

# Schlumberger

Company: **ESSO Australia Pty. Ltd.**

## 12.25 in. Section

**Well: West Moonfish-1**

Field: **Moonfish**

**Rig: ENSCO 102**

## State:

# Victoria

PowerPulse\* Gamma Ray  
1:500 True Vertical Depth  
Real Time Log

Rig:		ENSCO 102	
Field:		Moonfish	
Location:		Bass Strait	
Well:		West Moonfish-1	
Company:		ESSO Australia Pty. Ltd.	

<div> <div>PowerPulse* Gamma Ray</div> <div>1:500 True Vertical Depth</div> <div>Real Time Log</div> </div>			
Location			
Total depth:	2532.0 m	K.B. Top Drive	
Spud date:	05-Jan-05	G.L. -52.12 m	
Runs:	2 To 4	D.F. 39.24 m	
Permanent datum:	Mean Sea Level	Elev.: 0.0 m	
Log measured from:	Drill Floor	39.24 m above Perm. datum	
Depth reference:	Driller's Depth		
Service Order no.	x = 585687.25m (East)	Longitude	Latitude
ASQ-04-12	y = 5777075.49m (North)	E 147° 58' 40.63"	S 38° 09' 0.48"

Depth logged:	755.4 m	To 2518.8 m	Mag decl:	13.04 deg.	Other services:	
Date logged:	11-Jan-05	To 19-Jan-05	Mag dip:	-68.70 deg.	Directional Drilling, D&I Survey	
Bore hole record			Casing record			
Hole size	from	to	Size	Density	from	to
26.0 in.	Surface	160.0 m	20 in.	94.0 lb/ft	Surface	155.3 m
17.5 in.	160.0 m	761.0 m	13.375 in.	68.0 lb/ft	Surface	755.4 m
12.25 in.	761.0 m	2532.0 m				
Mud record			Borehole deviation record			
Type	from	to	Min	Max	from	to
S-W/Bentonite	160.0 m	761.0 m	0.18 deg.	0.47 deg.	160.0 m	761.0 m
KCL/HPA/Glycol	761.0 m	2532.0 m	0.35 deg.	33.78 deg.	761.0 m	2532.0 m
Surface equipment			Software record			
Unit	OLU-JA-9602	IDEAL W/s	ID9_1C_01			
Depth system	PDA - DES-DA	SPM	hspm9_2c_08			
		LWD	N/A			
		MWD	V7.0c00			




















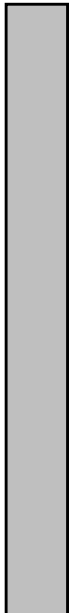






## Bit Run Summary

Run number		2	3	4							
Bit size	in.	12.25	12.25	12.25							
Bit start depth	m	761.0	1737.0	2073.0							
Bit end depth	m	1737.0	2073.0	2532.0							
Top interval logged	m	755.4	1717.2	2053.2							
Bottom interval logged	m	1717.2	2053.2	2518.8							
Begin log: time		11:34	22:10	23:00							
Begin log: date		12-Jan-05		17-Jan-05							
End log: time		11:51	08:25	09:22							
End log: date		14-Jan-05	17-Jan-05	19-Jan-05							
<b>Mud data</b>											
Depth	m	1538.0	2037.0	2442.0							
Type		KCL/PHPA/Glycol	KCL/PHPA/Glycol	KCL/PHPA/Glycol							
Mud weight	ppg	9.5	9.65	9.75							
Solids	%	4.0	6.0	6.7							
Chlorides	mg/L	36500	42000	42000							
Rm	Ohm.m	N/A	N/A	N/A							
Rmf	Ohm.m	N/A	N/A	N/A							
Rmc	Ohm.m	N/A	N/A	N/A							

Potassium	%	7.0	7.0	7.0							
<b>Environmental data</b>											
<b>GR</b>											
Mud weight	ppg	9.5	9.65	9.75							
Bit size	in.	12.25	12.25	12.25							
<b>Resistivity</b>											
<b>Neutron porosity</b>											
Hole Size	in.	N/A	N/A	N/A							
Mud weight	ppg	N/A	N/A	N/A							
Temperature	°C	N/A	N/A	N/A							
Mud salinity	ppk	N/A	N/A	N/A							
Formation salinity											
Recording rate 1	SEC	8 sec.	8 sec.	8 sec.							
Recording rate 2	SEC	N/A	N/A	N/A							
Filtering GR		3 pt.	3 pt.	3 pt.							
Filtering density		N/A	N/A	N/A							
Filtering Neutron		N/A	N/A	N/A							
Company representative		R. Morris	G. Sharkey								
Anadrill personnel		J. Dolan	M. Y. Tan	C. Soper	D. Hay						

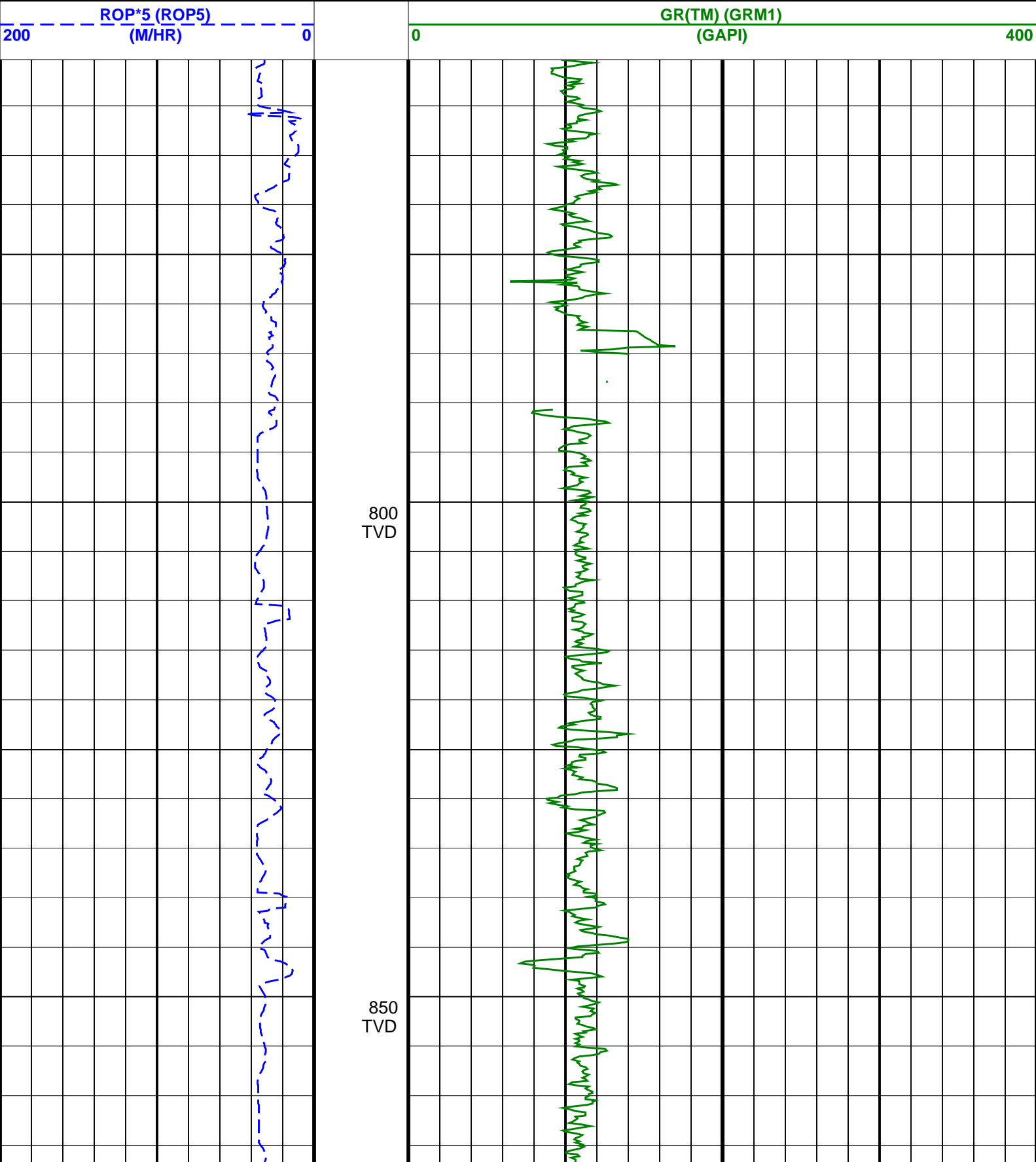
<p style="text-align: center;"><b>DISCLAIMER</b></p> <p>THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.</p>		
<b>OTHER SERVICES FOR RUN2</b> Directional Drilling D&I Survey Gamma Ray	<b>OTHER SERVICES FOR RUN3</b> Directional Drilling D&I Survey Gamma Ray	<b>OTHER SERVICES FOR RUN4</b> Directional Drilling D&I Survey Gamma Ray
<b>REMARKS: RUN NUMBER 2</b> 12 1/4 in. hole section was drilled from 761.0 m to 1737.0 m.  Depth is referenced to Driller's Depth.  All data presented was acquired in Real Time.  GR corrected for Mud Weight, Tool and Bit Size.  Mud type is KCL/PHPA/Glycol. Barite was present in the mud system.  POOH at 1737.0 m to change bit.  Intermittent loss of GR data caused by tool problems with flow rates.          Thank you for choosing Schlumberger.	<b>REMARKS: RUN NUMBER 3</b> 12 1/4 in. hole section was drilled from 1737.0 m to 2073.0 m.  Depth is referenced to Driller's Depth.  All data presented was acquired in Real Time.  GR corrected for Mud Weight, Tool and Bit Size.  Mud type is KCL/PHPA/Glycol. Barite was present in the mud system.  POOH at 2073.0 m to change bit.          Thank you for choosing Schlumberger.	<b>REMARKS: RUN NUMBER 4</b> 12 1/4 in. hole section was drilled from 2073.0 m to 2532.0 m.  Depth is referenced to Driller's Depth.  All data presented was acquired in Real Time.  GR corrected for Mud Weight, Tool and Bit Size.  Mud type is KCL/PHPA/Glycol. Barite was present in the mud system.  POOH at 2532.0 m due to section TD.          Thank you for choosing Schlumberger.

