

HALLIBURTON

ANNULAR HOLE VOLUME PLOT 5.5 INCH CASING

COMPANY	BEREXCO INC.		
WELL	WELLINGTON KGS #1-28		
FIELD	WELLINGTON		
COUNTY	SUMNER		
STATE	KANSAS		
COMPANY	BEREXCO INC.	WELL	WELLINGTON KGS #1-28
FIELD	WELLINGTON	COUNTY	SUMNER
STATE	KANSAS	API No.	15-191-22590
Location	560' FSL & 1700' FWL		
Secl.	28	Twp.	31S
Rge.	1W		
Elev.	1257.0 ft	Elev.: K.B.	1270.0 ft
D.F.	1269.0 ft	D.F.	1257.0 ft
Other Services:	DSN/SDL MICRO CSNG GEM WSTT XRMI MRIL		

Permanent Datum	GL	Elev. 1257.0 ft
Log measured from	KB	13.0 ft above perm. Datum
Drilling measured from	KB	GL

Date	03-Mar-11
Run No.	1
Depth - Driller	5250.00 ft
Depth - Logger	5250.0 ft
Bottom - Logged Interval	5241.0 ft
Top - Logged Interval	648.0 ft
Casing - Driller	8.625 in @ 633.0 ft
Casing - Logger	648.0 ft @
Bit Size	7.875 in @
Type Fluid in Hole	WATER BASED MUD
Density	9.0 ppg 48.00 s/qt
PH	9.00 pH 6.0 cp/m
Source of Sample	MUD PIT
Rm @ Meas. Temperature	1.260 ohmm @ 70.00 degF @
Rmf @ Meas. Temperature	1.110 ohmm @ 70.00 degF @
Rmc @ Meas. Temperature	1.500 ohmm @ 70.00 degF @
Source Rmf	MEAS Rmc MEAS
Rm @ BHT	0.85 ohmm @ 130.0 degF @
Time Since Circulation	4.0 hr
Time on Bottom	03-Mar-11 23:12
Max. Rec. Temperature	130.0 degF @ 5250.0 ft @
Equipment	10546696 LIBERAL
Recorded By	J. BOSCH
Witnessed By	L. WATNEY
	K. CRISLER
	G. KORALEGEDARRA

Fold here

Service Ticket No.: 7980390 API Serial No.: 15-191-22590 PGM Version: WL INSITE R3.2.0 (Build 7)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE				RESISTIVITY SCALE CHANGES				
Date	Sample No.			Type Log	Depth	Scale Up Hole	Scale Down Hole	
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.	Other
Rmf @ Meas. Temp.	@	@		ONE	ACRT S5909	N/A	1.5 S.O.	N/A
Rmc @ Meas. Temp.	@	@						
Source Rmf	Rmc							
Rm @ BHT	@	@						
Rmf @ BHT	@	@						
Rmc @ BHT	@	@						

EQUIPMENT DATA							
GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.		Run No.		Run No.	
Serial No.	11039640	Serial No.		Serial No.		Serial No.	
Model No.	GTET	Model No.		Model No.		Model No.	
Diameter	3.625	No. of Cent.		Diameter		Diameter	
Detector Model No.	T-102	Spacing		Log Type		Log Type	
Type	SCINT			Source Type		Source Type	
Length	8"	LSA [Y/N]		Serial No.		Serial No.	
Distance to Source	10'	FWDA [Y/N]		Strength		Strength	

LOGGING DATA

GENERAL GAMMA ACOUSTIC DENSITY NEUTRON

Run No.	GENERAL		Speed ft/min	GAMMA		ACOUSTIC		Matrix	DENSITY		Matrix	NEUTRON	
	Depth			Scale		Scale			Scale			Scale	
	From	To		L	R	L	R		L	R		L	R
ONE	648	5241	REC	0	150								

DIRECTIONAL INFORMATION

Maximum Deviation @ KOP @

Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING

CHLORIDES: 3000 PPM LCM: 13 LB/BBL

GPS COORDINATES: LAT: 37.19 N LONG: 97.26 W

GTET/CSNG/GEM/DSN/SDL/ACRT RAN IN COMBINATION

TODAY'S CREW: V. JAIME, K. KELLY

THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES, LIBERAL, KS 620-624-8123

