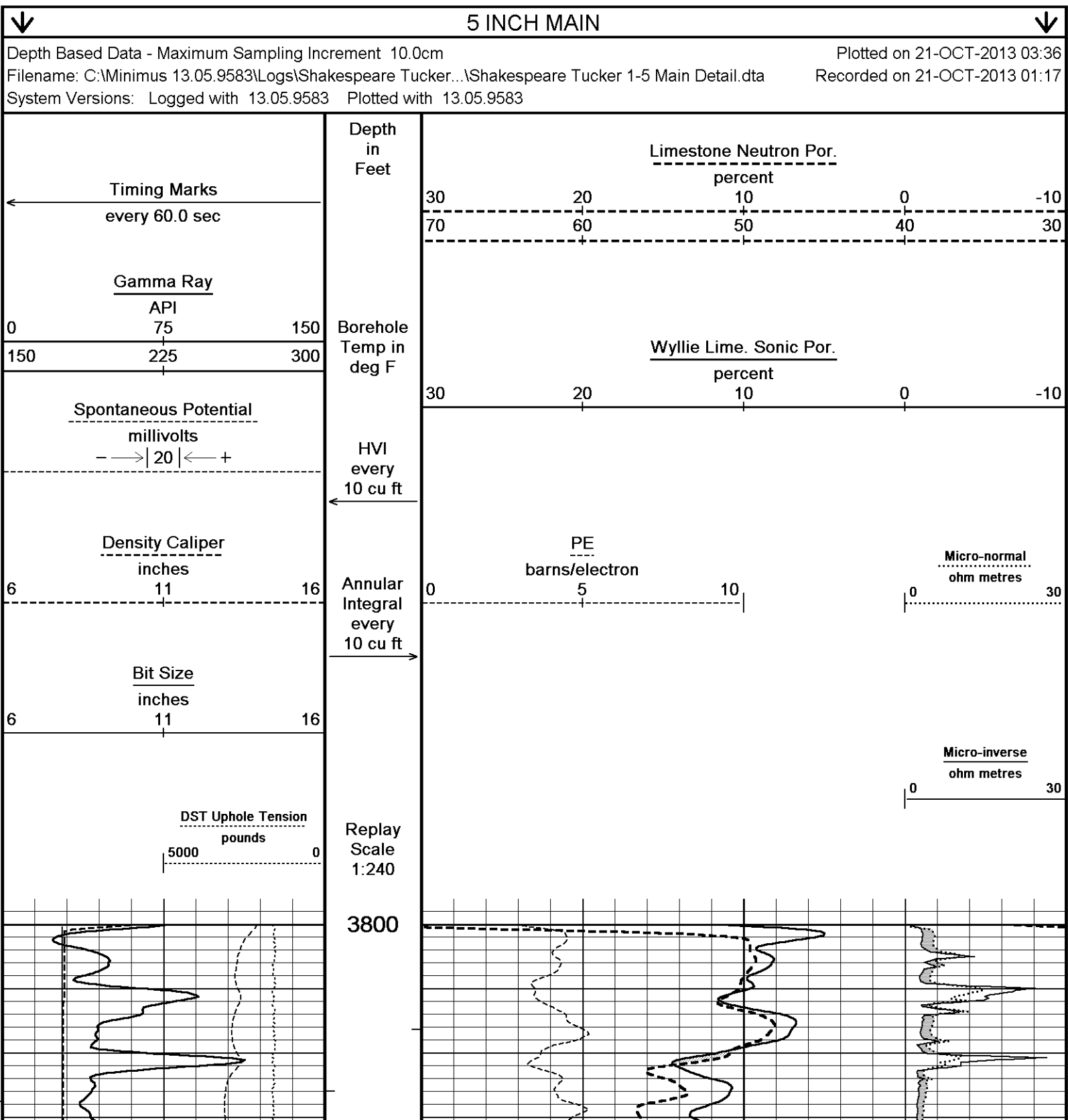
- ANNULAR HOLE VOLUME WITH 4.5 INCH CASING FROM TD TO 3800 FT.: 260 CU. FT.

