

HALLIBURTON

ANNULAR HOLE VOLUME LOG 5 1/2" CASING

COMPANY		MERIT ENERGY COMPANY	
WELL	HMU 207W	COMPANY	MERIT ENERGY COMPANY
FIELD/BLOCK	REDWOOD	WELL	HMU 207W
COUNTY	FINNEY	FIELD/BLOCK	REDWOOD
STATE	KANSAS	COUNTY	FINNEY
Permanent Datum	GL	API No.	15-055-22474-00-00
Log measured from	KB	Location	(SHL) SW SW SW NW 2361' FNL & 154' FWL
Drilling measured from	KB	Sect.	30
		Twp.	23S
		Rge.	34W
Date	19-Dec-17	Elev.	2984.0 ft
Run No.	1	Elev. K.B.	2996.0 ft
Depth - Driller	5000.0 ft	D.F.	2994.0 ft
Depth - Logger	5011.0 ft	G.L.	2984.0 ft
Bottom - Logged Interval	5001		
Bottom - Logged Interval	1821		
Casing - Driller	8.625 in		
Casing - Logger	1831.0 ft		
Bit Size	7.875 in		
Type Fluid in Hole	Water Based Mud		
Density	9.10 g/cc		
PH	11.50 pH		
Source of Sample	FLOWLINE		
Rm @ Meas. Temperature	0.93 ohmm		
Rmf @ Meas. Temperature	0.74 ohmm		
Rmc @ Meas. Temperature	1.14 ohmm		
Source Rmf	MEAS		
Rm @ BHT	0.60 ohmm		
Time Since Circulation	09:00 hr		
Time on Bottom	19-Dec-17 11:14		
Max. Rec. Temperature	125.00 degF		
Equipment	12156883		
Recorded By	WHITLOCK		
Witnessed By	MARTIN LANGE		

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Service Ticket No.: 904514721		API No.: 15-055-22474-00-00		PGM Version: WL INSITE R5.6.3 (Build 4)	
CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE			RESISTIVITY SCALE CHANGES		
Date	Sample No.		Type Log	Depth	Scale Up Hole
Depth-Driller					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
Rmf @ Meas. Temp.	@	@			Tool Pos.
Rmc @ Meas. Temp.	@	@			Other
Source Rmf	Rmc				
Rm @ BHT	@	@			
Rmf @ BHT	@	@			
Rmc @ BHT	@	@			
EQUIPMENT DATA					
GAMMA		ACOUSTIC		DENSITY	
Run No.		Run No.		Run No.	NEUTRON
Serial No.		Serial No.		Serial No.	
Model No.		Model No.		Model No.	
Diameter		No. of Cent.		Diameter	
Detector Model No.		Spacing		Log Type	
Type				Source Type	
Length		LSA [Y/N]		Serial No.	
Distance to Source		FWDA [Y/N]		Strength	
LOGGING DATA					
GENERAL		GAMMA		ACOUSTIC	
Run	Depth	Speed	Scale	Scale	DENSITY
No.	From	To	L	R	L
		ft/min			R
					Matrix
					L
					R
					Matrix
					L
					R
					Matrix

DIRECTIONAL INFORMATION

Maximum Deviation @ KOP @

Remarks: 5 1/2" CASING USED FOR ANNULAR HOLE VOLUME

HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF.

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Plot Time: 19-Dec-17 15:46:45

