

Schlumberger

Company: ESSO Australia Pty. Ltd.

Well: HLA A7A

Field: Halibut

Rig: ISDL 453

State: Victoria

Gamma Ray Service

1:200 True Vertical Depth

Real Time Log

Rig:	ISDL 453
Field:	Halibut
Location:	Bass Strait
Well:	HLA A7A
Company:	ESSO Australia Pty. Ltd.
Total depth:	3038.0 m
Spud date:	19-May-07
Runs:	1 To 1
Elevation	K.B. G.L. D.F.
Permanent datum:	Mean Sea Level
Log measured from:	Drill Floor
Depth reference:	Driller's Depth
Service Order no.	X = E 615274.268 Y = N 5748513.891
	Longitude E 148°19'12.758" S 38°24'15.043"
Depth logged:	2700 m To 3038 m
Mag decl:	13.23 deg.
Date logged:	28-May-07 To 29-May-07
Mag dip:	-68.86 deg.
	See Remarks

Bore hole record

Casing record

Hole size	from	to	Size	Density	from	to
8.5 in.	552.0 m	3038.0 m	10 7/8 in.	40.5 lb/ft	Surface	552.0 m

Type	Mud record	Borehole deviation record				
	from	to	Min	Max	from	to
KCl/PHPA/Glycol	552.0 m	3038.0 m	17.11 deg	42.79 deg.	552.0 m	3038.0 m

Surface equipment

Software record

Run number	1							
Bit size	in.	8.5						
Bit start depth	m	552.0						
Bit end depth	m	2700.0						
Top interval logged	m	552.0						
Bottom interval logged	m	2680.0						
Begin log: time		04:07						
Begin log: date		21-May-07						
End log: time		18:55						
End log: date		26-May-07						
Mud data								
Depth	m	2352.0						
Type		KCl/PHPA/Glycol						
Mud weight	ppg	9.75						
Solids	%	6.3						
Chlorides	mg/L	43,000						
Rm	Ohm-m@°C	n/a						
Rmf	Ohm-m@°C	n/a						
Rmc	Ohm-m@°C	n/a						

Unit	OLU-JA-9602	IDEAL WIS	ID12_0c_01					
Depth system	DES-CA-ASSQ04-C	SPM	HSPRM12_0c_04					

Bit Run Summary

Potassium	%	4.2						
Environmental data								
GR								
Mud weight	ppg	9.75						
Bit size	in.	8.5						
Resistivity								
Neutron porosity								
Hole Size	in	8.5						
Mud weight	ppg	9.75						
Temperature	°C	78						
Mud salinity	ppk	n/a						
Formation salinity		n/a						
Recording rate 1	SEC	n/a						
Recording rate 2	SEC	n/a						
Filtering GR		3pt						
Filtering density		n/a						
Filtering Neutron		n/a						
Company representative	R.Spence	G.Campbell	T.Bassett	C.Cocks	M.How			
Schlumberger D&M Personnel	G.Sparrow	A.Kohli	C.Hibberson					

DISCLAIMER

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OTHER SERVICES FOR RUN	1	OTHER SERVICES FOR RUN	OTHER SERVICES FOR RUN
Directional Drilling Directional Surveys Annulus Pressure & Temperature			
REMARKS: RUN NUMBER 1 Depth is referenced to Driller's Depth. All Data presented is from Real Time Transmission Gamma Ray is corrected for mud weight, tool size and bit size. Gamma Ray is not corrected for potassium. POOH to Change BHA.			REMARKS: RUN NUMBER

EQUIPMENT DESCRIPTION

RUN1	RUN	RUN
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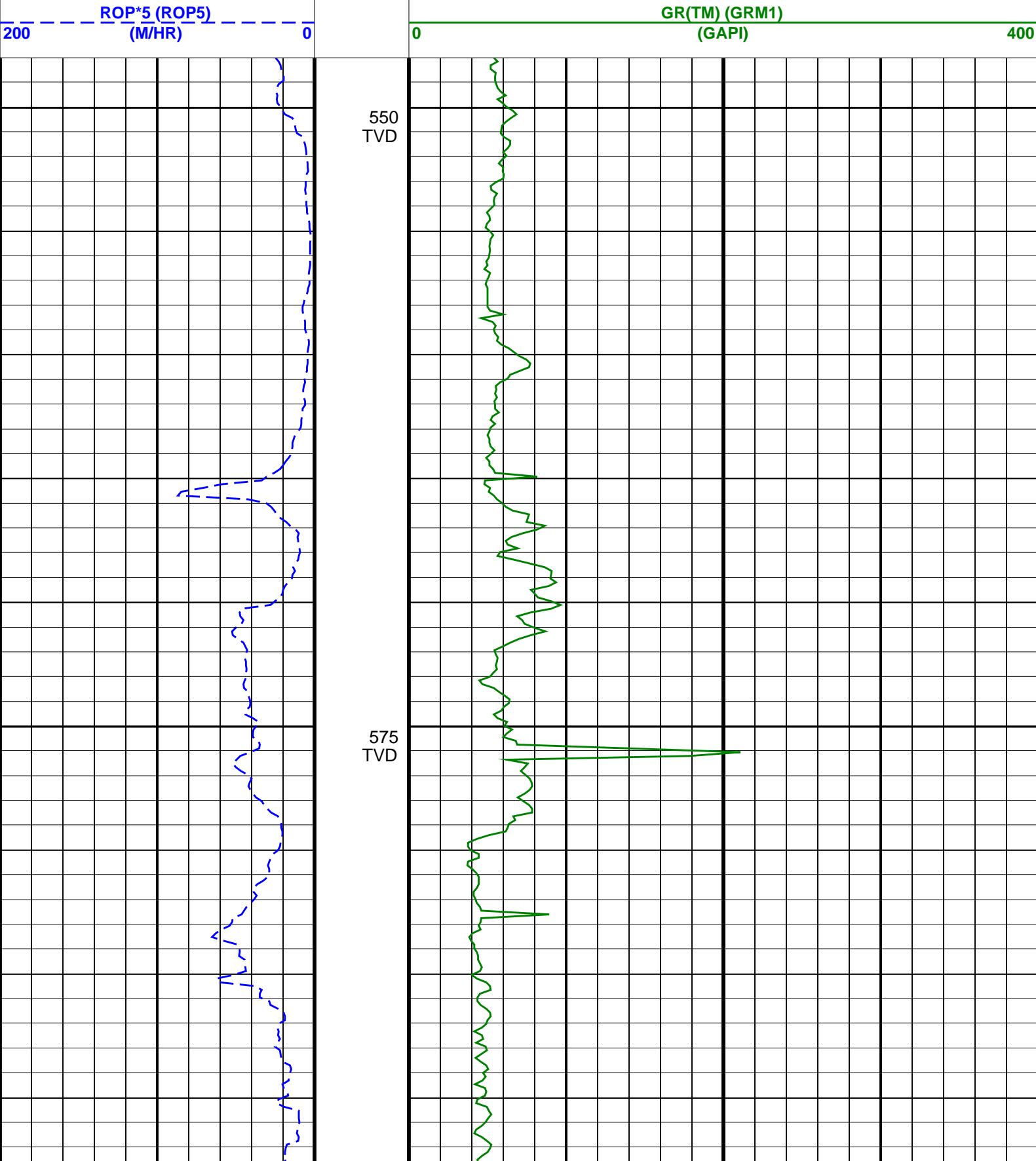
6-3/4 in. PowerPulse*		24.99
DHS: 8.0C03		
MDC: VC64		
MEC: 212		
MDI: 1096		
MGR: 295		
D&I	—	20.14
GR	—	19.49
APWD	—	16.89
6-5/8 in. NM Pony		15.51
S/N: ASQ605506		
6-5/8 in. NM Roller Reamer		13.83
S/N: GU2317R		
6-5/8 in. NM Pony		11.84
S/N: ASS15700		
7 in. PowerPak* Motor		10.28
A700GT 7:8		
S/N: N7311		
1.15 deg. Bent Housing		
8-3/8 in. Motor Sleeve		
8-1/2" Smith PDC Bit	—	0.00
S/N: JW6578A2		0.22