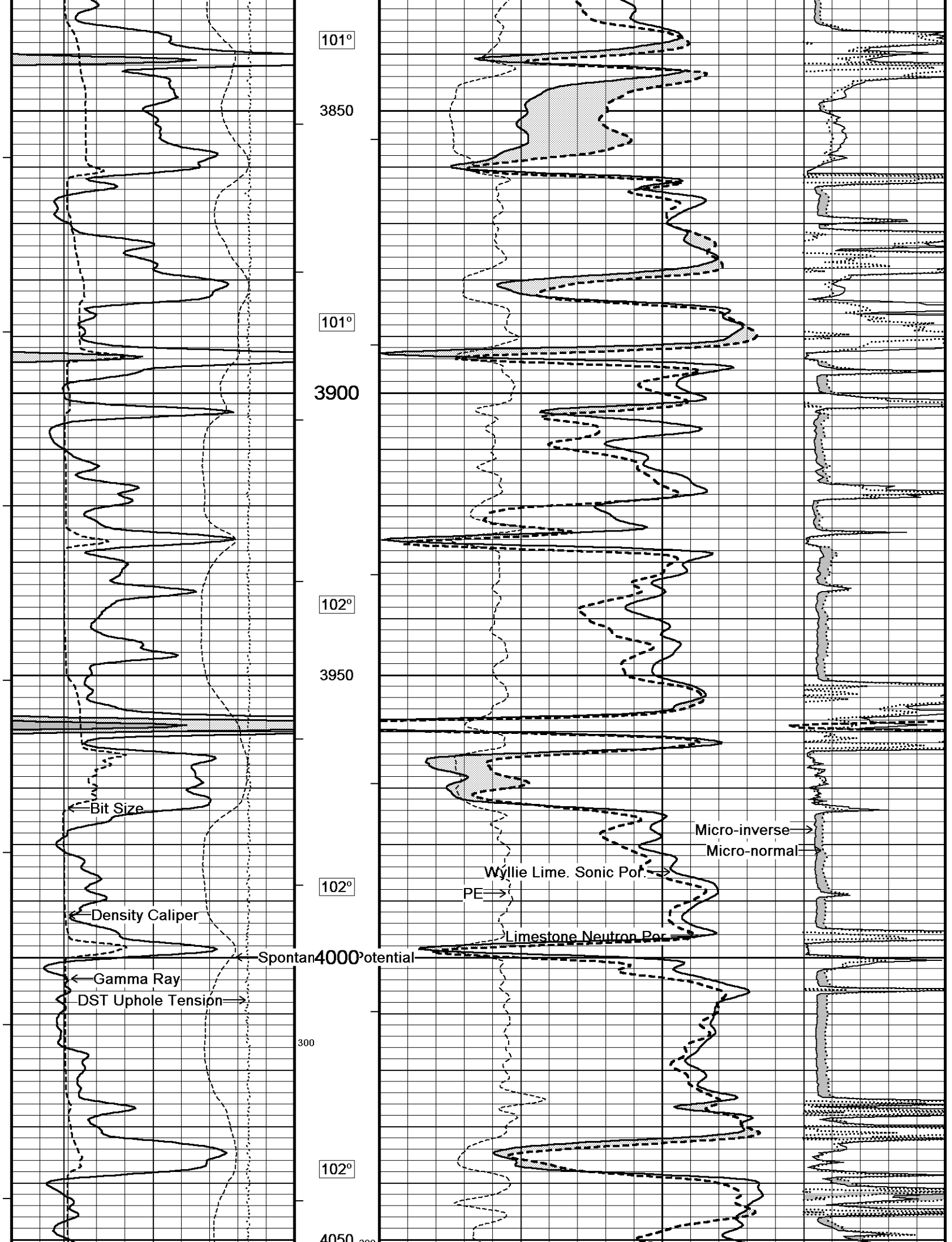
- RIG: HD DRILLING #2