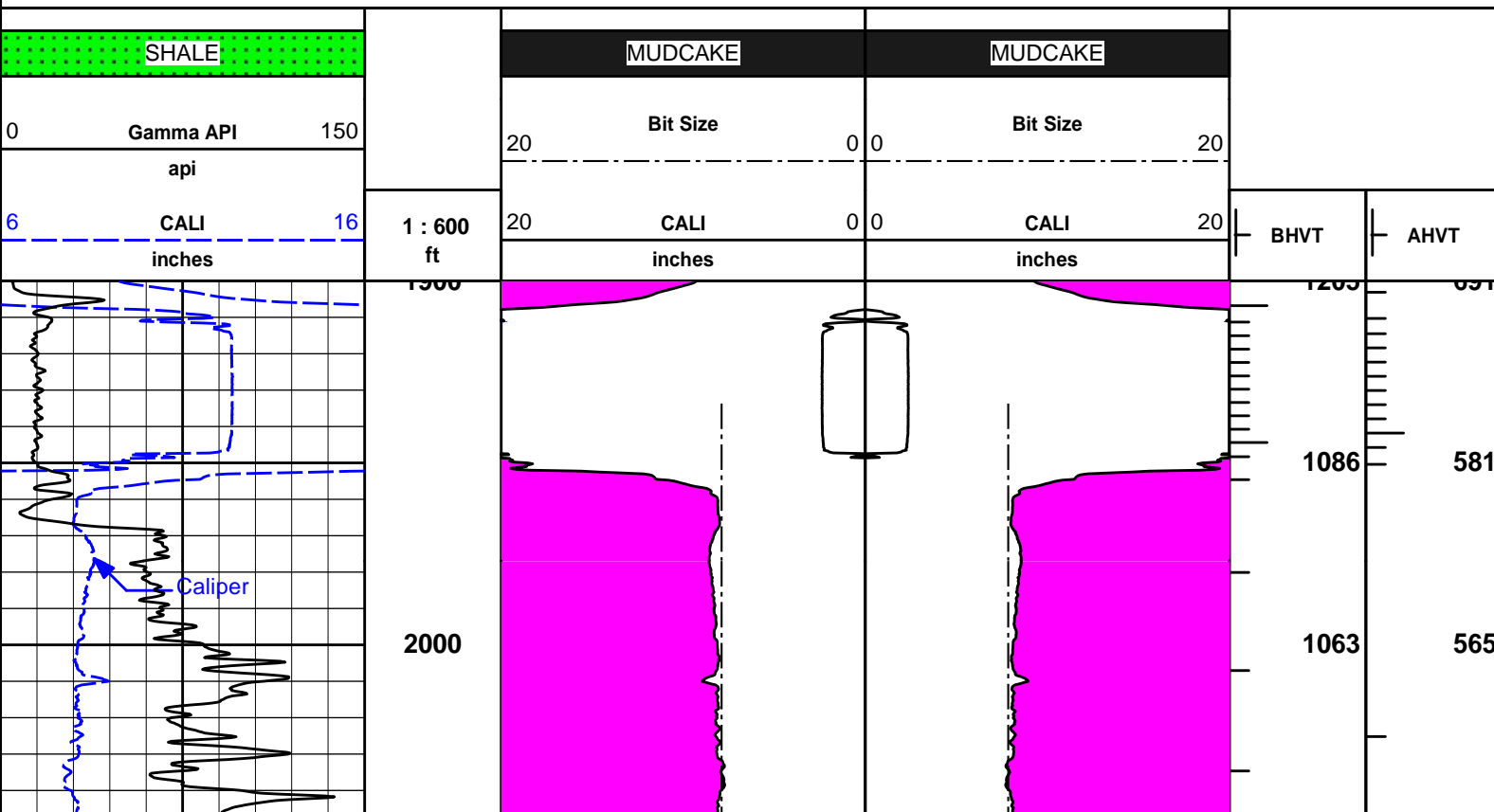
Plot Range: 1900 ft to 5014.75 ft