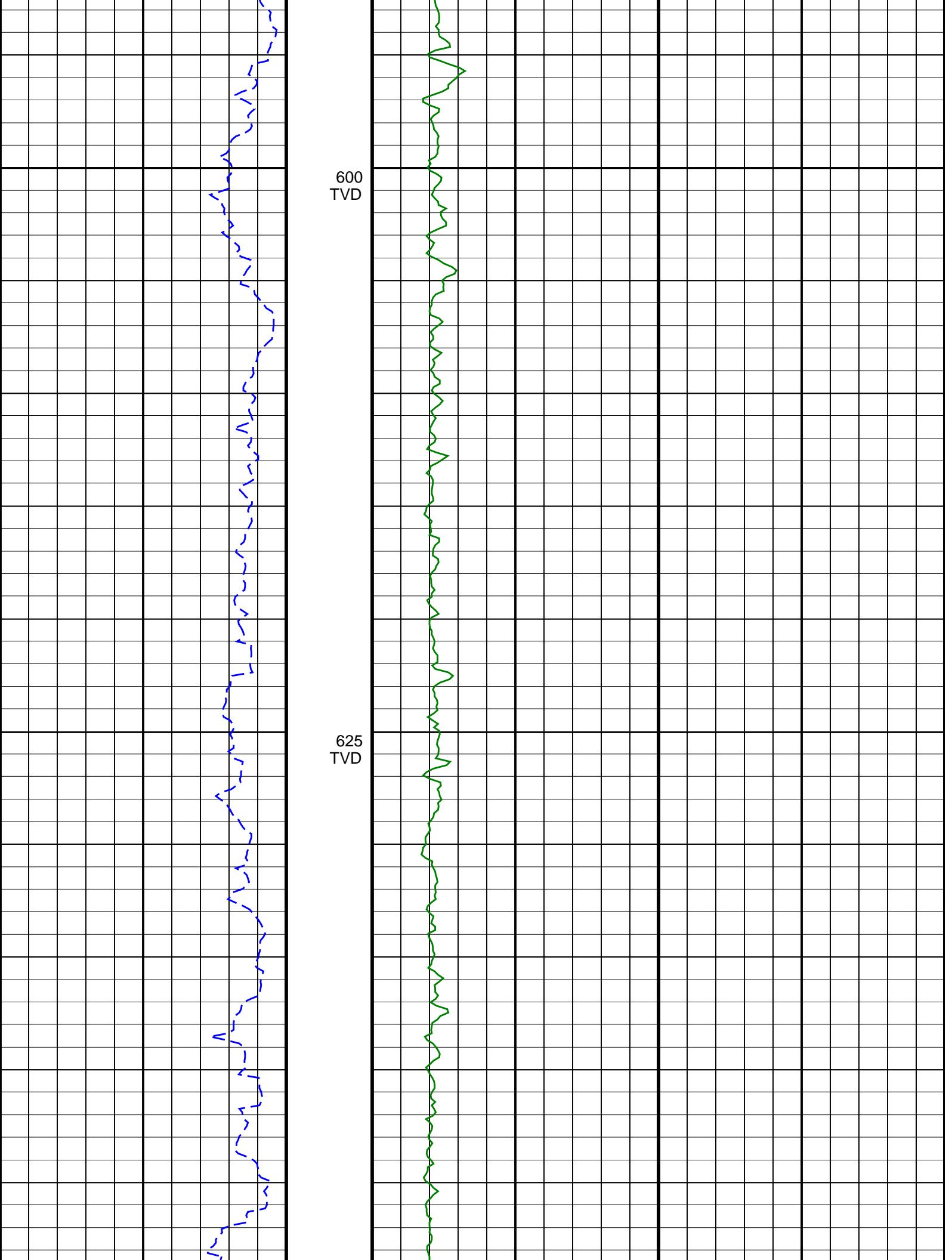
Maximum string diameter 8.50 in.