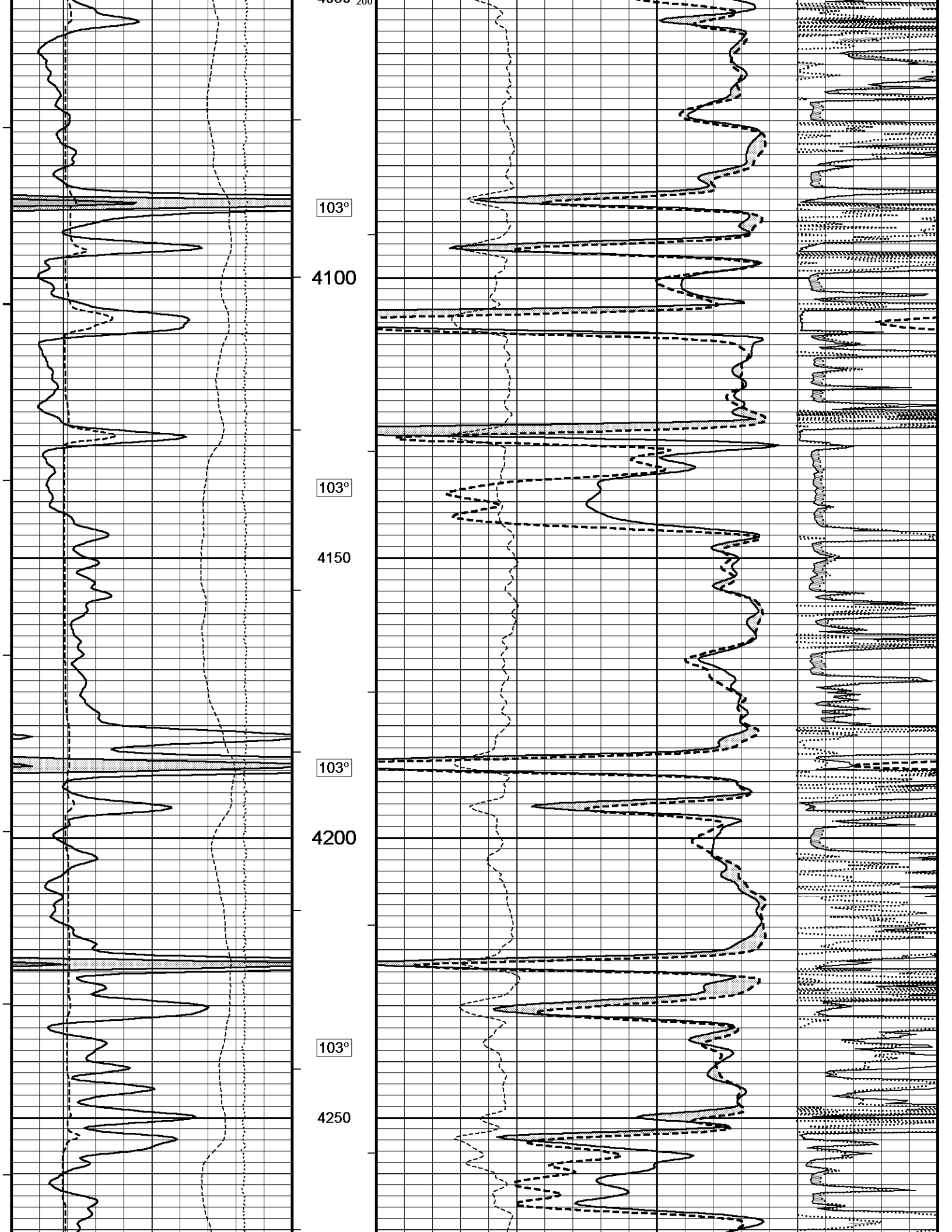
- ENGINEER: ROB HOFFMAN, DEREK CARTER

