

HALLIBURTON

ANNULAR HOLE VOLUME LOG 5 1/2" CASING

COMPANY		K3 OIL & GAS	
WELL		BOYER 3-3	
FIELD/BLOCK		WILDCAT	
COUNTY		SUMNER	
STATE		KANSAS	
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WELL		BOYER 3-3	
FIELD/BLOCK		WILDCAT	
COUNTY		SUMNER	
STATE		KANSAS	
API No.		15-191-22774-00-00	
Location		(SHL) 1170' FML & 1442' FML SW SW NE NW	
Other Services:		ACRT SDL-DSN-ML BSAT XRMI	
Sect. 3		Twp. 35S	
Rge. 4W			
Permanent Datum		G.L.	
Log measured from		KB	
Drilling measured from		KB	
Date		29-Feb-16	
Run No.		1	
Depth - Driller		5050.00 ft	
Depth - Logger		5048.0 ft	
Bottom - Logged Interval		5038	
Top - Logged Interval		512	
Casing - Driller		8.625 in @ 512.0 ft	
Casing - Logger		512.0 ft	
Bit Size		7.875 in	
Type Fluid in Hole		Water Based Mud	
Density		9.3 ppg	
Viscosity		48.00 s/qt	
PH		10.00 pH	
Fluid Loss		11.2 cpm	
Source of Sample		MUD PIT	
Rm @ Meas. Temperature		0.550 ohmm @ 88.00 degF	
Rmf @ Meas. Temperature		0.34 ohmm @ 85.00 degF	
Rmc @ Meas. Temperature		0.780 ohmm @ 85.00 degF	
Source Rmf		Rmc	
MEAS		MEAS	
Rm @ BHT		0.36 ohmm @ 138.0 degF	
Time Since Circulation		8.0000 hr	
Time on Bottom		29-Feb-16 09:46:11.000	
Max. Rec. Temperature		138.0 degF @ 5048.0 ft	
Equipment		Location	
12156883		EL RENO	
Recorded By		WHITLOCK	
Witnessed By		SUSAN RAINBOLT	

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Service Ticket No.: 903113086				API Serial No.: 15-191-22774-00-00				PGM Version: WL INSITE R4.6.3 (Build 5)							
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE								RESISTIVITY SCALE CHANGES							
Date		Sample No.						Type Log		Depth		Scale Up Hole		Scale Down Hole	
Depth-Driller															
Type Fluid in Hole															
Density		Viscosity													
Ph		Fluid Loss													
Source of Sample								RESISTIVITY EQUIPMENT DATA							
Rm @ Meas. Temp		@		@				Run No.		Tool Type & No.		Pad Type		Tool Pos.	
Rmf @ Meas. Temp.		@		@											
Rmc @ Meas. Temp.		@		@											
Source Rmf		Rmc													
Rm @ BHT		@		@											
Rmf @ BHT		@		@											
Rmc @ BHT		@		@											
EQUIPMENT DATA															
GAMMA				ACOUSTIC				DENSITY				NEUTRON			
Run No.				Run No.				Run No.				Run No.			
Serial No.				Serial No.				Serial No.				Serial No.			
Model No.				Model No.				Model No.				Model No.			
Diameter				No. of Cent.				Diameter				Diameter			
Detector Model No.				Spacing				Log Type				Log Type			
Type								Source Type				Source Type			
Length				LSA [Y/N]				Serial No.				Serial No.			
