



Propagation Resistivity,
Gamma Ray,
Annular Pressure,
ECD



INTEQ

Memory Log
17.5" Hole Section

Company	Burullus Gas Company		
Well	Simian-Db		
Field	Simian		
County	Mediterranean Sea		
State	West Delta Deep Marine		
Country	Egypt		
Company	Company	Burullus Gas Company	
	Well	Simian-Db	
	Field	Simian	
	County	Mediterranean Sea	
	State	West Delta Deep Marine	
	Country	Egypt	
Well	Well Location:	Other Services: Surveys, VSS.	
	Latitude:	32° 06' 17.07987" N	
	Longitude:	30° 45' 59.61201" E	
	UTM Zone:	X : 592966.289 m E Y : 1043380.202 m N	

Log Measured From	DRILL FLOOR	@	26 m	Above Permanent Datum	Elev. KB	26 m
Depth In	1207 m	MWD Start	30-May-2012	Permanent Datum	Elev. DF	26 m
Depth Out	1655 m	MWD End	02-June-2012	M.S.L	Sea Bed/GL	-503 m

BOREHOLE RECORD		CASING RECORD			
Hole Diameter	From	To	Casing Size	From	To
17.5 in.	1207 m	1655 m	20 in.	529 m	1202 m

Drilling Contractor: Transocean		Rig:	Amirante
1:1000 / 1:500 / 1:200			
MD		Final Print	
Company Representative:Shaker Latif		Osama Said	
Field	Mohamed Sakr	Mohamed El-Halafawy	
Personnel:		Job#: 4638642	

Bit Run Number	4						
INTEQ Data							
Run Number	4						
DHA Serial Number	10350511						
Surface Gear Serial Number	Adv2.10U3						
Tool OD (in) / Type	9.5" OTK						
Run Data							
Bit Diameter (in)	17.5"						
Measured Depth In (ft)	1207						
Measured Depth Out (ft)	1655						
Top of Interval Logged (ft)	1202						
Bottom of Interval Logged (ft)	1649						
Min/Max Inclination (deg)	0.4 - 0.7	-	-	-	-	-	-
Begin Log (hrs)	13:00						
Begin Log (date)	30-May-12						
End Log (hrs)	00:07						
End Log (date)	02-June-12						
Mud Data @ Depth (ft)	1655.0						
Mud Type	Hydrogaurd						
Density From - To (ppg)	10.20 - 10.50	-	-	-	-	-	-
Mud Chlorides (ppm)	66000						
Oil/Water Ratio (%)	0/89						

Max Circulating Temp (° F)	101							
Company Representative Field Engineer	S.L / O.S M.S / M.H							