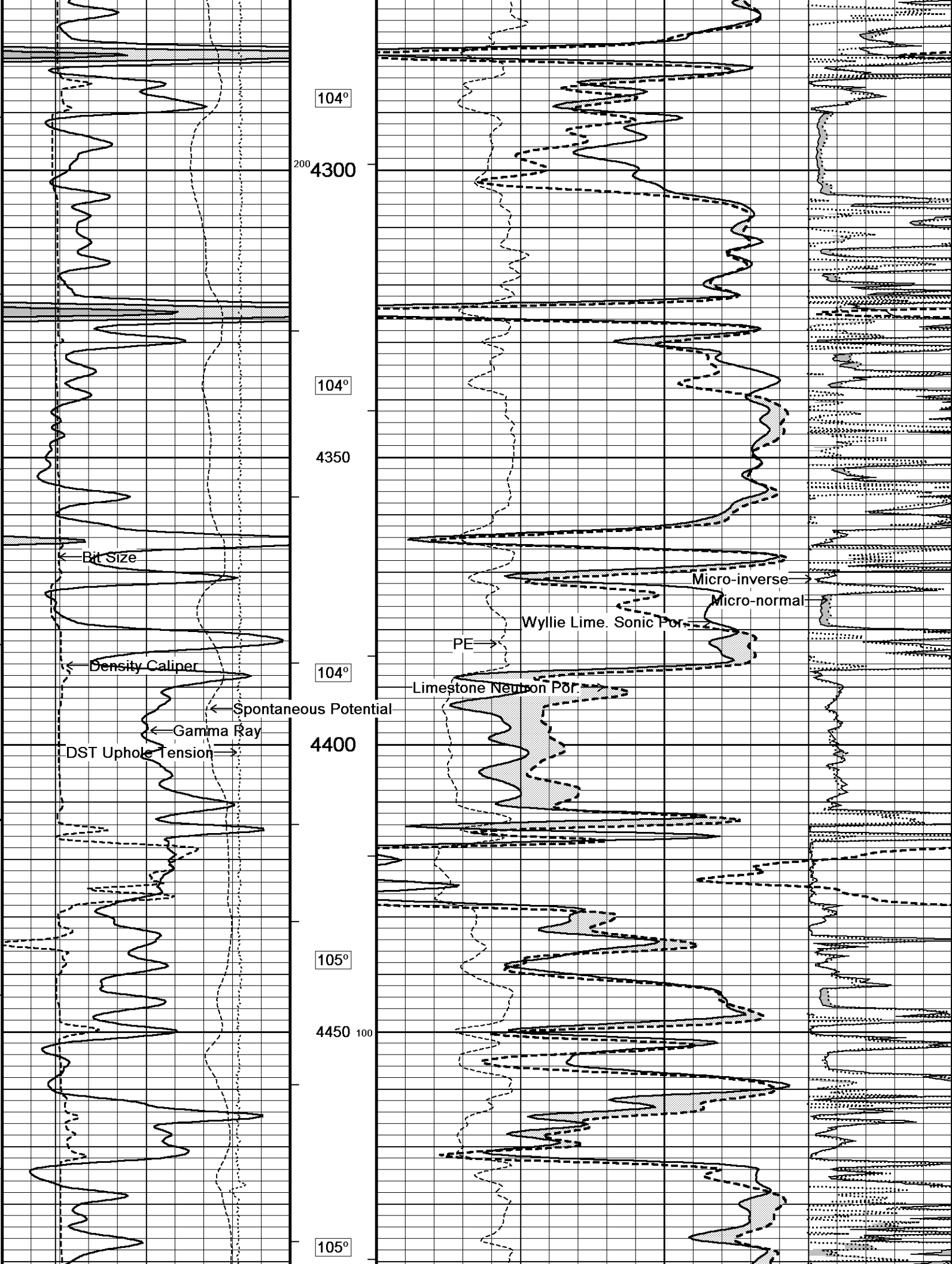
- OPERATOR: OSCAR CRUZ