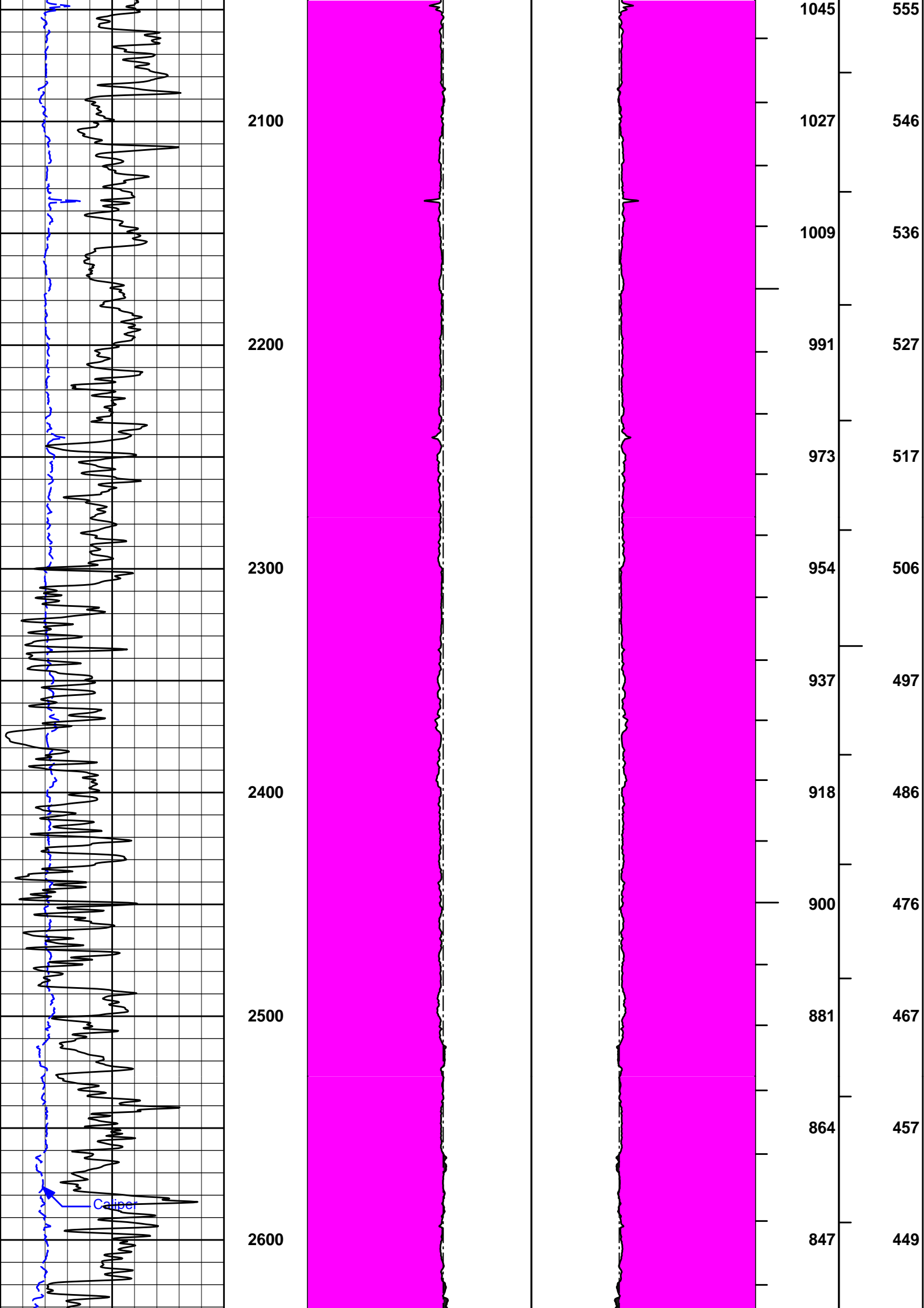
Data: MERIT_HUM_207W\Well Based\DAQ-0001-004\