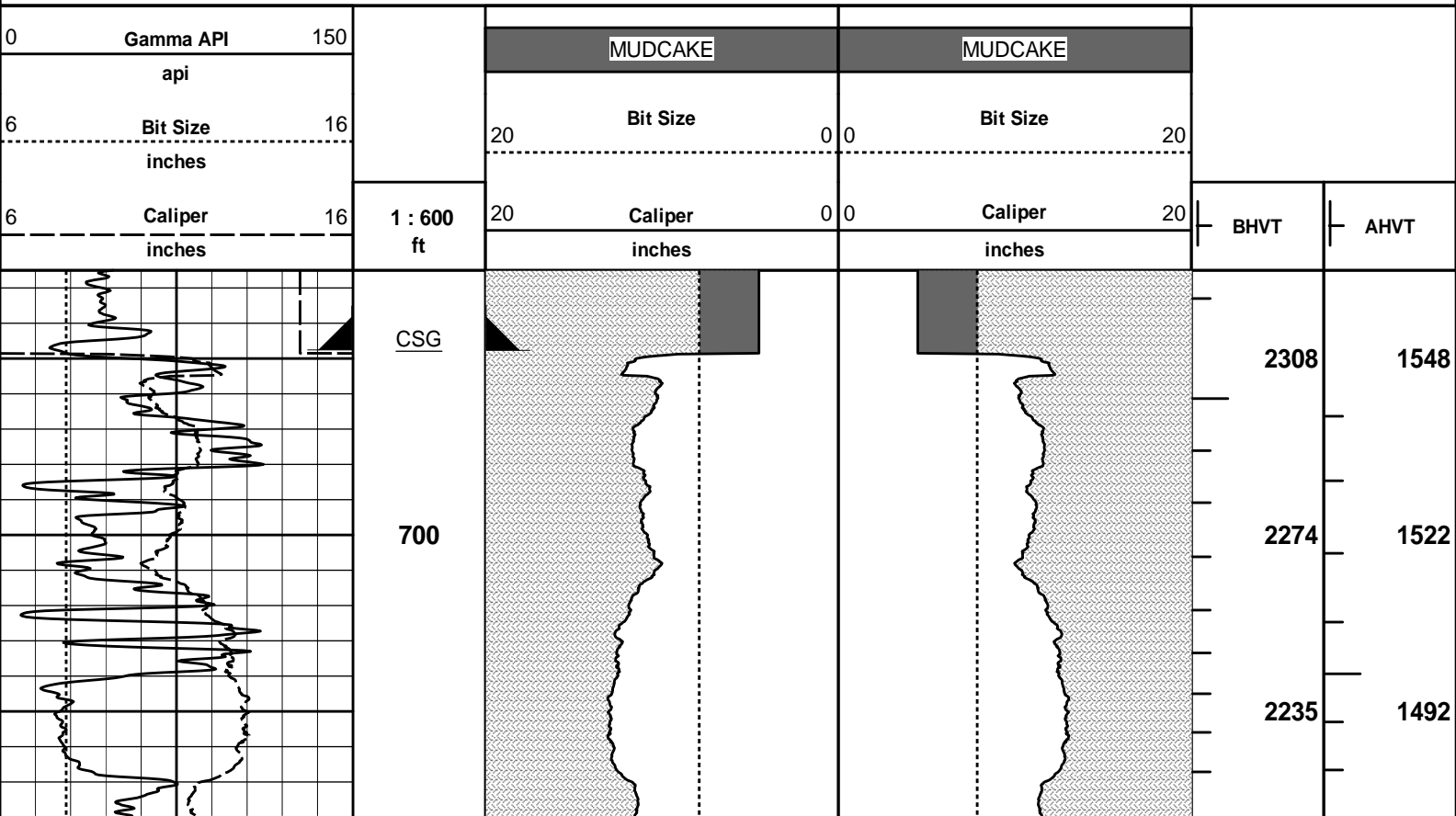
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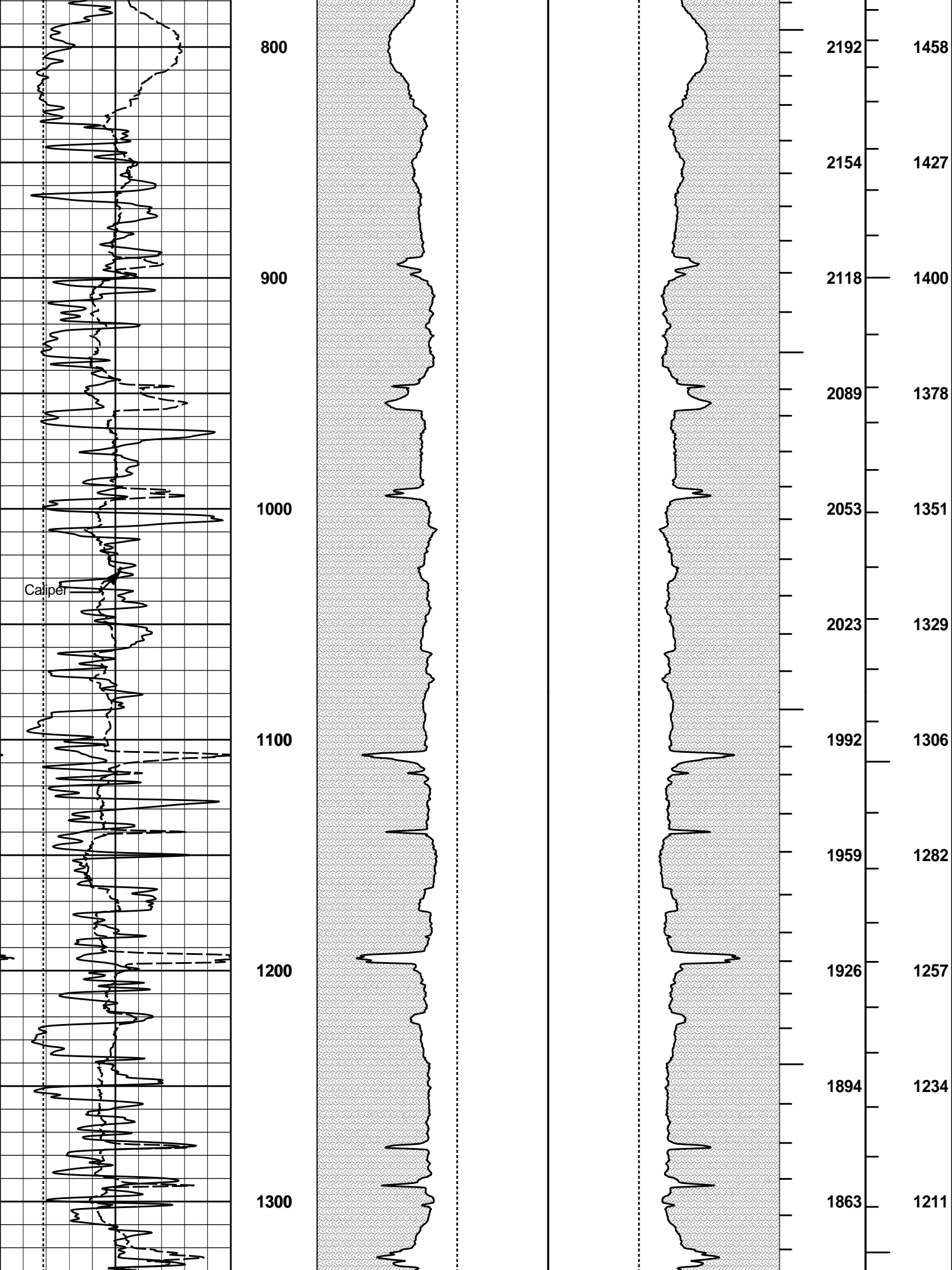