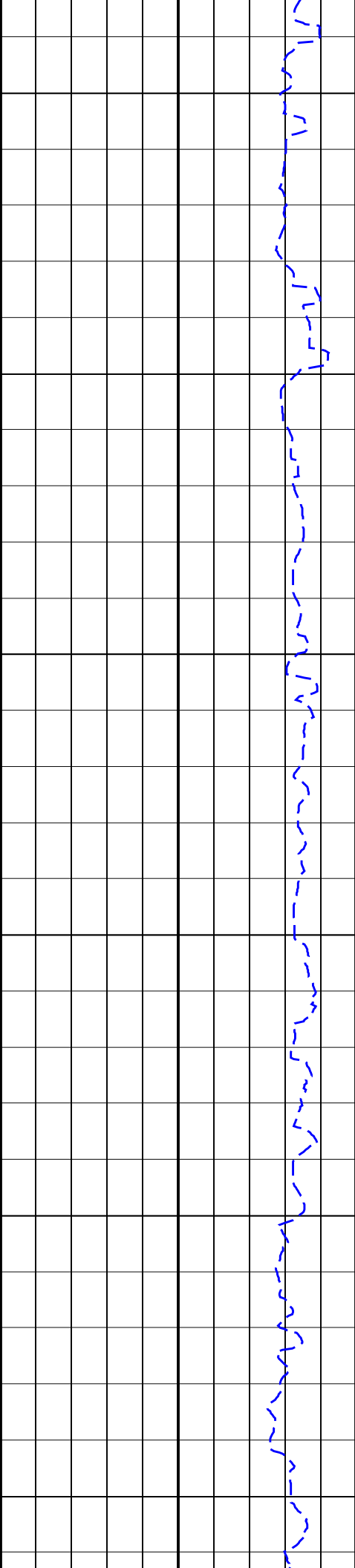
<b>EQUIPMENT DESCRIPTION</b>		
<b>RUN2</b>	<b>RUN3</b>	<b>RUN4</b>

DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT			DOWNHOLE EQUIPMENT		
8–1/4 in. PowerPulse*		24.75	8 1/4 in. PowerPulse*		24.70	8–1/4 in. PowerPulse*		19.17
MDC 23326 MEC 612BB MDI 626BC MGR 295AA Software: V7.0C00			MDC 883 MEC 212BA MDI 1096BC MGR 503AA Software: V7.0C00			MDC 883 MEC 212BA MDI 1096BC MGR 503AA Software: V7.0C00		
D&I		20.44	D&I		20.41			
GR		19.80	GR		19.77			
								
8–1/4 in. NM Pony Collar S/N: 6893C		16.30	8–1/4 in. NM Pony Collar S/N: 6893C		16.30			
11–7/8 in. Stabilizer S/N: 6403		13.63	11–7/8 in. Stabilizer S/N: 6403		13.63	8–1/4 in. NM Pony Collar S/N: 6893C		10.77
8 in. Float Sub S/N: ASQ990301		11.14	8 in. Float Sub S/N: ASQ990301		11.14	AnderGauge Stabilizer OD 11–1/2 – 12–1/4 in S/N: S13–056		8.10
PowerPak* Mud Motor  A962XP S/N: N7225 1.15 deg Bend 12–1/8 in. Motor Sleeve		10.04	PowerPak* Mud Motor  A962XP S/N: N7225 1.15 deg Bend 12–1/8 in. Motor Sleeve		10.04	8–1/4 in. NM Pony Collar S/N: 7505		4.76
						12–3/16 in. Near Bit Stabilizer S/N: DOTS3214		2.08
Reed–Hycalog PDC Bit  RXH192 S/N: 206985 OD 12–1/4 in.		0.00 0.33	Hughes Insert Bit  MX20DX S/N: 6017688 OD 12–1/4 in.		0.00 0.33	Reed–Hycalog PDC Bit  RSX162 S/N: 206982 OD 12–1/4 in.		0.25
Maximum string diameter 12.25 in. All lengths in Meters			Maximum string diameter 12.25 in. All lengths in Meters			Maximum string diameter 12.25 in. All lengths in Meters		

# West Moonfish-1 RT 1:500TVD

IDEAL Version: ID9\_1C\_01 <TVD> Vertical Scale: 1:500 Graphics File Created: 19-Jan-2005 10:53