Distance to Source				FWDA [Y/N]				Strength				Strength			
LOGGING DATA															
GENERAL				GAMMA		ACOUSTIC		DENSITY				NEUTRON			
Run		Depth		Speed		Scale		Scale		Matrix		Scale		Matrix	
No.		From To		ft/min		L R		L R		L R		L R		L R	

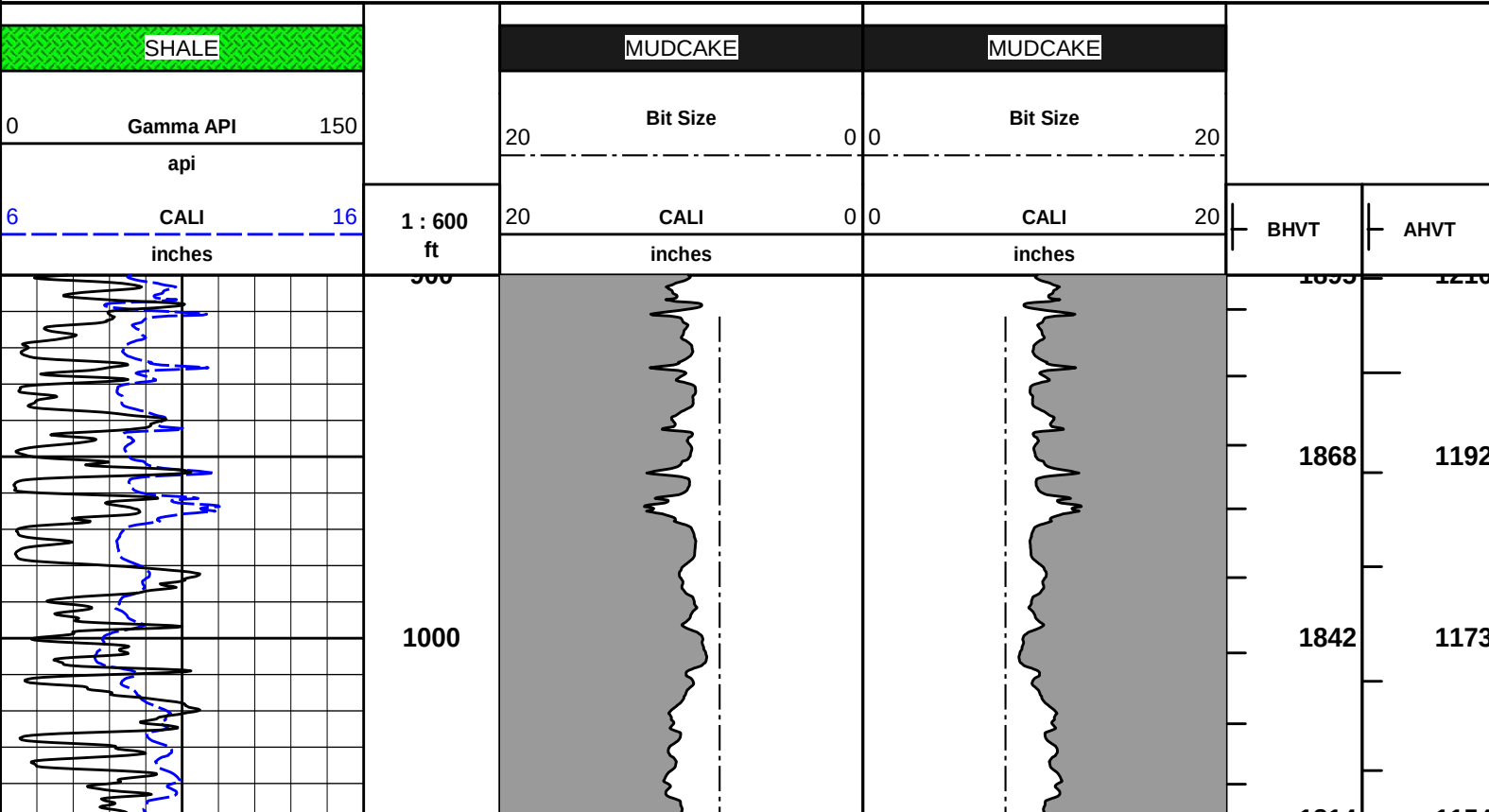
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