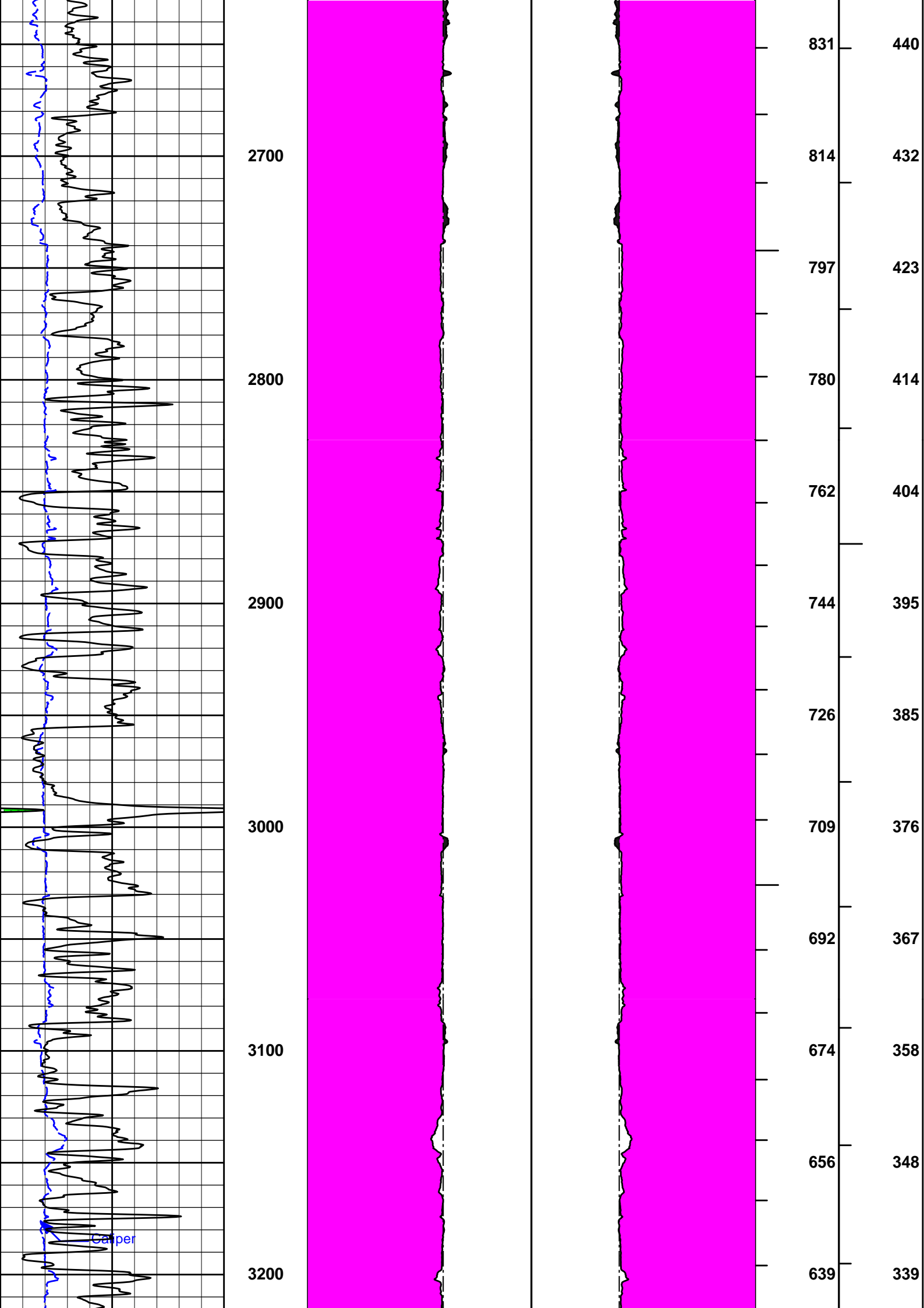
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