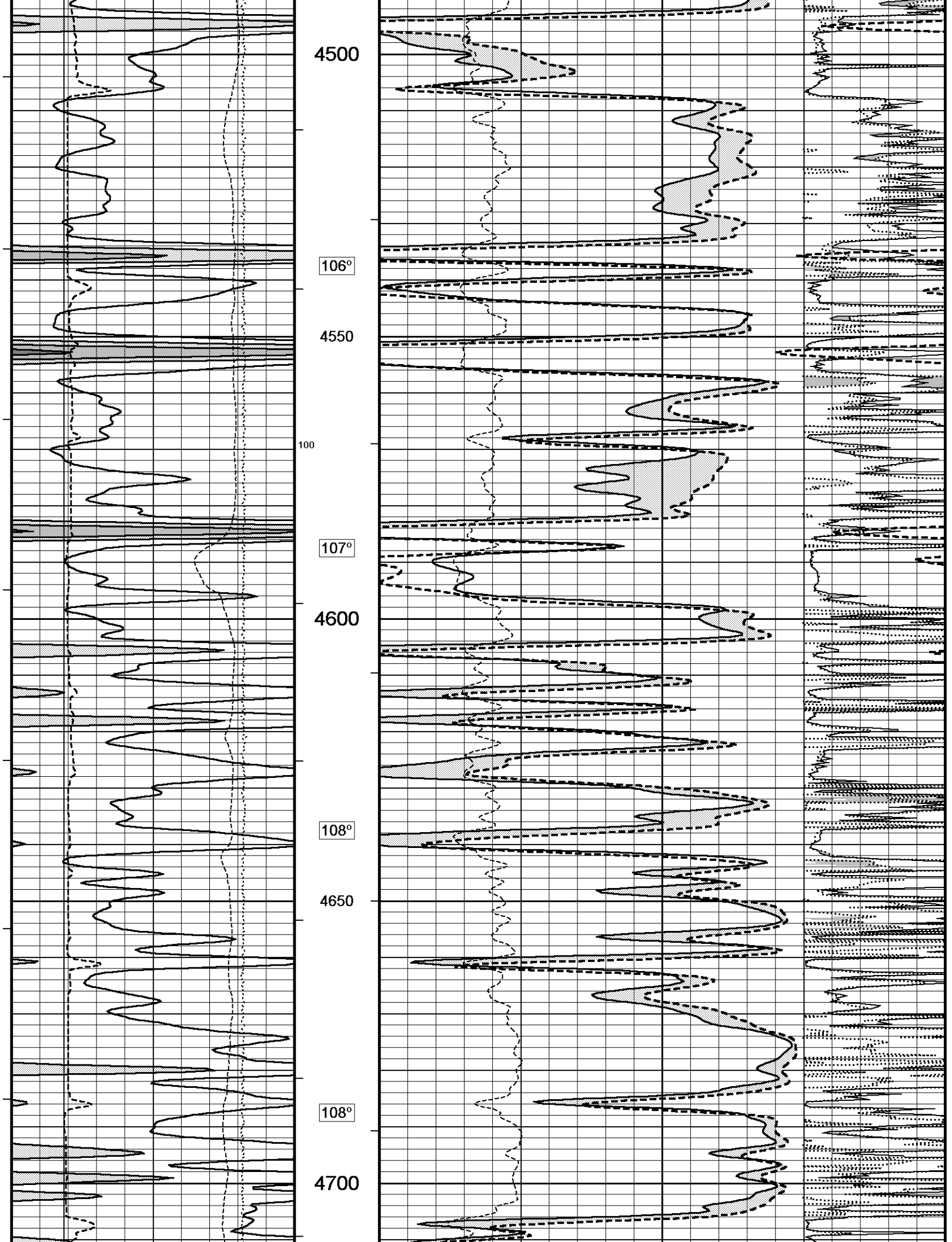
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.

