

Recorded Mode

Country: The Netherlands

Company: Trias Westland B.V.

Well: NLW-GT-02-S1

Field: Naaldwijk

Rig Name: KCA Deutag T-207

Country: The Netherlands

Latitude: 51° 59' 26.962" N

UWID: 17HOL0035

Longitude: 4° 14' 22.357" E

Rig Name: KCA Deutag T-207

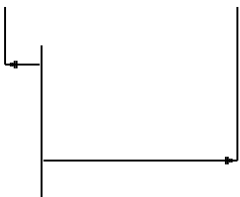
Rig Type: Land Rig

FL: NLW-GT-02-S1

FL1: Section: 12 1/4 in.

FL2: Job no.: 17HOL0035

Log Measured From: - Drill Floor: 8.42 m

Reference Datum - Mean Sea Level/Permanent Datum: - NAP
Ground Level: 0.90 m

Acquisition Dates: 24-Apr-2018 -- 28-Apr-2018

Other Services:

Log Interval: 2261.69(m)TVD -- 2526.30(m) TVD

Direction & Inclination (Surveys)

Index Types: True Vertical Depth

Directional Drilling

Index Scales: 1:200, 1:1000

Depth Source: Driller's Depth

Depth Sensor: 3rd Party Depth

Print Type: Final

Spud Date: 08-Mar-2018

Disclaimer

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Contents

1. Header
2. Disclaimer
3. Contents
4. Well Sketch
5. Borehole Size/Casing/Tubing Record
6. Operational Run Summary
7. Borehole Fluids
8. Remarks and Equipment Summary
9. Survey Record
10. 12.25 in. Section MWD - Gamma Ray 1:200 TVD
 - 10.1 Integration Summary
 - 10.2 Software Version
 - 10.3 Composite Summary
 - 10.4 Log (GR MWD and PD no ticks)
11. 12.25 in. Section MWD - Gamma Ray 1:1000 TVD
 - 11.1 Integration Summary
 - 11.2 Composite Summary

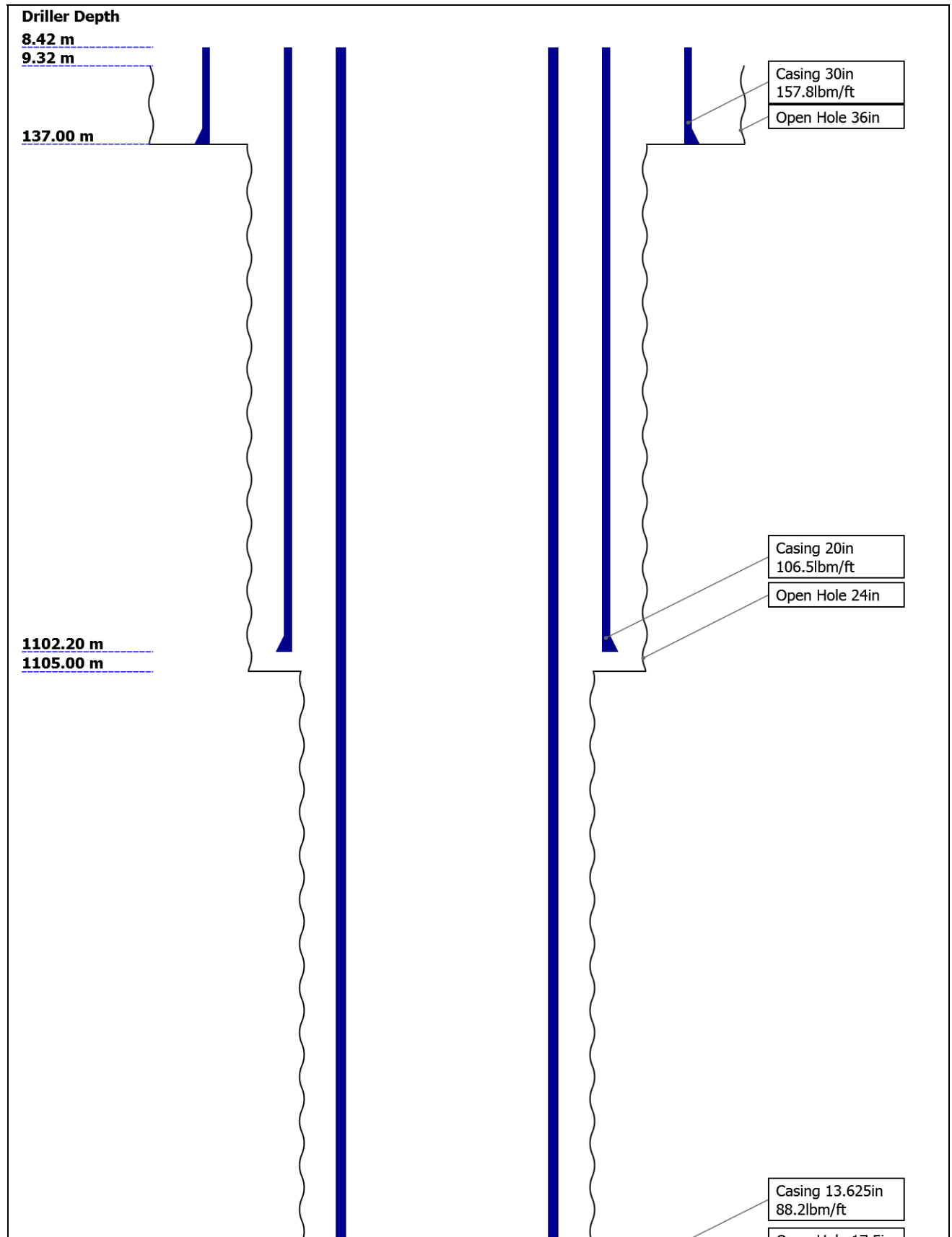
11.3 Log (GR MWD and PD no ticks)

11.4 Parameter Listing

12. Calibration Report

13. Tail

Well Sketch



2376.50 m

2385.00 m

2680.00 m

Open Hole 12.25in

Open Hole 17.5in

Borehole Size/Casing Record

Bit						
Bit Size (in)	36	24	17.5	12.25		
Top Driller (m)	9.32	137	1105	2385		
Bottom Driller (m)	137	1105	2385	2680		
Casing						
Size (in)	30	20	13.625			
Weight (lbm/ft)	157.8	106.5	88.2			
Inner Diameter (in)	29.021	19	12.375			
Grade	X52	K55	L80			
Top Driller (m)	8.42	8.42	8.42			
Bottom Driller (m)	137	1102.2	2376.5			


Operational Run Summary

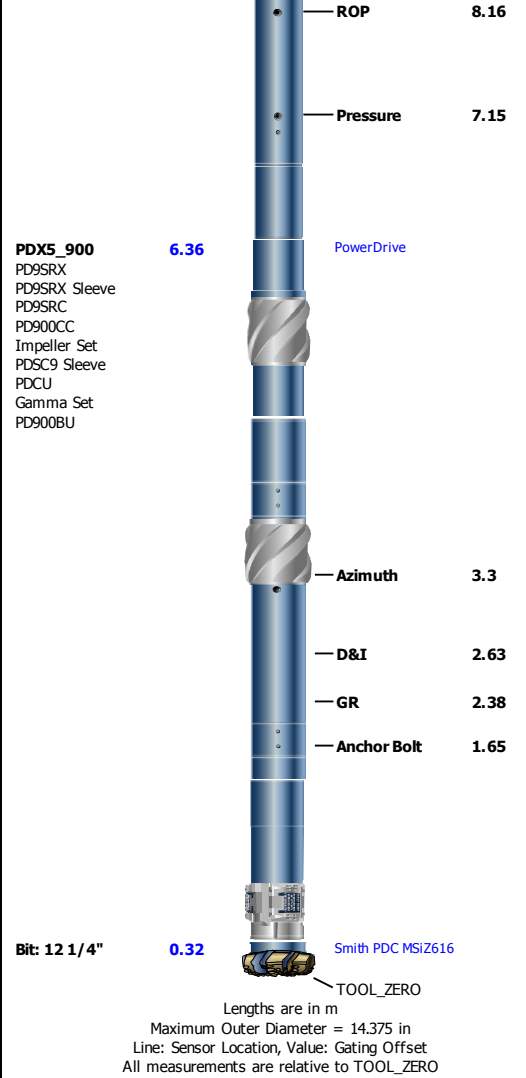
Parameter (unit)	Run 6					
Date Log Started	23-Apr-2018					
Time Log Started	20:41:53					
Date Log Finished	28-Apr-2018					
Time Log Finished	03:29:46					
Bit Size (in)	12.250					
Bit Start Depth (m)	2385.00					
Bit Stop Depth (m)	2680.00					
Top Log Interval (m)	2336.30					
Bottom Log Interval (m)	2669.90					
Max Hole Deviation (deg)	45.26					
Azimuth of Max Deviation (deg)	107.83					
Logging Unit Number	N/A					
Logging Unit Location						
Recorded By	I.Urazina					
Witnessed By	K.Gollob					
Service Order Number	17HOL0035					