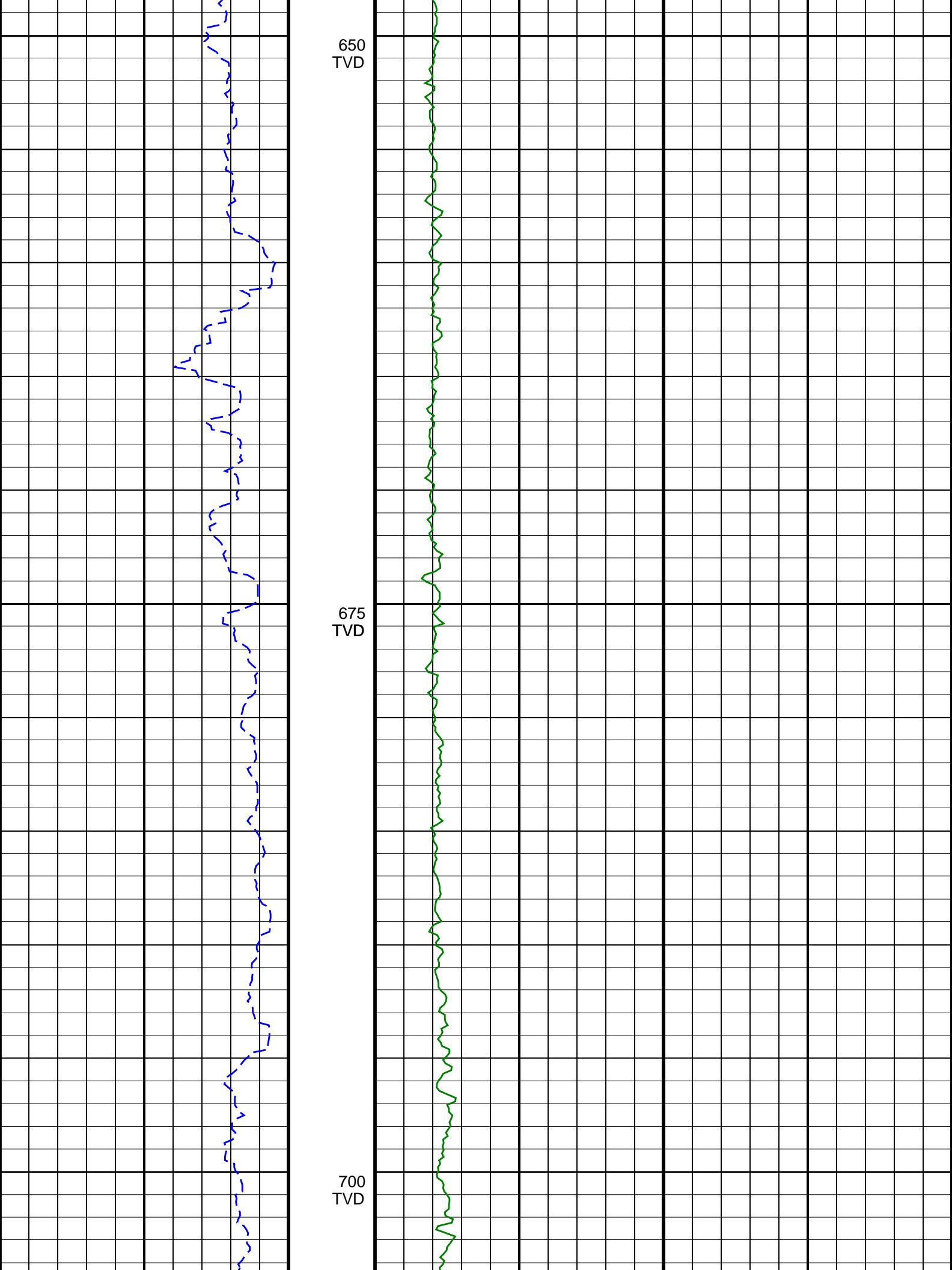
All lengths in Meters

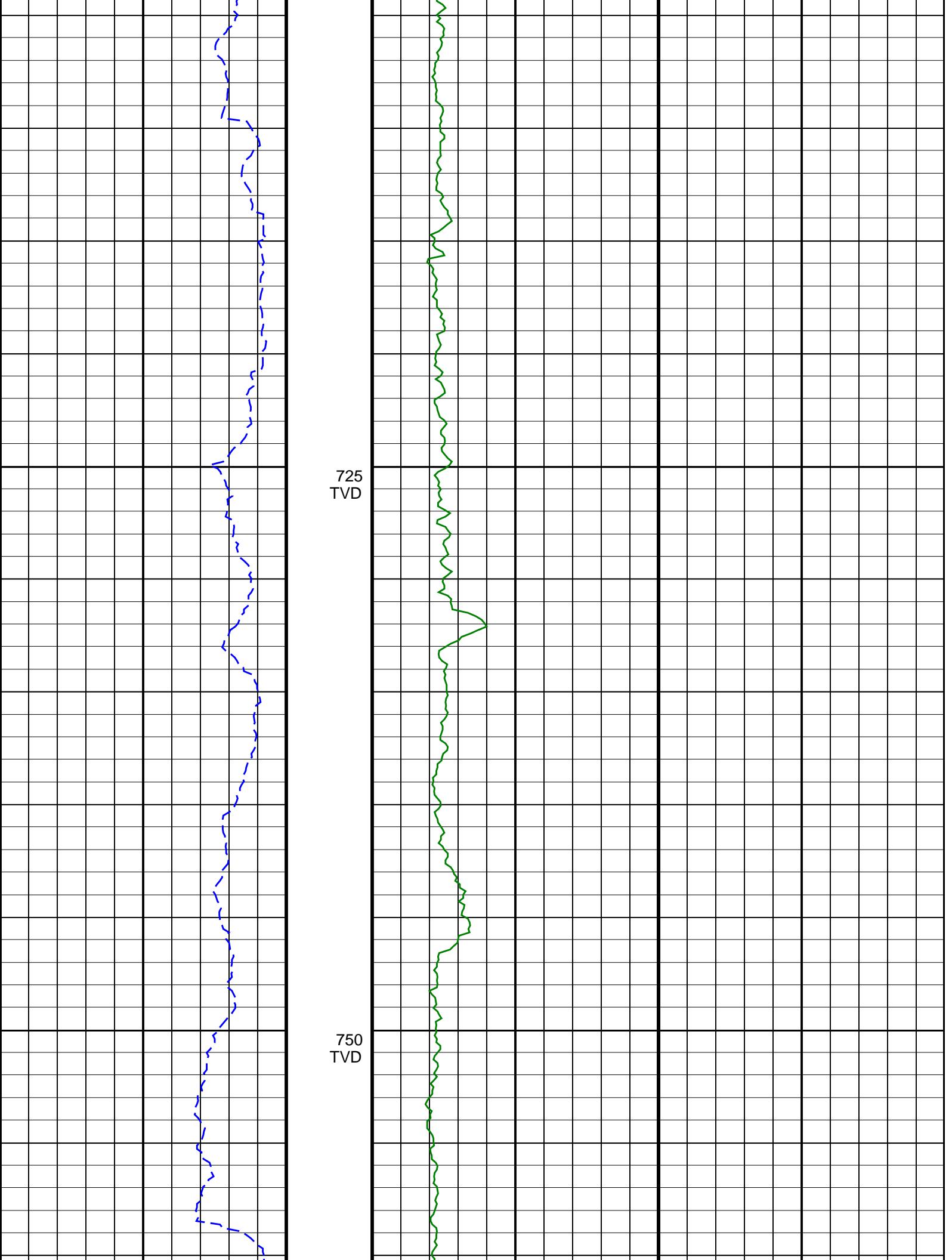
HLA A7A RT 1:200 TVD

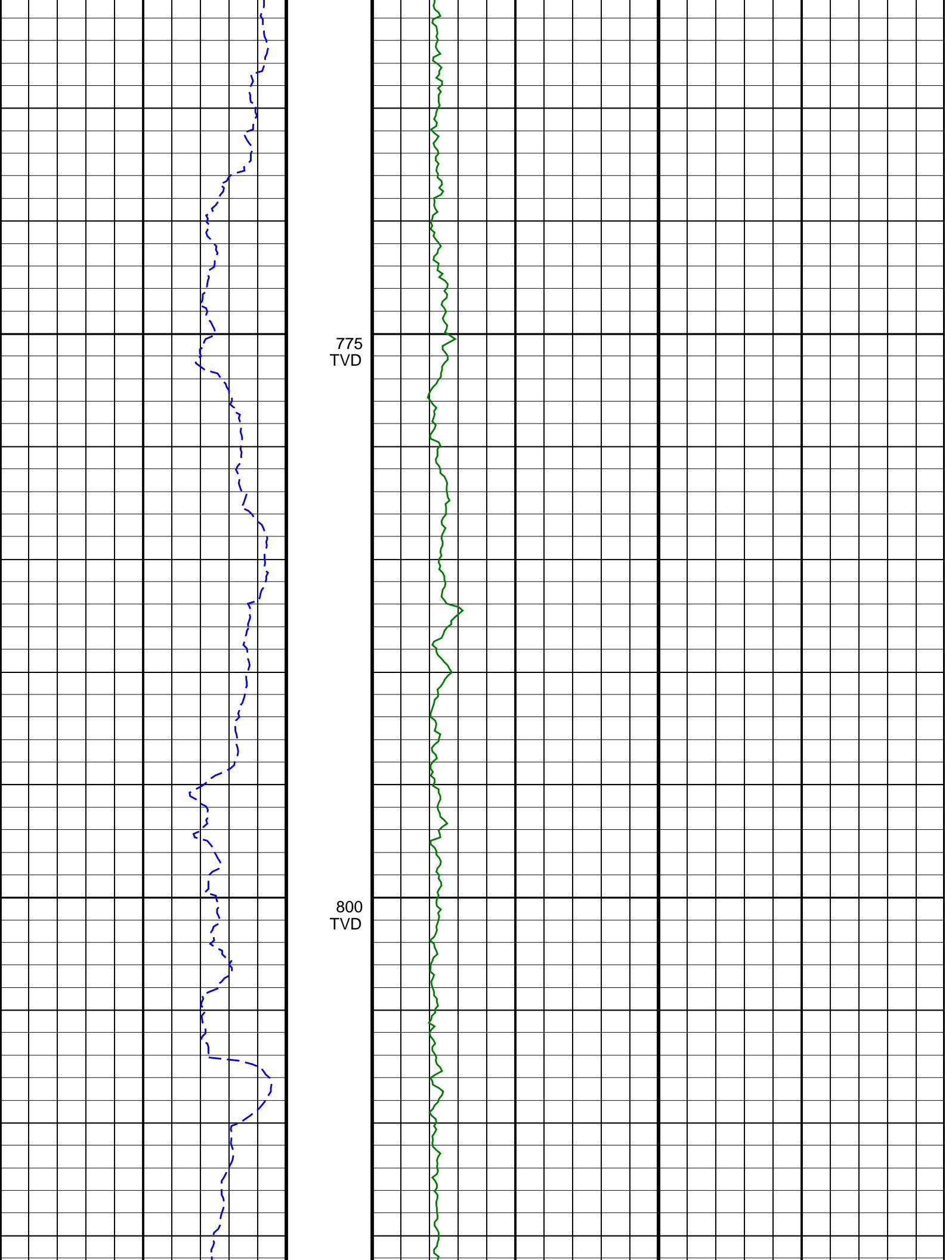
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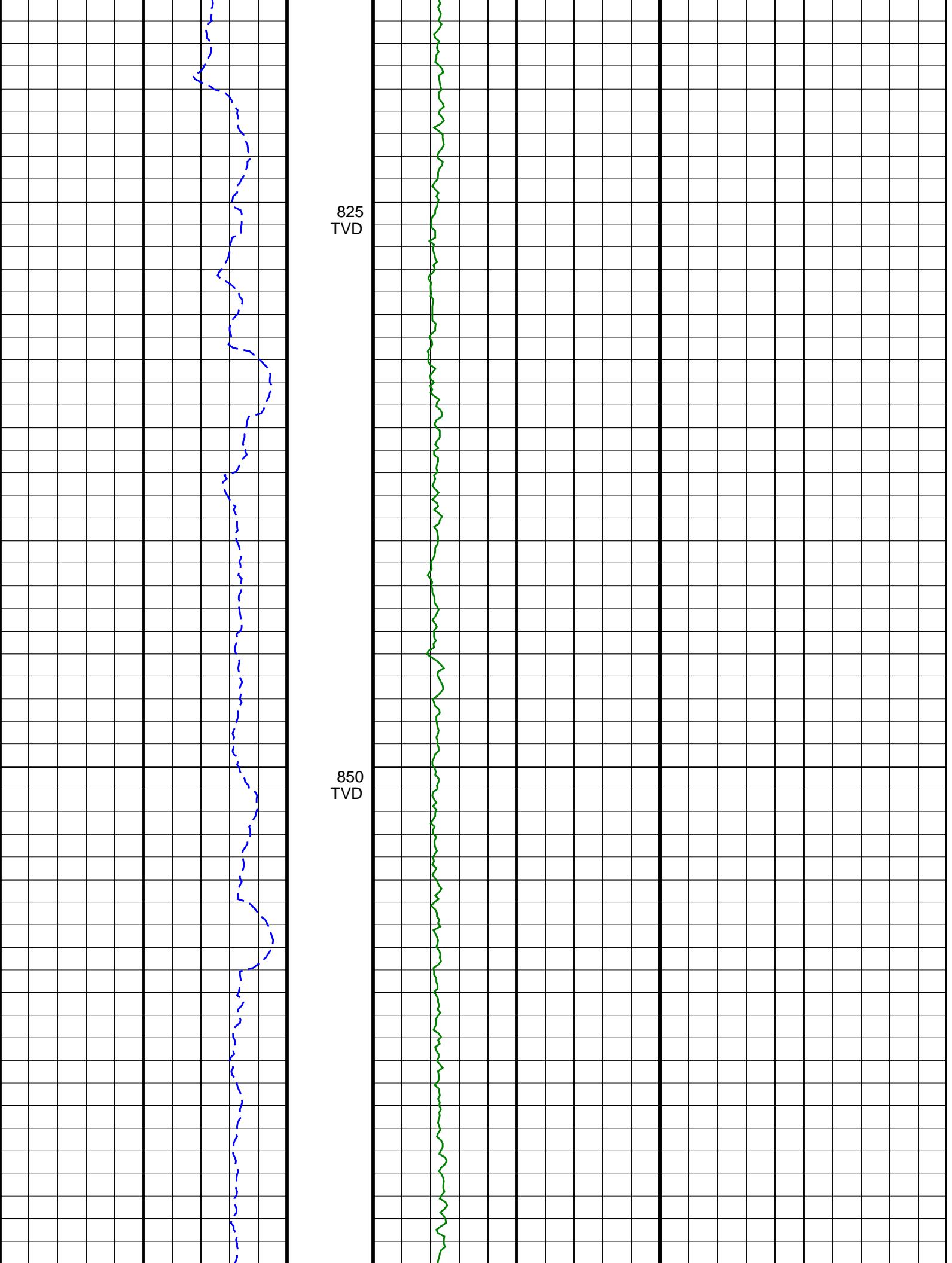