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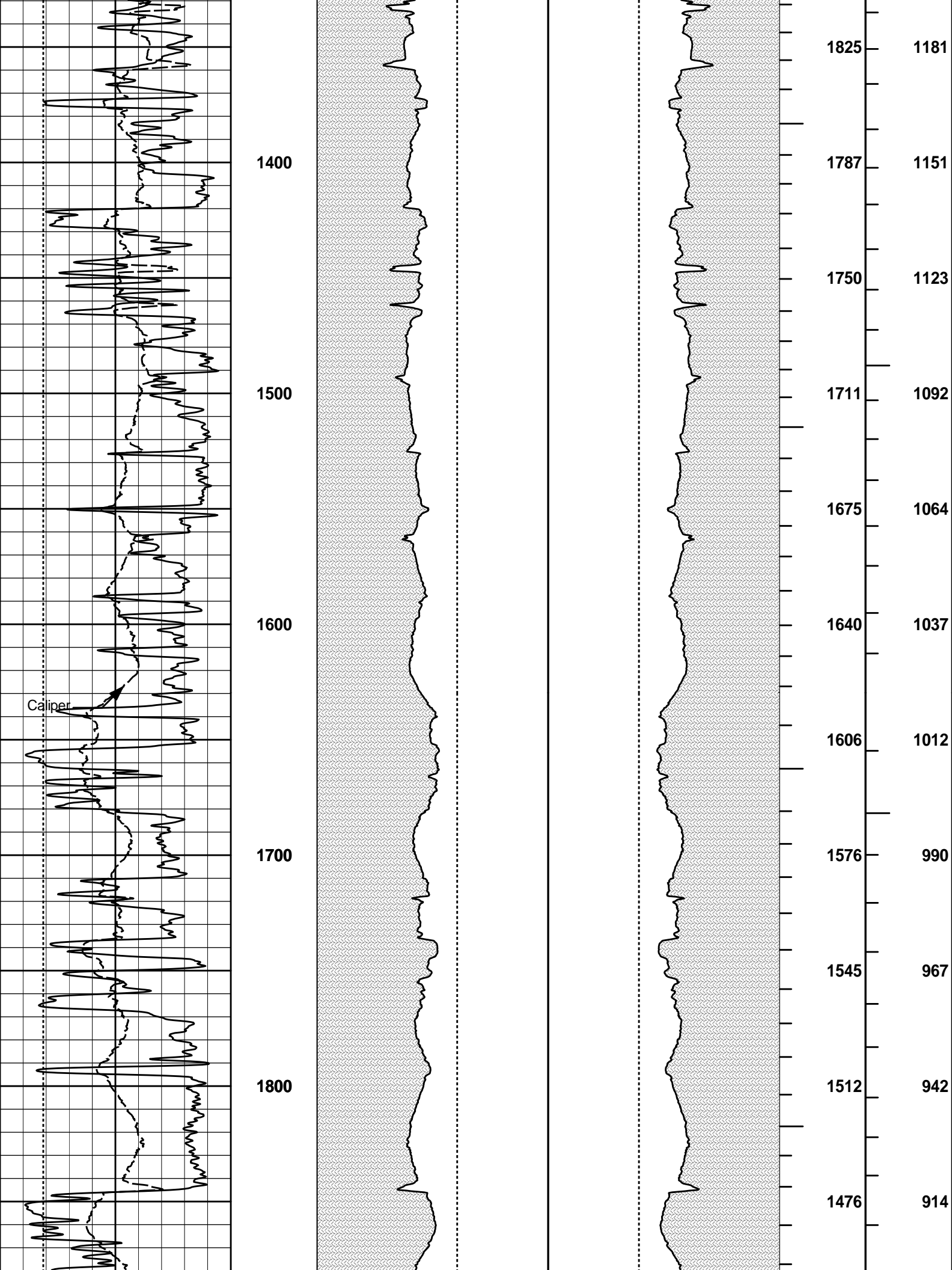