Borehole Fluids

Parameter(unit)	Run 6					
Fluid Type	Water					
Fluid Name	KCl/Polymer					
Max Recorded Temperatures (degC)	71.4					
Source of Sample	Active Tank					
Salinity (ppm)	34972.18					
Density (g/cm3)	1.13					
Funnel Viscosity (s)						
Fluid Loss (cm3)	3					
PH	9.5					
Source RMF						
RMC	Pressed					
RM @ Meas Temp (ohm.m@degC)	0.2 @ 20					
RMF @ Meas Temp (ohm.m@degC)	0.15 @ 20					
RMC @ Meas Temp (ohm.m@degC)						
RM @ BHT (ohm.m@degC)	0.07 @ 71.4					
RMF @ BHT (ohm.m@degC)	0.05 @ 71.4					
RMC @ BHT (ohm.m@degC)	NaN @ 71.4					
Total Solid (%)						
High Gravity Solids (%)						

Remarks and Equipment Summary

Run 6: Toolstring	Run 6: Remarks	
<div> <div> <div>Equip name</div> <div>NM Stab: 8 1/4":2 804</div> </div> <div> <div>Length</div> <div>16.58</div> </div> <div>  </div> <div> <div>MP name</div> <div>12 3/32 in Non-Mag Stabilizer</div> </div> <div> <div>Offset</div> <div></div> </div> </div>	All depths referenced to driller's depth. See EOWR for depth tracking details.	
	All data from tool memory. All data acquired while drilling.	
	Gamma Ray measurement is environmentally corrected for mud weight, bit size, collar thickness and Potassium content.	
	Run 6 and 12 1/4 in. section TD at 2680 m.	
<div> <div>X/O: 8 1/4":4126</div> <div>15.62</div> </div> <div> <div>Non-Mag X-Over</div> </div> <div> <div>TELE825:G4203</div> <div>14.76</div> </div> <div> <div>MSSU825:85397</div> <div>Upper Extender:aa U</div> <div>KA027</div> <div>MDC825:G4203</div> <div>MMA:704</div> <div>MDI:3711</div> <div>PMGR:1103</div> <div>PMEA:3711</div> <div>MTA:3446</div> <div>MTK825:2761</div> <div>APWD</div> <div>MSSD825:89142</div> <div>Lower Extender, Long</div> </div> <div> <div>D&I</div> <div>10.51</div> </div> <div> <div>GR</div> <div>9.86</div> </div>		



Survey Record

Survey Calculation

Method :	Minimum Radius of Curvature	DLS Method :	Lubinski
North Reference :	Grid North	Total Correction Formula :	Magnetic Dec - Grid Convergence
Grid Convergence :	-0.91 deg		

Rig Location

Latitude :	51° 59' 26.962" N	Longitude :	4° 14' 22.357" E
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Tie In Point

Measured Depth:	0.00 m	Inclination:	0.00 deg	Azimuth:	0.00 deg
True Vertical Depth:	0.00 m	North Displacement:	0.00 m	East Displacement:	0.00 m
N-S VSec Origin:	0.00 m	E-W VSec Origin:	0.00 m	Vertical Section Azimuth:	107.44 deg

D&I Inits Computed and Values Used - Run 1

Geomagnetic Model :	HDGM 2017	Geomagnetic Date :	04-Feb-2018
Computed Location B :	49041.00 nT +/- 300.00nT	Used Location B :	49039.64 nT +/- 300.00nT
Computed Location G :	1000.60 mgn +/- 2.50mgn	Used Location G :	1000.58 mgn +/- 2.50mgn
Computed Magnetic Dip :	67.07 deg +/- 0.45deg	Used Magnetic Dip :	67.07 deg +/- 0.45deg
Computed Magnetic Dec :	1.10 deg	Used Magnetic Dec :	1.10 deg
Computed Total Correction :	2.01 deg	Used Total Correction :	2.01 deg

D&I Inits Computed and Values Used - Run 2

Geomagnetic Model :	HDGM 2017	Geomagnetic Date :	04-Feb-2018
Computed Location B :	49041.00 nT +/- 300.00nT	Used Location B :	49039.64 nT +/- 300.00nT
Computed Location G :	1000.60 mgn +/- 2.50mgn	Used Location G :	1000.58 mgn +/- 2.50mgn
Computed Magnetic Dip :	67.07 deg +/- 0.45deg	Used Magnetic Dip :	67.07 deg +/- 0.45deg
Computed Magnetic Dec :	1.10 deg	Used Magnetic Dec :	1.10 deg
Computed Total Correction :	2.01 deg	Used Total Correction :	2.01 deg