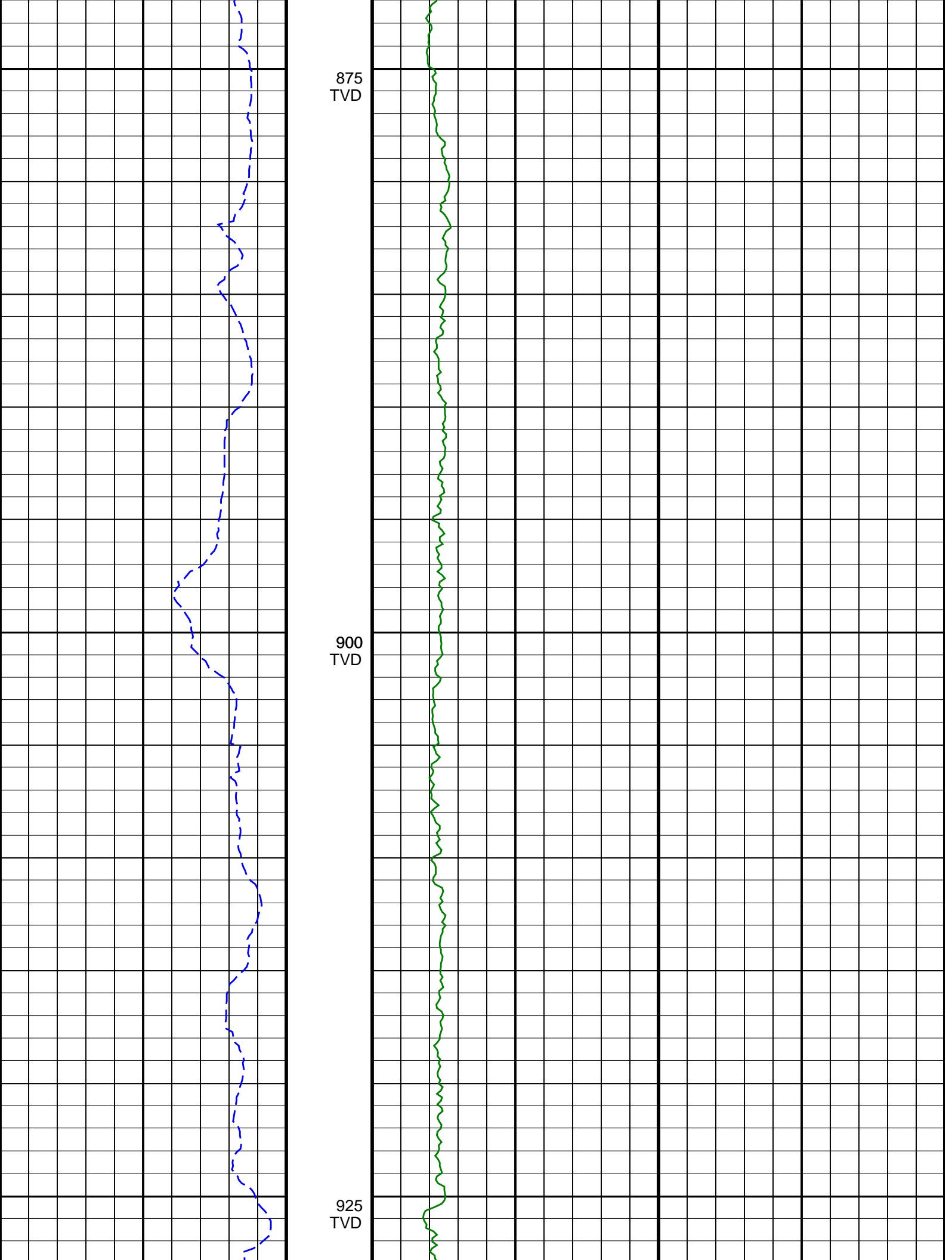


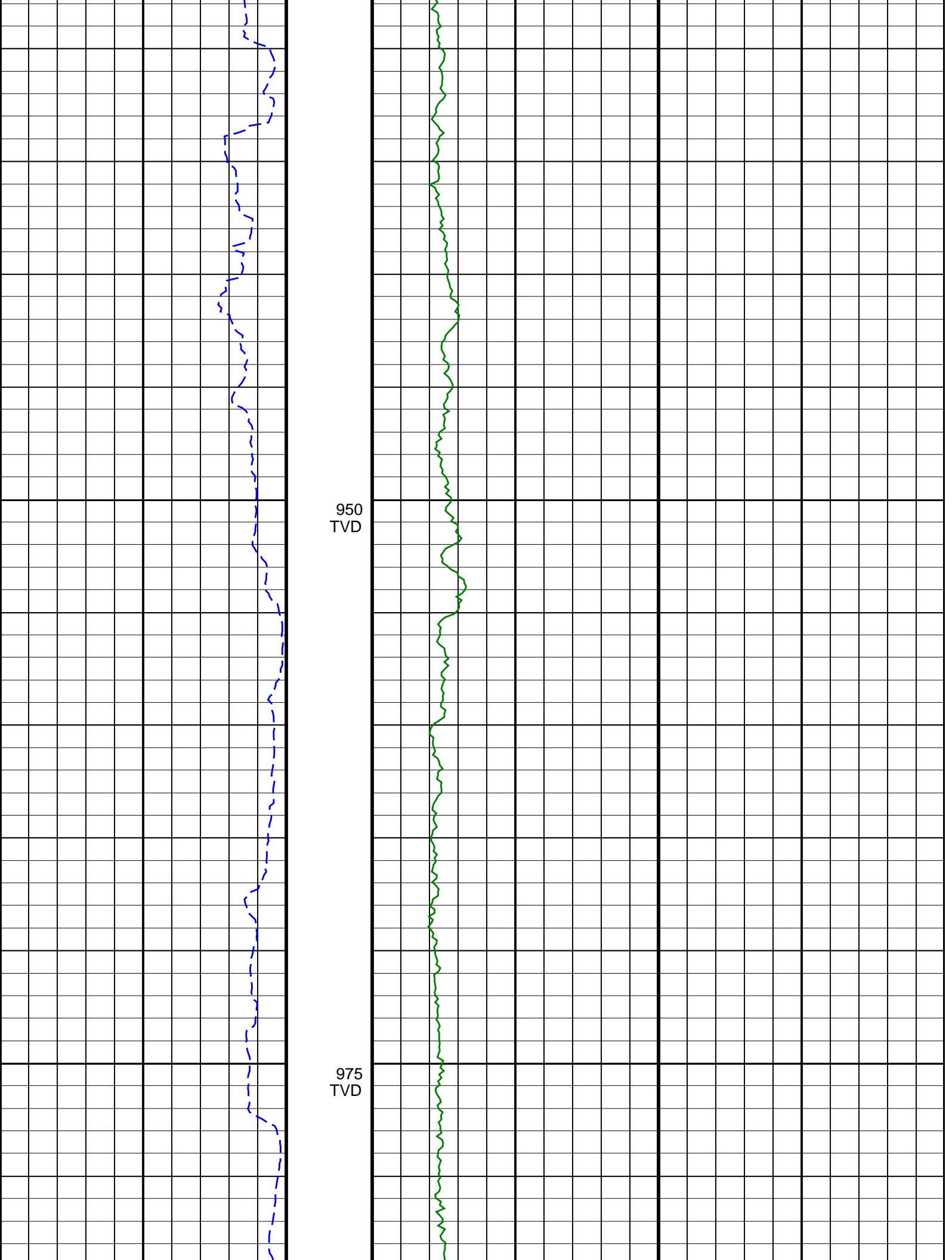


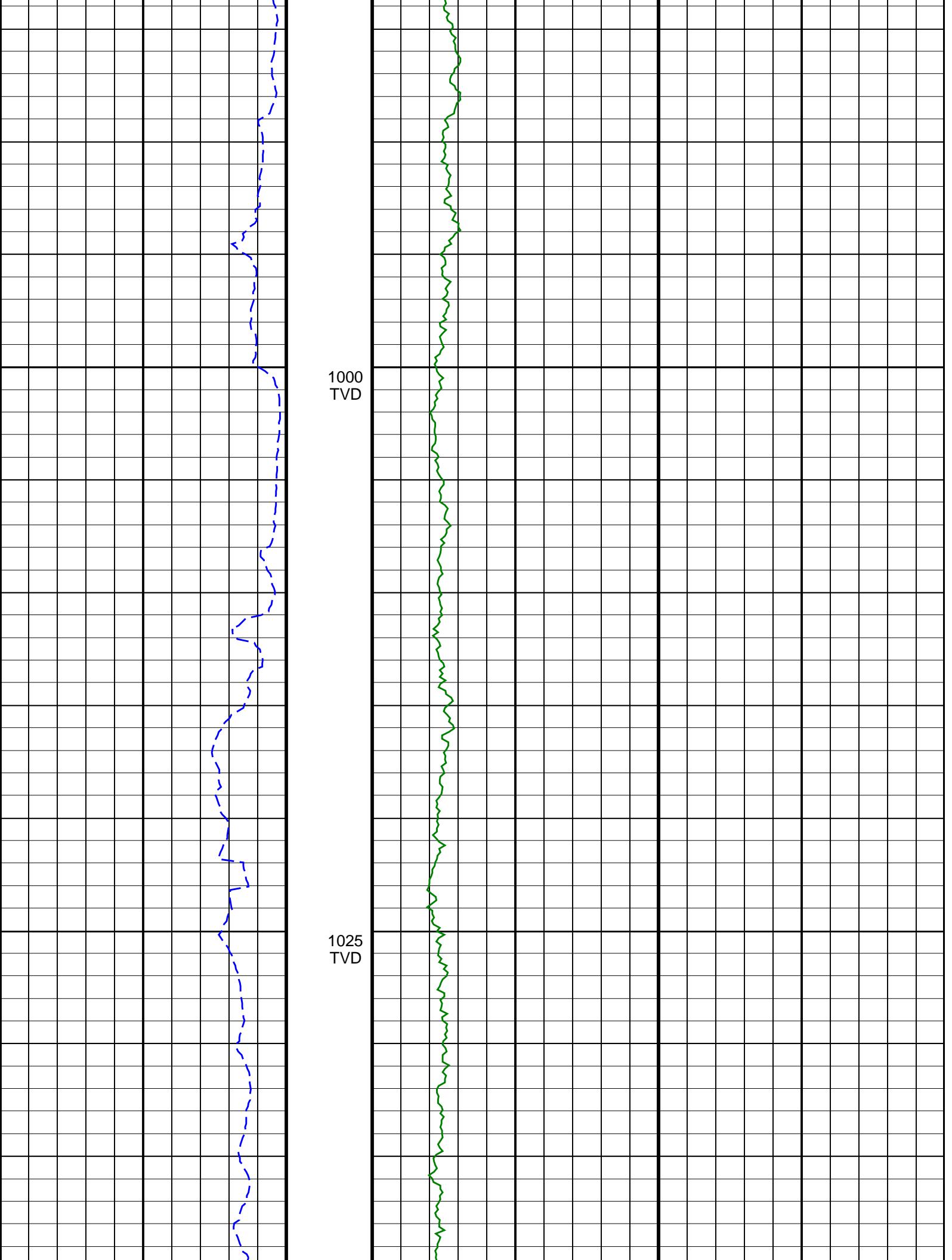