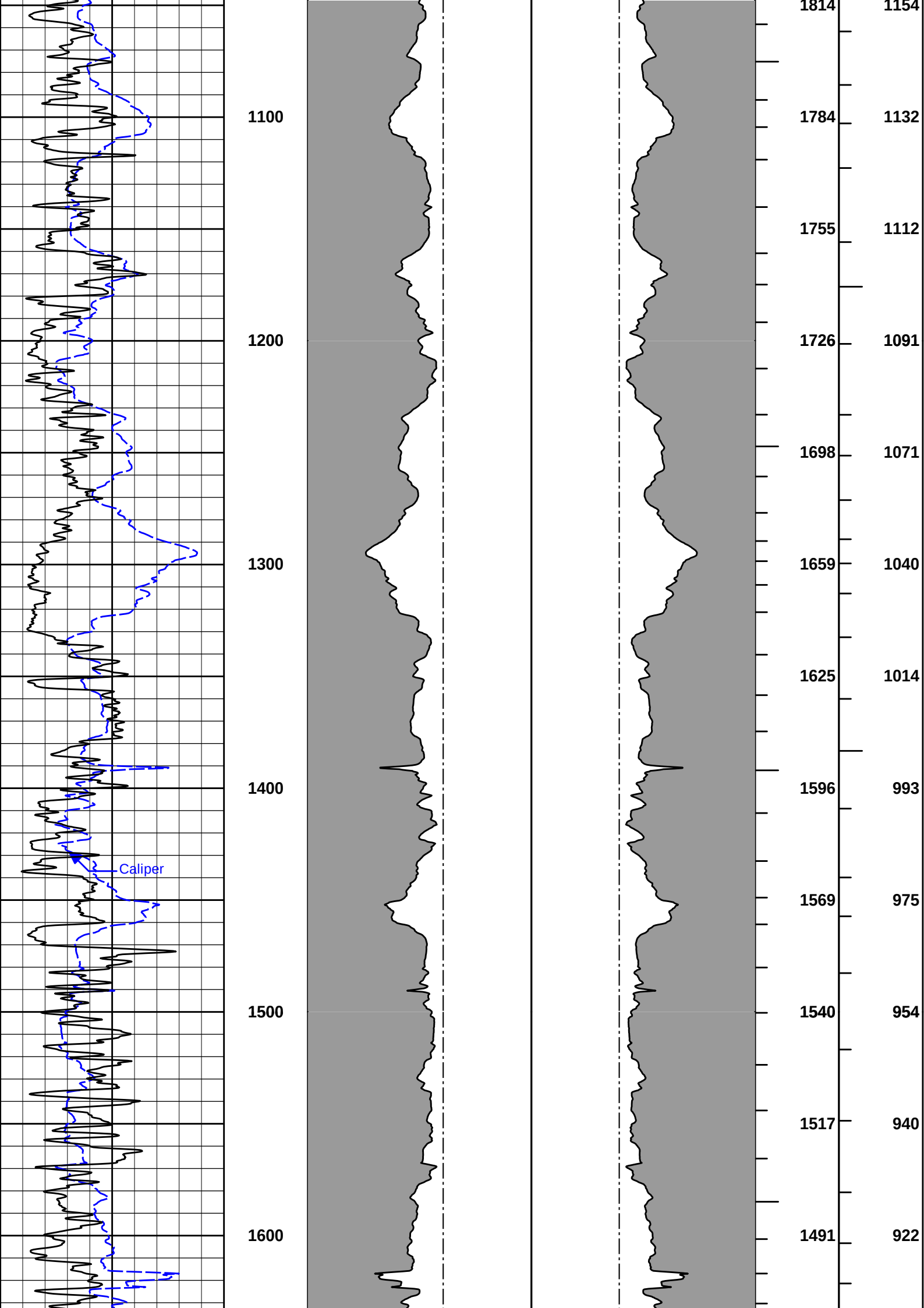
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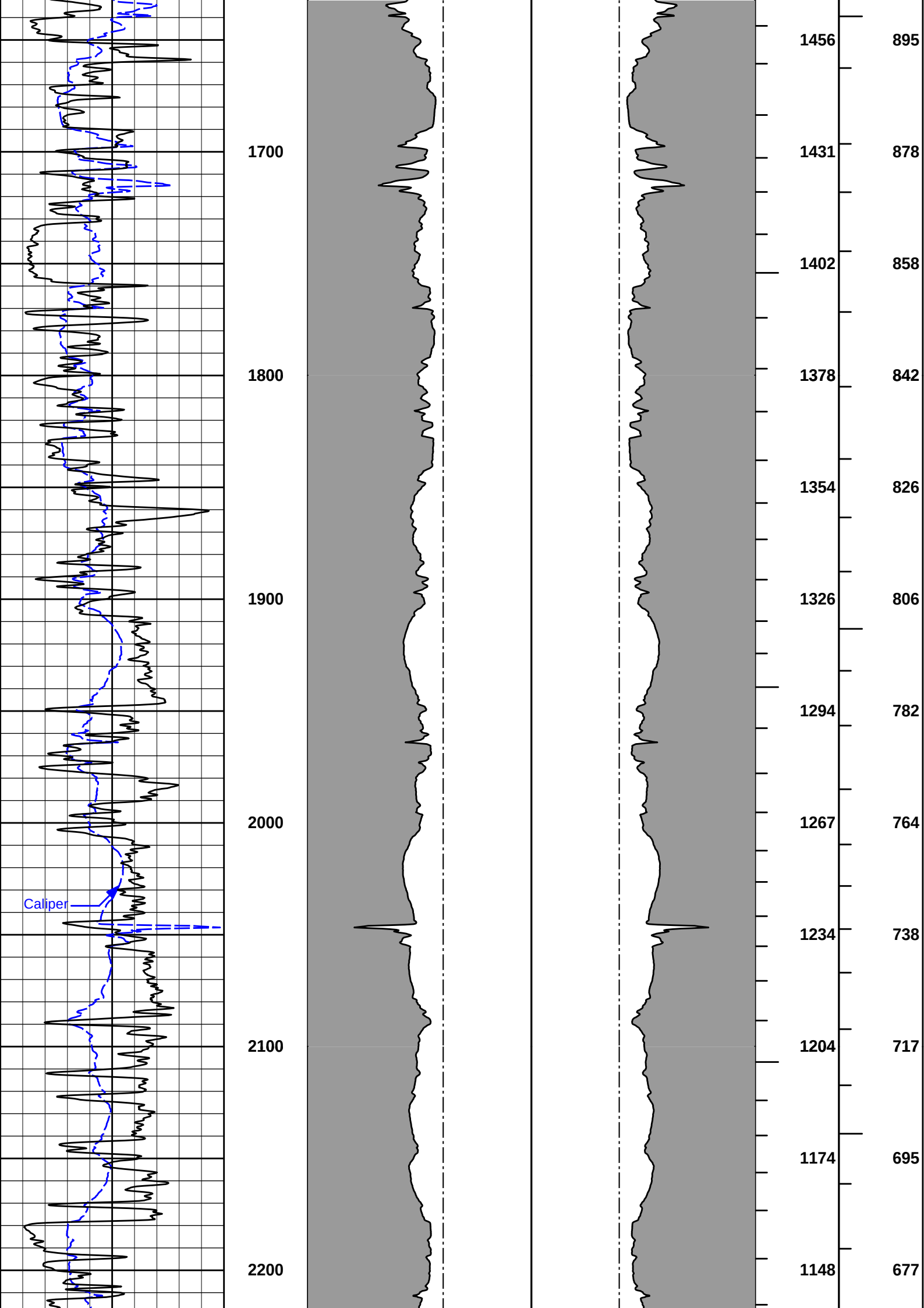
Plot Time: 29-Feb-16 14:48:32
