

HALLIBURTON

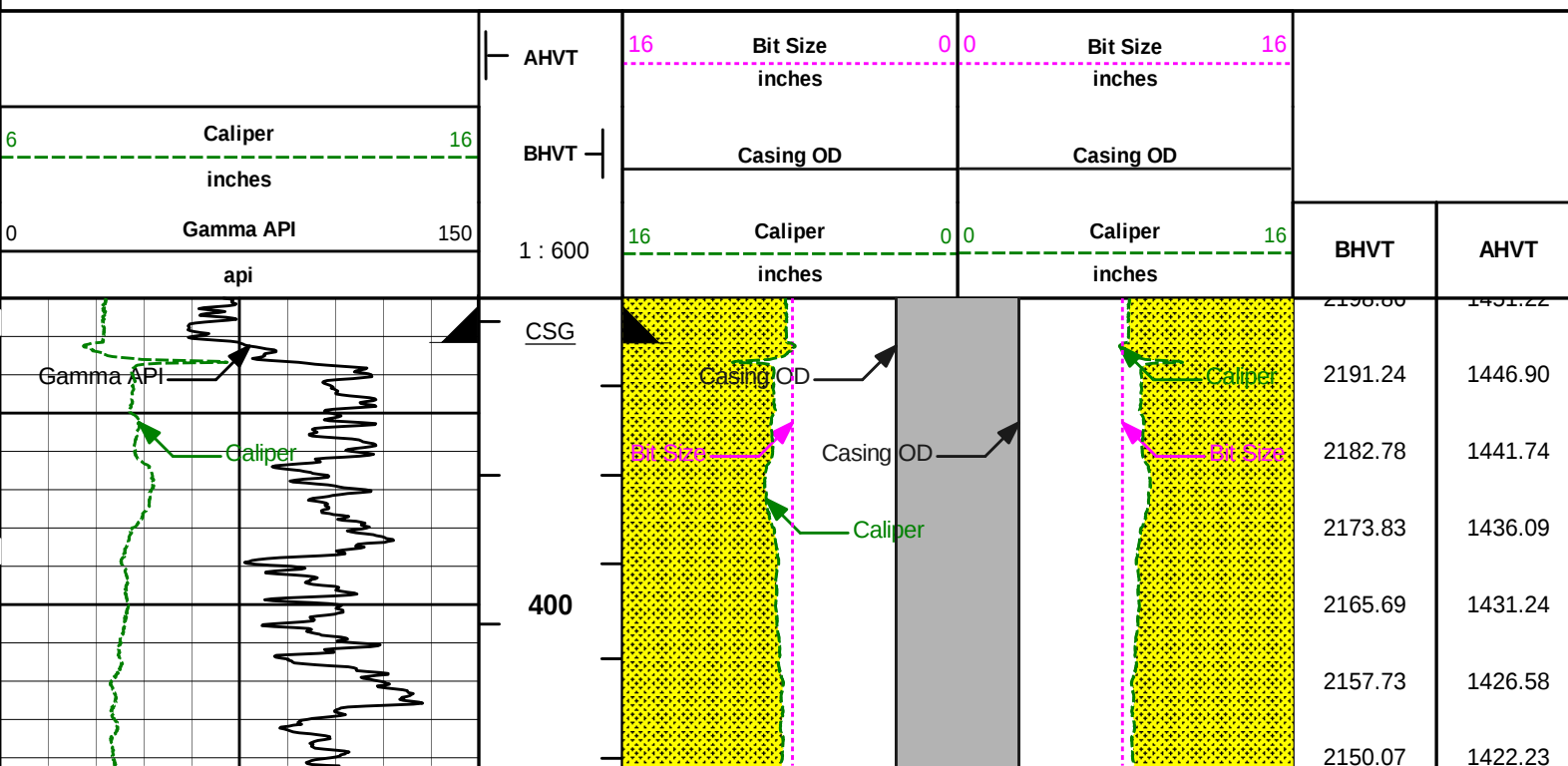
BOREHOLE VOLUME
PLOT

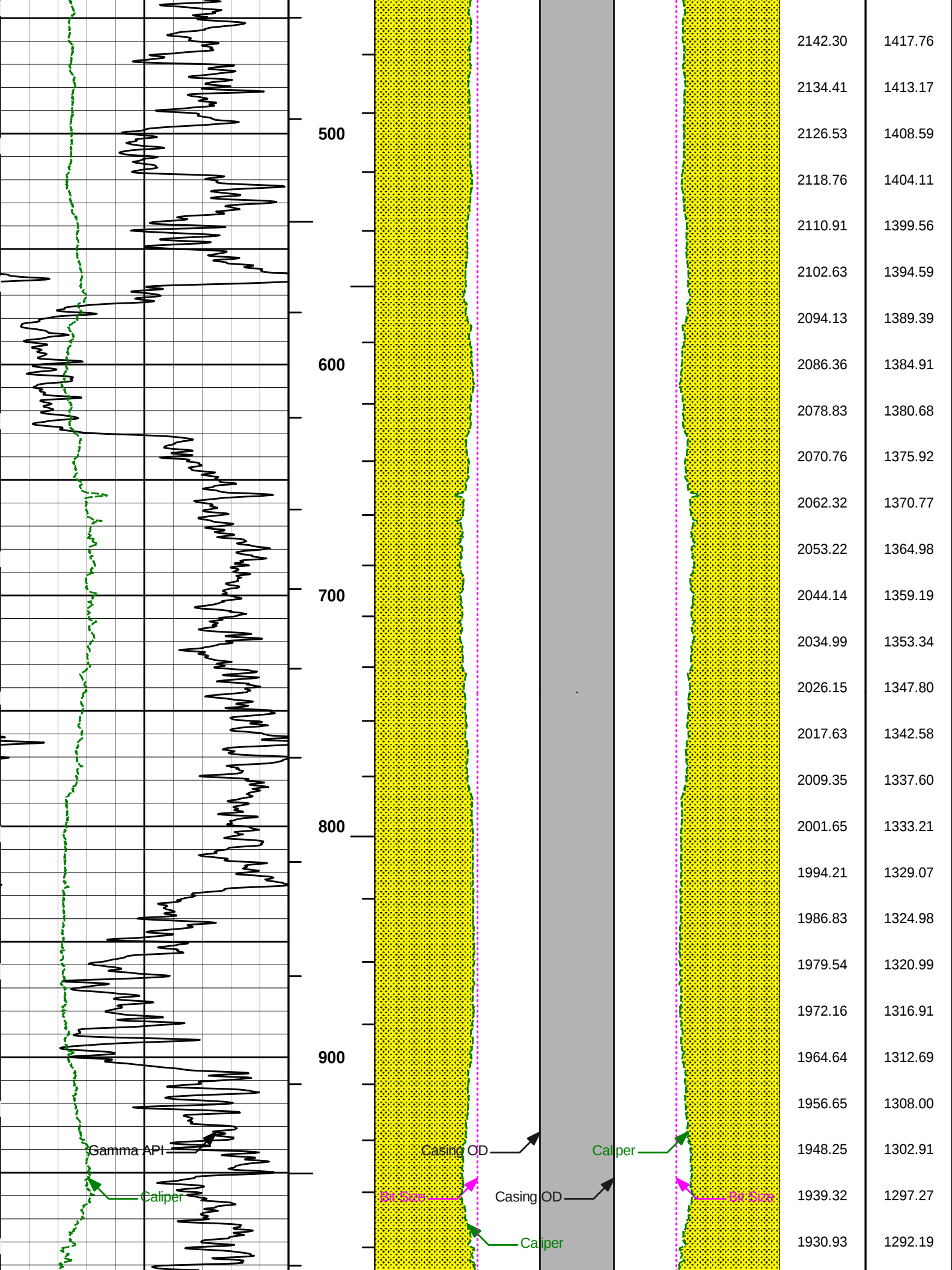
HALLIBURTON										BOREHOLE VOLUME PLOT				
HARTMAN OIL CO., INC.					COMPANY HARTMAN OIL CO., INC.									
ROSE # 1-1					WELL ROSE # 1-1									
WILDCAT					FIELD WILDCAT									
WICHITA					COUNTY WICHITA					STATE KANSAS				
KANSAS					API No. 15203201840000					Other Services: RWCH BSAT DSNT/SDLT MEL ACRT				
Location SURFACE HOLE LOCATION: 1330' FNL & 2280' FWL					Sect. 1 Twp. 16S Rge. 35W					Elev.: K.B. 3154.0 ft D.F. 3153.0 ft G.L. 3143.0 ft				
Permanent Datum GL														
Log measured from KB														
Drilling measured from KB					11.0 ft above perm. Datum									
Date 06-Oct-12														
Run No. ONE														
Depth - Driller 4850.00 ft														
Depth - Logger 4847.0 ft														