9.5" ONTRAK II

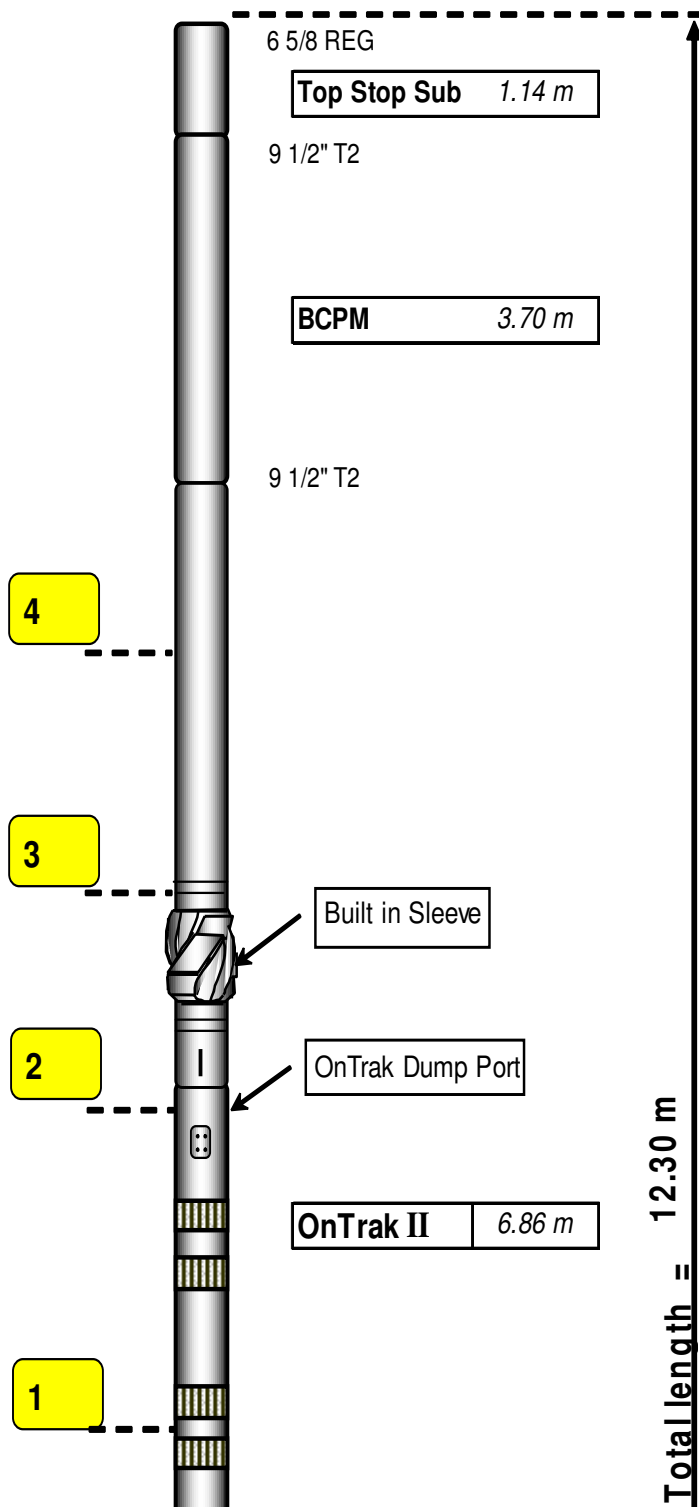
Client: **RASHPETCO** Rig: **Amirante** Well: **Simian-Db**
 BHI Run #: **4** Tool s/n: **10350511** Hole Section: **17 1/2"**

Components	Serial number	Length (m)
Top Stop Sub	11844886	1.14
BCPM	10166533	3.70
OnTrak II	10350511	6.86
BTM Stop Sub	10368410	0.60

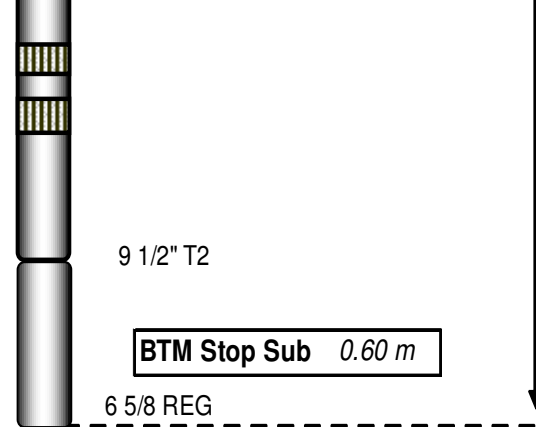
Flow range / DLK:	865-1600 gpm / 1040 gpm
Memory Ontrak:	~ 600 circ. hours

Total length of tool:	12.30 m
OD of tool:	9 1/2"
Length Below Tool	3.42 m

Sensor offsets	From bottom of the sub	From the bit
1 Resistivity	1.54 m	4.96 m



1. Resistivity	2.83 m	6.25 m
2. ECD	3.72 m	7.14 m
3. Gamma	5.18 m	8.60 m
4. Directional		



Torques	klbf-ft
9 1/2" T2	67.0
6 5/8 REG	48.0

Enviromental Parameters

Date & Time	Run No.	Bit Depth (m)	Rm @ BHCT (ohmm) / (° F)	Rm @ MT (ohmm) / (° F)	Mud Weight (ppg)	K (%)	NaCl Equival Kppm	Rmf @ BHCT (ohmm) / (° F)	Rmc @ MT (ohmm) / (° F)
30-May-2012 03:19:11	4	1210	0.040 / 85	0.050 / 70	10.2	N/A	181.5	0.030 / 85	0.130 / 70
31-Mar-2012 00:08:08	4	1307	0.040 / 93	0.050 / 72	10.3	N/A	175.1	0.030 / 93	0.130 / 72
01-June-2012 02:56:42	4	1499	0.040 / 98	0.050 / 74	10.5	N/A	169.0	0.030 / 98	0.130 / 74