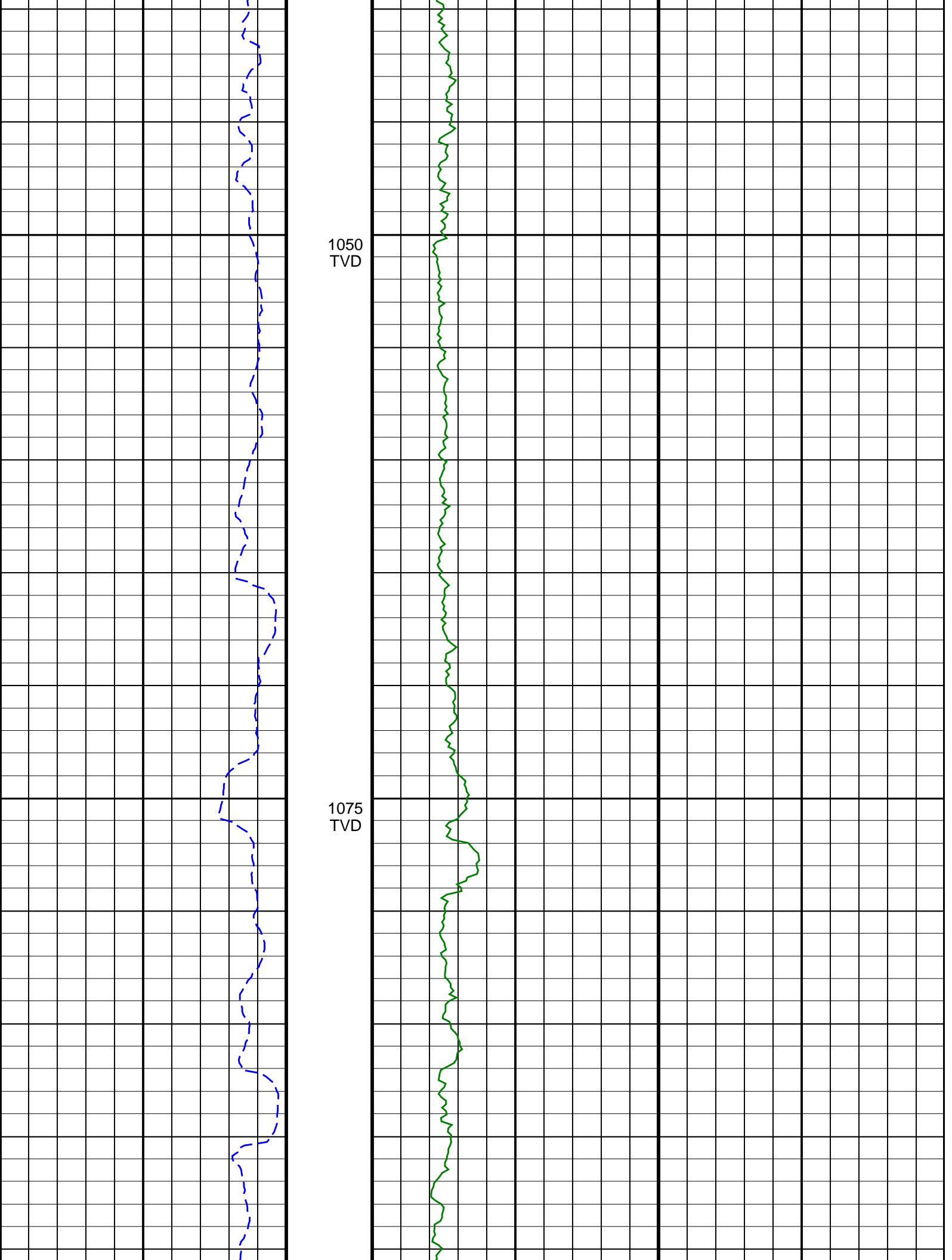


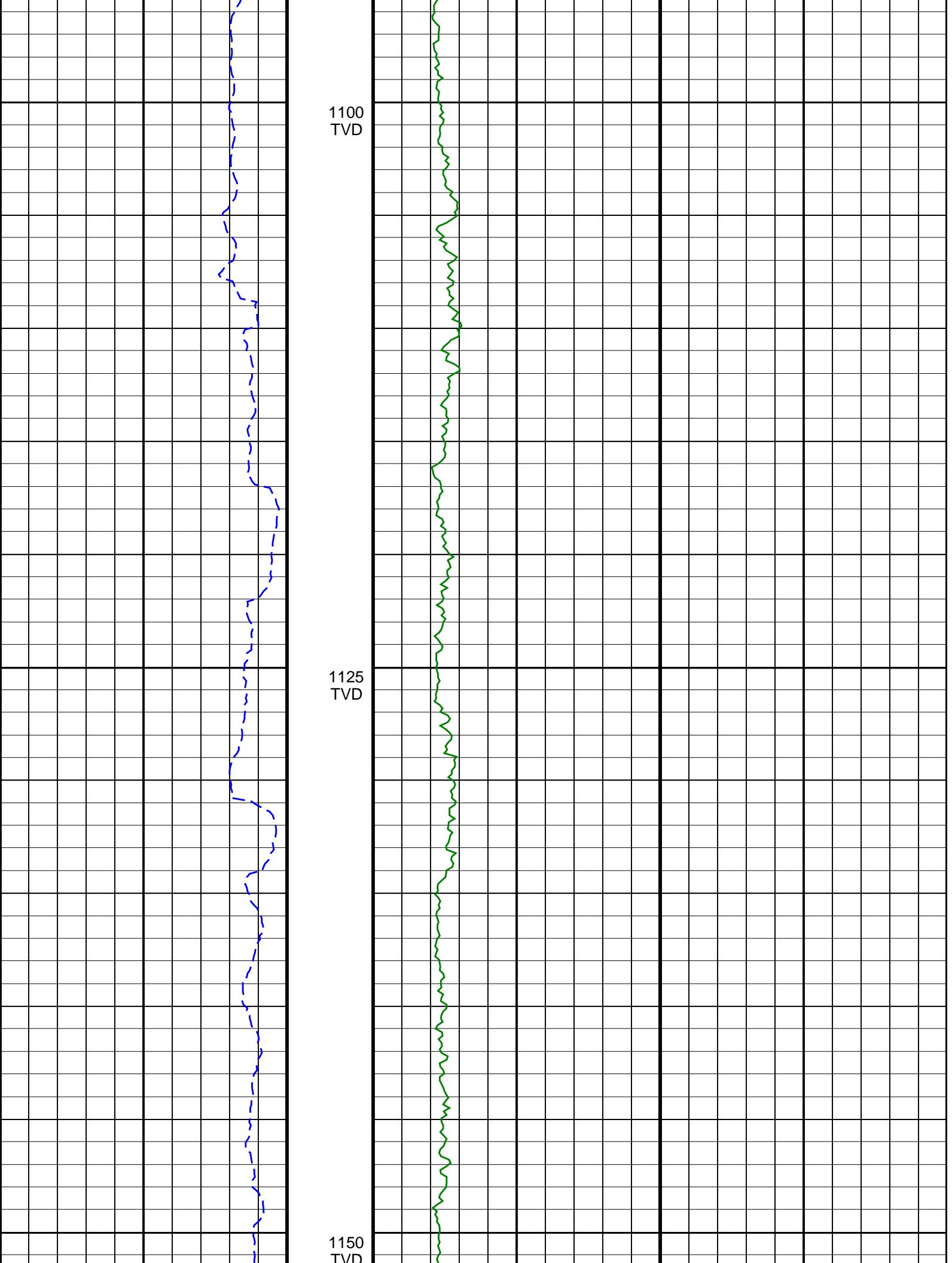