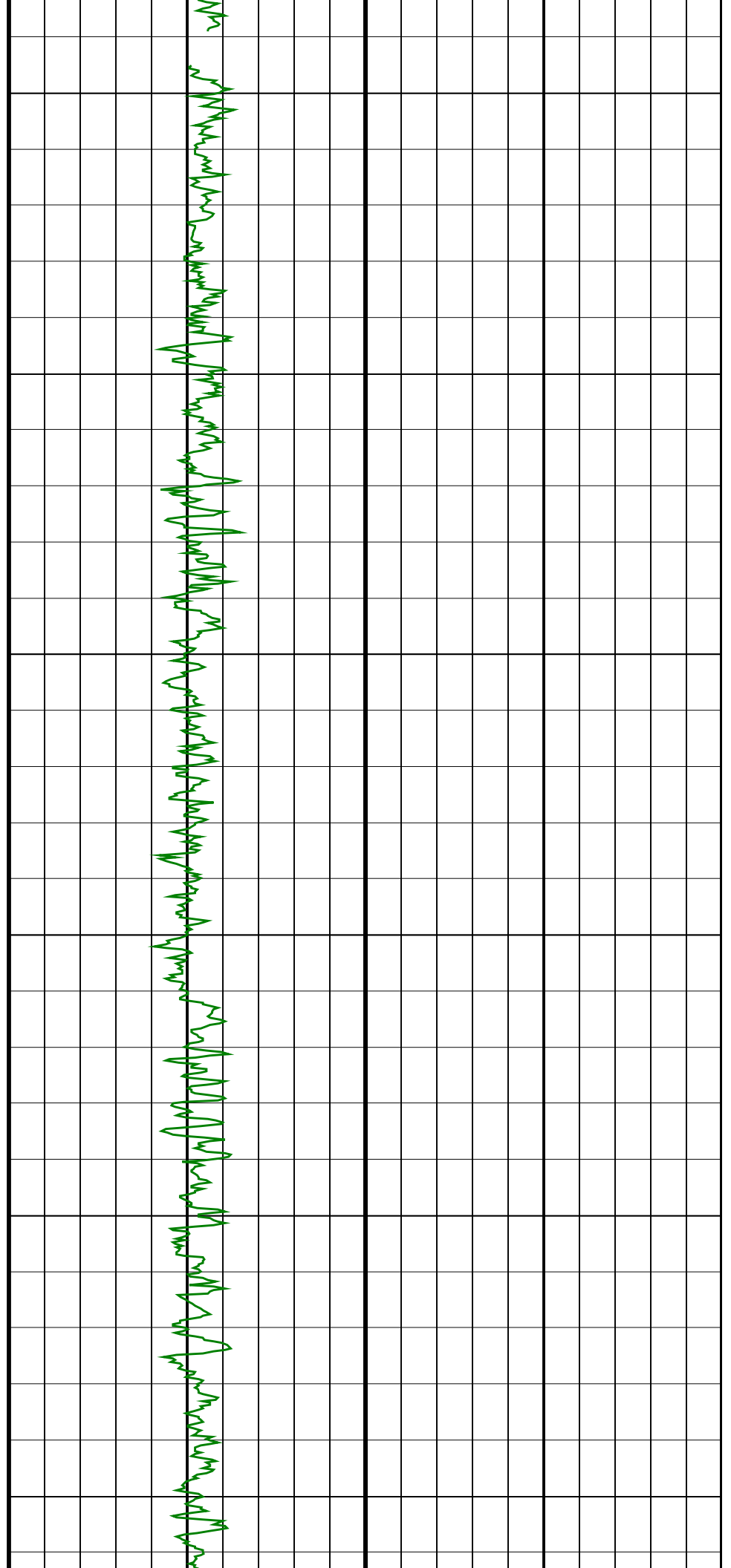


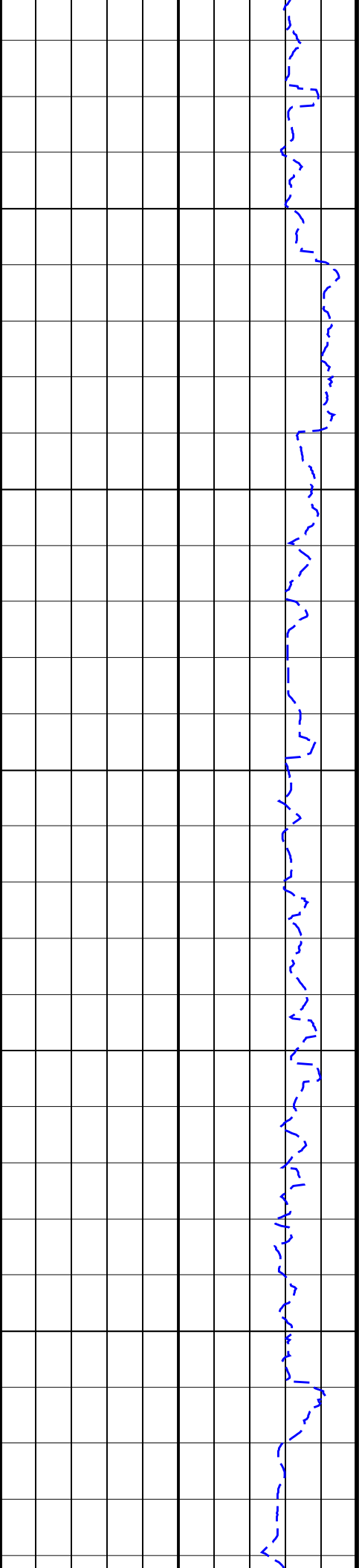


900  
TVD

950  
TVD

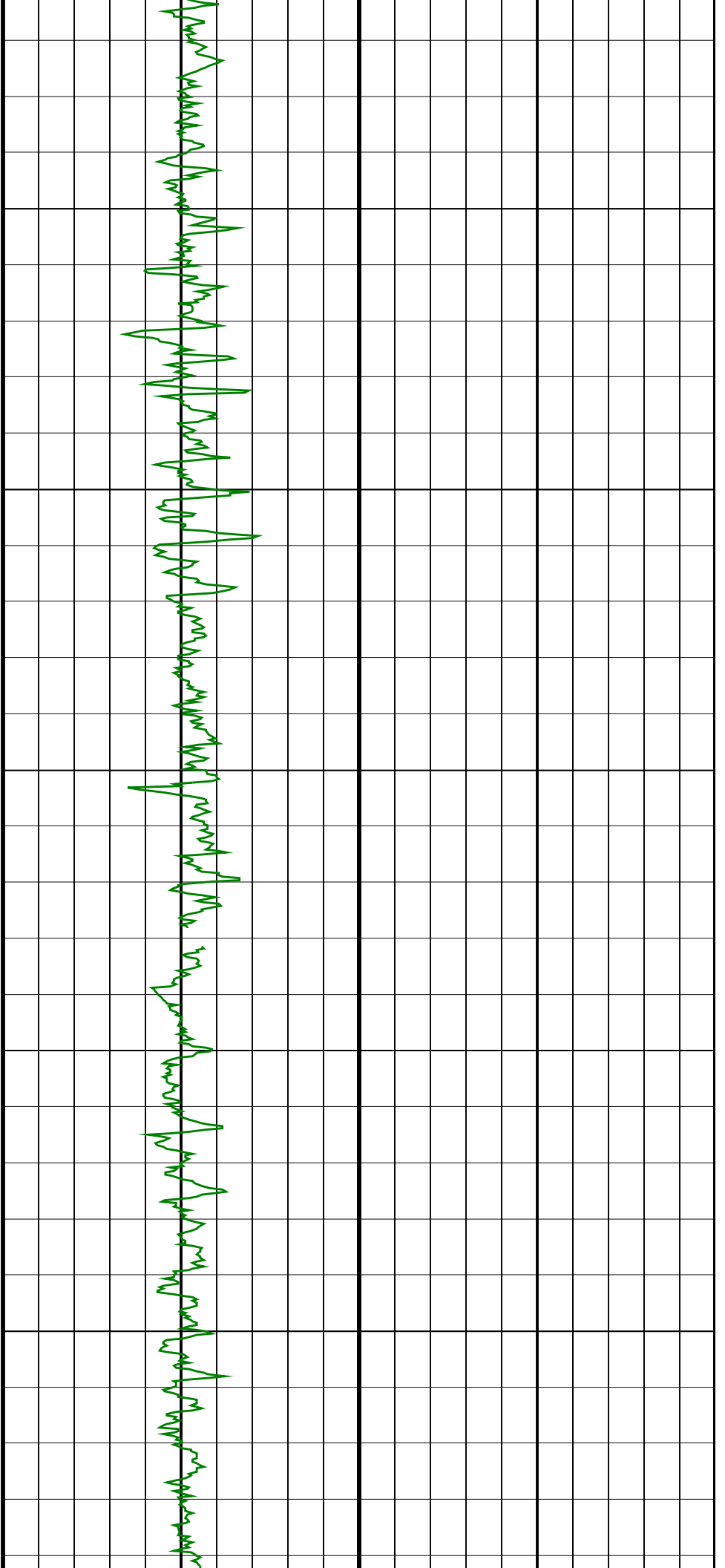
1000  
TVD

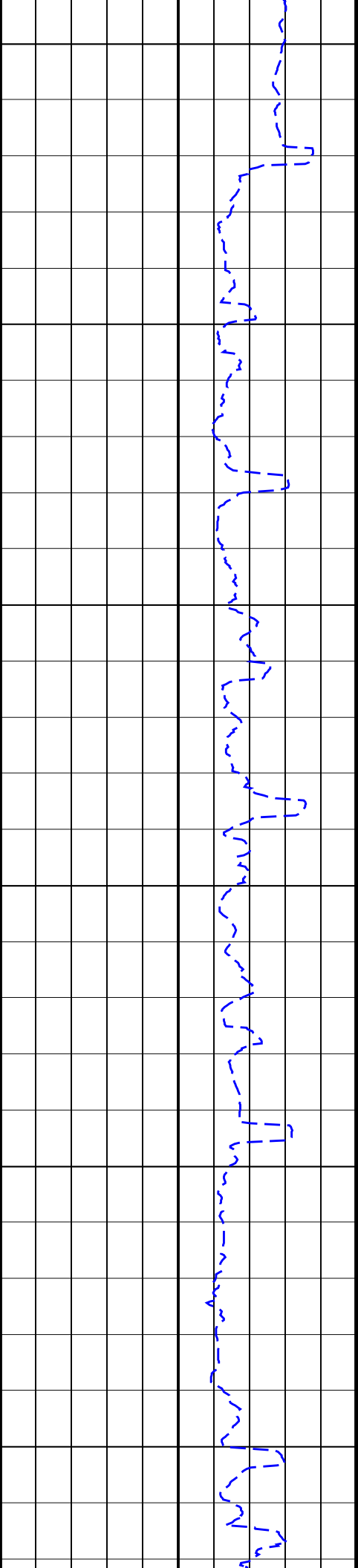




1050  
TVD

1100  
TVD

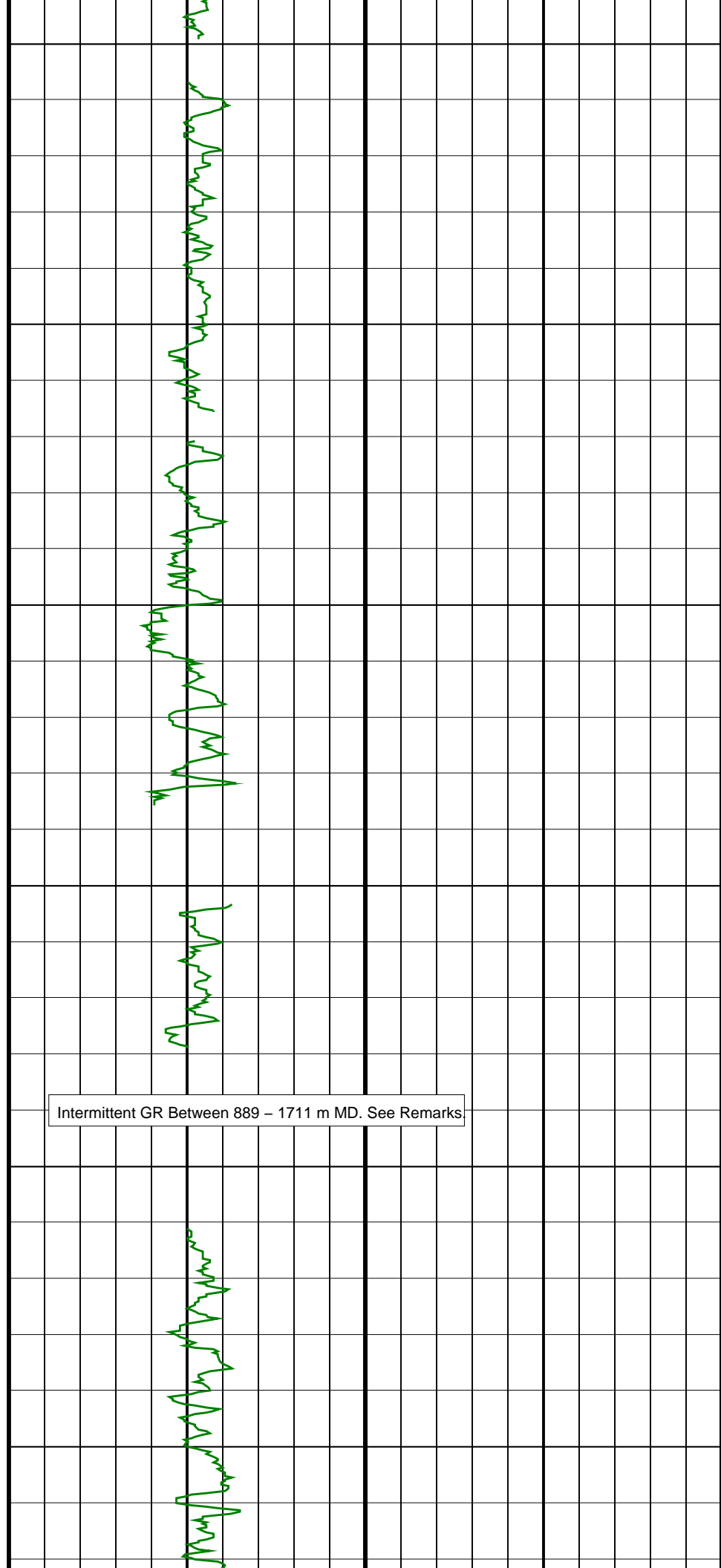




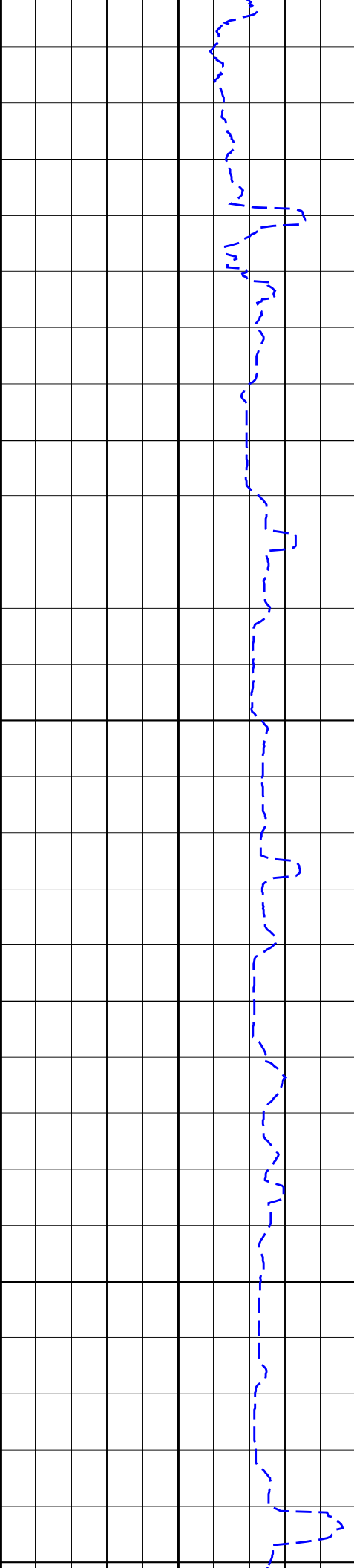
1150  
TVD

1200  
TVD

1250  
TVD