D&I Inits Computed and Values Used - Run 3

Geomagnetic Model :	BGGM 2017	Geomagnetic Date :	13-Apr-2018
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Computed Location B :		49031.82 nT +/- 300.00nT				Used Location B :		49039.64 nT +/- 300.00nT							
Computed Location G :		1000.60 mgn +/- 2.50mgn				Used Location G :		1000.58 mgn +/- 2.50mgn							
Computed Magnetic Dip :		67.07 deg +/- 0.45deg				Used Magnetic Dip :		67.07 deg +/- 0.45deg							
Computed Magnetic Dec :		1.07 deg				Used Magnetic Dec :		1.10 deg							
Computed Total Correction :		1.98 deg				Used Total Correction :		2.01 deg							
D&I Inits Computed and Values Used - Run 6															
Geomagnetic Model :		HDGM 2017				Geomagnetic Date :		04-Feb-2018							
Computed Location B :		49041.00 nT +/- 300.00nT				Used Location B :		49039.64 nT +/- 300.00nT							
Computed Location G :		1000.60 mgn +/- 2.50mgn				Used Location G :		1000.58 mgn +/- 2.50mgn							
Computed Magnetic Dip :		67.07 deg +/- 0.45deg				Used Magnetic Dip :		67.07 deg +/- 0.45deg							
Computed Magnetic Dec :		1.10 deg				Used Magnetic Dec :		1.10 deg							
Computed Total Correction :		2.01 deg				Used Total Correction :		2.01 deg							
Survey Quality Index															
0 : Long Survey passed all criteria				2 : Long Survey failed mag criteria				9 : Manual							
28 : Tie-In Point															
Survey Correction Index															
0 : No correction															
Survey Description Index															
0 : Not Flagged Survey															
Seq	MD (m)	Incl (deg)	Azim (deg)	Course (m)	TVD (m)	V Sec (m)	N/ -S (m)	E/ -W (m)	Closure (m)	at Azim (deg)	DLS deg/30m	Tool Type	QI	CI	DI
1	0.00	0.00	0.00	- - - -	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP	28	0	0
2	9.32	0.00	0.00	9.32	9.32	0.00	0.00	0.00	0.00	90.00	0.00	TeleScope	9	0	0
3	143.59	2.13	43.05	134.27	143.56	1.08	1.82	1.70	2.50	43.05	0.48	TeleScope	9	0	0
4	171.48	2.43	60.83	27.89	171.43	1.71	2.49	2.57	3.58	45.94	0.82	TeleScope	9	0	0
5	200.72	4.05	79.42	29.24	200.62	3.05	2.98	4.13	5.09	54.17	1.96	TeleScope	9	0	0
6	228.81	5.71	88.57	28.09	228.61	5.24	3.20	6.50	7.25	63.80	1.95	TeleScope	9	0	0
7	256.86	7.22	88.59	28.05	256.48	8.23	3.28	9.66	10.20	71.26	1.61	TeleScope	9	0	0
8	284.90	6.54	86.73	28.04	284.32	11.39	3.41	13.02	13.46	75.31	0.77	TeleScope	9	0	0
9	312.51	7.69	90.35	27.61	311.71	14.63	3.49	16.43	16.80	78.01	1.34	TeleScope	9	0	0
10	340.21	8.35	88.51	27.70	339.14	18.31	3.53	20.30	20.60	80.13	0.77	TeleScope	9	0	0
11	368.61	9.23	88.49	28.40	367.21	22.41	3.64	24.63	24.90	81.58	0.93	TeleScope	9	0	0
12	396.44	10.38	94.74	27.83	394.63	26.97	3.50	29.36	29.57	83.21	1.69	TeleScope	9	0	0
13	424.21	12.96	99.87	27.77	421.83	32.50	2.76	34.93	35.04	85.49	3.00	TeleScope	9	0	0
14	451.76	12.67	105.98	27.55	448.69	38.58	1.39	40.88	40.90	88.05	1.51	TeleScope	9	0	0
15	480.28	11.94	107.66	28.52	476.56	44.66	-0.36	46.69	46.70	90.44	0.86	TeleScope	9	0	0
16	508.01	13.16	109.74	27.73	503.62	50.68	-2.30	52.40	52.45	92.51	1.41	TeleScope	9	0	0
17	536.29	14.17	112.19	28.28	531.10	57.34	-4.69	58.63	58.82	94.58	1.23	TeleScope	9	0	0
18	564.31	13.91	113.38	28.02	558.29	64.11	-7.32	64.90	65.31	96.44	0.42	TeleScope	9	0	0
19	592.18	13.35	112.05	27.87	585.37	70.65	-9.86	70.96	71.64	97.91	0.69	TeleScope	9	0	0
20	620.05	13.22	112.05	27.87	612.50	77.04	-12.27	76.89	77.87	99.06	0.14	TeleScope	9	0	0
21	647.70	13.00	112.85	27.65	639.42	83.28	-14.66	82.69	83.98	100.05	0.31	TeleScope	9	0	0
22	675.87	12.87	114.06	28.17	666.88	89.55	-17.17	88.47	90.13	100.98	0.32	TeleScope	9	0	0
23	703.90	12.21	116.00	28.03	694.24	95.59	-19.74	93.99	96.04	101.86	0.84	TeleScope	9	0	0
24	731.75	12.74	114.18	27.85	721.43	101.55	-22.29	99.44	101.91	102.64	0.71	TeleScope	9	0	0
25	759.59	13.16	114.62	27.84	748.57	107.74	-24.87	105.12	108.02	103.31	0.46	TeleScope	9	0	0
26	787.98	12.93	114.75	28.39	776.22	114.10	-27.54	110.94	114.31	103.94	0.25	TeleScope	9	0	0
27	815.95	11.86	114.15	27.97	803.54	120.06	-30.03	116.41	120.22	104.47	1.16	TeleScope	9	0	0
28	843.88	11.35	114.64	27.93	830.90	125.63	-32.35	121.52	125.76	104.91	0.56	TeleScope	9	0	0
29	871.83	11.35	114.42	27.95	858.30	131.09	-34.63	126.53	131.18	105.31	0.05	TeleScope	9	0	0
30	899.31	11.26	114.67	27.48	885.25	136.44	-36.87	131.43	136.50	105.67	0.11	TeleScope	9	0	0
31	927.06	11.07	115.71	27.75	912.47	141.76	-39.16	136.29	141.80	106.03	0.30	TeleScope	9	0	0
32	955.25	10.73	115.25	28.19	940.16	147.04	-41.45	141.10	147.07	106.37	0.37	TeleScope	9	0	0