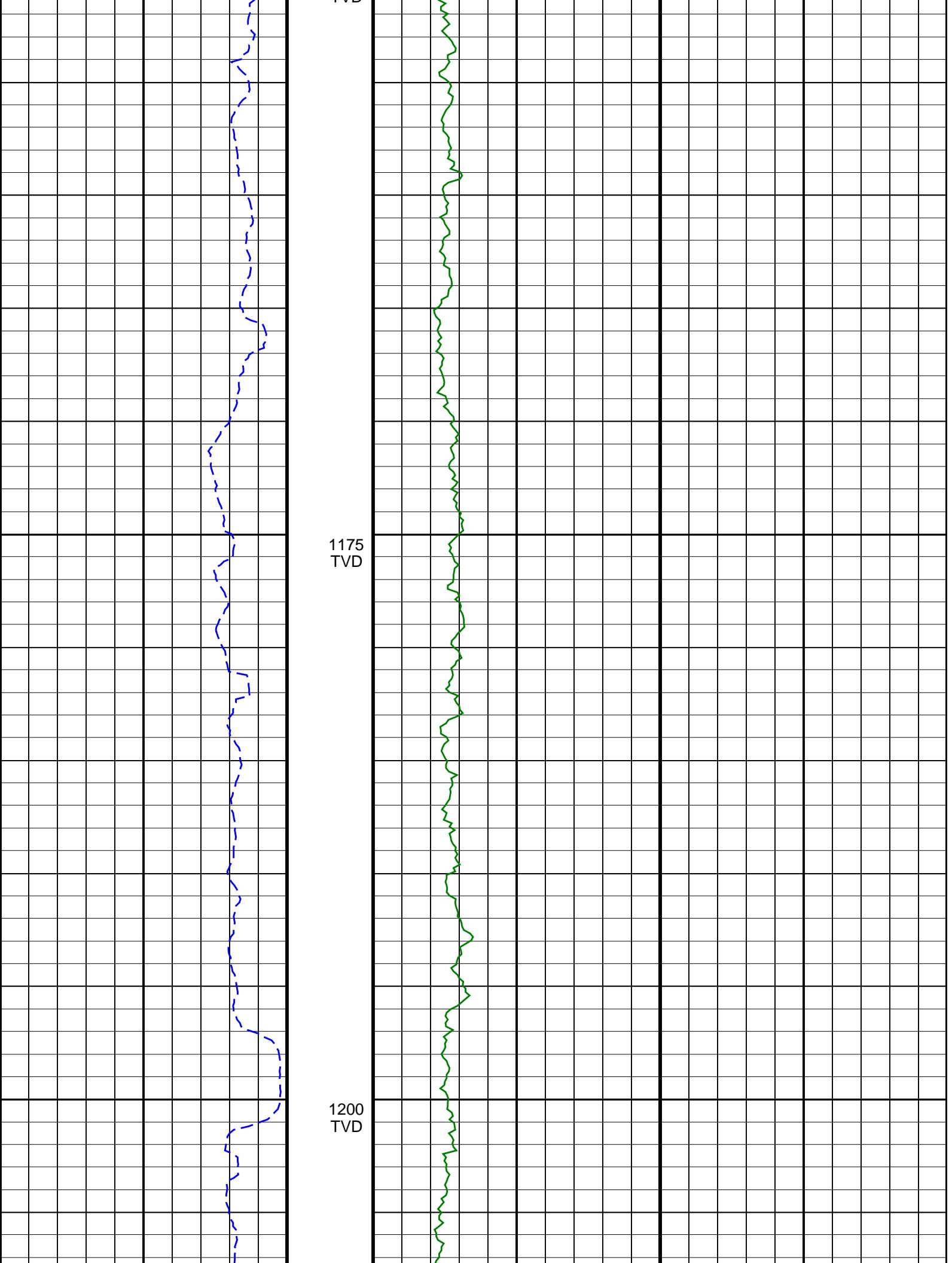


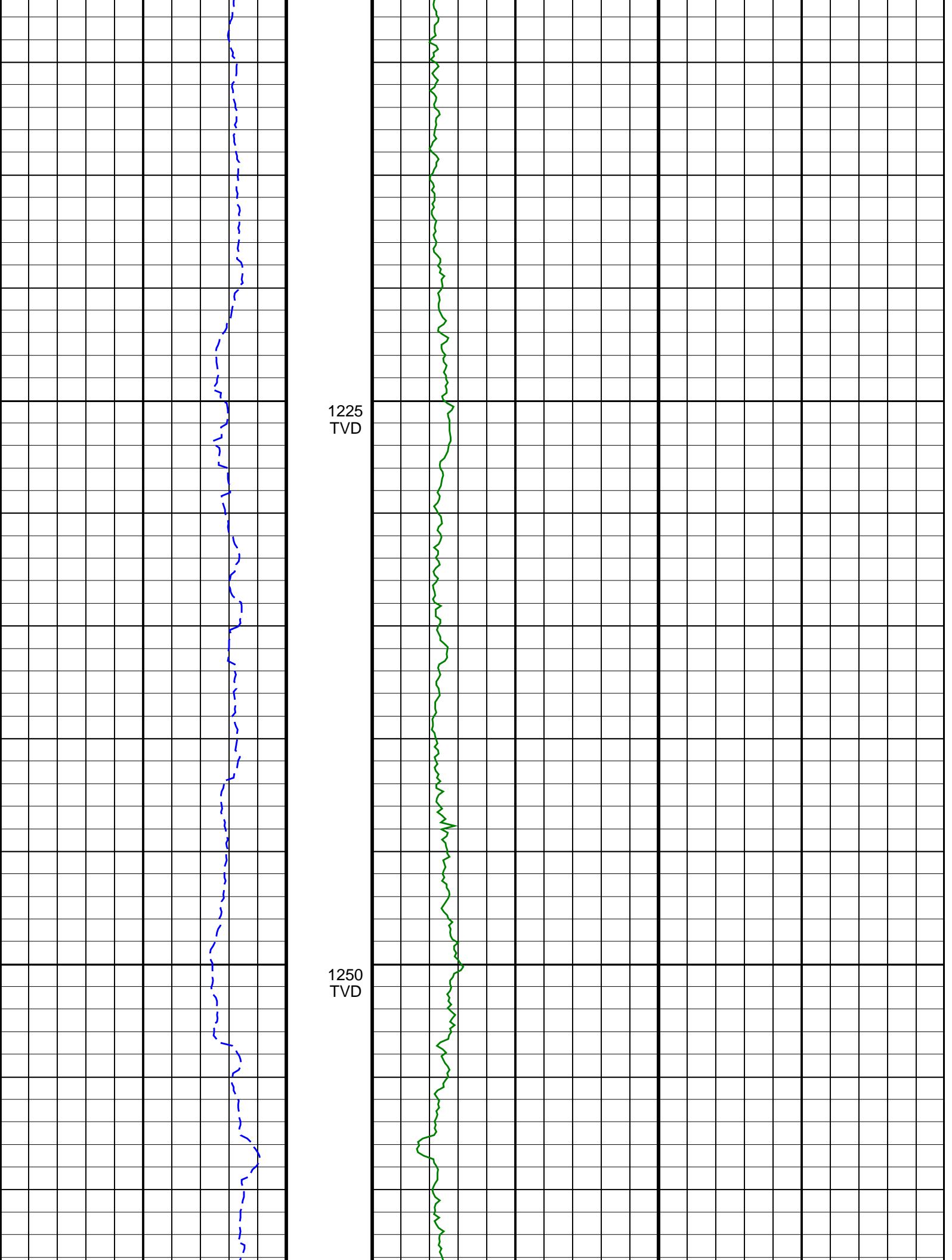


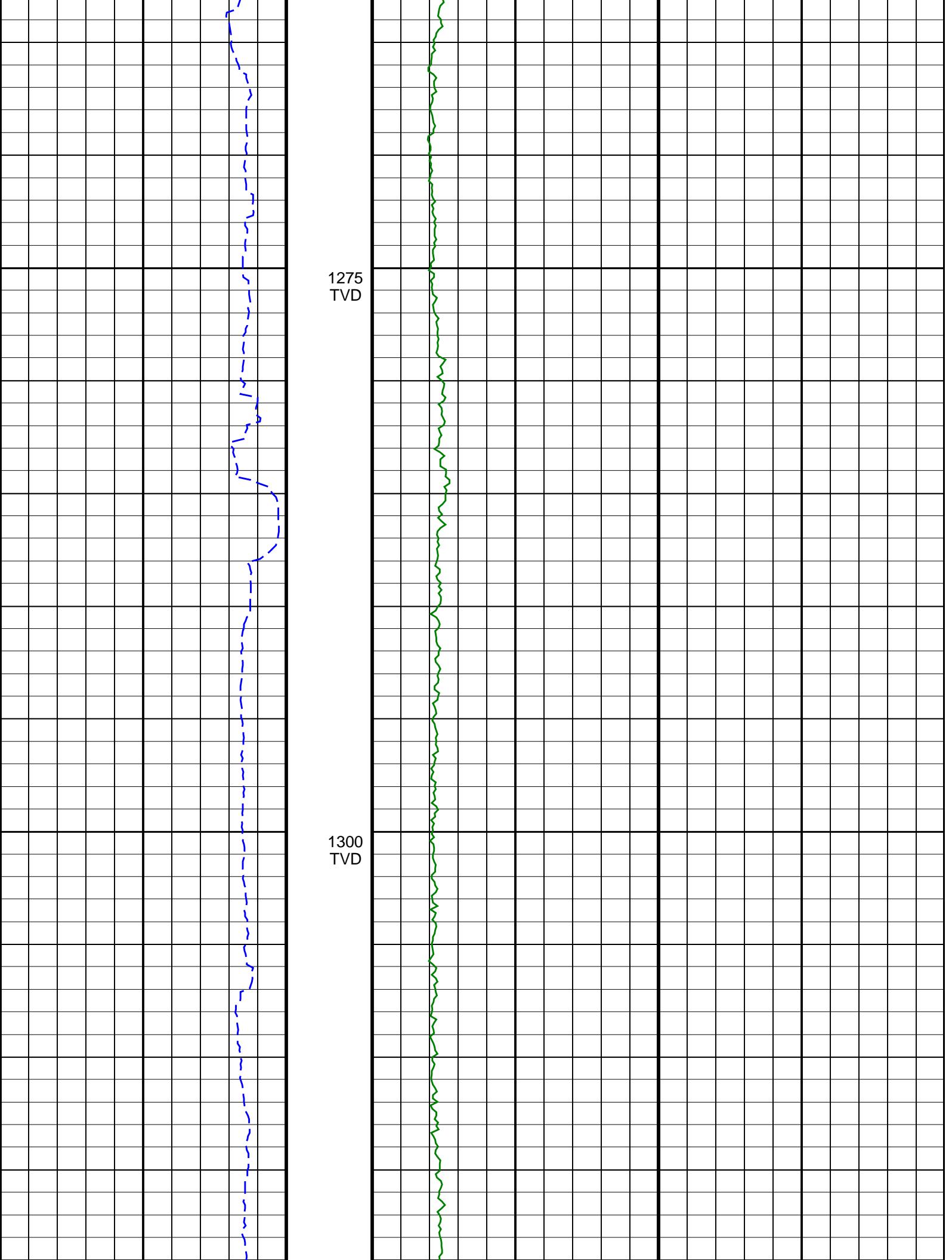