Intermittent GR Between 889 – 1711 m MD. See Remarks



1300  
TVD

1350  
TVD

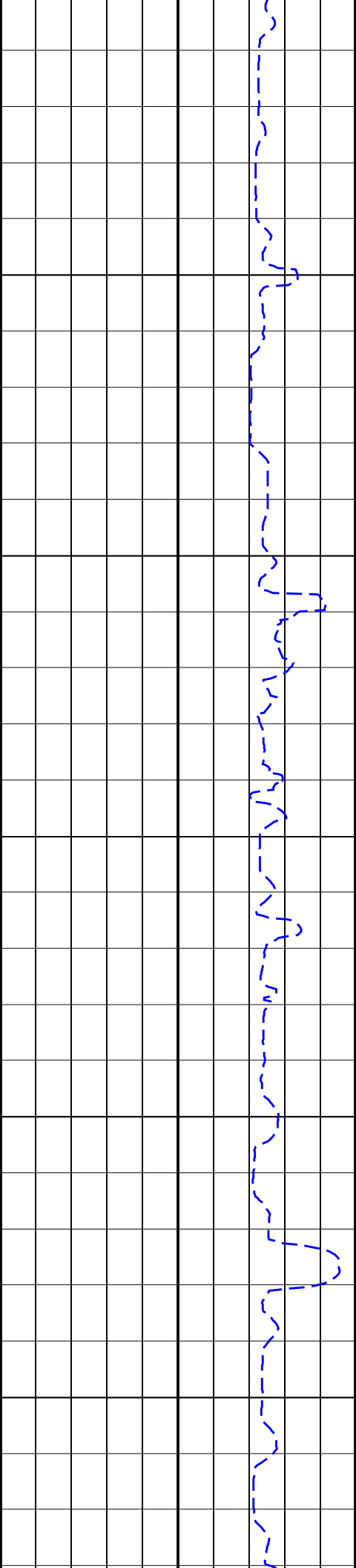
1400  
TVD

Intermittent GR Between 889 – 1711 m MD. See Remarks.

Intermittent GR Between 889 – 1711 m MD. See Remarks.







1450  
TVD

1500  
TVD

1550  
TVD

Intermittent GR Between 889 – 1711 m MD. See Remarks.

Intermittent GR Between 889 – 1711 m MD. See Remarks.