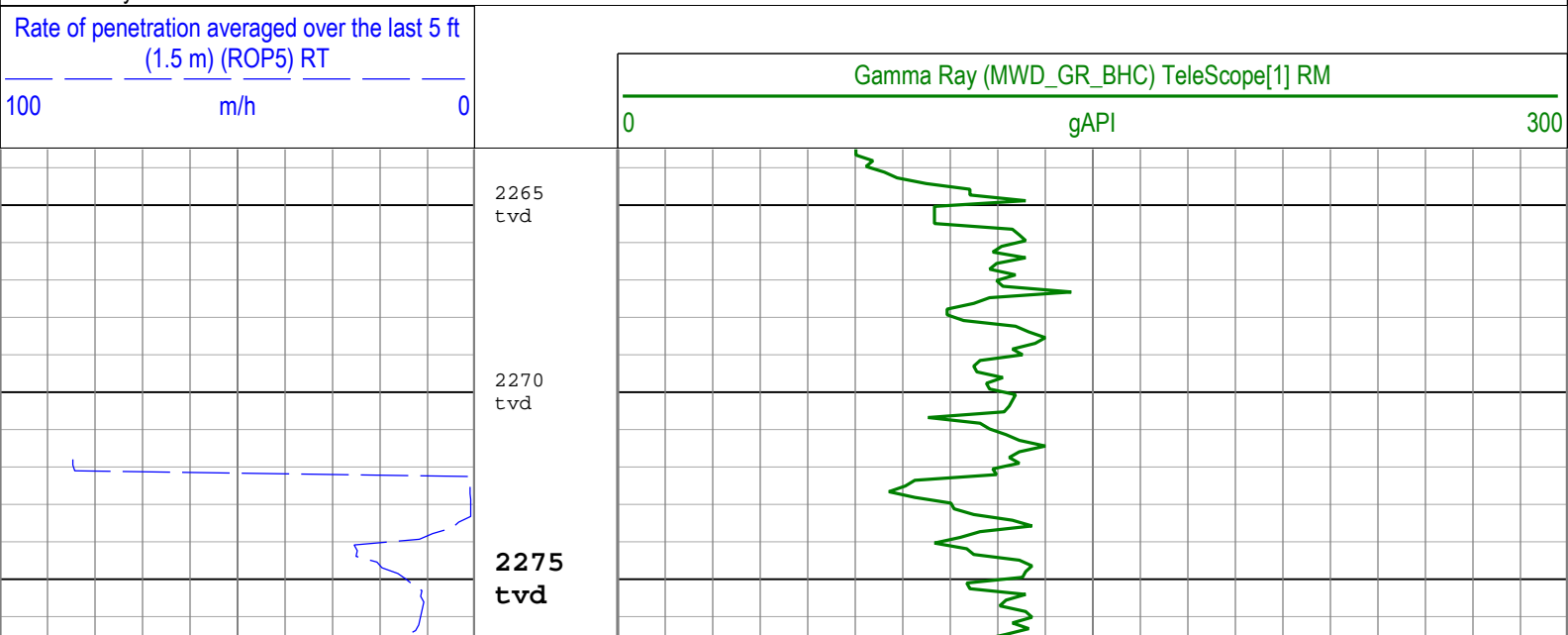
33	983.37	10.05	119.06	28.12	967.82	152.04	-43.76	145.61	152.05	106.73	1.03	TeleScope	9	0	0
34	1011.38	9.28	117.91	28.01	995.43	156.65	-46.01	149.75	156.65	107.08	0.85	TeleScope	9	0	0
35	1038.94	8.90	120.58	27.56	1022.64	160.91	-48.13	153.55	160.91	107.40	0.62	TeleScope	9	0	0
36	1067.19	8.20	121.84	28.25	1050.58	164.99	-50.30	157.14	164.99	107.75	0.77	TeleScope	9	0	0
37	1087.46	8.01	119.22	20.27	1070.64	167.77	-51.76	159.60	167.78	107.97	0.61	TeleScope	9	0	0
38	1111.90	7.85	120.24	24.44	1094.85	171.07	-53.43	162.53	171.08	108.20	0.26	TeleScope	2	0	0
39	1139.92	7.52	120.73	28.02	1122.62	174.72	-55.33	165.76	174.75	108.46	0.36	TeleScope	0	0	0
40	1167.90	7.17	121.55	27.98	1150.37	178.19	-57.18	168.82	178.24	108.71	0.40	TeleScope	0	0	0
41	1195.69	6.81	122.09	27.79	1177.95	181.47	-58.96	171.69	181.53	108.95	0.39	TeleScope	0	0	0
42	1223.97	6.52	122.51	28.28	1206.04	184.64	-60.71	174.46	184.72	109.19	0.31	TeleScope	0	0	0
43	1251.62	6.39	121.55	27.65	1233.52	187.64	-62.36	177.10	187.75	109.40	0.18	TeleScope	0	0	0
44	1279.60	8.06	120.21	27.98	1261.27	191.07	-64.16	180.12	191.21	109.61	1.80	TeleScope	2	0	0
45	1307.40	11.15	117.42	27.80	1288.68	195.62	-66.38	184.19	195.79	109.82	3.36	TeleScope	0	0	0
46	1336.11	13.30	117.14	28.71	1316.74	201.61	-69.17	189.59	201.82	110.04	2.26	TeleScope	0	0	0
47	1363.50	13.32	117.44	27.39	1343.39	207.82	-72.06	195.20	208.08	110.26	0.08	TeleScope	0	0	0
48	1391.19	12.90	117.05	27.69	1370.36	214.01	-74.94	200.78	214.31	110.47	0.47	TeleScope	0	0	0
49	1419.25	13.05	115.01	28.06	1397.70	220.24	-77.70	206.45	220.58	110.62	0.52	TeleScope	0	0	0
50	1447.01	12.97	110.28	27.76	1424.75	226.46	-80.11	212.21	226.83	110.68	1.16	TeleScope	0	0	0
51	1474.91	12.95	105.31	27.90	1451.94	232.72	-82.02	218.16	233.07	110.60	1.20	TeleScope	0	0	0
52	1503.47	13.10	101.61	28.56	1479.77	239.13	-83.51	224.42	239.46	110.41	0.89	TeleScope	0	0	0
53	1531.37	13.21	102.86	27.90	1506.94	245.46	-84.86	230.63	245.74	110.20	0.33	TeleScope	0	0	0
54	1559.39	13.28	104.61	28.02	1534.21	251.86	-86.38	236.86	252.12	110.04	0.44	TeleScope	0	0	0
55	1587.32	13.31	105.25	27.93	1561.39	258.28	-88.04	243.07	258.52	109.91	0.16	TeleScope	0	0	0
56	1615.16	12.95	107.24	27.84	1588.50	264.60	-89.81	249.14	264.83	109.82	0.62	TeleScope	0	0	0
57	1643.29	12.58	108.43	28.13	1615.94	270.82	-91.71	255.05	271.04	109.78	0.48	TeleScope	0	0	0
58	1671.20	12.65	107.90	27.91	1643.17	276.91	-93.61	260.85	277.14	109.74	0.15	TeleScope	0	0	0
59	1698.86	12.73	106.04	27.66	1670.16	282.99	-95.38	266.66	283.21	109.68	0.45	TeleScope	0	0	0
60	1726.79	12.69	104.12	27.93	1697.40	289.13	-96.98	272.59	289.33	109.58	0.46	TeleScope	0	0	0
61	1754.74	12.86	103.51	27.95	1724.66	295.29	-98.46	278.59	295.48	109.46	0.24	TeleScope	0	0	0
62	1782.10	12.95	103.08	27.36	1751.33	301.39	-99.86	284.54	301.55	109.34	0.15	TeleScope	0	0	0
63	1810.59	13.14	102.82	28.49	1779.09	307.80	-101.30	290.81	307.95	109.21	0.20	TeleScope	0	0	0
64	1838.33	13.43	102.20	27.74	1806.08	314.15	-102.68	297.03	314.28	109.07	0.35	TeleScope	0	0	0
65	1866.03	13.67	101.56	27.70	1833.01	320.61	-104.02	303.38	320.71	108.92	0.31	TeleScope	0	0	0
66	1893.92	14.38	102.20	27.89	1860.07	327.33	-105.41	309.99	327.42	108.78	0.79	TeleScope	0	0	0
67	1922.13	15.12	102.12	28.21	1887.35	334.49	-106.92	317.01	334.56	108.64	0.79	TeleScope	0	0	0
68	1950.02	16.08	102.76	27.89	1914.21	341.96	-108.54	324.34	342.02	108.50	1.05	TeleScope	0	0	0
69	1978.32	17.55	103.47	28.30	1941.30	350.12	-110.40	332.31	350.17	108.38	1.57	TeleScope	0	0	0
70	2006.20	18.68	102.74	27.88	1967.80	358.77	-112.36	340.75	358.80	108.25	1.25	TeleScope	0	0	0
71	2034.38	20.29	103.21	28.18	1994.37	368.14	-114.47	349.91	368.16	108.12	1.72	TeleScope	0	0	0
72	2062.02	21.66	103.09	27.64	2020.17	378.00	-116.73	359.55	378.02	107.99	1.48	TeleScope	0	0	0
73	2089.76	23.20	101.91	27.74	2045.82	388.55	-119.01	369.88	388.55	107.84	1.74	TeleScope	0	-32768	0
74	2117.60	25.10	101.08	27.84	2071.22	399.87	-121.28	381.04	399.88	107.66	2.08	TeleScope	0	0	0
75	2145.69	26.97	100.94	28.09	2096.46	412.12	-123.63	393.14	412.12	107.46	1.99	TeleScope	0	0	0
76	2173.22	28.89	99.89	27.53	2120.78	424.92	-125.96	405.82	424.92	107.24	2.16	TeleScope	0	0	0
77	2180.65	28.94	100.02	7.43	2127.28	428.48	-126.58	409.36	428.49	107.18	0.33	TeleScope	0	0	0
78	2208.98	27.98	101.72	28.33	2152.19	441.89	-129.12	422.62	441.90	106.99	1.33	TeleScope	0	0	0
79	2237.13	27.66	104.70	28.15	2177.09	454.99	-132.12	435.40	455.01	106.88	1.52	TeleScope	0	0	0
80	2265.10	27.95	105.63	27.97	2201.83	468.02	-135.54	447.99	468.05	106.83	0.56	TeleScope	0	0	0
81	2293.40	29.20	107.16	28.30	2226.68	481.56	-139.36	460.98	481.58	106.82	1.54	TeleScope	0	0	0