Bottom - Logged Interval 4803.0 ft														
Top - Logged Interval 2450.0 ft														
Casing - Driller 8.625 in @ 330.0 ft														
Casing - Logger 332.0 ft														
Bit Size 7.875 in @														
Type Fluid in Hole CHEMICAL														
Density 9.1 ppg 54.00 s/qt														
PH 10.80 pH 8.8 cpm														
Source of Sample MUD TANK														
Rm @ Meas. Temperature 0.570 ohmm @ 71.20 degF @														
Rmf @ Meas. Temperature 0.43 ohmm @ 64.20 degF @														
Rmc @ Meas. Temperature 0.920 ohmm @ 65.50 degF @														
Source Rmf Rmc MEASURED MEASURED														
Rm @ BHT 0.33 ohmm @ 129.0 degF @														
Time Since Circulation 8.6 hr														
Time on Bottom 06-Oct-12 21:53														
Max. Rec. Temperature 129.0 degF @ N/A @														
Equipment 11170614 ROCK SPRING														
Recorded By V. CREWS														
Witnessed By K. NOAH														

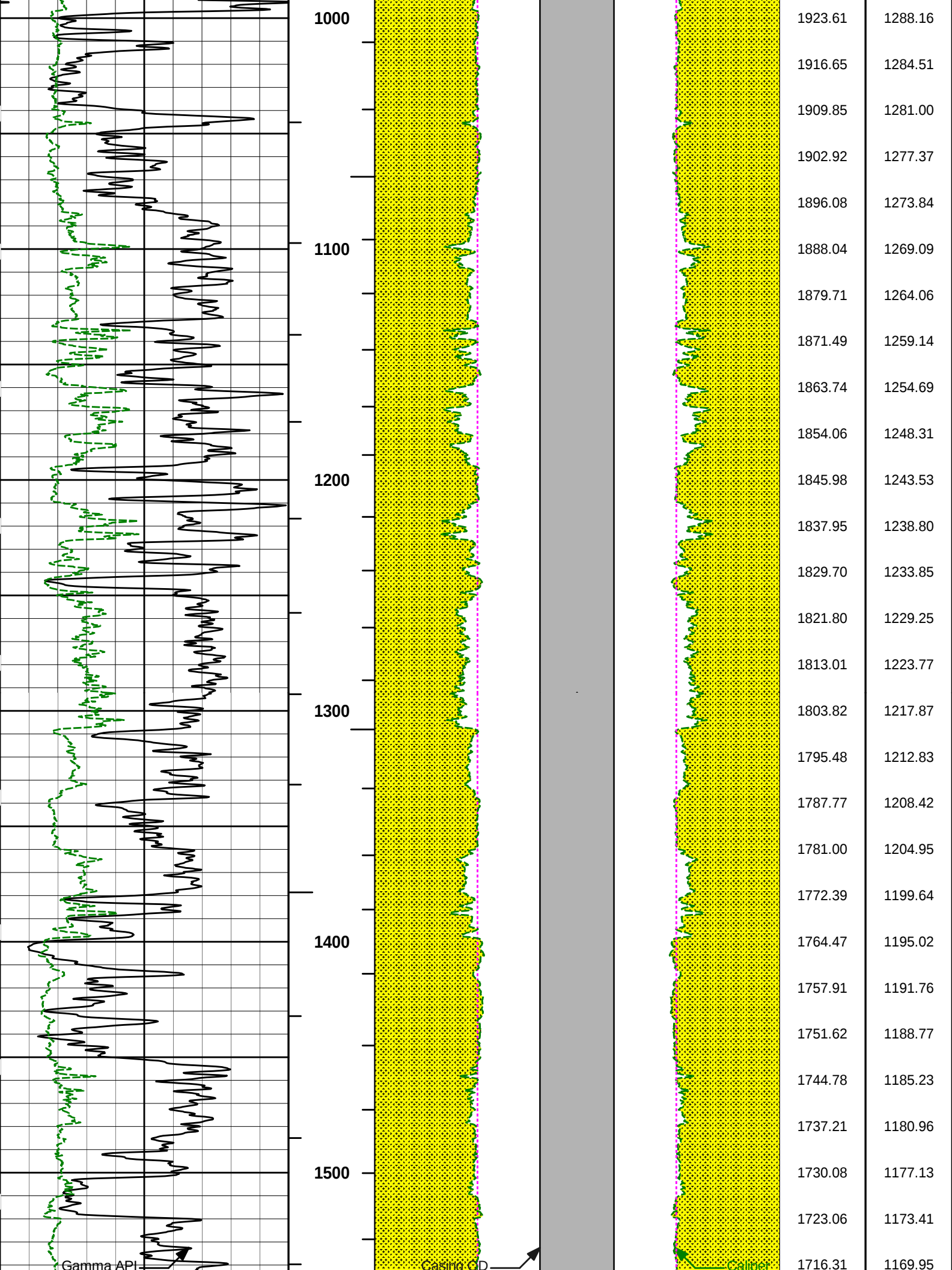
GENERAL			GAMMA		ACOUSTIC		DENSITY		NEUTRON					
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	4847'	2540'	REC	0	150	40%	0%	LIME	30%	-10%	2.71 g/cc	30%	-10%	LIME
ONE	2540'	332'	REC	0	150									
DIRECTIONAL INFORMATION														
Maximum Deviation @								KOP @						
Remarks: RWCH-GTET-DSNT-SDLT-FLEX-BSAT-ACRT RAN IN COMBINATION														
BOREHOLE RUGOSITY, TENSION PULLS AND WASHOUTS MAY EFFECT LOG QUALITY														
ANNULAR HOLE VOLUME CALCULATED FOR 5.5-INCH CASING														
BOWSPRING AND STANDOFF RUN														
TODAY'S CREW: G. HOOD, C. DAVIS & D. TREFILETTI								RIG: H2 DRILLING						
*** THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES, ROCK SPRINGS, WY (307) 352-8600 ***														
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.														