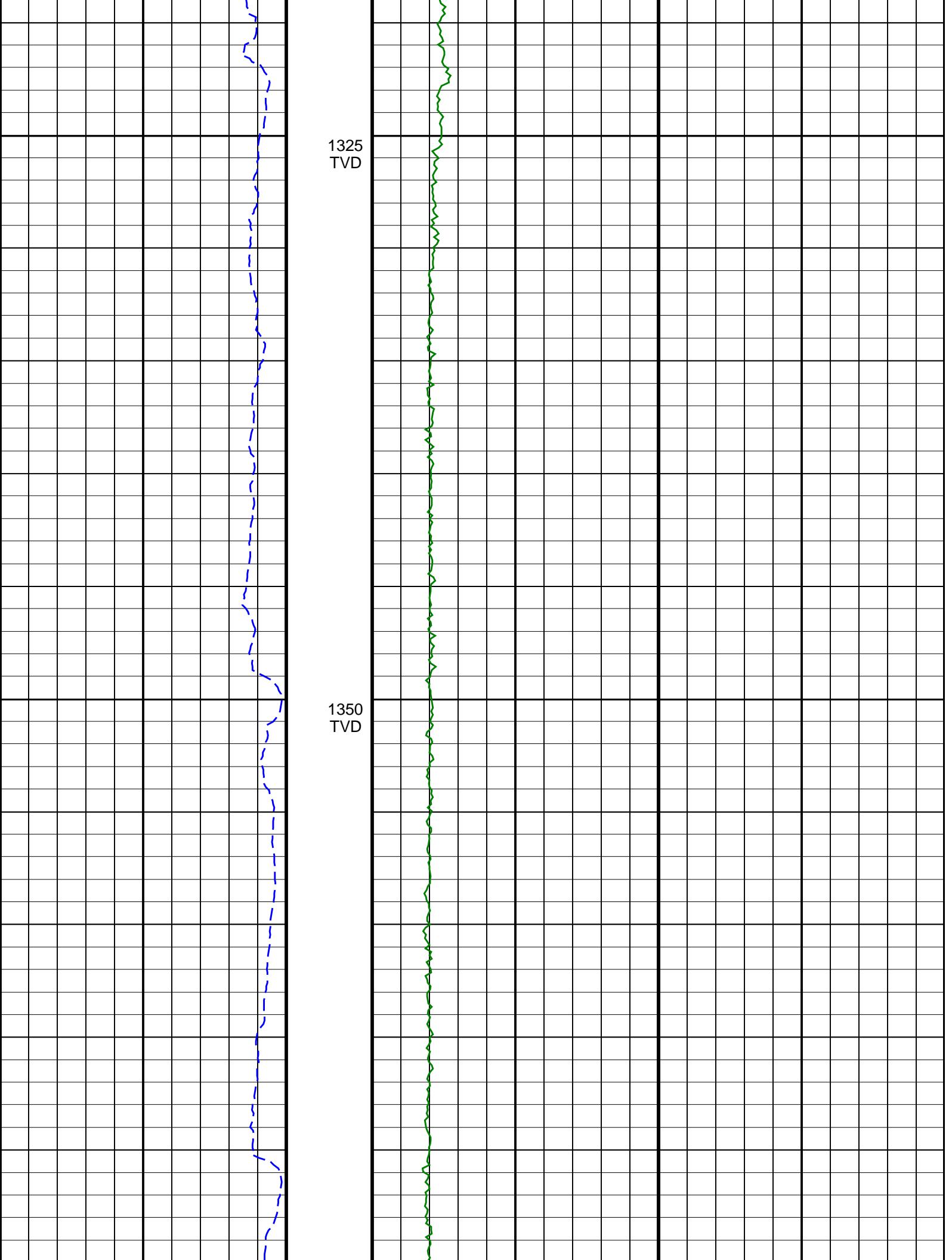








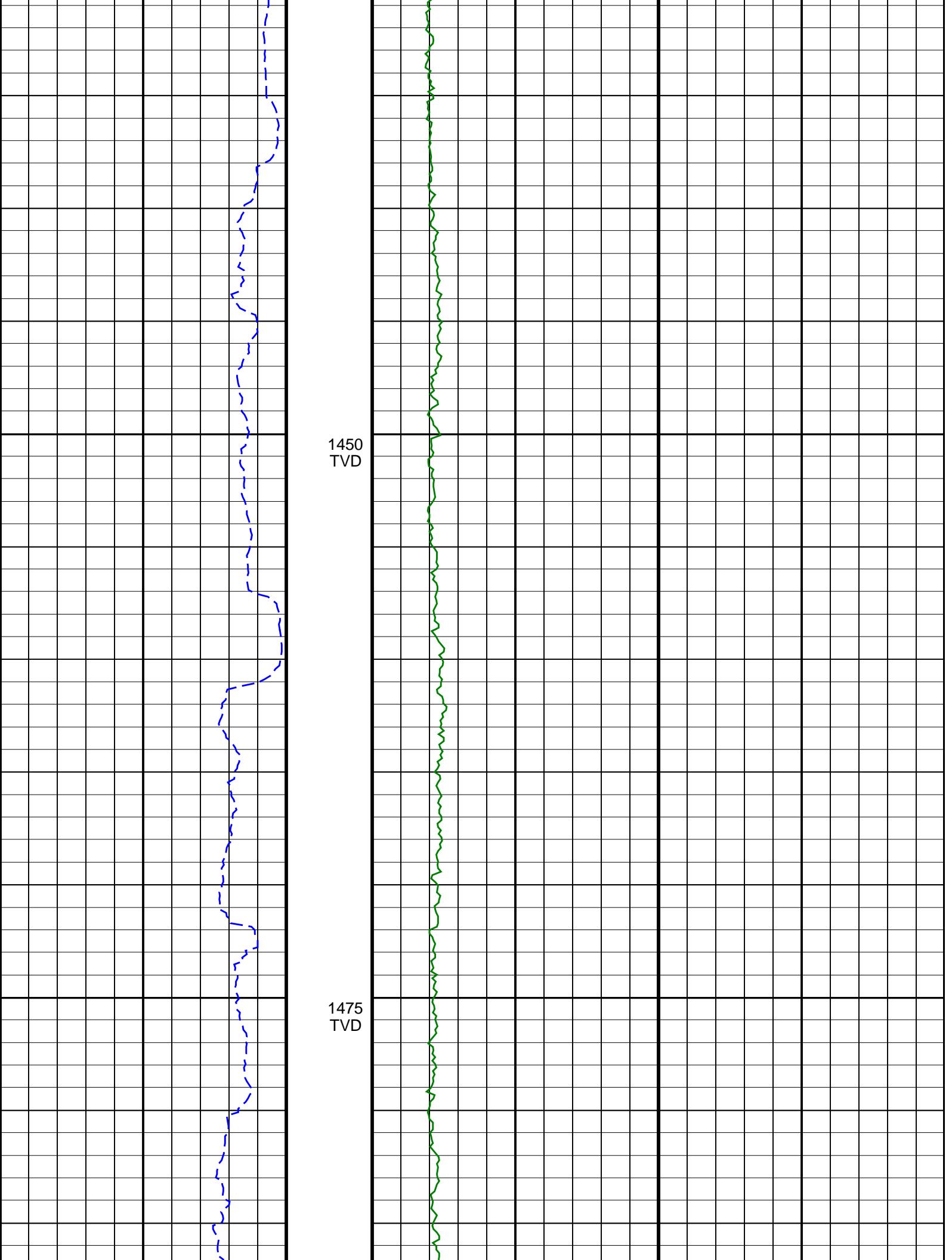


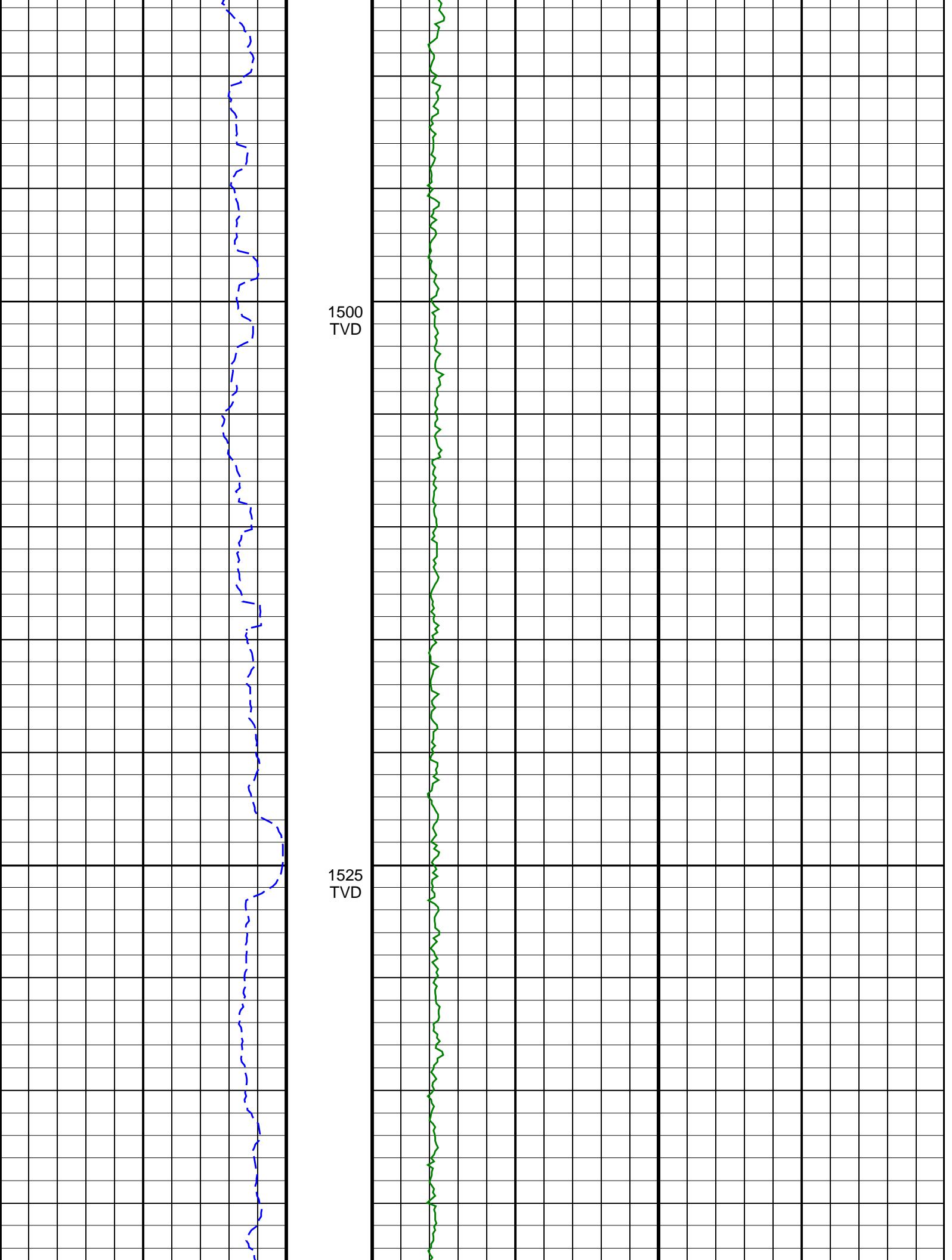


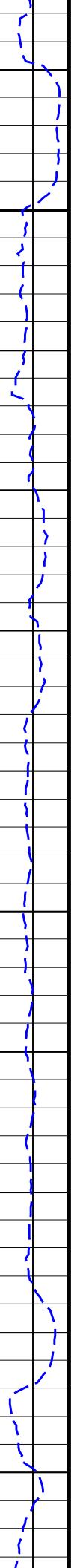
1375
TVD

1400
TVD

1425
TVD







1550
TVD

1575
TVD