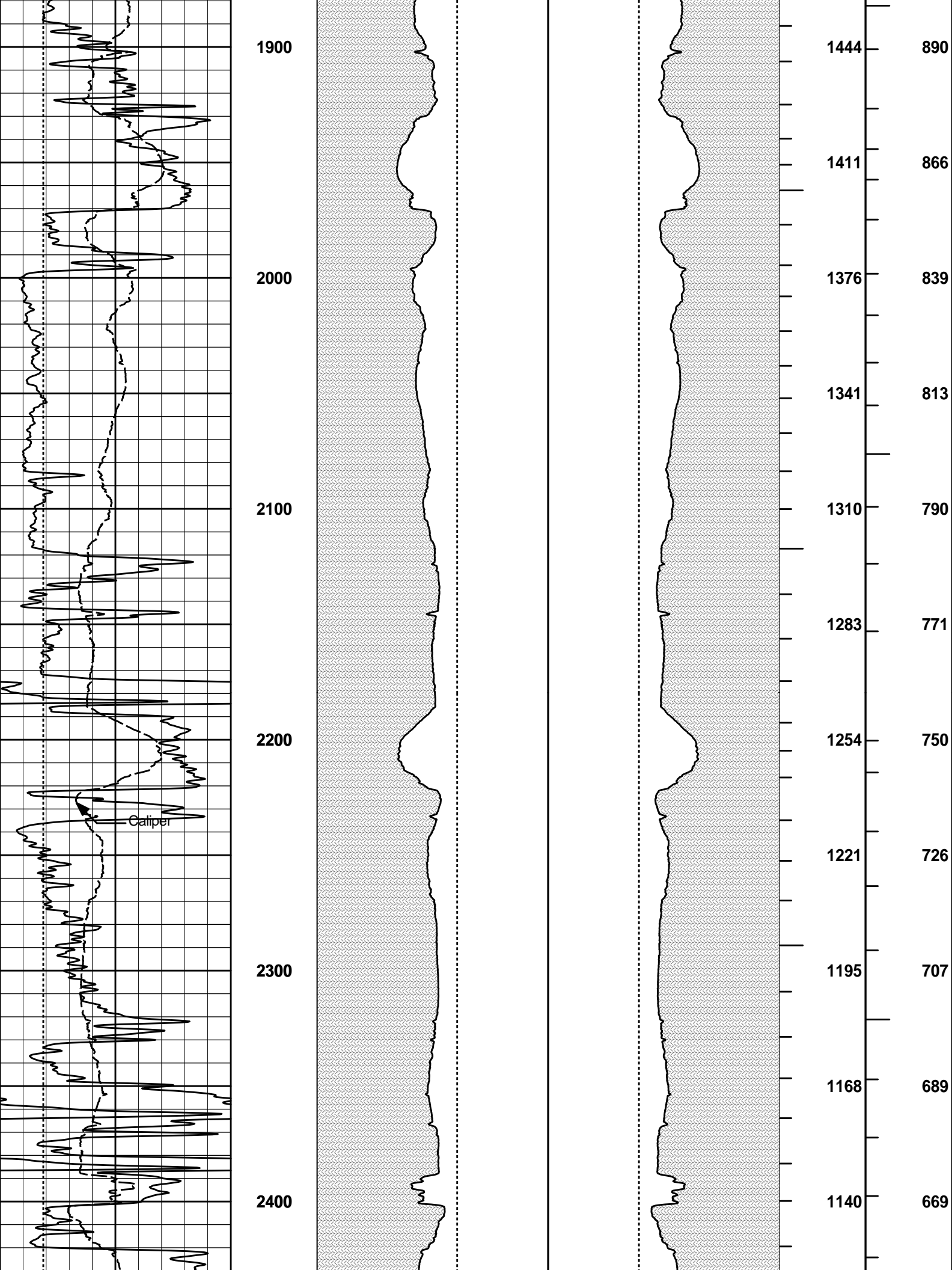
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 Plot File: \\-LOCAL-WELINGTN_KGS_R2\Well Based\AHV\AHV_2_IQ_LIB