HALLIBURTON														

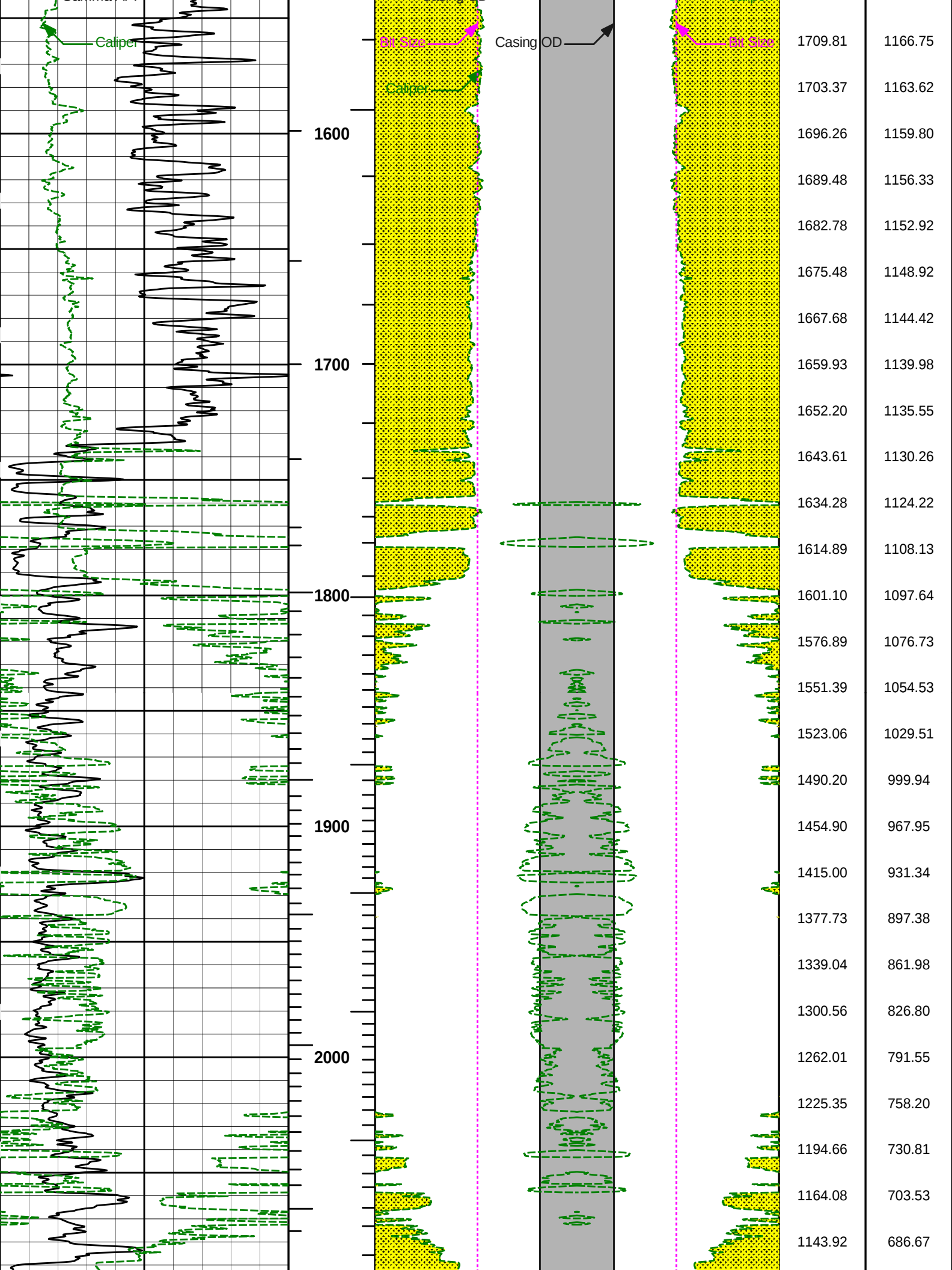
HALLIBURTON	Plot Time: 07-Oct-12 00:17:06
	Plot Range: 320 ft to 4851.5 ft
	Data: HARTMN_ROSE_1_1\Well Based\MAIN*