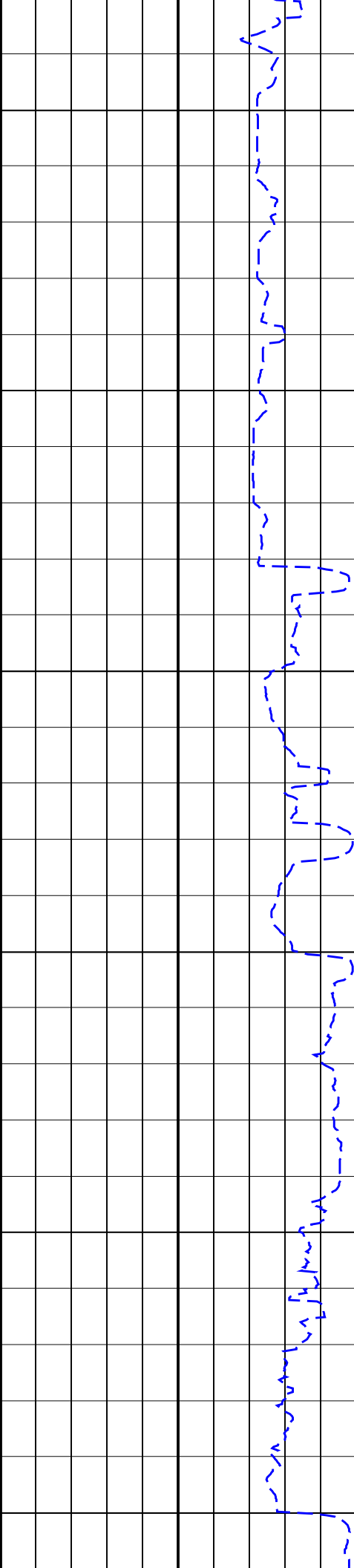
W

W

+

W

+



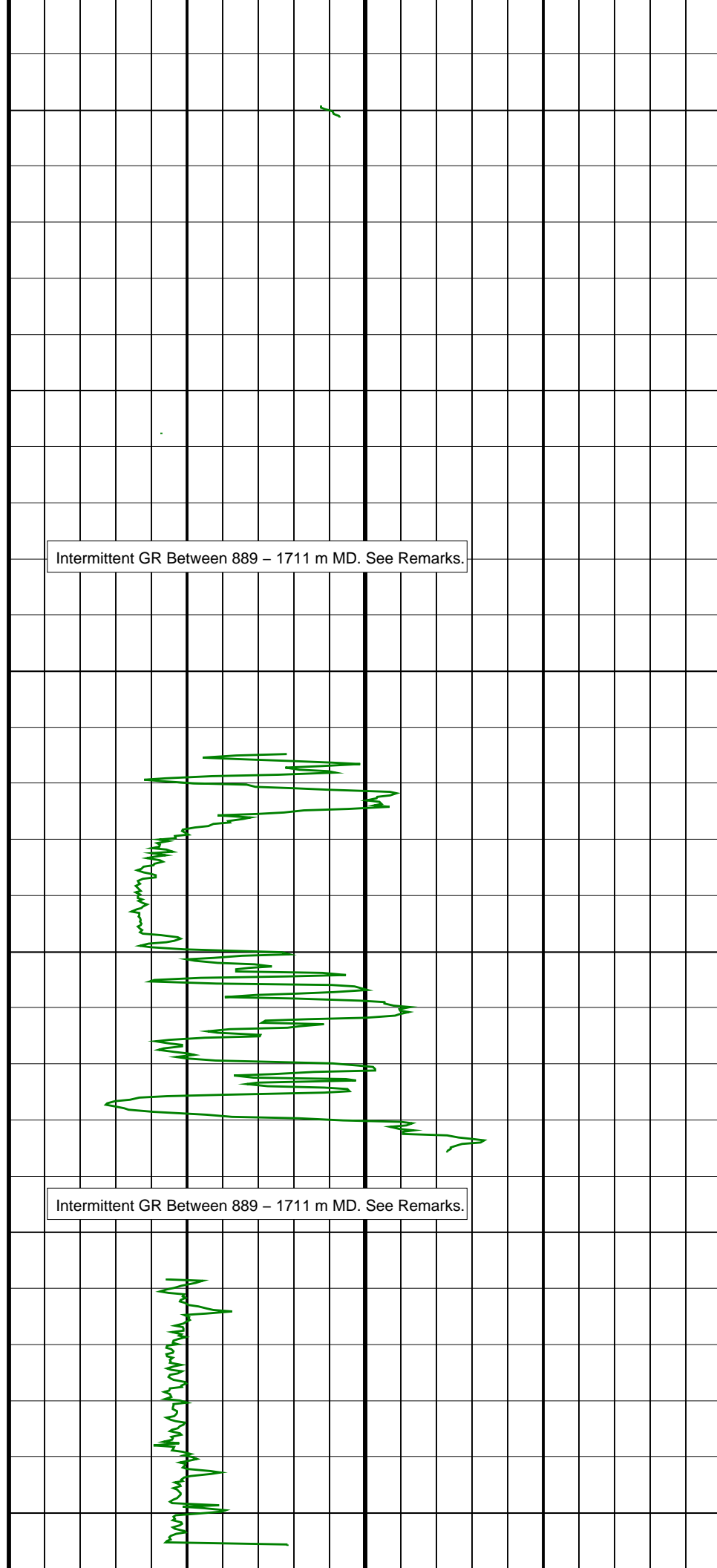
1600  
TVD

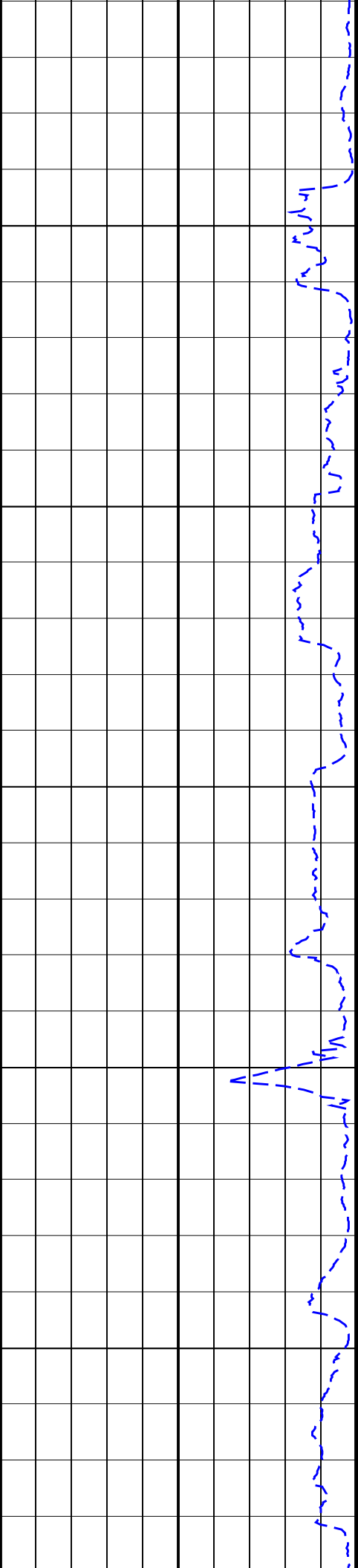
Intermittent GR Between 889 – 1711 m MD. See Remarks.

1650  
TVD

Intermittent GR Between 889 – 1711 m MD. See Remarks.