Remarks

LOG MNEMONICS :

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ROPA : Rate of Penetration, Average [m/hr].

GR1CFM : Gamma Ray One Corrected Filtered, Memory, [API].

RPCMH : Shallow Resistivity PD Corrected , 2 MHz LS, [Ohm.m].

RPCLM : Medium Resistivity PD Corrected , 400 kHz LS, [Ohm.m].

RACHM : Medium Deep Resistivity AT Corrected , 2 MHz LS, [Ohm.m].

RACLM : Deep Resistivity AT Corrected , 400 kHz LS, [Ohm.m].

RPTHM : Resistivity Time Since Drilled, [mins].

TCDM : Circulating Temperature, [deg F].

SUB ASSEMBLY MNEMONICS:

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OTK : OnTrak Tool (Resistivity, Gamma, ECD & Dir Sub).

DOWNHOLE EQUIPMENT:

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Natural Gamma Ray : Nal Scintillation Counter.

OTK Resistivity : 2 MHz- 400KHZ electromagnetic wave

(long spaced and Short spaced, phase difference & attenuation)

SURFACE EQUIPMENT:

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Main surface system software : Advantage 2.10U3.

Memory dump system software : Tool coms NT/ MemProc

LOG ENVIRONMENTAL CORRECTIONS:

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- OnTrak Gamma Ray corrected for sensor type, tool size, borehole size & MWT

- OnTrak Resistivity corrected for tool size, borehole size and mud resistivity.

LOG COMMENTS:

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-Data density for RPCHM is presented as ticks on the right side of Depth Track.

-All depths are with respect to Amirante drill floor 26 m above permanent datum.

-All TVD calculations are based on MWD Surveys.

REMARKS:

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1- 17.5" Hole was logged down while Drilling from 1207 m to 1655 m.