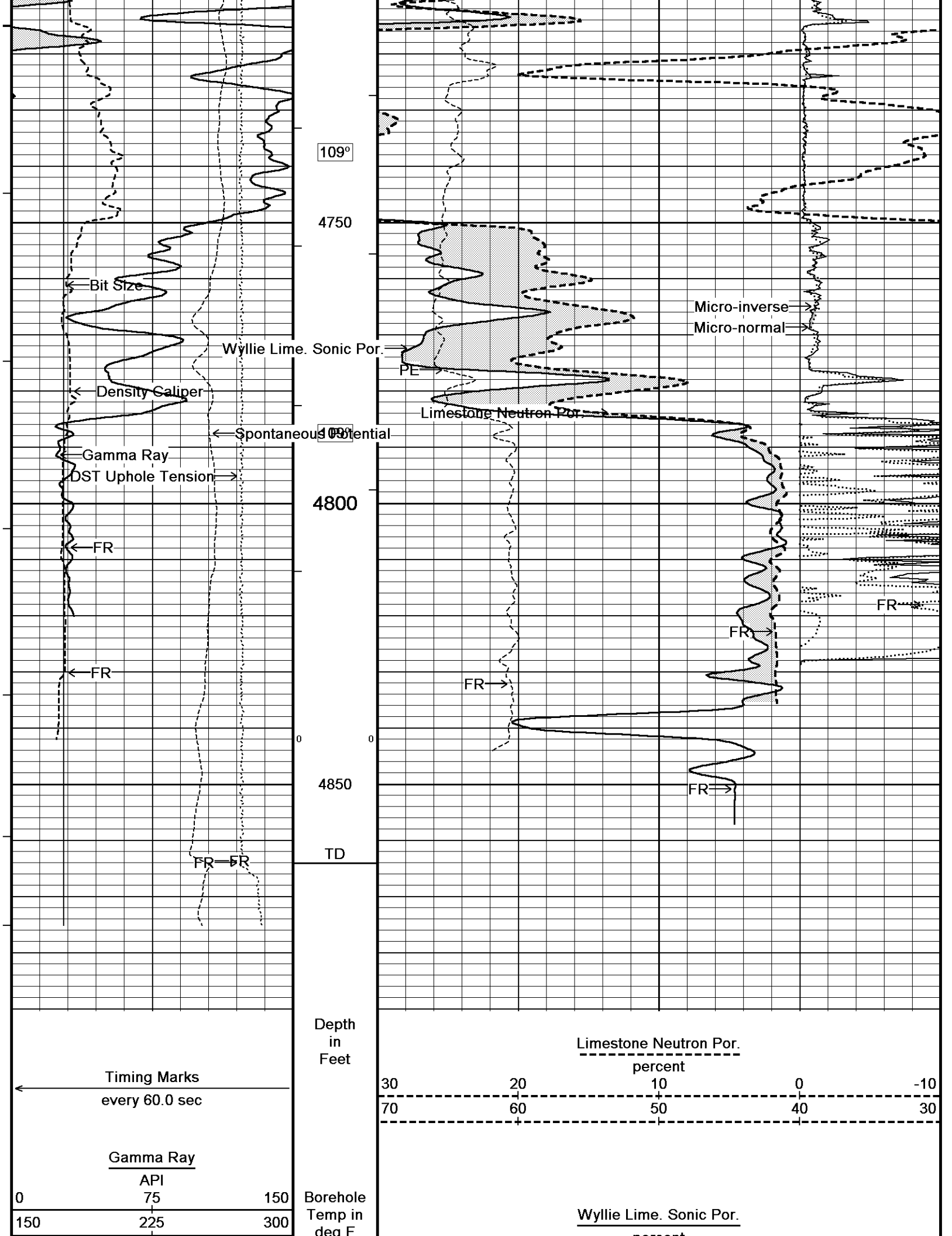


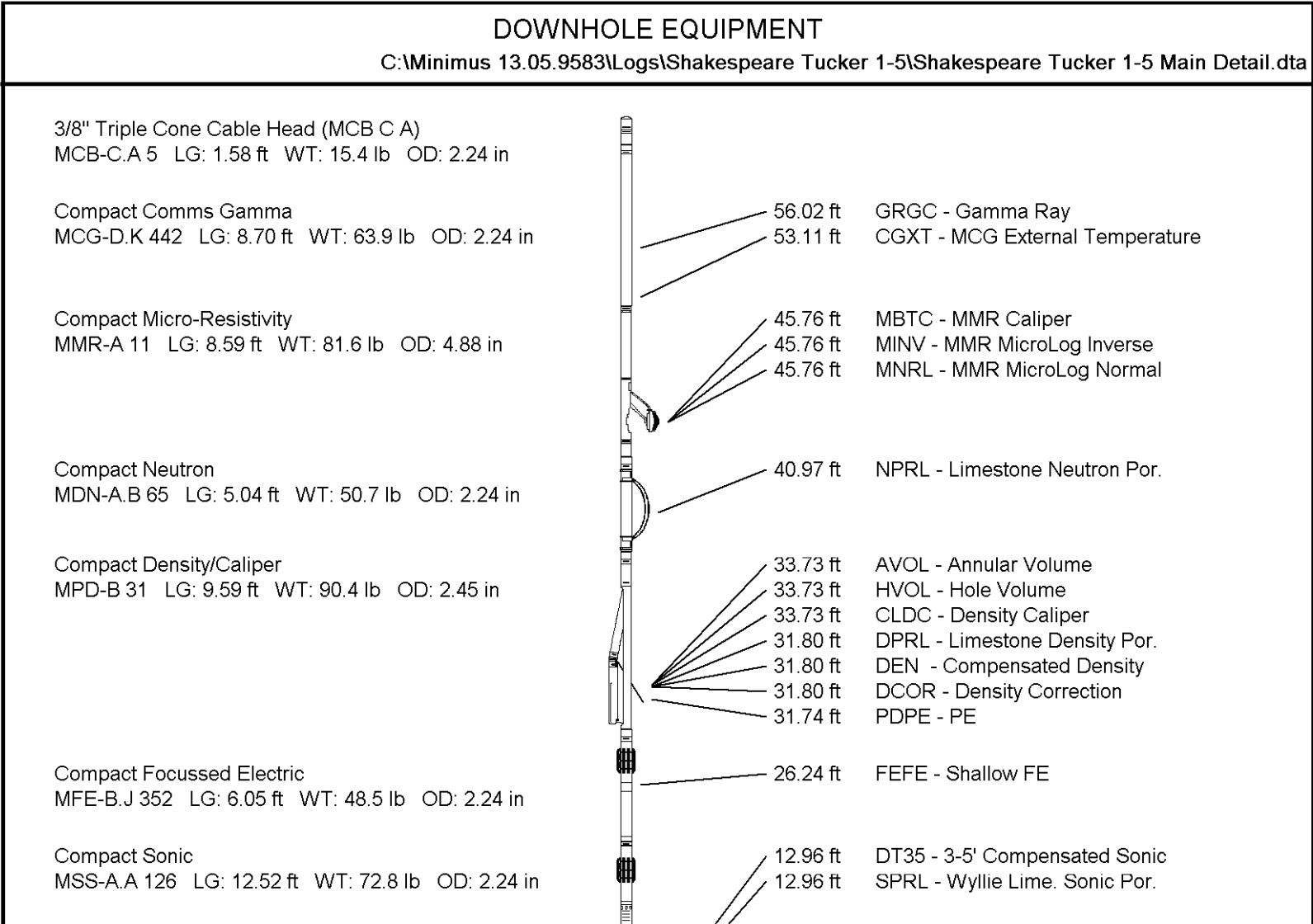
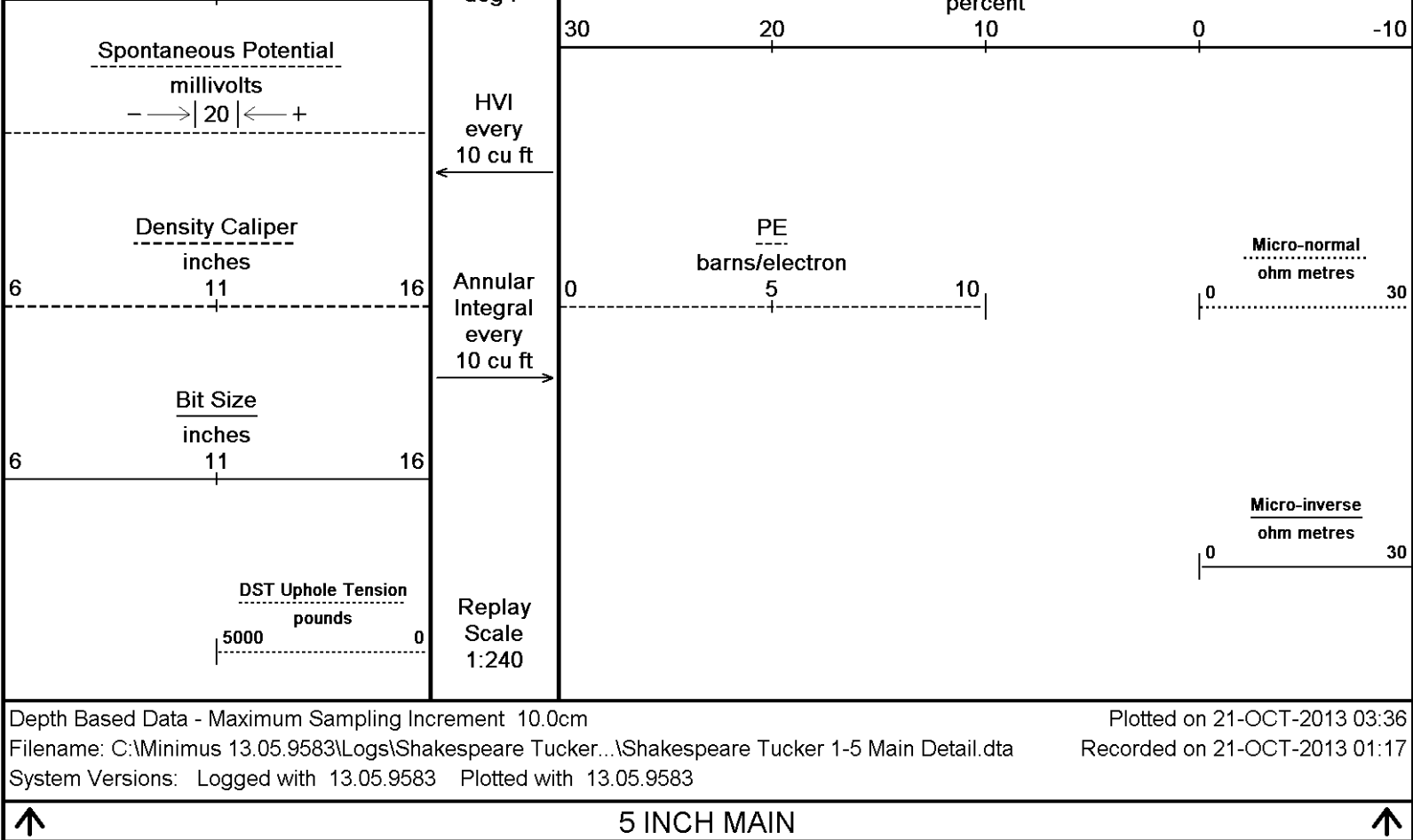






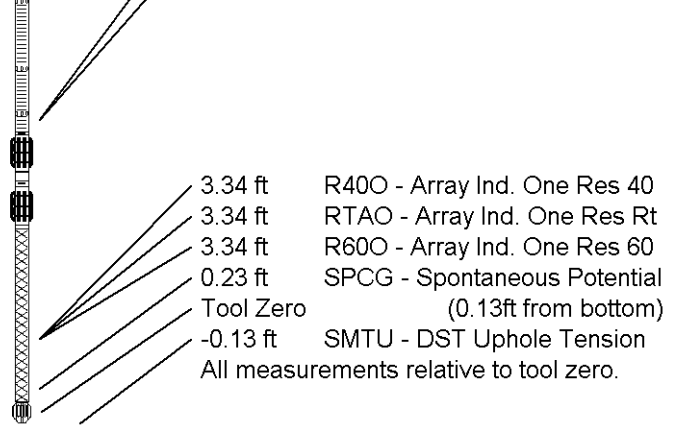






Compact Induction
MAI-A.A 45 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 62.88 ft Weight: 471.8 lb



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WELL	TUCKER 1-5
FIELD	WILDCAT
PROVINCE/COUNTY	SCOTT
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	3112.00	feet	First Reading	4851.04	feet
Elevation Drill Floor	3110.00	feet	Depth Driller	4865.00	feet
Elevation Ground Level	3102.00	feet	Depth Logger	4864.00	feet



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