	Plot File: \\BHVIQ\BHV\SDL\RM

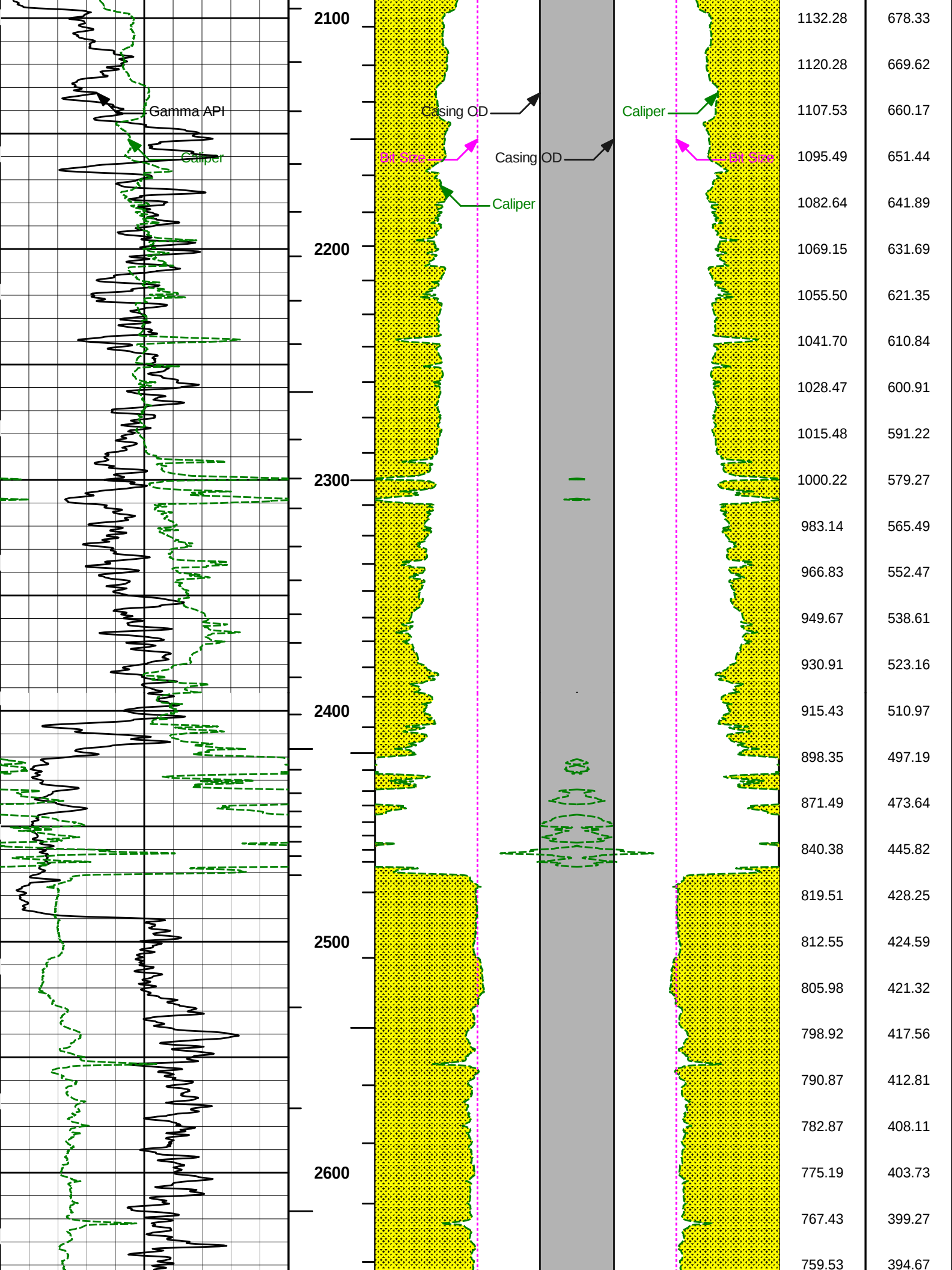
AHV USES 4.5" CASING

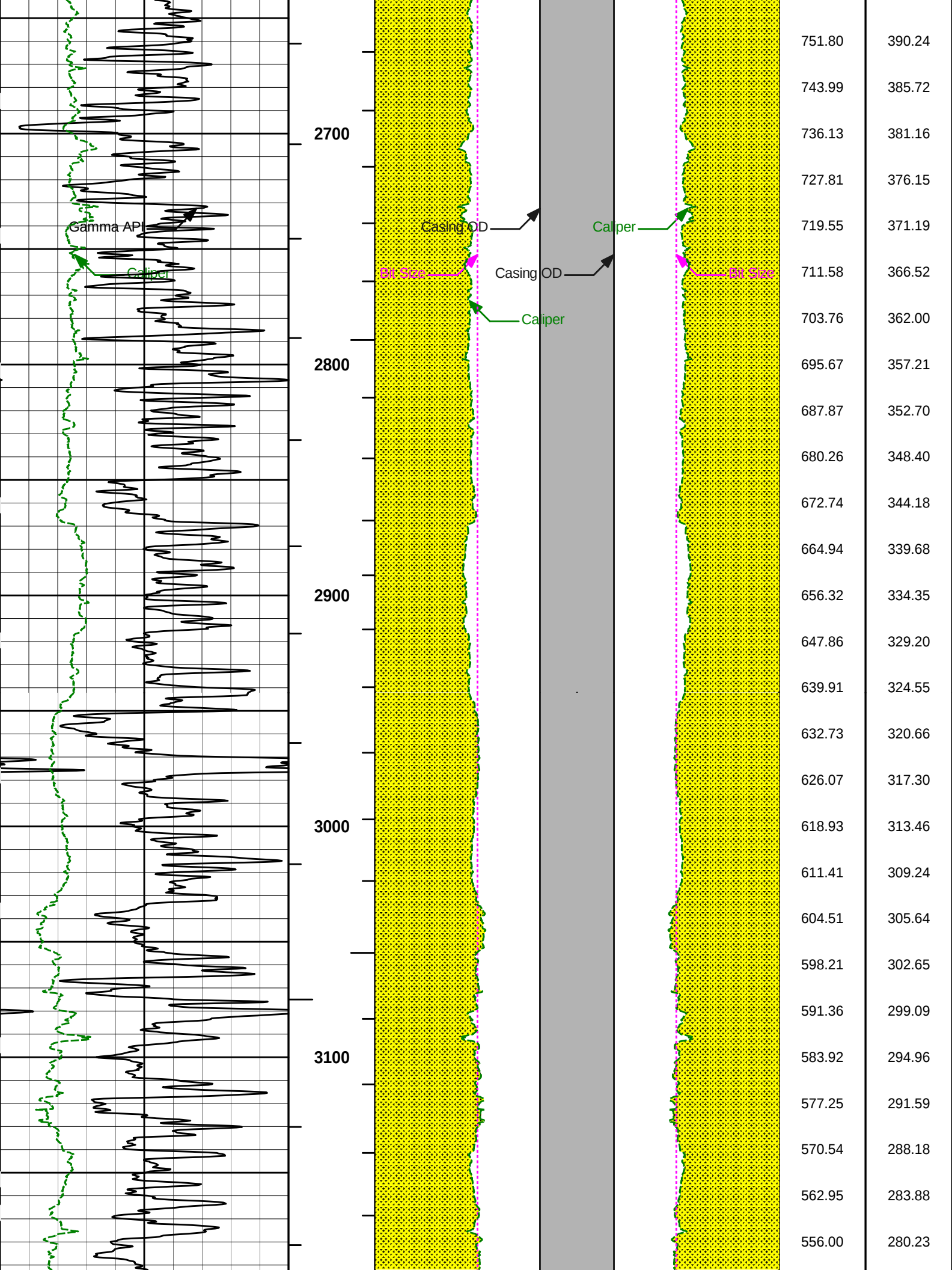


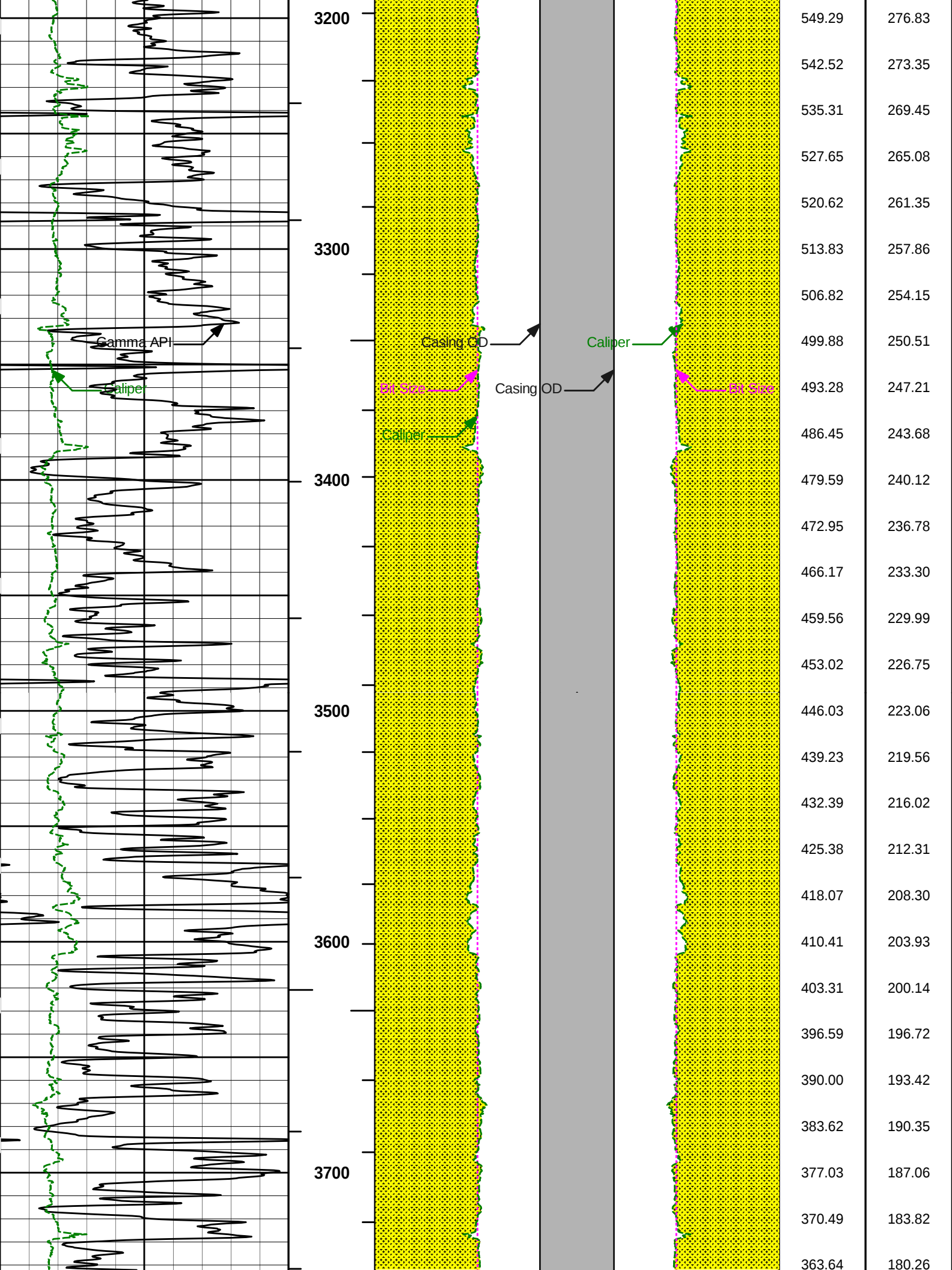