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MAIN LOG 1:1000 MD



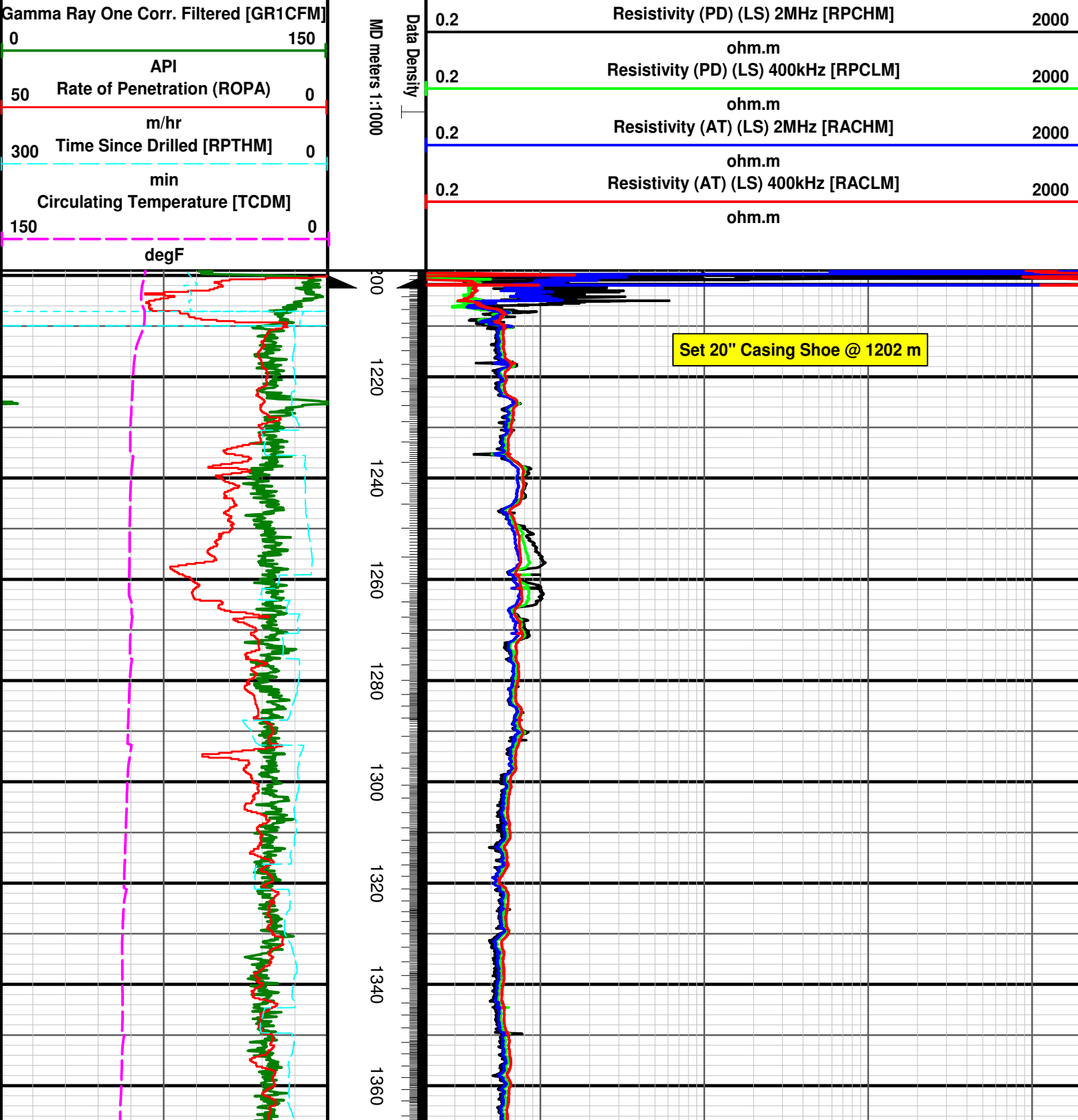
INTEQ

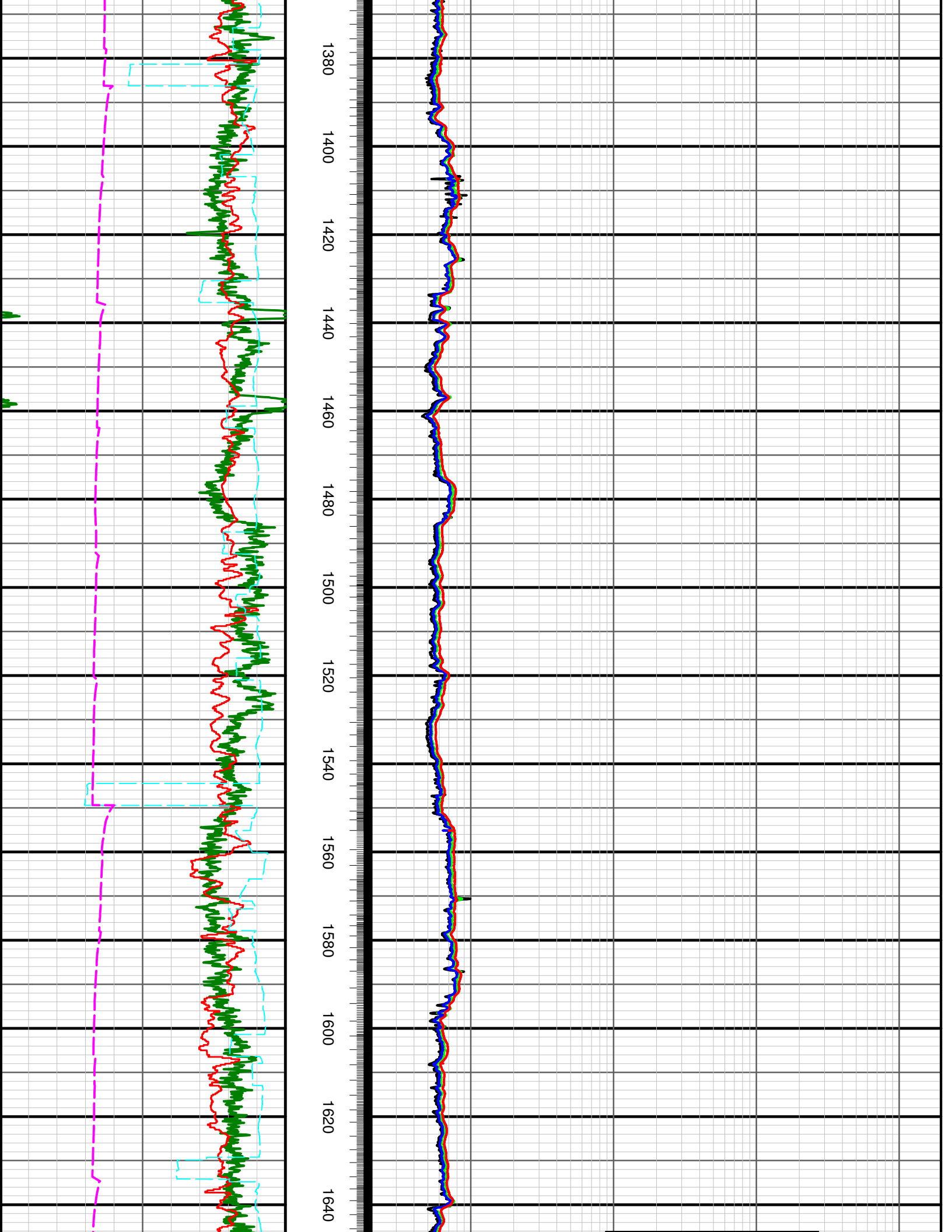
Company : Rashpetco

Well : Simian-Db

Interval : 1199.00 - 1656.00 meters

Created : 03/Jun/2012 4:38:09 AM





TD of 17.5" Section @ 1655 m

Gamma Ray One Corr. Filtered [GR1CFM] 0 150	API Rate of Penetration (ROPA) 0	m/hr Time Since Drilled [RPTHM] 0	min Circulating Temperature [TCDM] 0	degF	MD meters 1:1000	Data Density	0.2	Resistivity (PD) (LS) 2MHz [RPCHM]	2000
								ohm.m	
							0.2	Resistivity (PD) (LS) 400kHz [RPCLM]	2000
								ohm.m	
300	Time Since Drilled [RPTHM] 0	min	Circulating Temperature [TCDM] 0	degF			0.2	Resistivity (AT) (LS) 2MHz [RACHM]	2000
								ohm.m	
							0.2	Resistivity (AT) (LS) 400kHz [RACLM]	2000
								ohm.m	