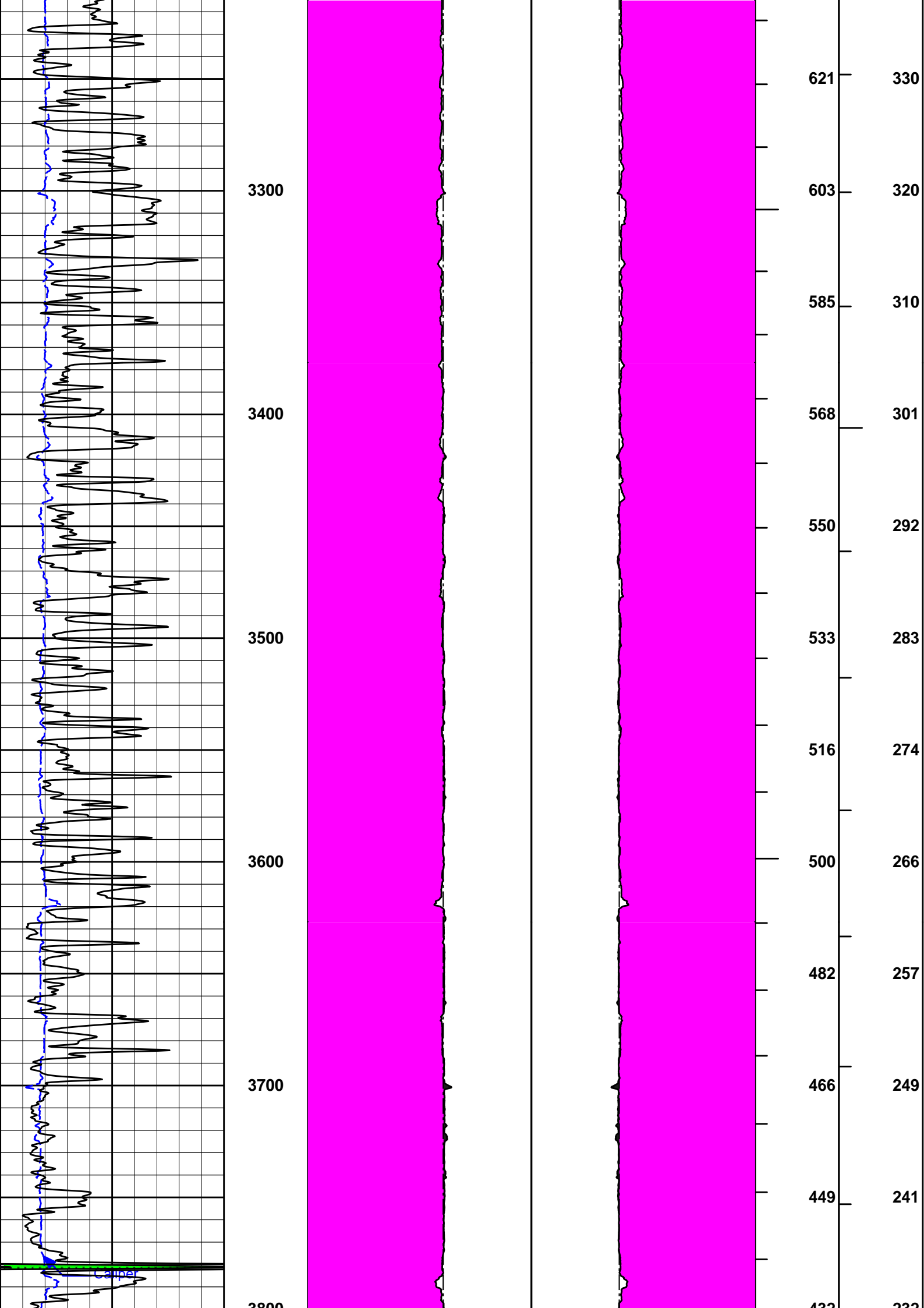
ANNULAR HOLE VOLUME PLOT