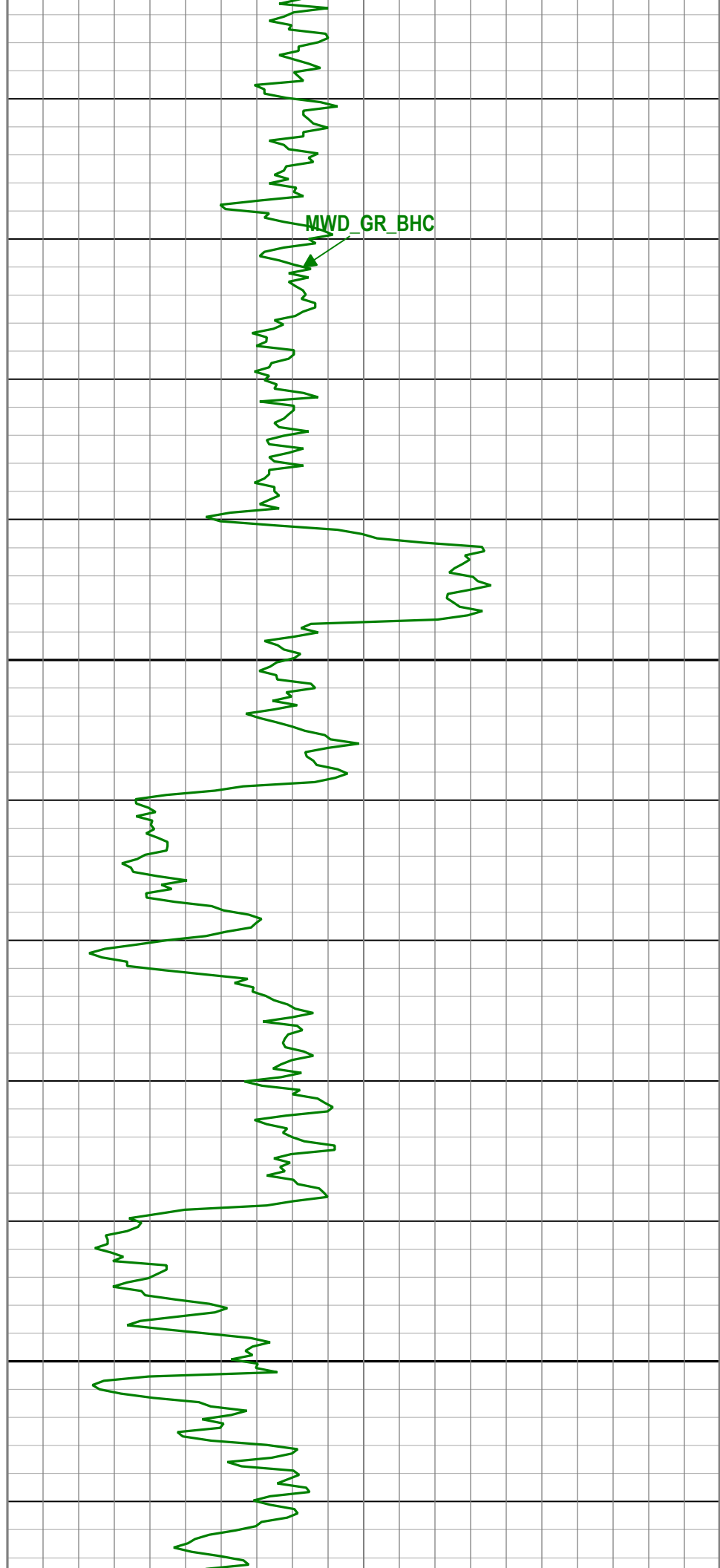
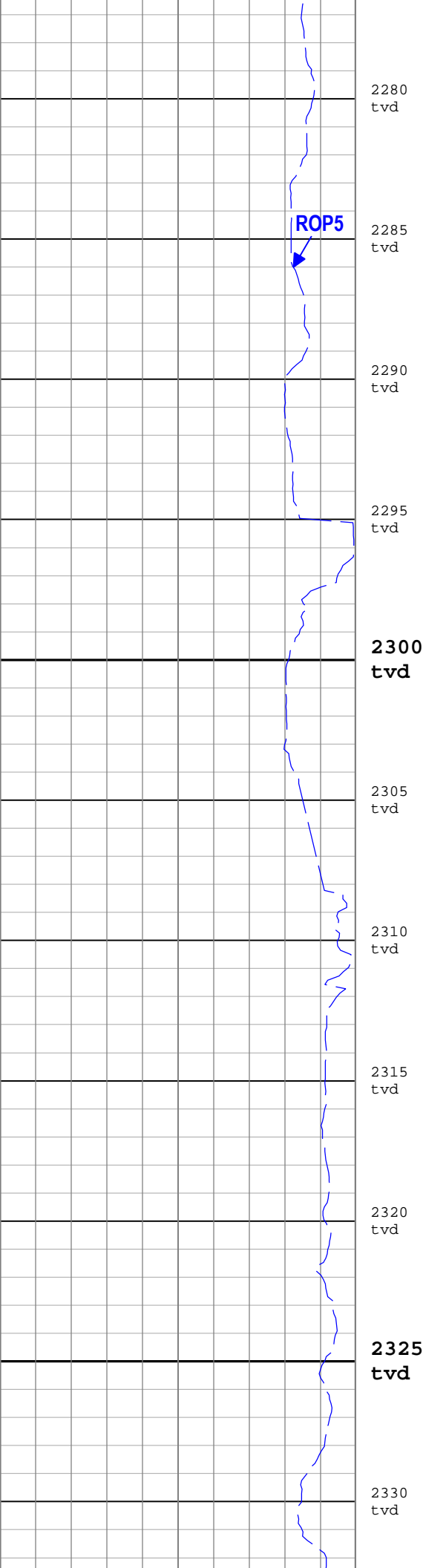
12.25 in. Section			
MWD - Gamma Ray 1:200 TVD			
Software Version			
Acquisition System		Version	
Maxwell 2018 SP1		8.1.99839.3100	
Tool Interface	System Version	Loaded Version	
HSPM	20.3c.062	8.1.99839.3100	
Tool Elements	Description	Software Version	Firmware Version
DRILLING_SURFACE	DRILLING_SURFACE	8.1.99839.3100	
PMGR	TeleScope - M10 Gamma Ray Assembly	8.1.99839.3100	V14.0

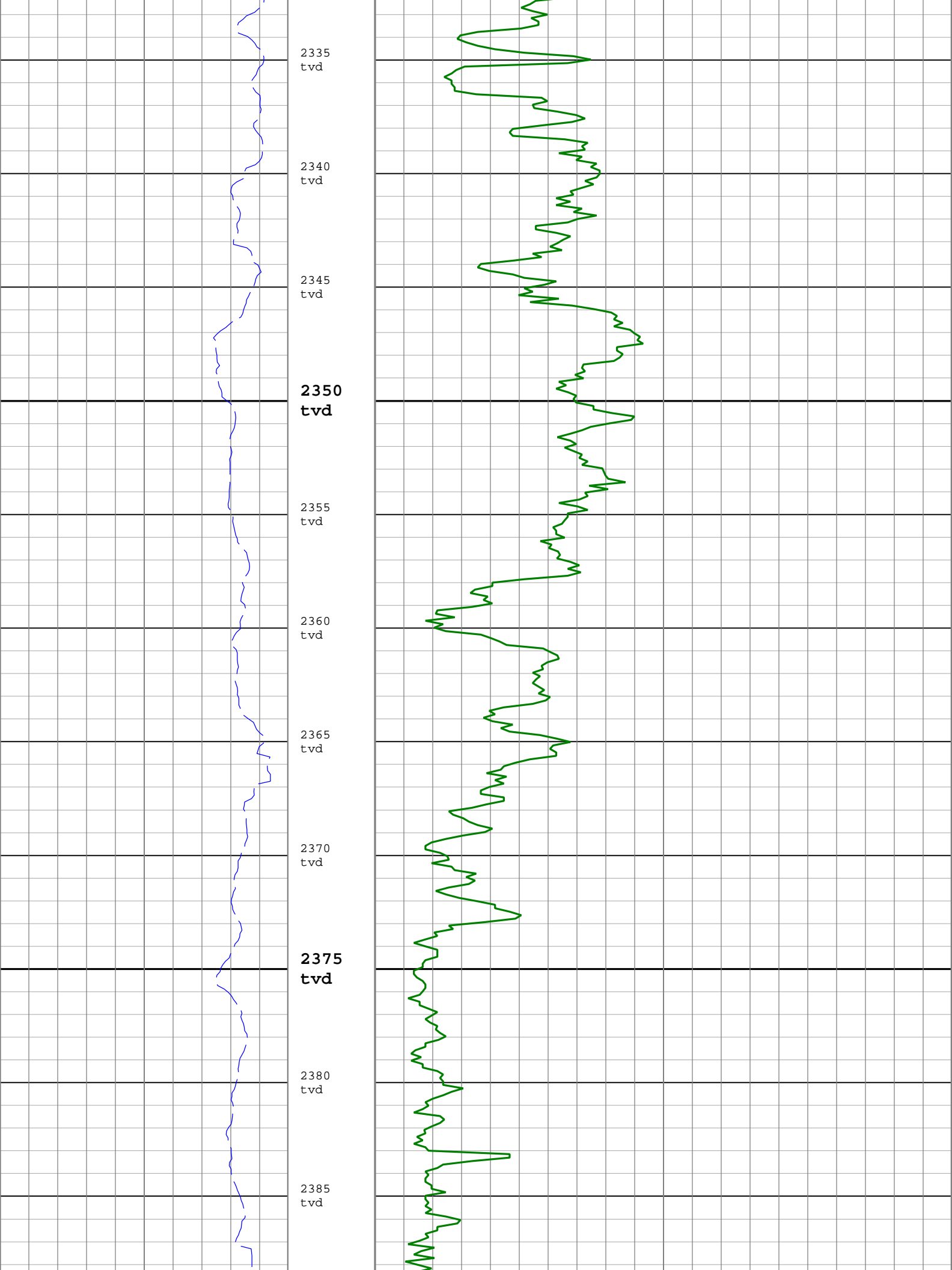
Composite Summary							
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run 6	Ream Down 1	Down	2340.89 m	2384.83 m	24-Apr-2018 14:47:43	25-Apr-2018 05:13:30	Yes
Run 6	Drilling	Down	2389.43 m	2679.93 m	25-Apr-2018 05:13:30	28-Apr-2018 03:29:46	Yes