MAIN LOG 1:500 MD



INTEQ

Company : Rashpetco

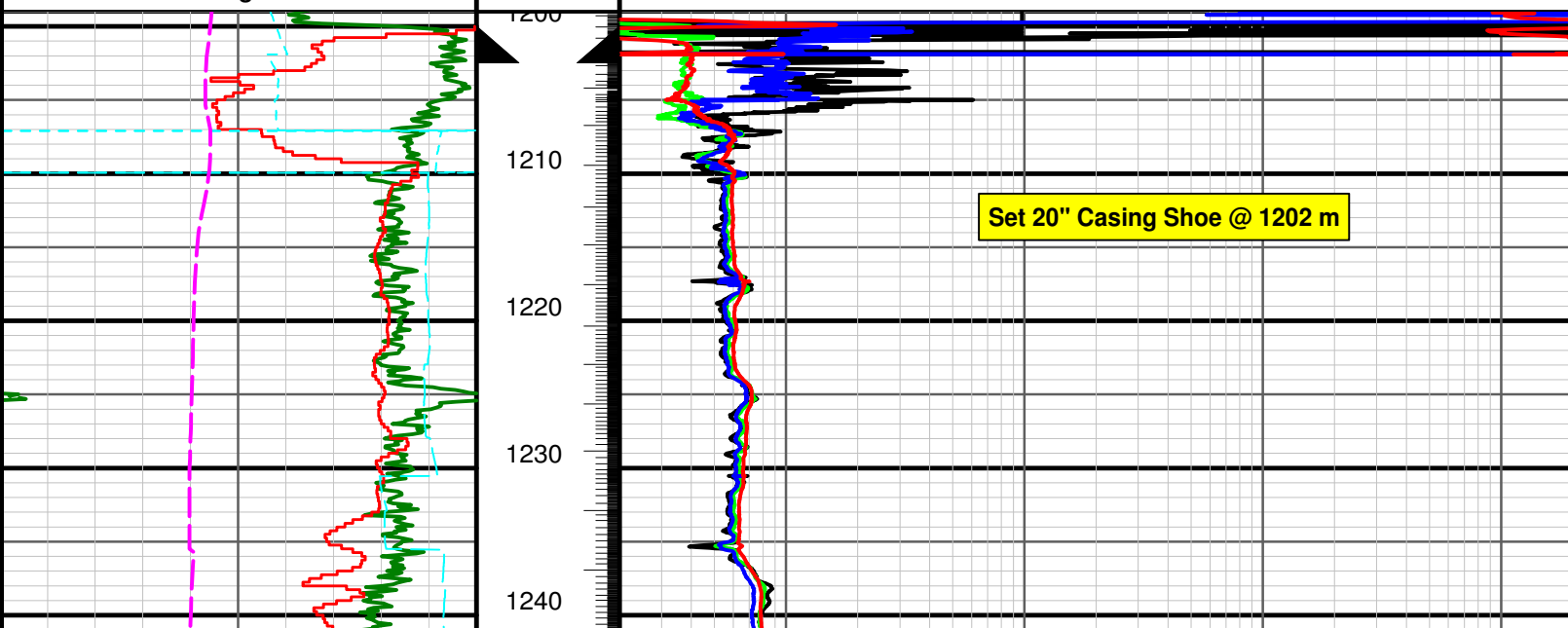
Well : Simian-Db