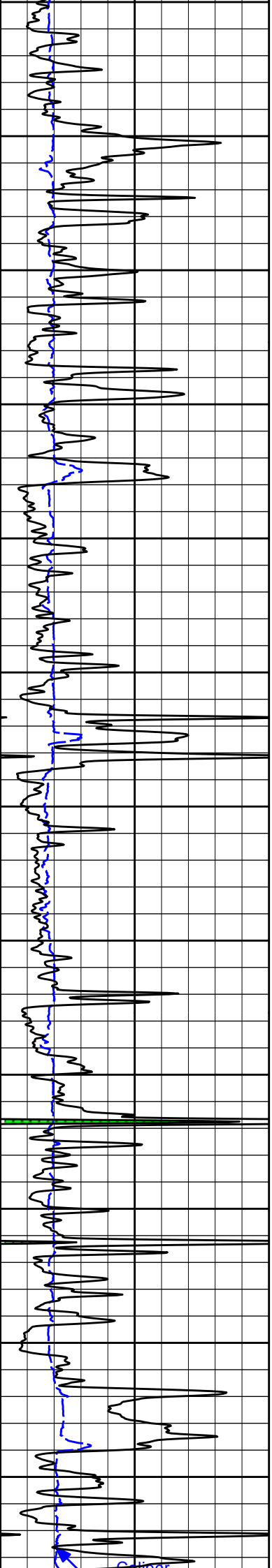
AHV PLOT CALCULATED FOR 5 1/2" CASING



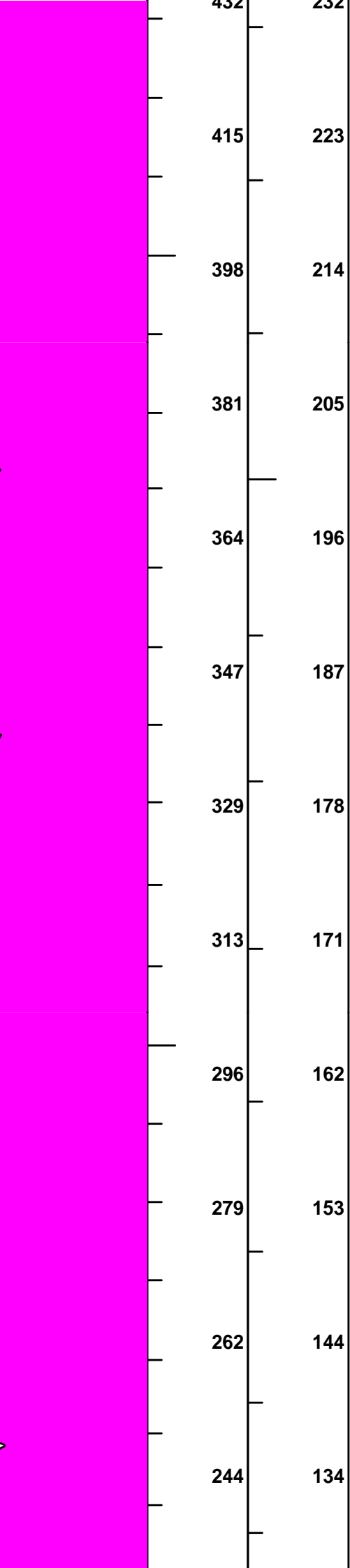
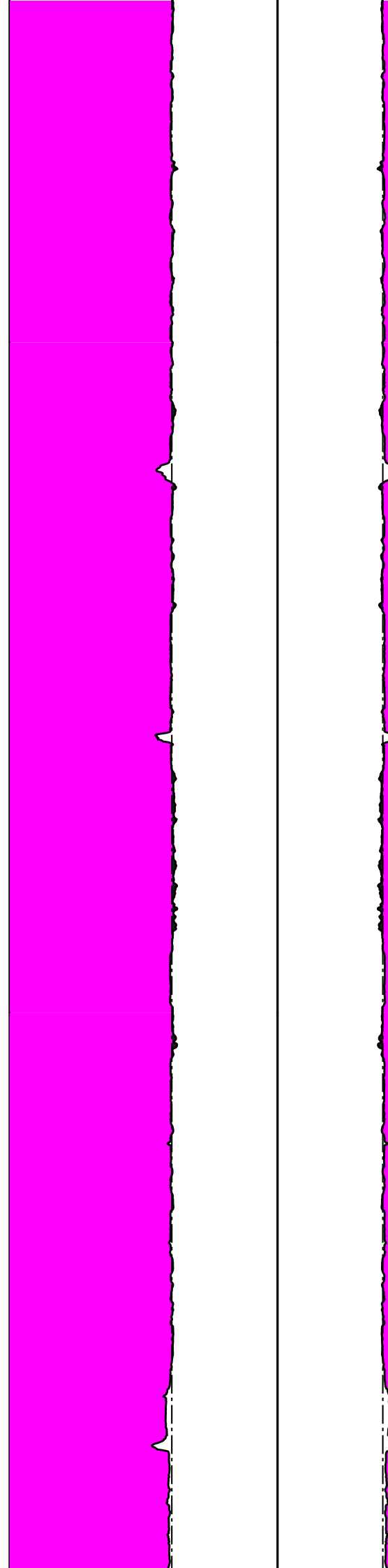