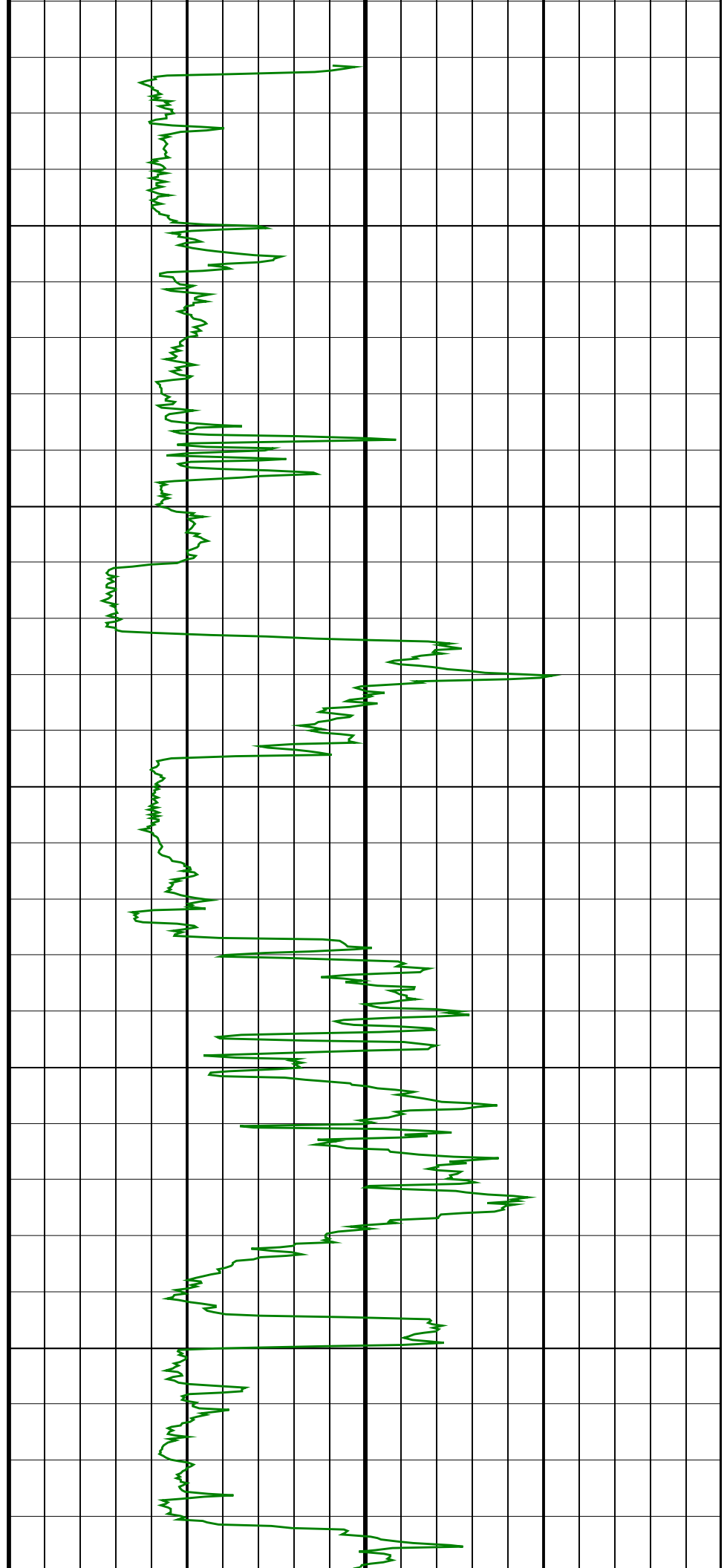
1700  
TVD

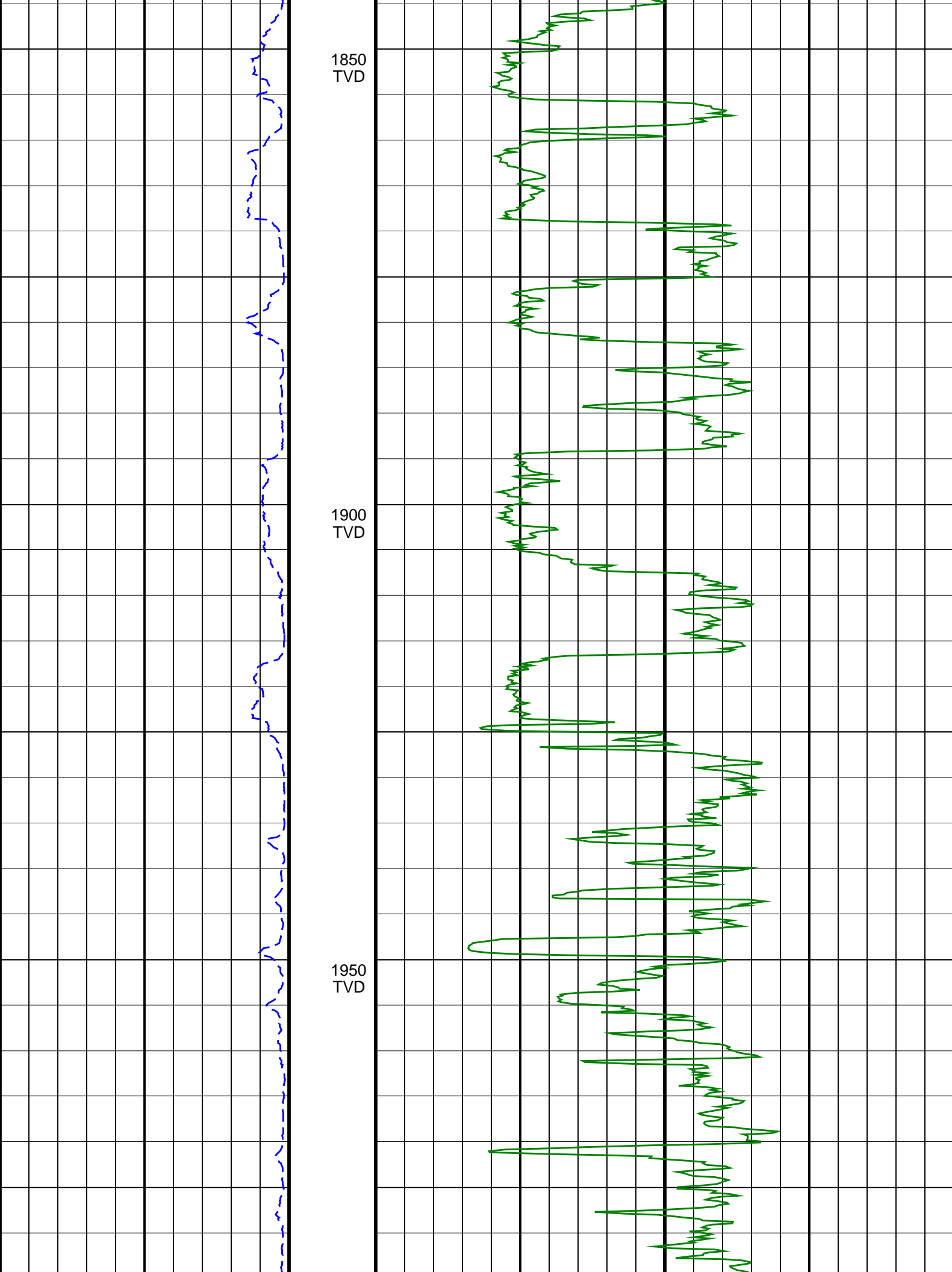




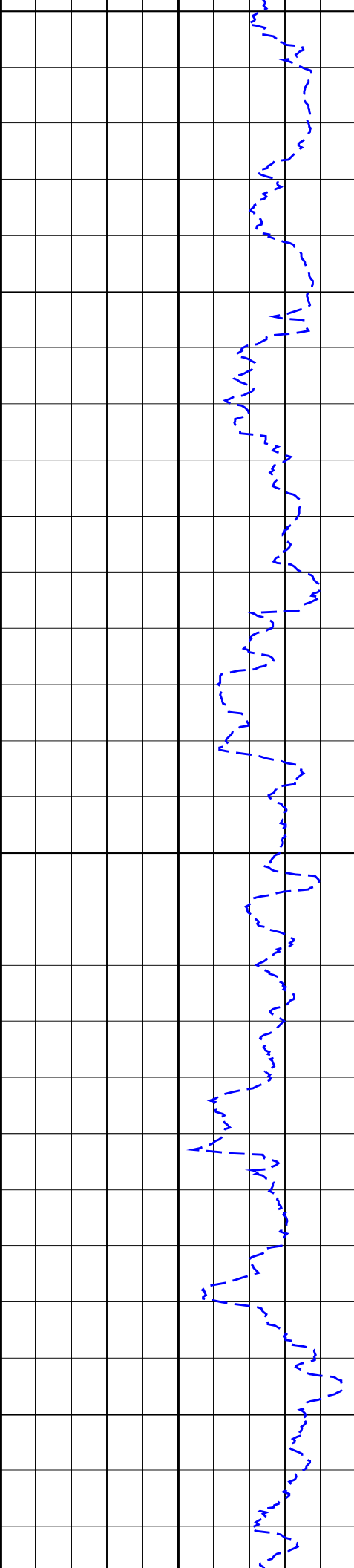
1750  
TVD

1800  
TVD





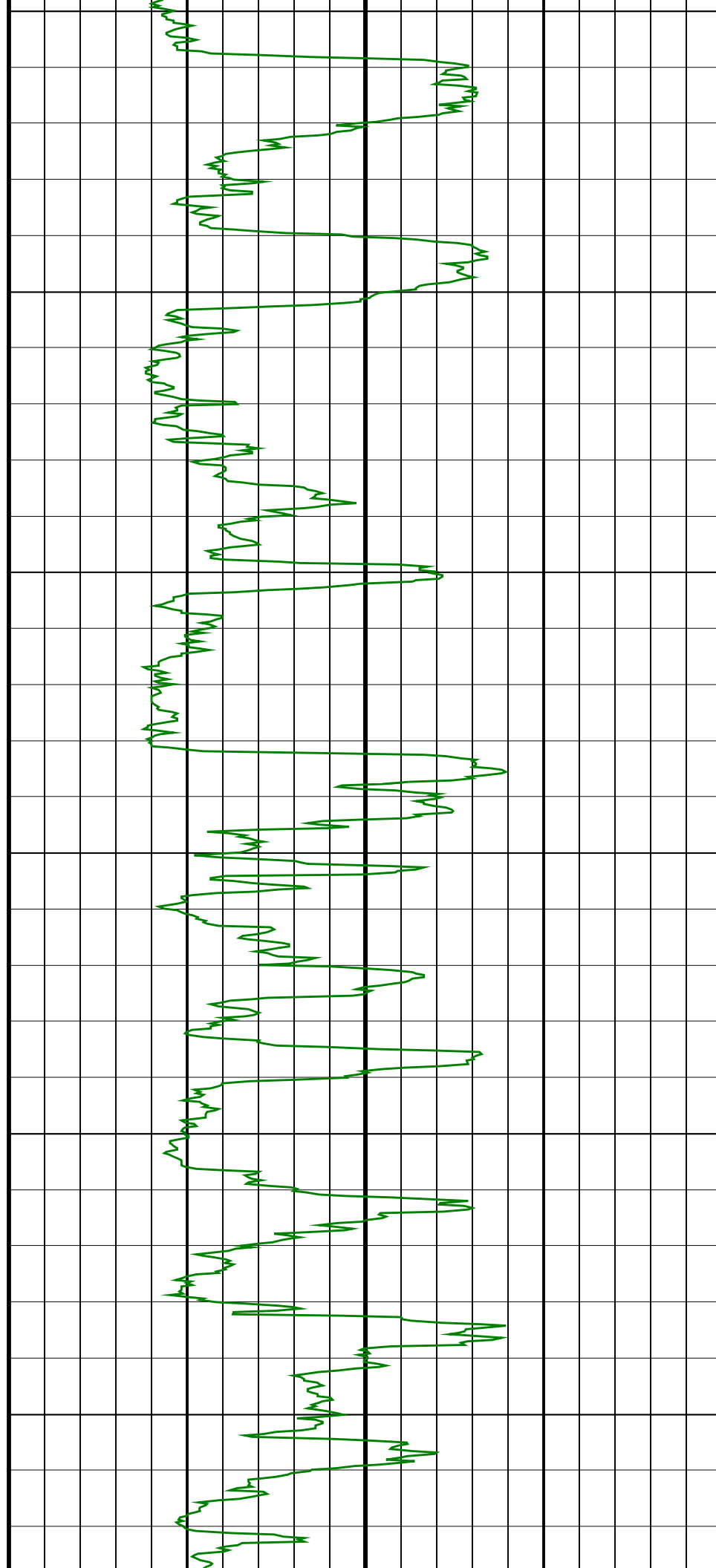


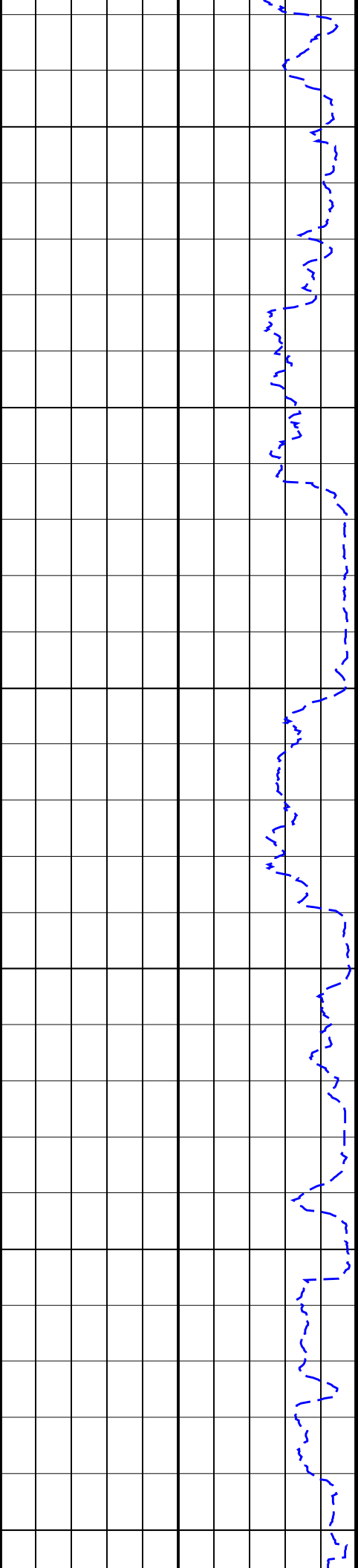


2150  
TVD

2200  
TVD

2250  
TVD

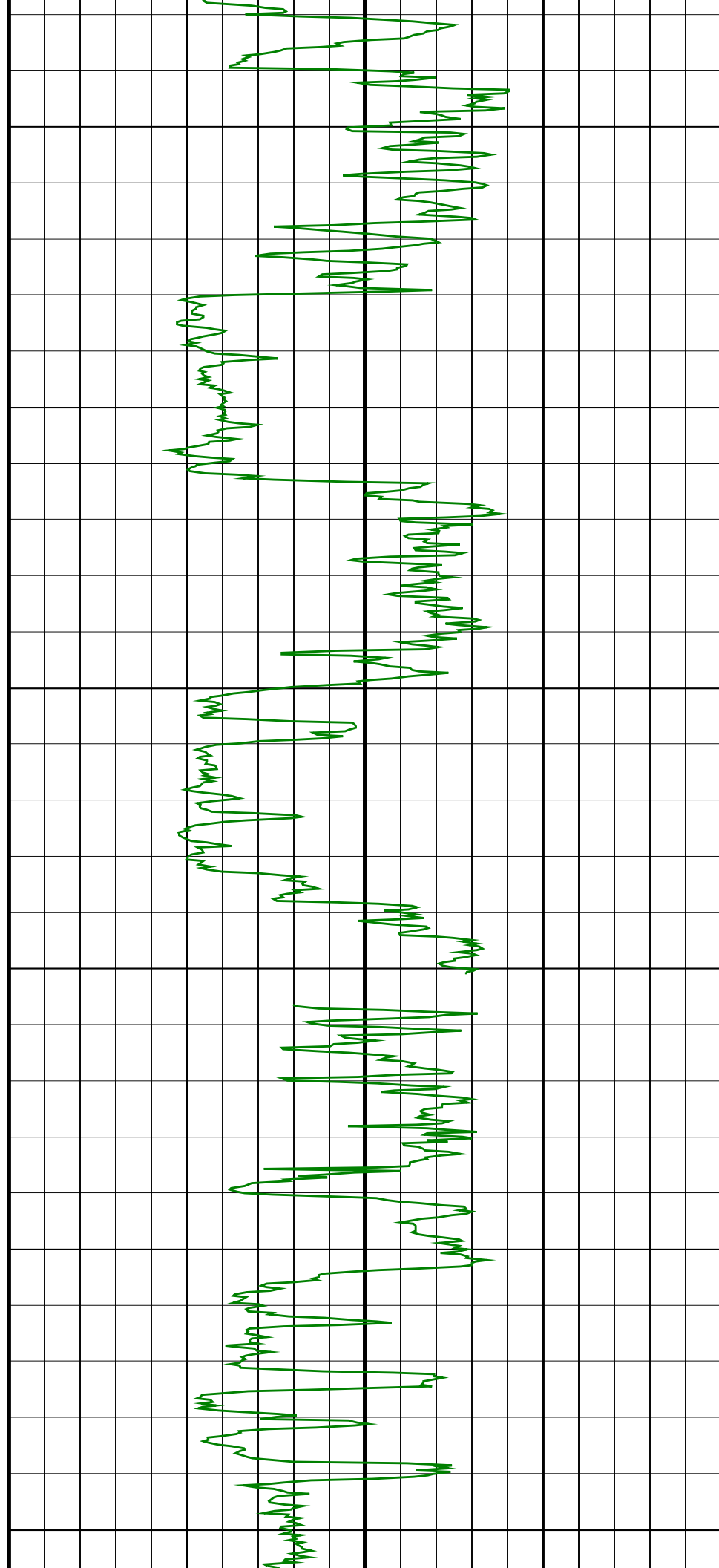


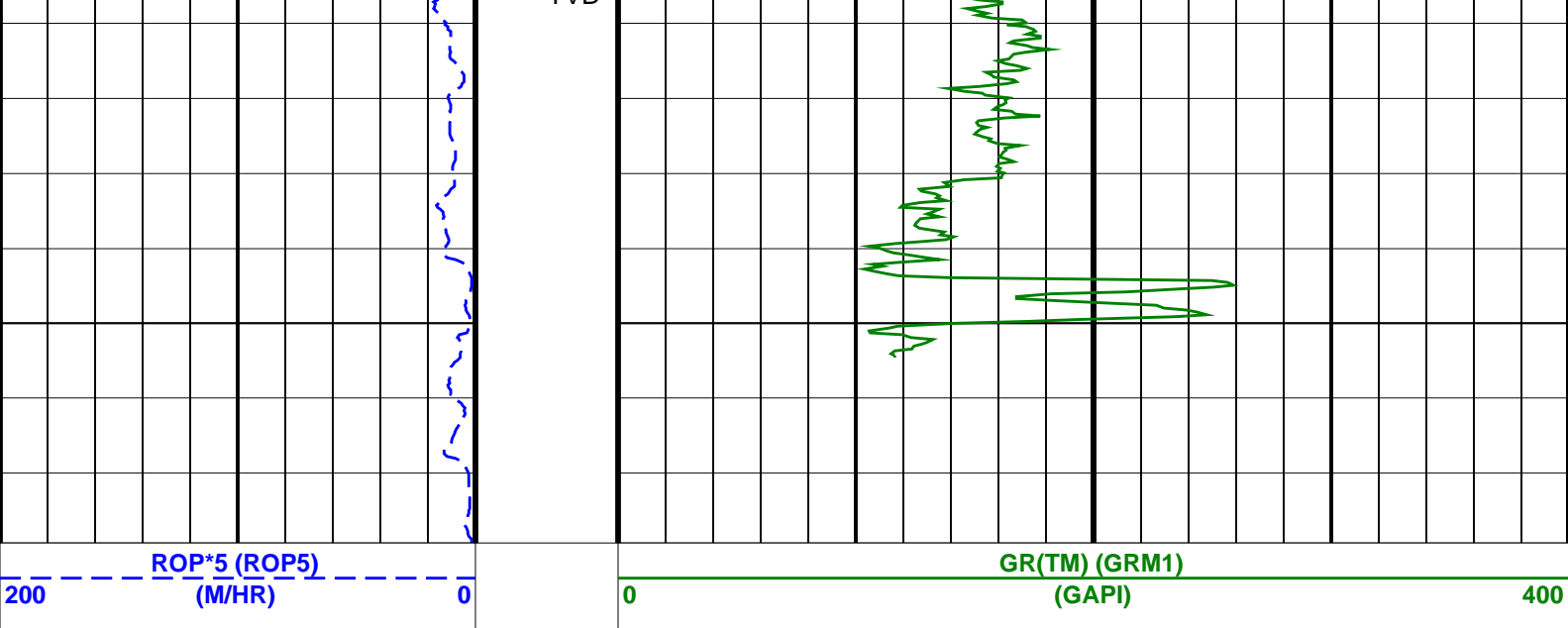


2300  
TVD

2350  
TVD

2400  
TVD





200	ROP*5 (ROP5) (M/HR)	0	0	GR(TM) (GRM1) (GAPI)	400
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SCHLUMBERGER

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Client.....: ESSO Australia Pty. Ltd.  
Field.....: Moonfish

Well.....: West Moonfish-1  
API number.....:  
Engineer.....: J.Dolan / M.Y.Tan

Rig.....: ENSCO 102  
STATE.....: Victoria

Spud date.....: 05-Jan-05  
Last survey date.....: 19-Jan-05  
Total accepted surveys...: 86  
MD of first survey.....: 0.00 m  
MD of last survey.....: 2532.00 m

----- Survey calculation methods-----  
Method for positions.....: Minimum curvature  
Method for DLS.....: Mason & Taylor

----- Depth reference -----  
Permanent datum.....: Mean Sea Level  
Depth reference.....: Driller's Depth  
GL above permanent.....: -52.12 m  
KB above permanent.....: Top Drive

----- Vertical section origin-----  
Latitude (+N/S-).....: 0.00 m  
Departure (+E/W-).....: 0.00 m

----- Platform reference point-----  
Latitude (+N/S-).....: 0.00 m  
Departure (+E/W-).....: 0.00 m

Azimuth from Vsect Origin to target: 171.73 degrees

----- Geomagnetic data -----  
Magnetic model.....: BGGM version 2004  
Magnetic date.....: 08-Jan-2005  
Magnetic field strength...: 1199.31 HCNT  
Magnetic dec (+E/W-).....: 13.04 degrees  
Magnetic dip.....: -68.70 degrees

----- MWD survey Reference Criteria -----  
Reference G.....: 1000.02 mGal  
  
Reference Dip.....: -68.70 degrees  
Tolerance of G.....: (+/-) 2.50 mGal  