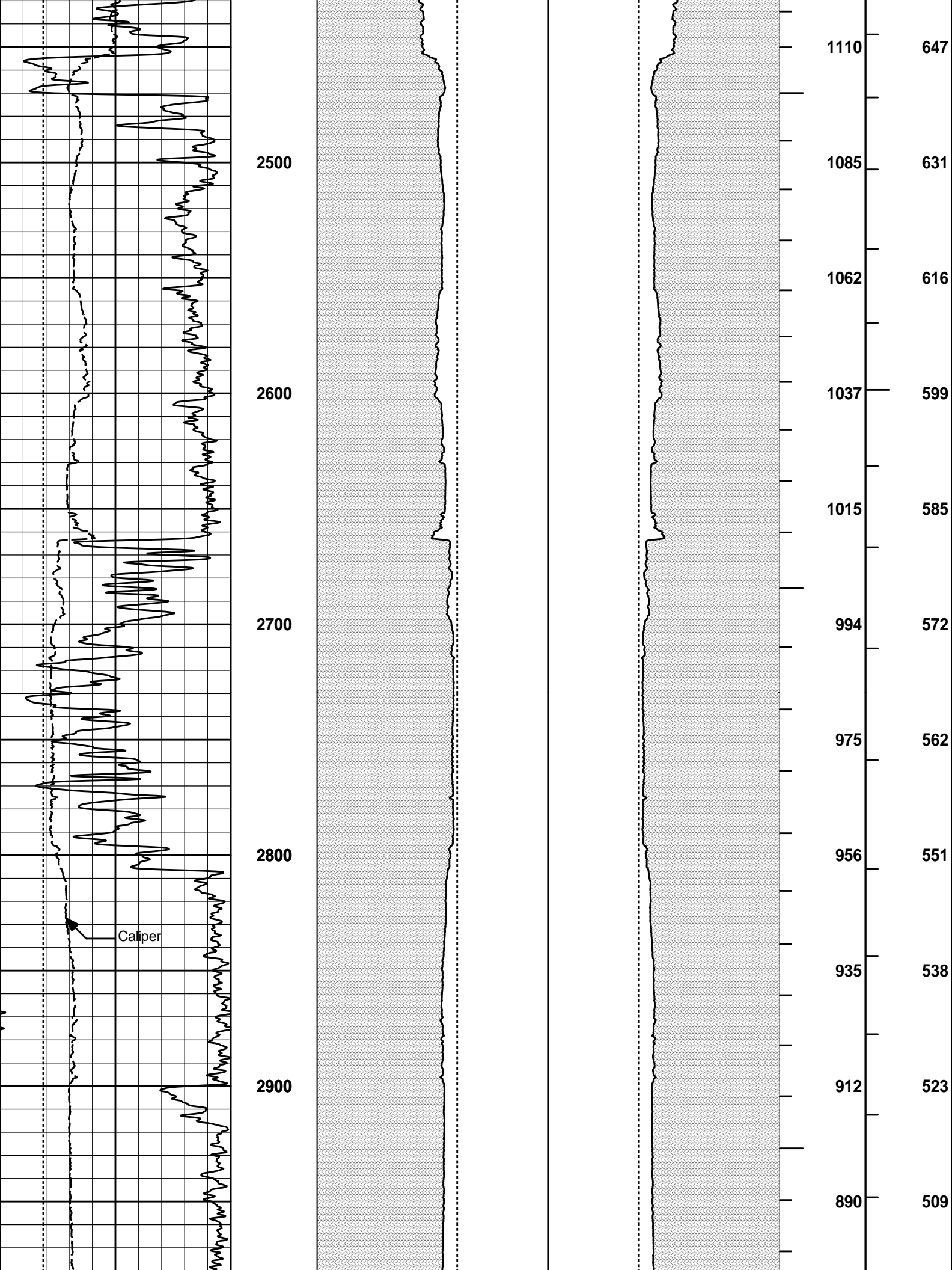
ANNULAR HOLE VOLUME PLOT

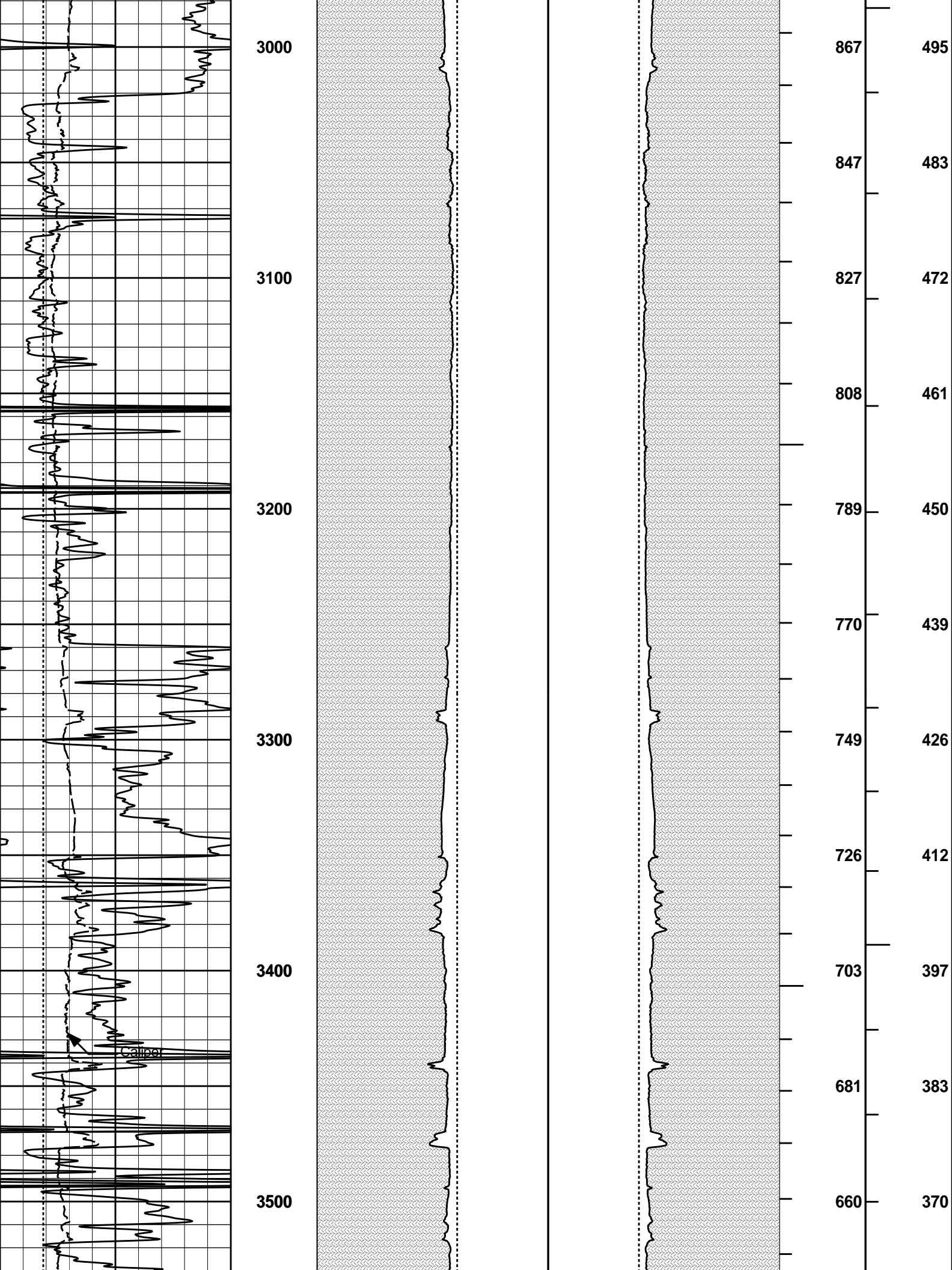


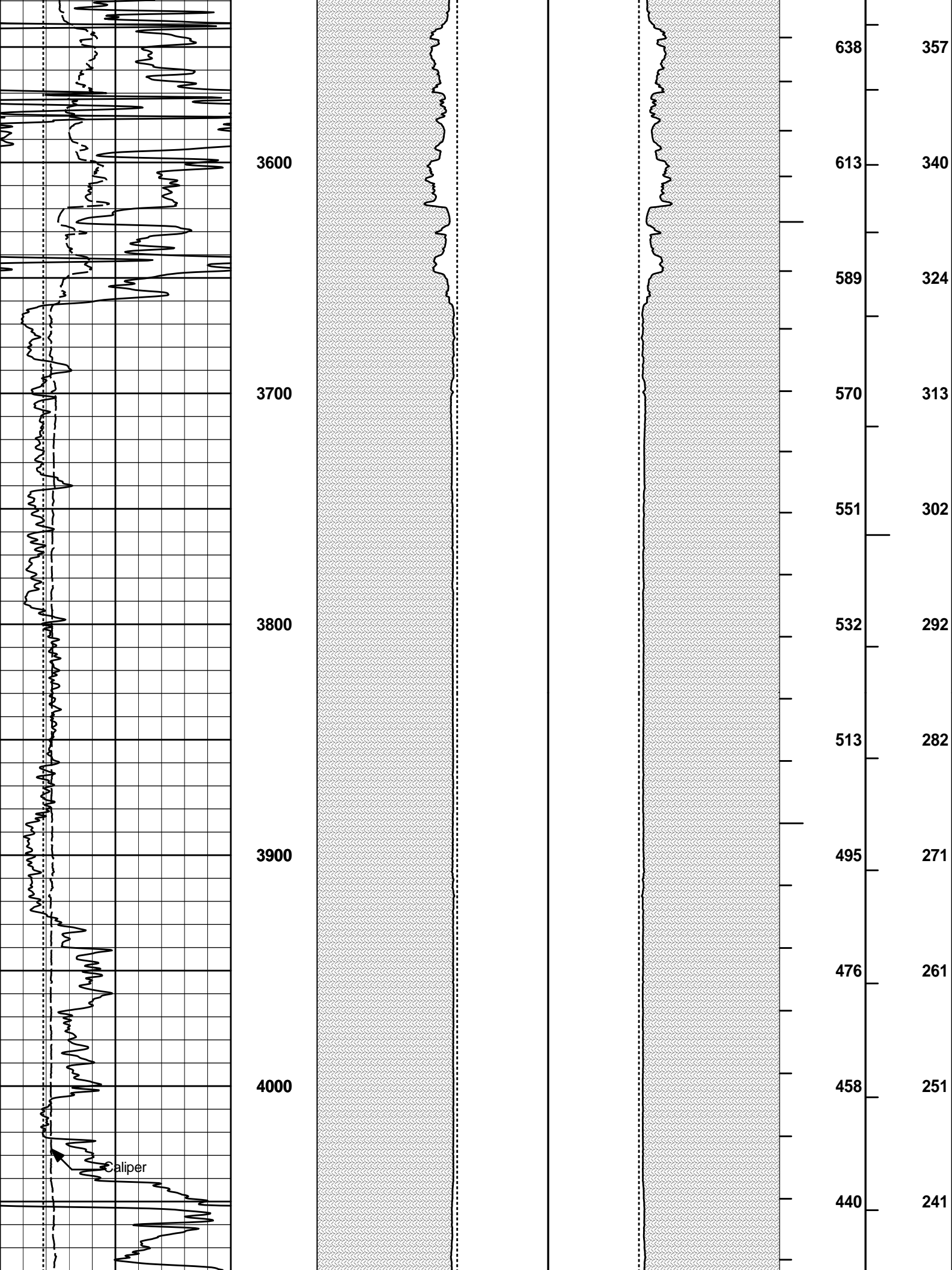


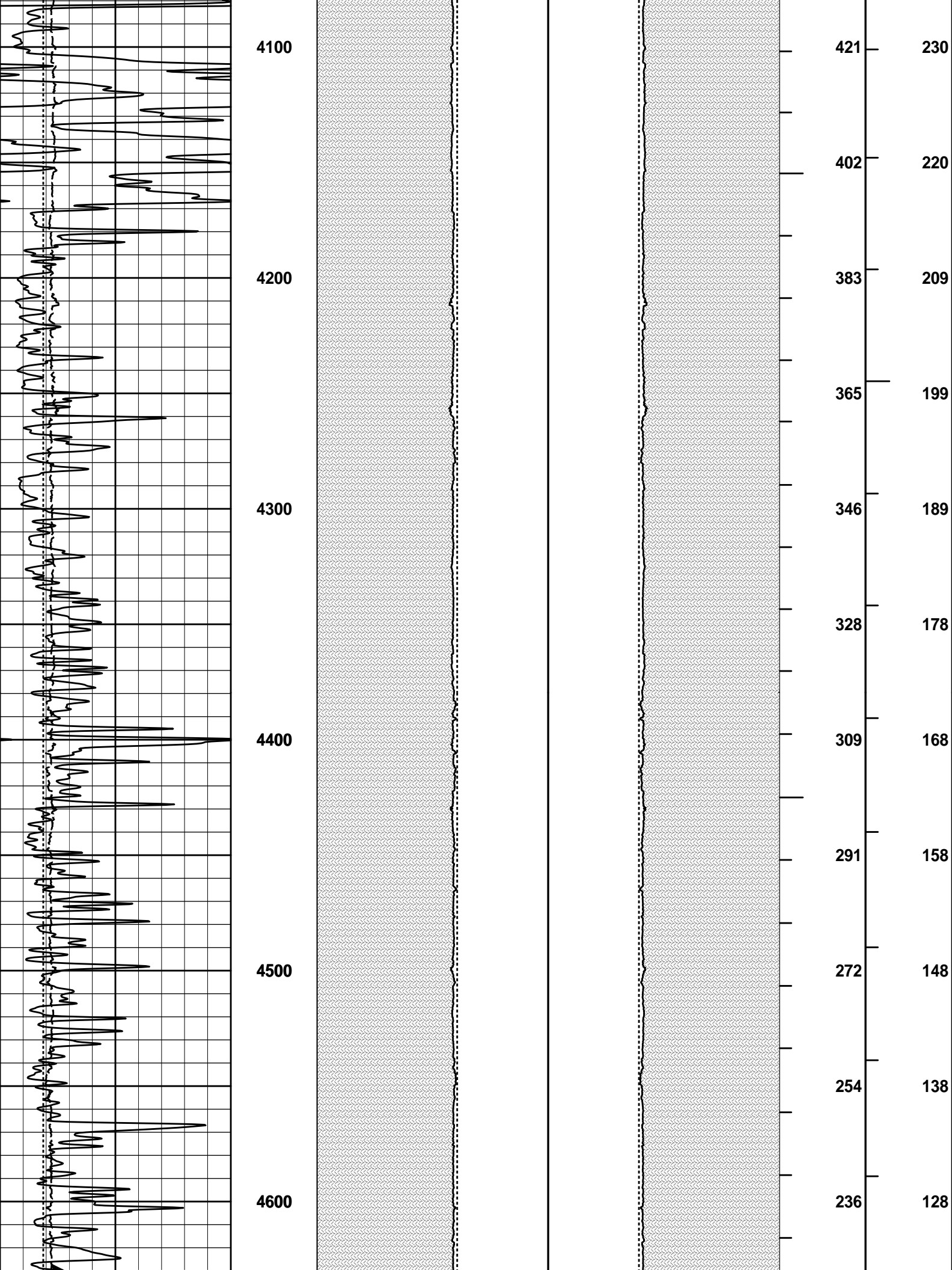


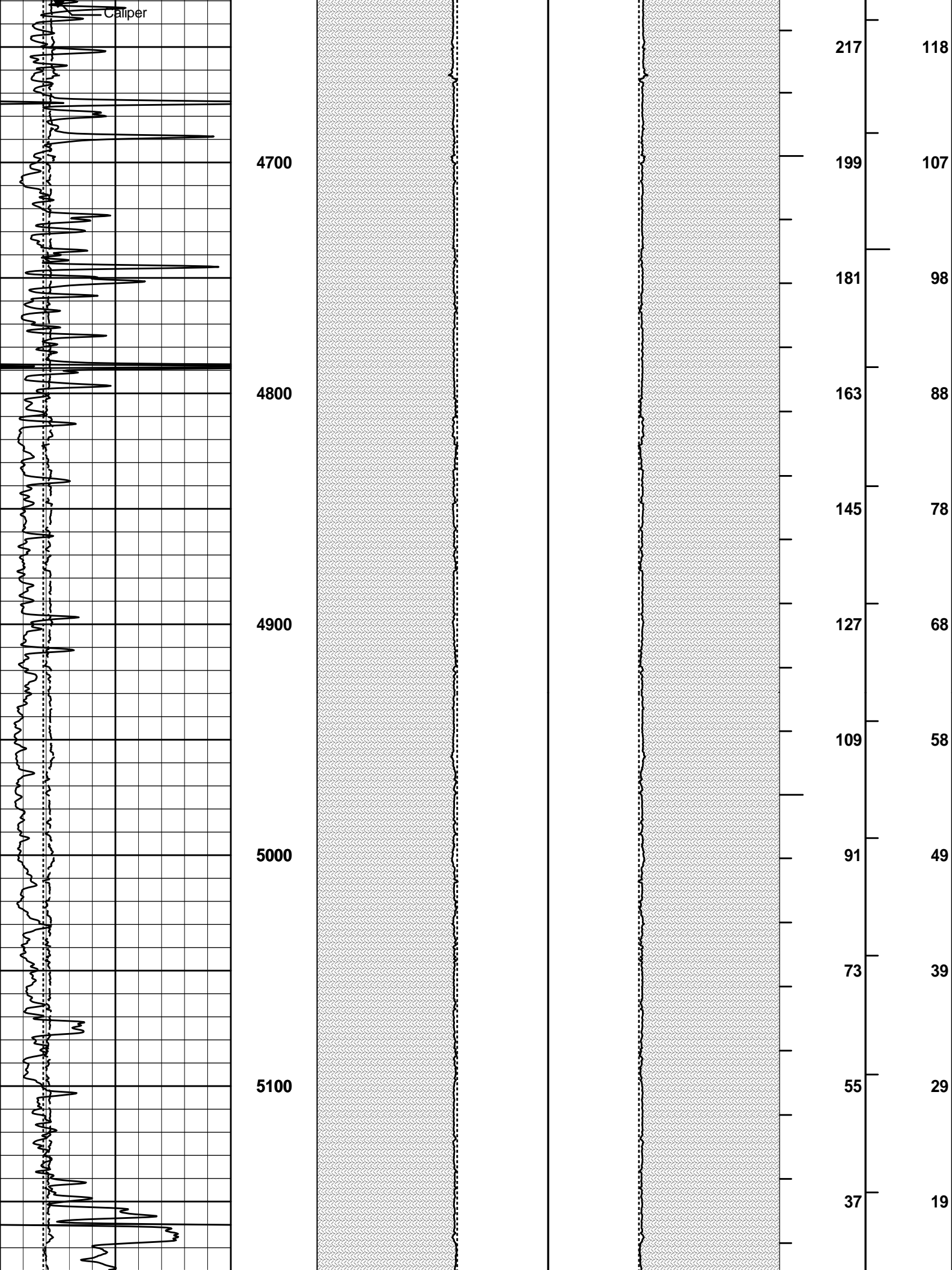