Plot Range: 900 ft to 5050.92 ft
Data: K3_BOYER\Well Based\DAQ-0001-004\
Plot File: \\LOCAL-1\K3_BOYER\0001 GTET-XRMI-BSAT-FLX-DSNT-SDLT-ACRT\AHV\AHV Plot_INSITE_IQ

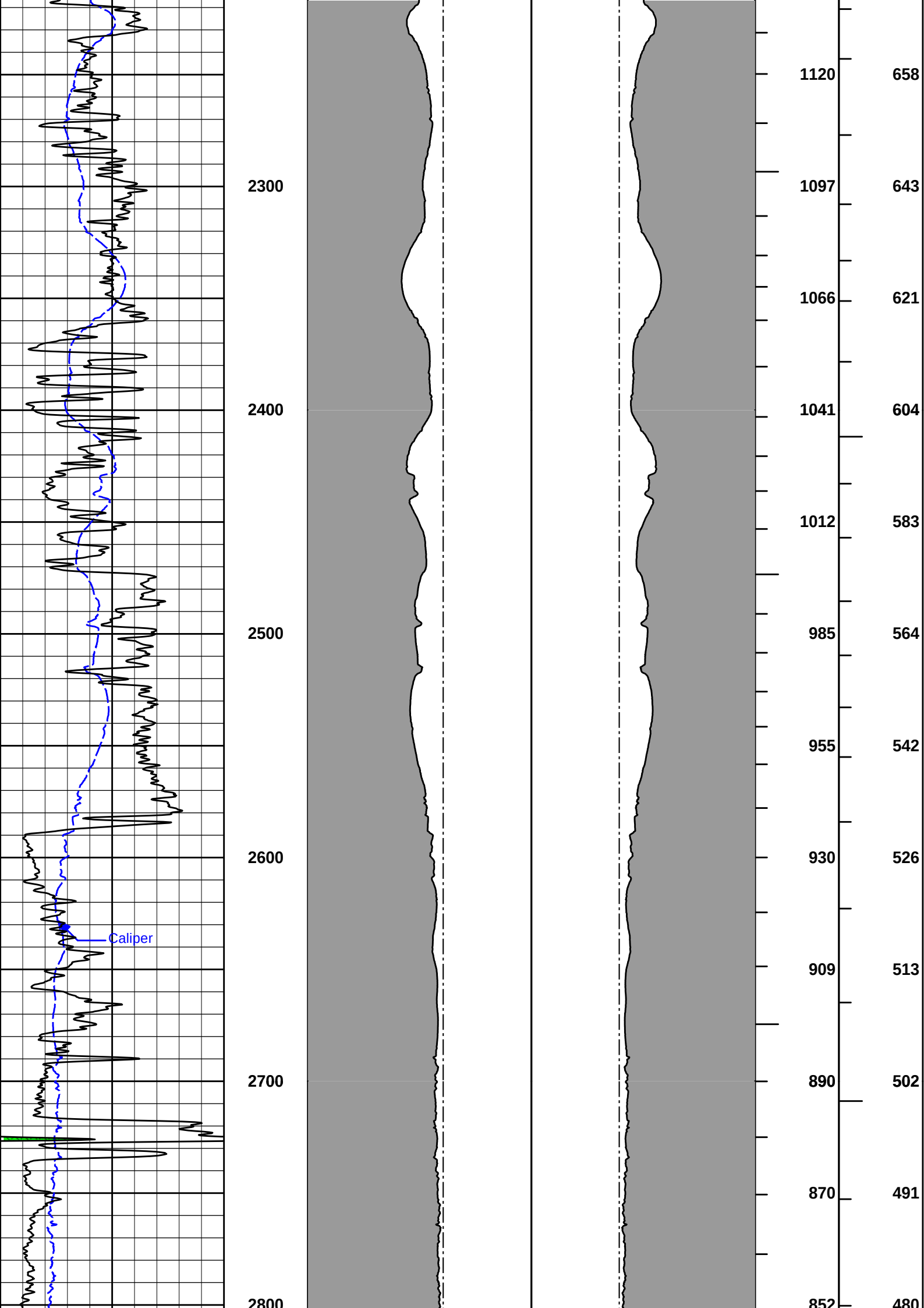
ANNULAR HOLE VOLUME PLOT

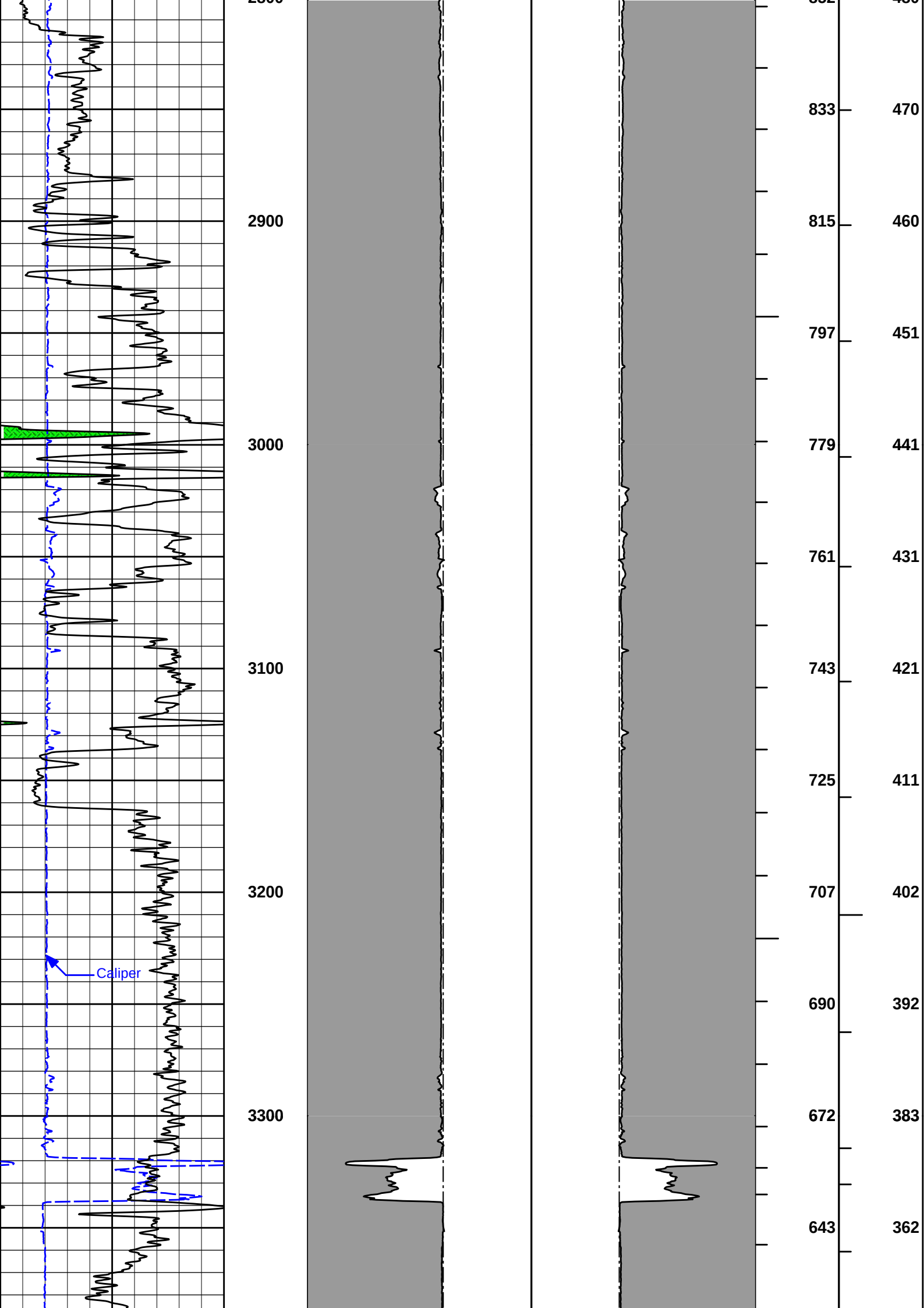
AHV PLOT CALCULATED FOR 5.5" CASING

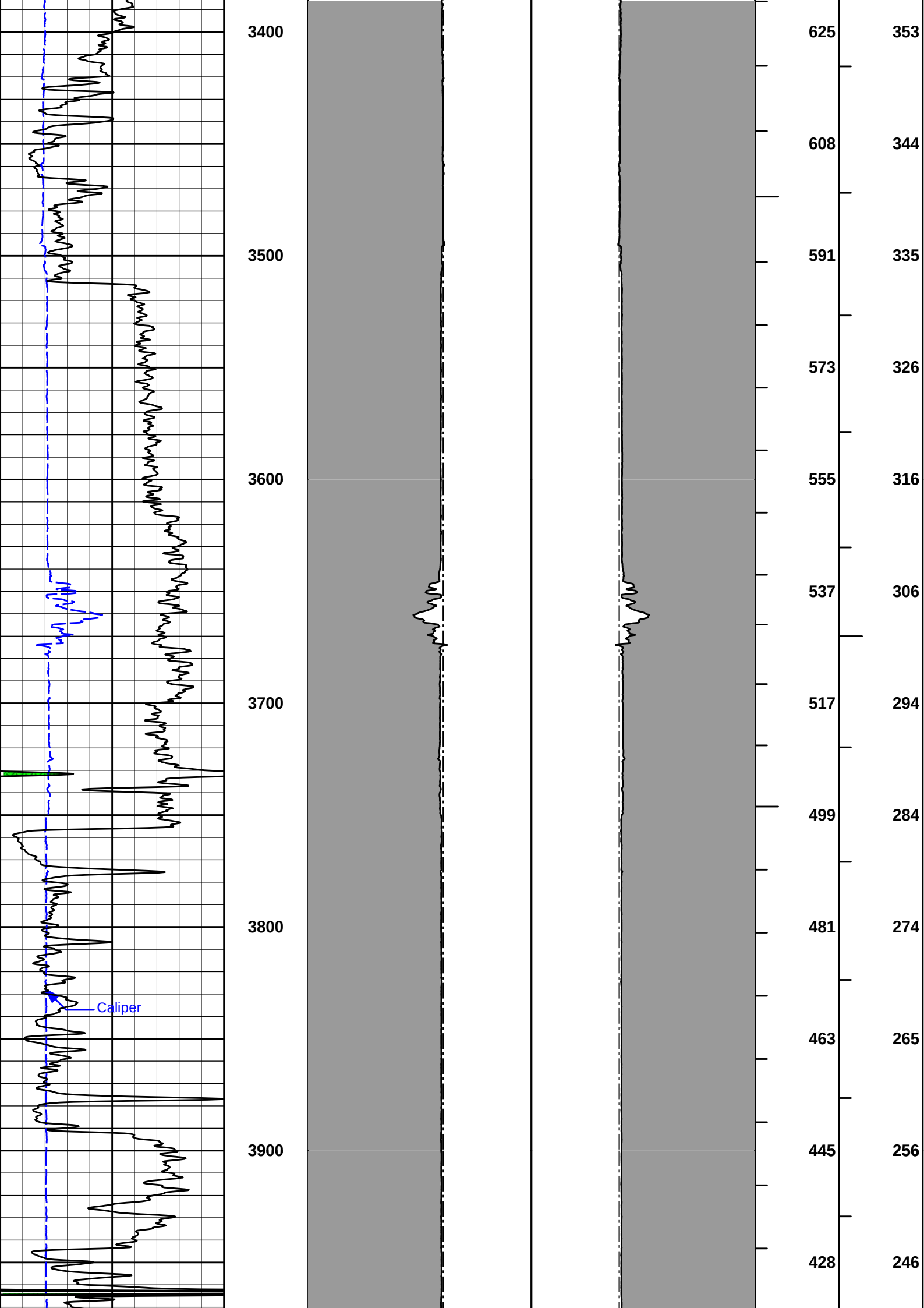