Tolerance of H.....: (+/-) 6.00 HCNT  
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Corrections -----  
Magnetic dec (+E/W-).....: 13.04 degrees  
Grid convergence (+E/W-)..: -0.60 degrees  
Total az corr (+E/W-).....: 13.64 degrees  
(Total az corr = magnetic dec - grid conv)  
Survey Correction Type ...:  
I=Sag Corrected Inclination  
M=Schlumberger Magnetic Correction  
S=Shell Magnetic Correction  
F=Failed Axis Correction  
R=Magnetic Resonance Tool Correction  
D=Dmag Magnetic Correction

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SCHLUMBERGER Survey Report

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/ 10m)	Srvy tool type	Tool Corr (deg)
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIP	None
2	91.00	0.00	0.00	91.00	91.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD_M	None
3	181.88	0.35	328.21	90.88	181.88	-0.25	0.24	-0.15	0.28	328.21	0.04	MWD	None
4	209.79	0.46	330.61	27.91	209.79	-0.44	0.41	-0.25	0.47	328.78	0.04	MWD	None
5	238.18	0.46	334.44	28.39	238.18	-0.65	0.61	-0.35	0.70	329.99	0.01	MWD	None
6	266.14	0.41	322.98	27.96	266.14	-0.85	0.79	-0.46	0.91	329.77	0.04	MWD	None
7	294.58	0.45	330.64	28.44	294.58	-1.04	0.97	-0.58	1.13	329.25	0.02	MWD	None
8	323.45	0.47	319.47	28.87	323.45	-1.25	1.16	-0.71	1.36	328.51	0.03	MWD	None
9	352.76	0.37	334.57	29.31	352.75	-1.44	1.33	-0.83	1.57	328.19	0.05	MWD	None
10	381.80	0.35	324.72	29.04	381.79	-1.61	1.49	-0.92	1.75	328.35	0.02	MWD	None
11	411.24	0.31	328.91	29.44	411.23	-1.76	1.63	-1.01	1.92	328.21	0.02	MWD	None
12	440.44	0.31	306.16	29.20	440.43	-1.89	1.75	-1.12	2.07	327.41	0.04	MWD	None
13	469.19	0.35	319.12	28.75	469.18	-2.02	1.86	-1.24	2.23	326.36	0.03	MWD	None
14	498.06	0.33	320.27	28.87	498.05	-2.16	1.99	-1.35	2.40	325.89	0.01	MWD	None
15	526.97	0.37	310.22	28.91	526.96	-2.30	2.11	-1.47	2.58	325.15	0.03	MWD	None
16	555.67	0.28	328.64	28.70	555.66	-2.44	2.23	-1.58	2.74	324.74	0.05	MWD	None