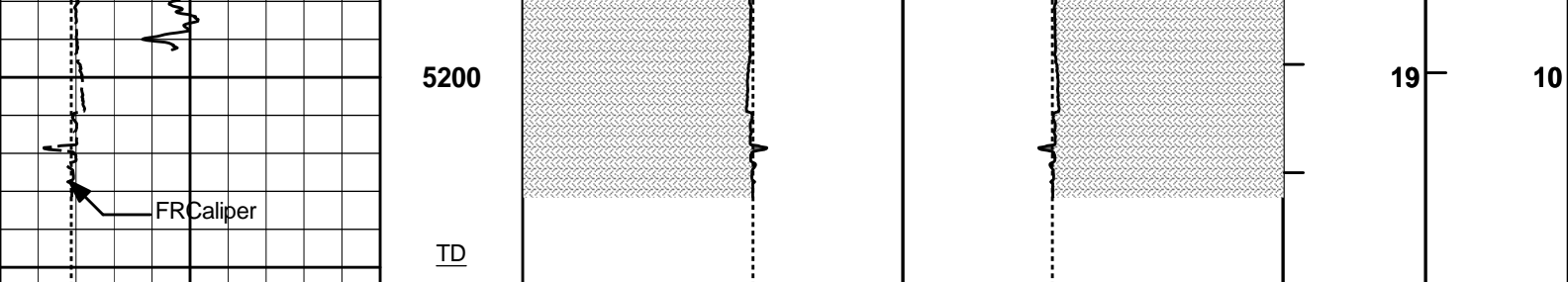












6	Caliper	16	1 : 600 ft	20	Caliper	0 0	20	BHVT	AHVT
	inches					inches			
6	Bit Size	16			20	Bit Size	0 0	20	
	inches								
0	Gamma API	150							
	api								
					MUDCAKE		MUDCAKE		

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Plot Time: 04-Mar-11 08:05:21
 Plot Range: 625 ft to 5254.33 ft
 Data: WELLINGTON_1_28\Well Based\DAQ-0001-003\
 Plot File: \\-LOCAL-WELINGTN_KGS_R2\Well Based\AHV\AHV_2_IQ_LIB

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WELL	WELLINGTON KGS #1-28		
FIELD	WELLINGTON		
COUNTY	SUMNER	STATE	KANSAS

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 VOLUME PLOT
 5.5 INCH CASING