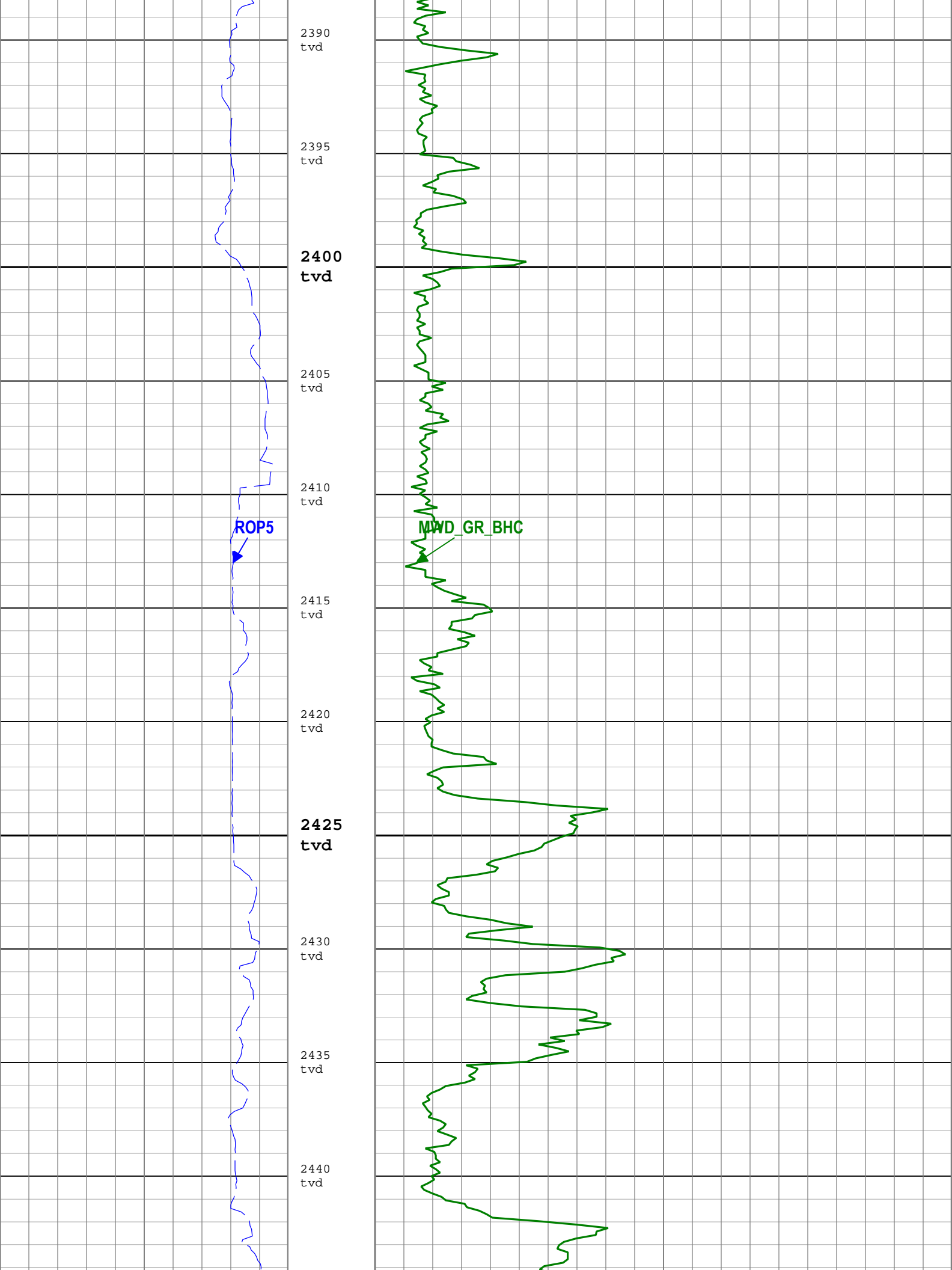
All depths are referenced to toolstring zero		
Log	Company: Trias Westland B.V.	Well: NLW-GT-02-S1 12.25 in. Section: S196