17	584.65	0.30	319.14	28.98	584.64	-2.57	2.35	-1.67	2.88	324.69	0.02	MWD	None
18	613.64	0.26	310.54	28.99	613.63	-2.68	2.45	-1.77	3.02	324.24	0.02	MWD	None
19	642.62	0.21	308.91	28.98	642.61	-2.77	2.53	-1.86	3.14	323.70	0.02	MWD	None
20	671.64	0.18	340.56	29.02	671.63	-2.85	2.60	-1.91	3.23	323.69	0.04	MWD	None
21	700.59	0.24	324.48	28.95	700.58	-2.95	2.70	-1.96	3.34	323.93	0.03	MWD	None
22	716.66	0.28	343.92	16.07	716.65	-3.02	2.76	-1.99	3.41	324.17	0.06	MWD	None
23	760.72	0.35	341.43	44.06	760.71	-3.26	2.99	-2.07	3.64	325.37	0.02	MWD	None
24	789.81	0.37	350.28	29.09	789.80	-3.44	3.17	-2.11	3.81	326.33	0.02	MWD	None
25	818.90	0.39	345.99	29.09	818.89	-3.63	3.36	-2.15	3.99	327.36	0.01	MWD	None
26	848.10	0.45	351.62	29.20	848.09	-3.85	3.57	-2.19	4.19	328.44	0.02	MWD	None
27	877.05	0.38	344.38	28.95	877.04	-4.05	3.77	-2.23	4.38	329.37	0.03	MWD	None
28	906.37	0.28	0.58	29.32	906.36	-4.22	3.94	-2.26	4.54	330.16	0.05	MWD	None
29	935.33	0.35	12.98	28.96	935.32	-4.37	4.09	-2.24	4.67	331.33	0.03	MWD	None
30	964.33	0.27	17.88	29.00	964.31	-4.52	4.25	-2.20	4.78	332.63	0.03	MWD	None

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/ 10m)	Srvy tool type	Tool Corr (deg)
31	992.58	0.29	13.91	28.25	992.56	-4.64	4.38	-2.16	4.88	333.74	0.01	MWD	None
32	1021.76	0.36	9.73	29.18	1021.74	-4.80	4.54	-2.13	5.01	334.90	0.03	MWD	None
33	1050.63	0.30	18.15	28.87	1050.61	-4.95	4.70	-2.09	5.14	336.06	0.03	MWD	None
34	1079.82	0.33	13.33	29.19	1079.80	-5.10	4.86	-2.04	5.27	337.17	0.01	MWD	None
35	1108.59	0.28	27.98	28.77	1108.57	-5.23	5.00	-1.99	5.38	338.27	0.03	MWD	None
36	1137.86	0.28	33.98	29.27	1137.84	-5.34	5.12	-1.92	5.47	339.46	0.01	MWD	None
37	1166.83	0.29	28.94	28.97	1166.81	-5.46	5.24	-1.84	5.56	340.63	0.01	MWD	None
38	1195.74	0.29	56.71	28.91	1195.72	-5.54	5.35	-1.75	5.63	341.91	0.05	MWD	None
39	1224.73	0.34	48.47	28.99	1224.71	-5.62	5.45	-1.62	5.68	343.42	0.02	MWD	None
40	1253.76	0.28	53.99	29.03	1253.74	-5.70	5.54	-1.50	5.74	344.86	0.02	MWD	None
41	1282.95	0.28	76.24	29.19	1282.93	-5.74	5.60	-1.37	5.77	346.23	0.04	MWD	None
42	1312.43	0.35	69.81	29.48	1312.41	-5.77	5.65	-1.22	5.78	347.83	0.03	MWD	None
43	1341.45	0.49	75.67	29.02	1341.43	-5.80	5.71	-1.02	5.80	349.92	0.05	MWD	None
44	1370.44	0.54	77.71	28.99	1370.42	-5.82	5.77	-0.76	5.82	352.48	0.02	MWD	None
45	1399.38	0.57	80.90	28.94	1399.36	-5.83	5.82	-0.49	5.84	355.23	0.01	MWD	None
46	1428.34	0.57	72.23	28.96	1428.31	-5.86	5.89	-0.21	5.90	357.99	0.03	MWD	None
47	1457.45	0.71	75.91	29.11	1457.42	-5.90	5.98	0.11	5.98	1.02	0.05	MWD	None
48	1486.39	0.67	81.34	28.94	1486.36	-5.92	6.05	0.45	6.07	4.23	0.03	MWD	None
49	1515.33	0.64	84.68	28.94	1515.30	-5.91	6.09	0.78	6.14	7.26	0.02	MWD	None
50	1544.31	0.58	114.39	28.98	1544.28	-5.83	6.04	1.07	6.14	10.04	0.11	MWD	None
51	1573.33	0.68	130.93	29.02	1573.30	-5.62	5.87	1.33	6.02	12.80	0.07	MWD	None
52	1602.43	0.81	124.83	29.10	1602.39	-5.35	5.64	1.63	5.87	16.15	0.05	MWD	None
53	1630.64	0.88	126.64	28.21	1630.60	-5.06	5.40	1.97	5.74	20.06	0.03	MWD	None
54	1659.72	0.73	120.96	29.08	1659.68	-4.78	5.17	2.31	5.66	24.07	0.06	MWD	None
55	1688.54	0.77	115.92	28.82	1688.49	-4.56	4.99	2.64	5.64	27.89	0.03	MWD	None
56	1716.29	1.42	170.03	27.75	1716.24	-4.11	4.57	2.87	5.39	32.12	0.42	MWD	None
57	1747.14	3.39	168.14	30.85	1747.06	-2.82	3.30	3.12	4.54	43.41	0.64	MWD	None
58	1776.39	6.07	175.23	29.25	1776.21	-0.41	0.91	3.43	3.55	75.11	0.94	MWD	None
59	1803.97	9.73	177.60	27.58	1803.52	3.37	-2.87	3.65	4.64	128.22	1.33	MWD	None
60	1833.36	13.39	175.76	29.39	1832.31	9.23	-8.75	4.00	9.62	155.42	1.25	MWD	None

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/ 10m)	Srvy tool type	Tool Corr (deg)
61	1863.43	16.85	168.96	30.07	1861.34	17.06	-16.50	5.09	17.27	162.84	1.29	MWD	None
62	1892.32	20.05	169.00	28.89	1888.74	26.19	-25.47	6.84	26.38	164.97	1.11	MWD	None
63	1921.31	23.60	171.03	28.99	1915.65	36.96	-36.09	8.70	37.12	166.45	1.25	MWD	None
64	1950.39	26.42	171.08	29.08	1942.00	49.26	-48.23	10.61	49.38	167.60	0.97	MWD	None
65	1980.01	28.74	171.62	29.62	1968.25	62.97	-61.79	12.67	63.07	168.42	0.79	MWD	None
66	2008.88	30.11	172.21	28.87	1993.40	77.15	-75.83	14.66	77.24	169.06	0.49	MWD	None
67	2037.15	31.81	172.17	28.27	2017.64	91.69	-90.24	16.64	91.76	169.55	0.60	MWD	None
68	2051.91	33.50	172.13	14.76	2030.06	99.66	-98.13	17.72	99.72	169.76	1.15	MWD	None
69	2066.15	33.78	171.23	14.24	2041.92	107.55	-105.93	18.87	107.60	169.90	0.40	MWD	None
70	2095.12	33.12	171.96	28.97	2066.09	123.51	-121.73	21.20	123.56	170.12	0.27	MWD	None
71	2124.15	33.36	172.51	29.03	2090.37	139.43	-137.50	23.35	139.47	170.36	0.13	MWD	None
72	2153.24	33.01	172.88	29.09	2114.72	155.35	-153.29	25.38	155.38	170.60	0.14	MWD	None
73	2181.81	32.54	173.18	28.56	2138.73	170.80	-168.64	27.25	170.82	170.82	0.17	MWD	None
74	2210.92	31.59	173.23	29.12	2163.41	186.26	-183.99	29.08	186.27	171.02	0.33	MWD	None
75	2240.12	31.28	173.54	29.20	2188.32	201.48	-199.11	30.84	201.49	171.20	0.12	MWD	None
76	2268.93	31.04	173.24	28.81	2212.98	216.38	-213.92	32.55	216.38	171.35	0.10	MWD	None
77	2298.13	31.01	173.23	29.20	2238.00	231.42	-228.87	34.32	231.43	171.47	0.01	MWD	None
78	2327.14	30.80	172.89	29.01	2262.89	246.32	-243.66	36.12	246.32	171.57	0.09	MWD	None
79	2356.90	30.47	172.50	29.76	2288.50	261.48	-258.70	38.05	261.48	171.63	0.13	MWD	None
80	2385.70	30.69	172.74	28.80	2313.29	276.13	-273.23	39.93	276.13	171.68	0.09	MWD	None
81	2414.71	30.89	172.94	29.01	2338.21	290.98	-287.96	41.78	290.98	171.74	0.08	MWD	None
82	2443.86	30.53	172.62	29.15	2363.27	305.86	-302.73	43.66	305.86	171.79	0.14	MWD	None
83	2472.51	30.38	172.52	28.65	2387.97	320.38	-317.13	45.53	320.38	171.83	0.06	MWD	None
84	2500.10	30.49	173.16	27.59	2411.76	334.36	-331.00	47.28	334.36	171.87	0.12	MWD	None
85	2513.76	30.10	173.67	13.66	2423.55	341.24	-337.84	48.07	341.25	171.90	0.34	MWD	None
86	2532.00	30.10	173.70	18.24	2439.33	350.39	-346.94	49.07	350.39	171.95	0.01	Projection To CSG Point	

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**Company: ESSO Australia Pty. Ltd.**

**Schlumberger**

**Well: West Moonfish-1**

**Field: Moonfish**

**Rig: ENSCO 102**

**12.25 in. Section**

**State: Victoria**

**PowerPulse\* Gamma Ray  
1:500 True Vertical Depth  
Real Time Log**