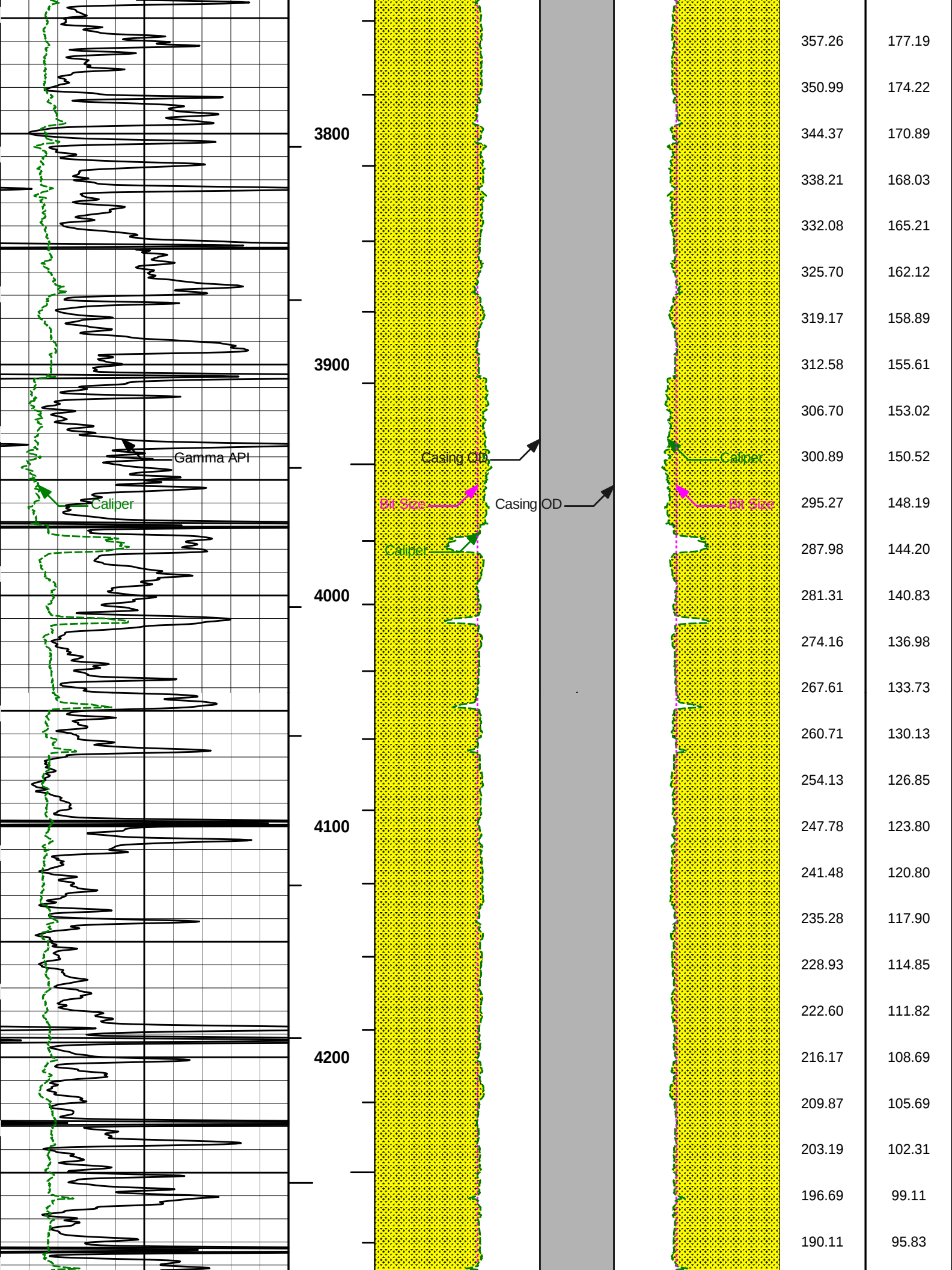


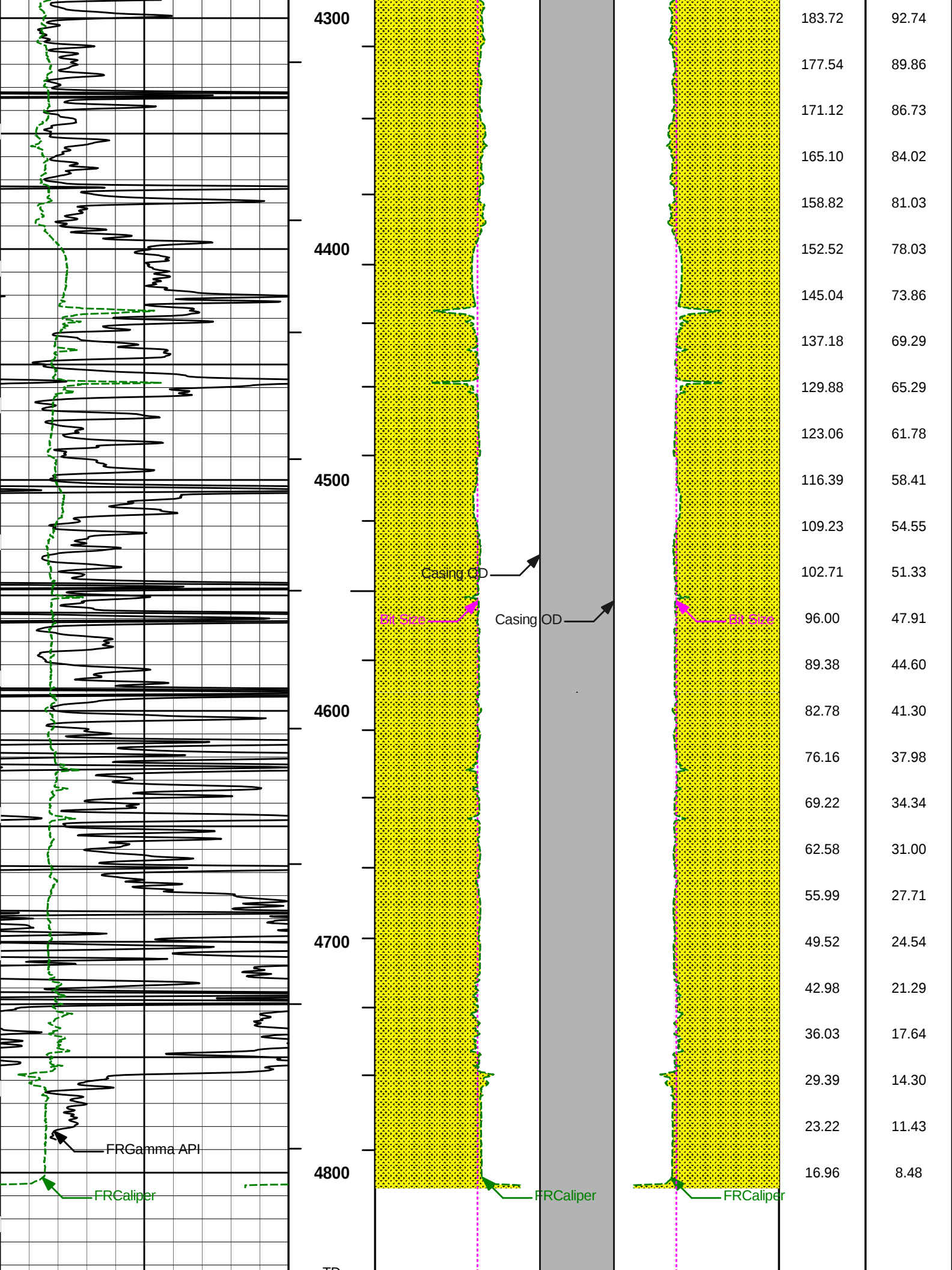












ID				ID				ID			
Gamma API 150				Caliper 0 0				Caliper 16			
api				inches				inches			
Caliper 6 16				Casing OD				Casing OD			
inches				Bit Size 0 0				Bit Size 16			
inches				inches				inches			

HALLIBURTON	Plot Time: 07-Oct-12 00:17:10
	Plot Range: 320 ft to 4851.5 ft
	Data: HARTMN_ROSE_1_1Well Based\MAIN*
	Plot File: \\BHVIQ\BHV_SDL_RM

AHV USES 4.5" CASING

COMPANY	HARTMAN OIL CO., INC.		
WELL	ROSE # 1-1		
FIELD	WILDCAT		
COUNTY	WICHITA	STATE	KANSAS
HALLIBURTON		BOREHOLE VOLUME PLOT	