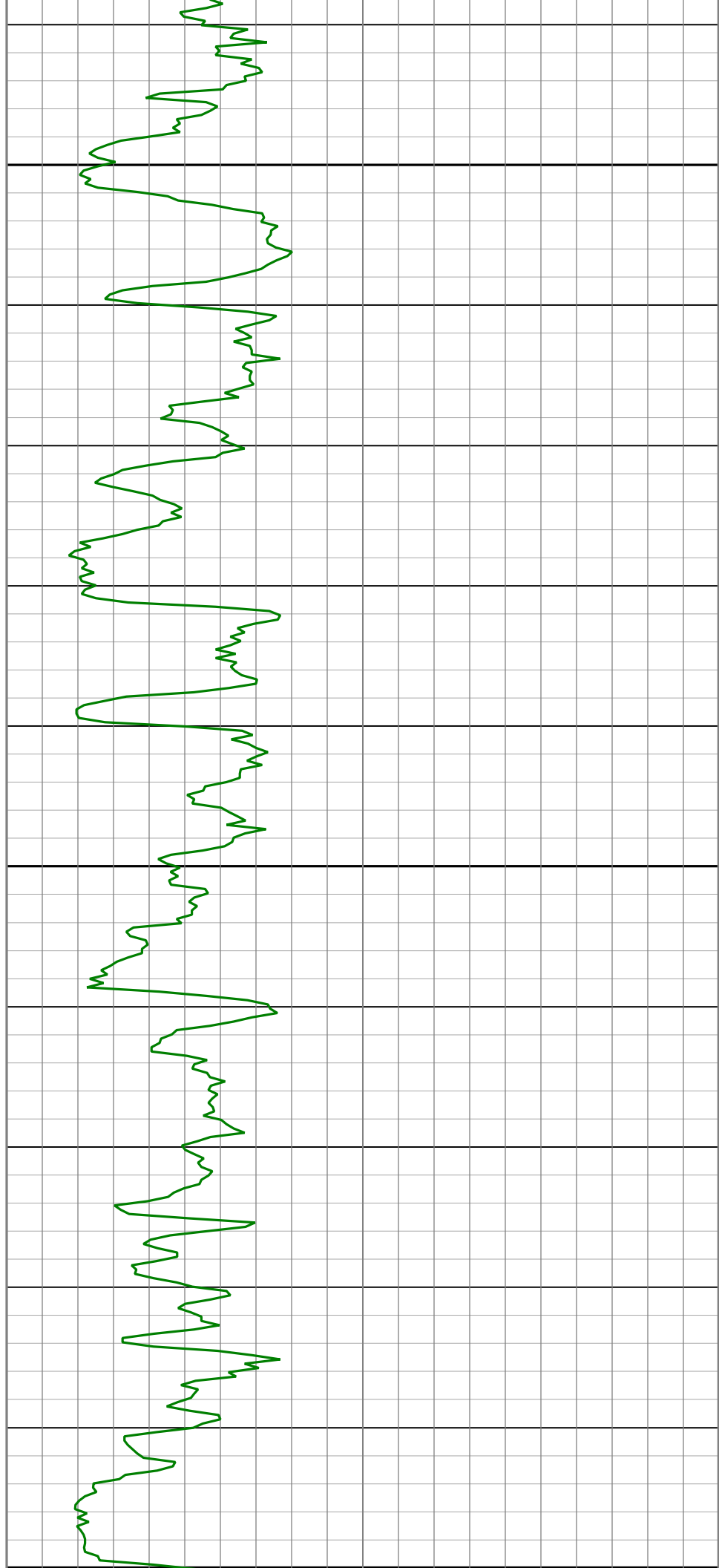
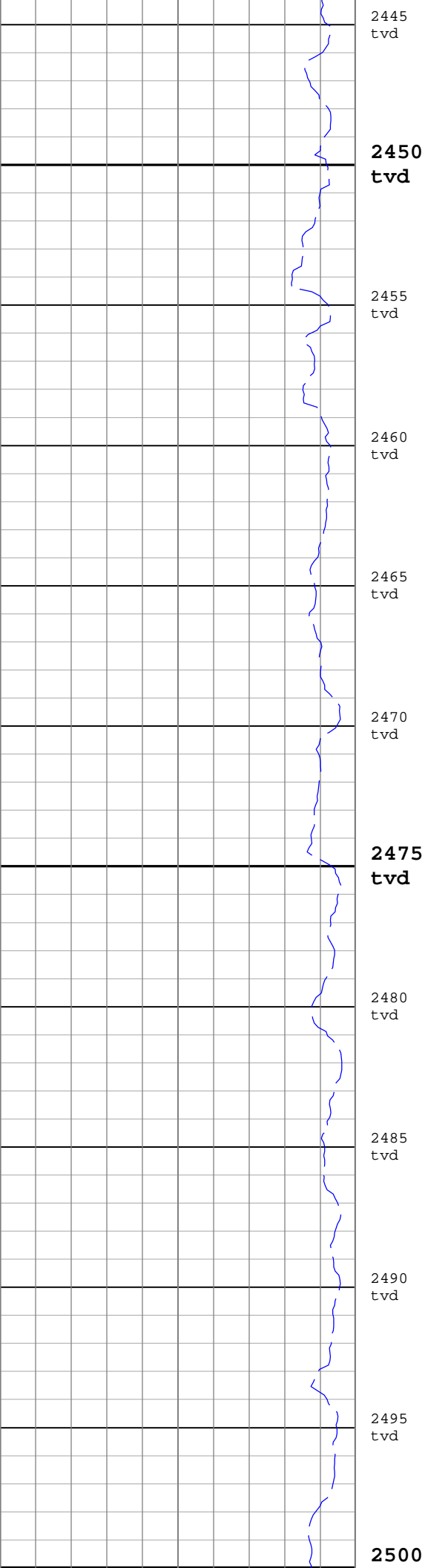
Description: TeleScope Gamma Ray Depth RT	Format: Log (GR MWD and PD no ticks)	Index Scale: 1:200	Index Unit: m	Index Type: TVD	Creation Date: 02-May-2018 19:49:35
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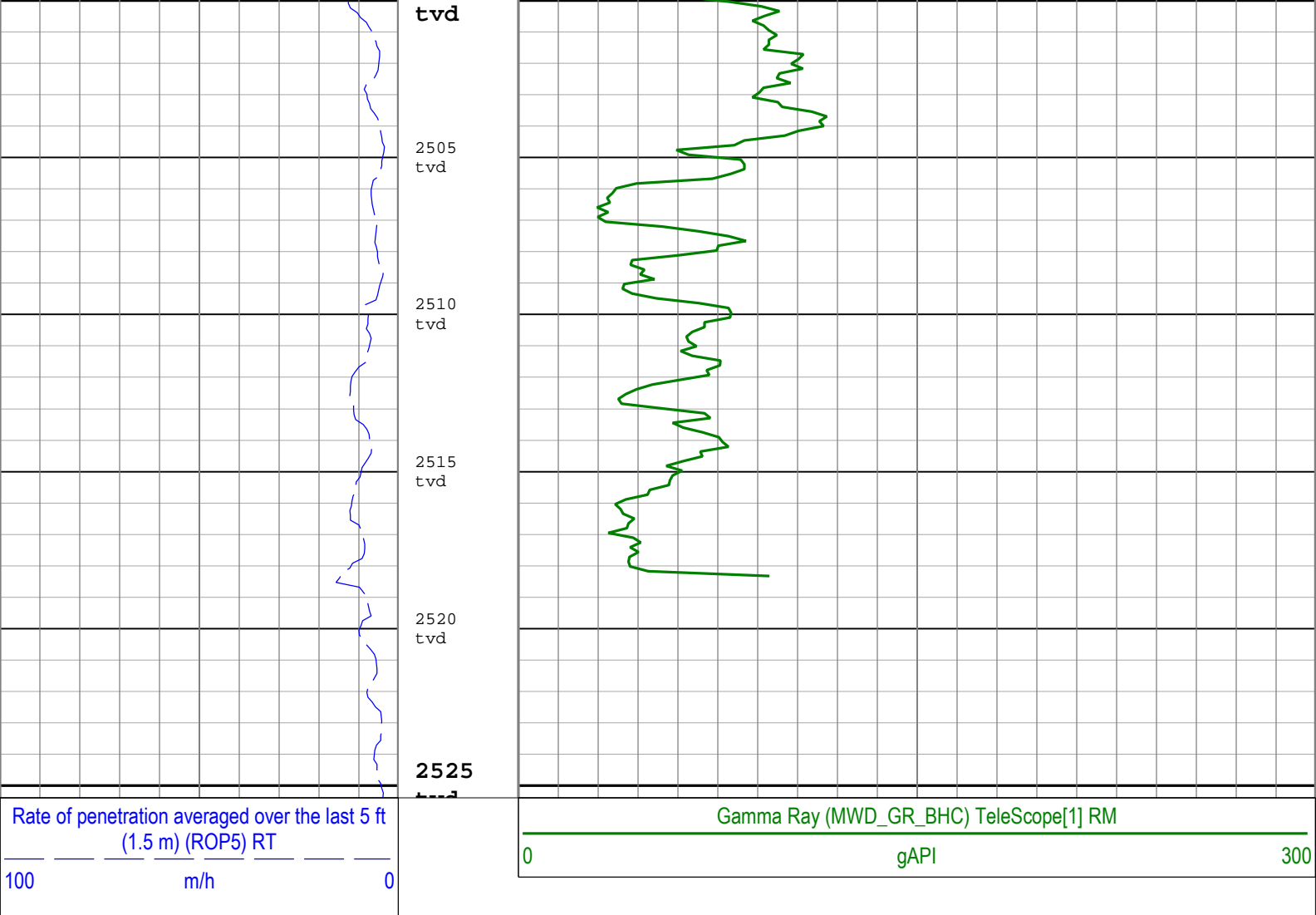












Description: TeleScope Gamma Ray Depth RT Format: Log (GR MWD and PD no ticks) Index Scale: 1:200 Index Unit: m Index Type: TVD Creation Date: 02-May-2018 19:49:35