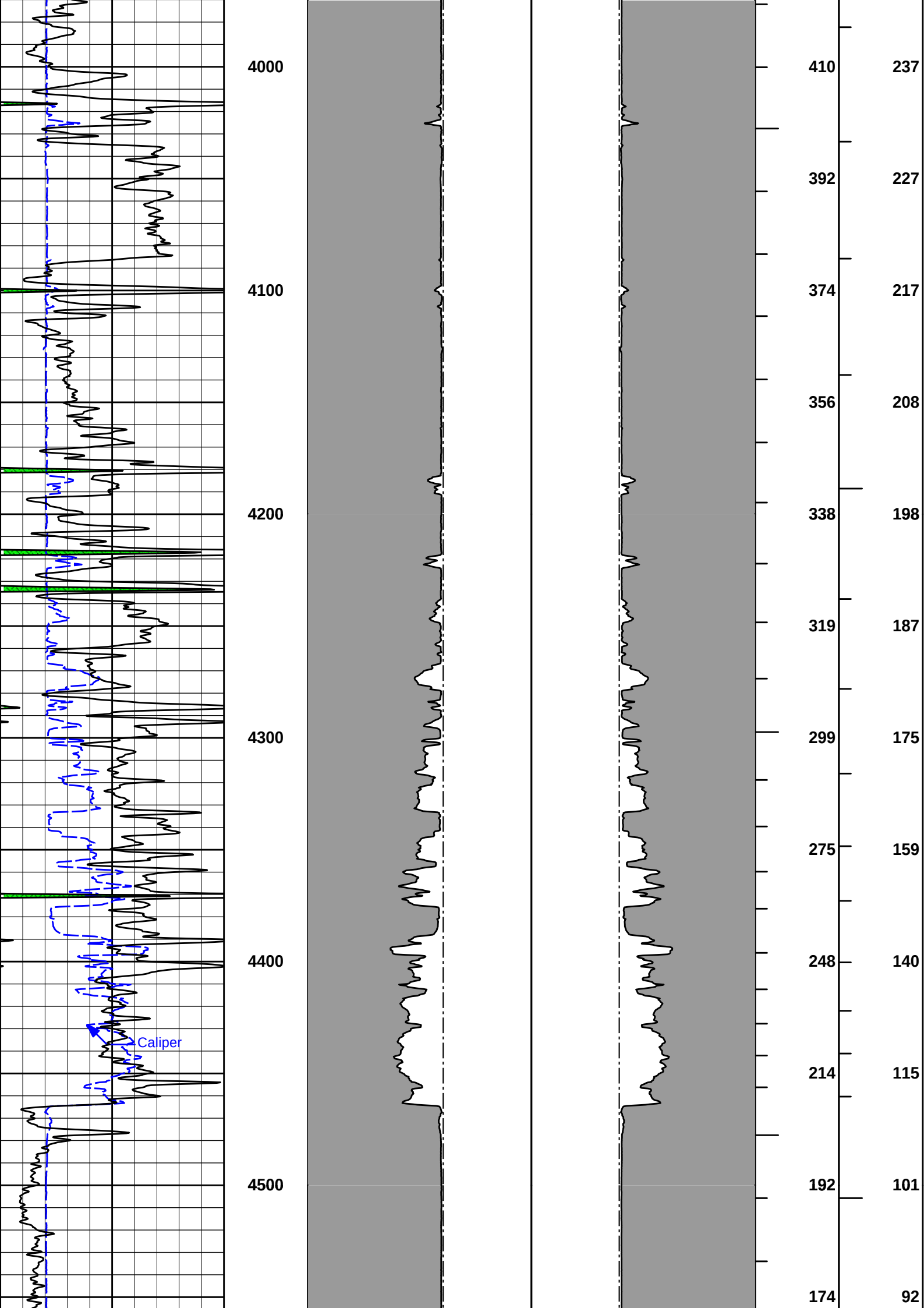


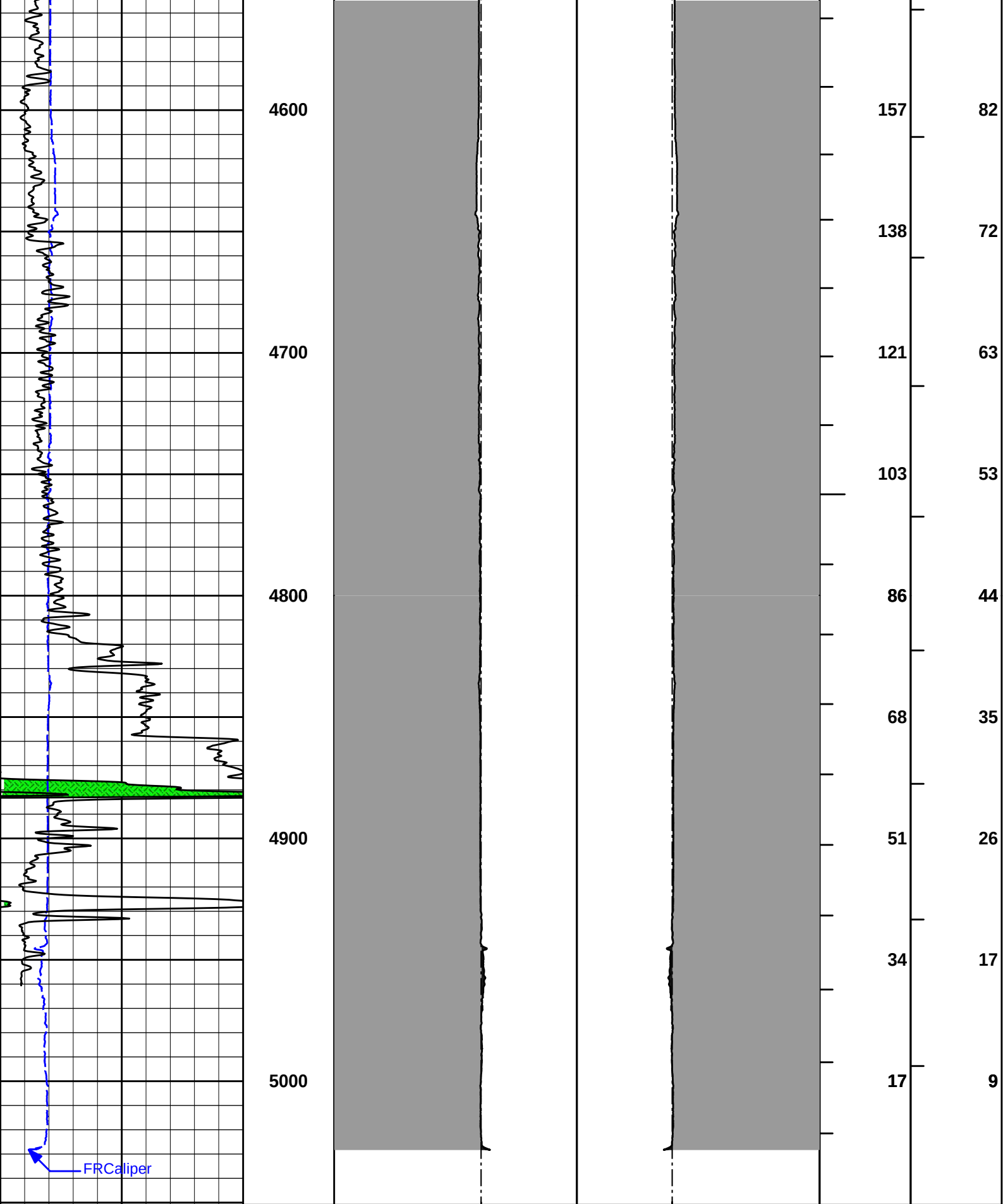












6	CALI	16	1 : 600 ft	20	CALI	0 0	20	BHVT	AHVT
	inches				inches				
	Gamma API	150		20	Bit Size	0 0	20		
	api								
	SHALE			MUDCAKE	MUDCAKE				

ANNULAR HOLE VOLUME PLOT

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