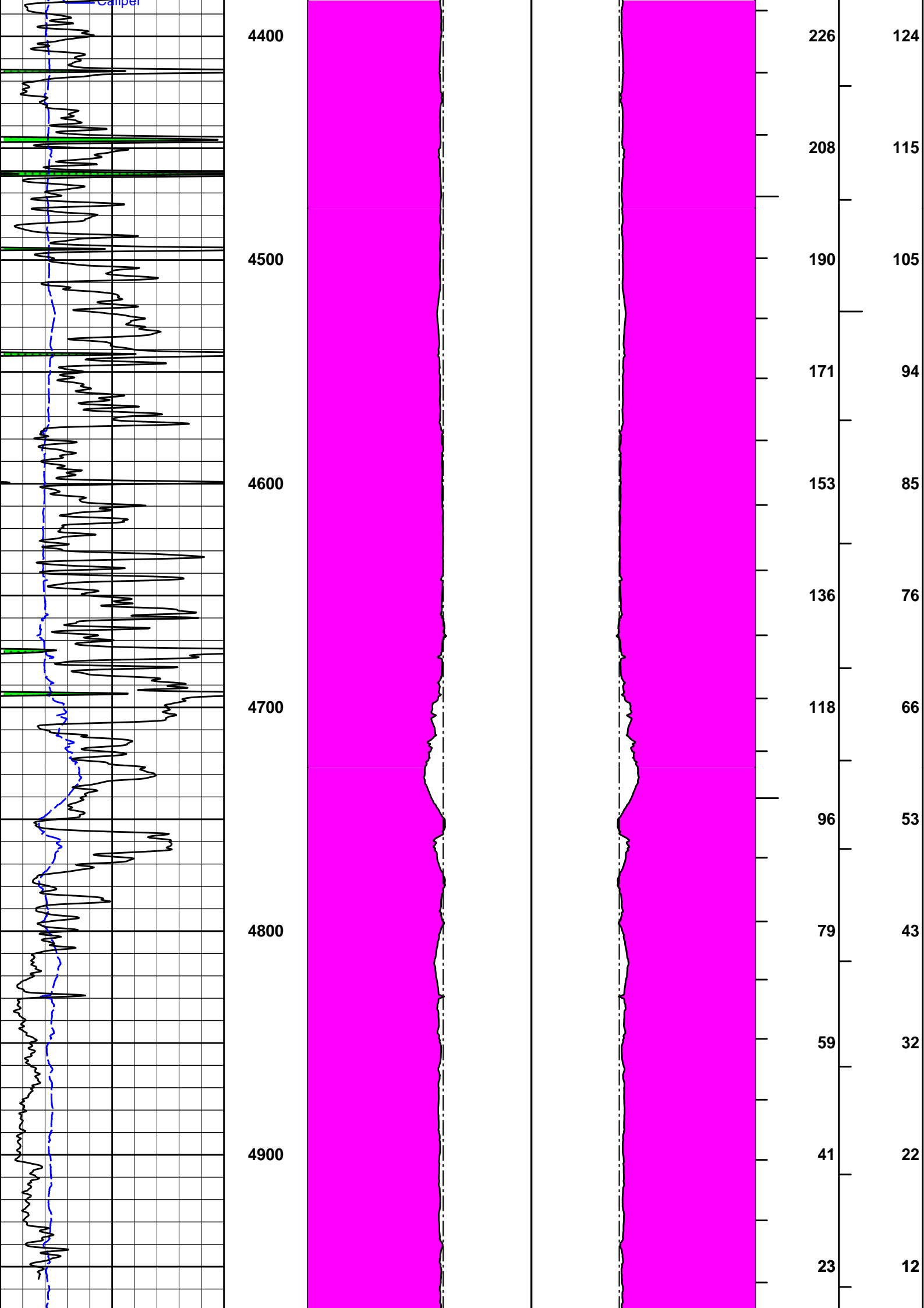


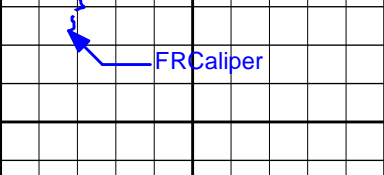
3800
3900
4000
4100
4200
4300



432
415
398
381
364
347
329
313
296
279
262
244

232
223
214
205
196
187
178
171
162
153
144
134





5000

6	CALI	16
	inches	
0	Gamma API	150
	api	
SHALE		

1 : 600
ft

20	CALI	0	0
	inches		
20	Bit Size	0	0
MUDCAKE			

	CALI	20
	inches	
	Bit Size	20
MUDCAKE		

BHVT	AHVT
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Plot Time: 19-Dec-17 15:46:47
 Plot Range: 1900 ft to 5014.75 ft
 Data: MERIT_HUM_207WWell Based\DAQ-0001-004\
 Plot File: \\-LOCAL-MERIT_HUM_207W\0001 GTET-DSNT-SDLT-BSAT-ACRT\AHV\AHV Plot_INSITE_IQ

ANNULAR HOLE VOLUME PLOT

AHV PLOT CALCULATED FOR 5 1/2" CASING