12.25 in. Section

MWD - Gamma Ray 1:1000 TVD

Composite Summary

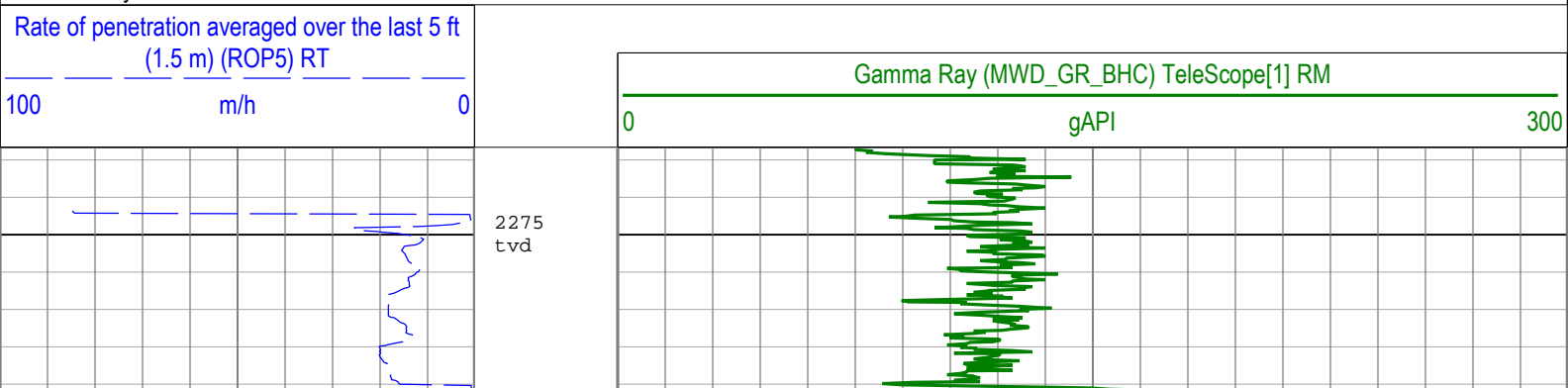
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run 6	Ream Down 1	Down	2340.89 m	2384.83 m	24-Apr-2018 14:47:43	25-Apr-2018 05:13:30	Yes
Run 6	Drilling	Down	2389.43 m	2679.93 m	25-Apr-2018 05:13:30	28-Apr-2018 03:29:46	Yes

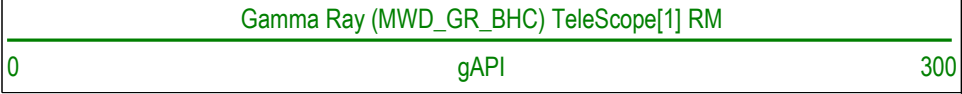
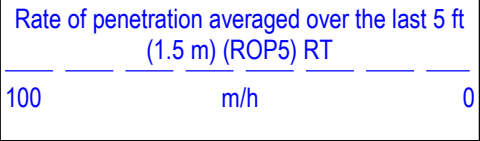
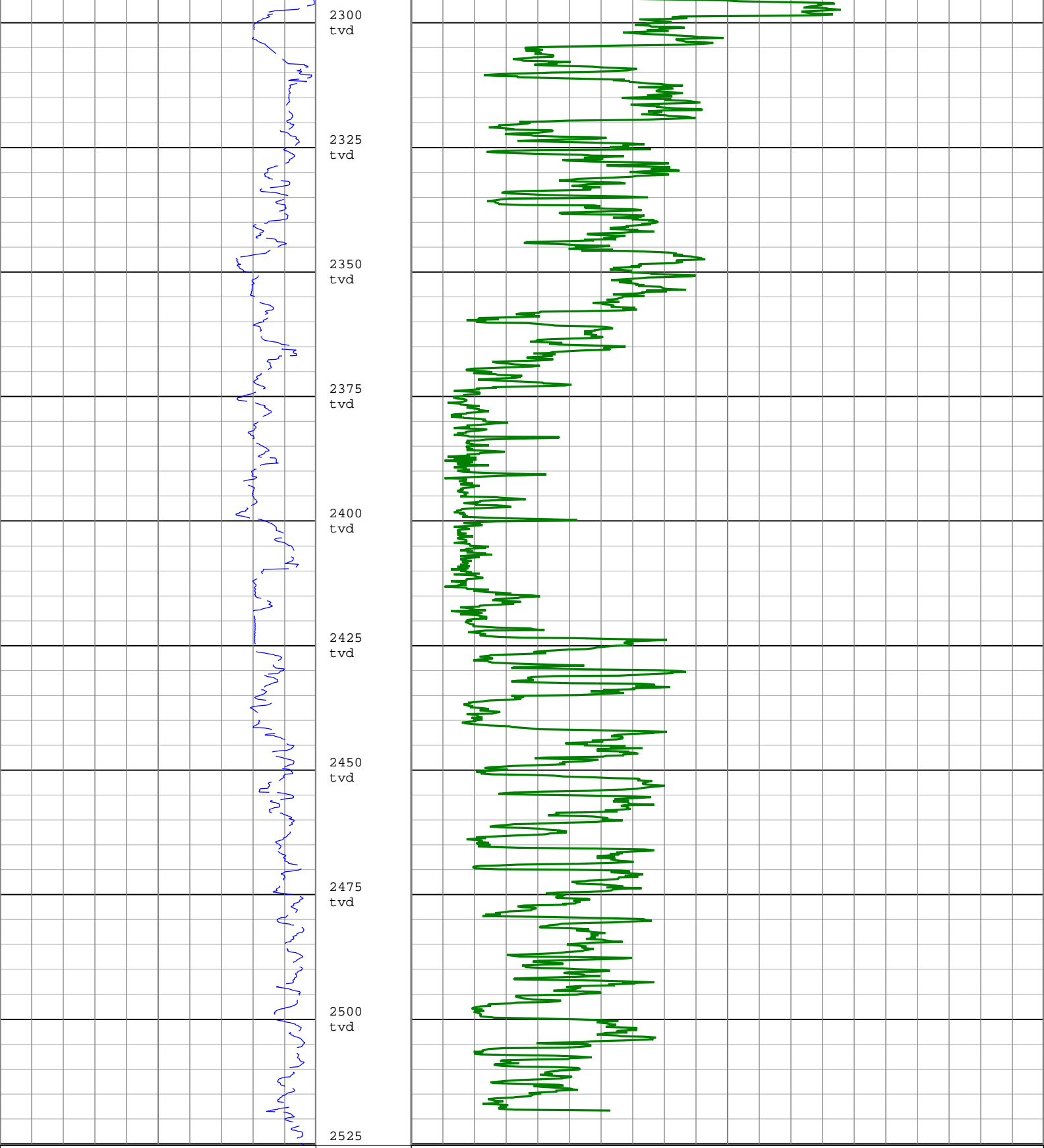
All depths are referenced to toolstring zero

Log

Company: Trias Westland B.V. Well: NLW-GT-02-S1
12.25 in. Section: S196

Description: TeleScope Gamma Ray Depth RT Format: Log (GR MWD and PD no ticks) Index Scale: 1:1000 Index Unit: m Index Type: TVD Creation Date: 02-May-2018 19:49:38





Description: TeleScope Gamma Ray Depth RT Format: Log (GR MWD and PD no ticks) Index Scale: 1:1000 Index Unit: m Index Type: TVD Creation Date: 02-May-2018 19:49:38

Channel Processing Parameters				
Run 6: Parameters				
Parameter	Description	Tool	Value	Unit

BHK	Drilling Fluid Potassium Concentration	Borehole	3.5	%
BS	Bit Size	DNMSESSION	Depth Zoned	in
DFD	Drilling Fluid Density	Borehole	1.13	g/cm3
GR_SRC	GR Input Channel Name	TELE825	GAMMA_CPS	

Run 6Depth Zoned Parameters

Parameter	Value	Start (m)	Stop (m)
BS	17.5	2263.52	2304.43
BS	12.25	2304.43	2525.54

All depth are actual.

Tool Control Parameters

Calibration Report

TELE825 (TeleScope 825) Calibration - Run 6

Primary Equipment :		
Gamma Ray Cartridge	PMGR	1103

GAMMA_SF - Gamma Ray: Blanket

Master (Time Frame File): 12:22:51 20-Apr-2018

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Calibration Gain		Master	1.0000	0.7500	0.8804	1.2500	

Company:	Trias Westland B.V.
Well:	NLW-GT-02-S1
Field:	Naaldwijk
Rig Name:	KCA Deutag T-207
Country:	The Netherlands



MWD - Gamma Ray

Schlumberger

Recorded Mode