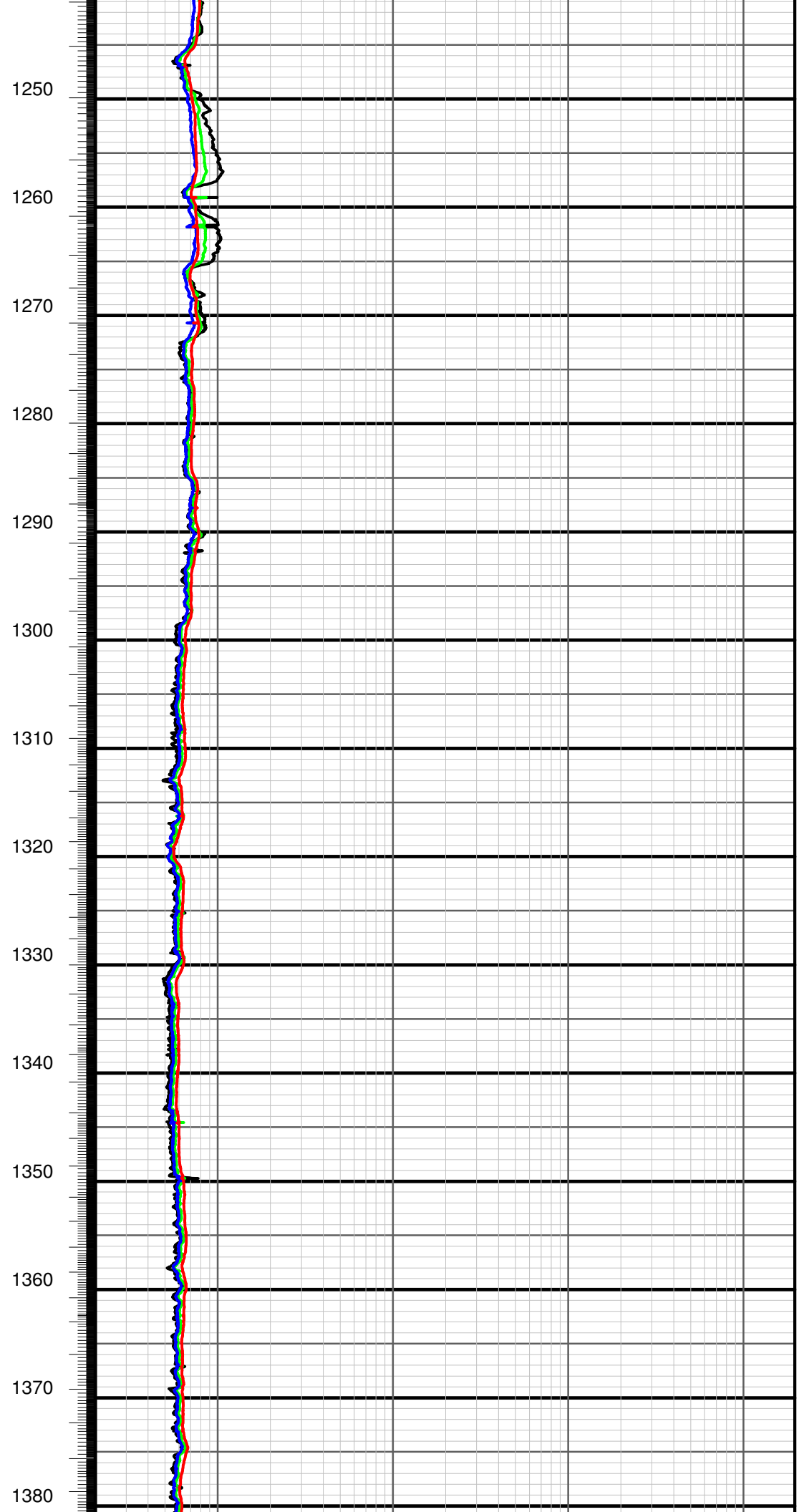
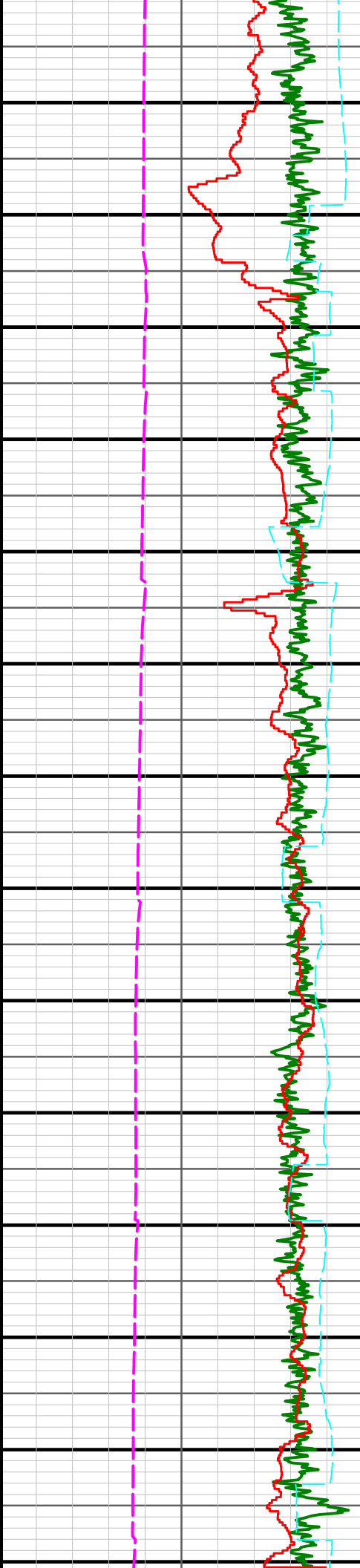
Interval : 1199.00 - 1656.00 meters

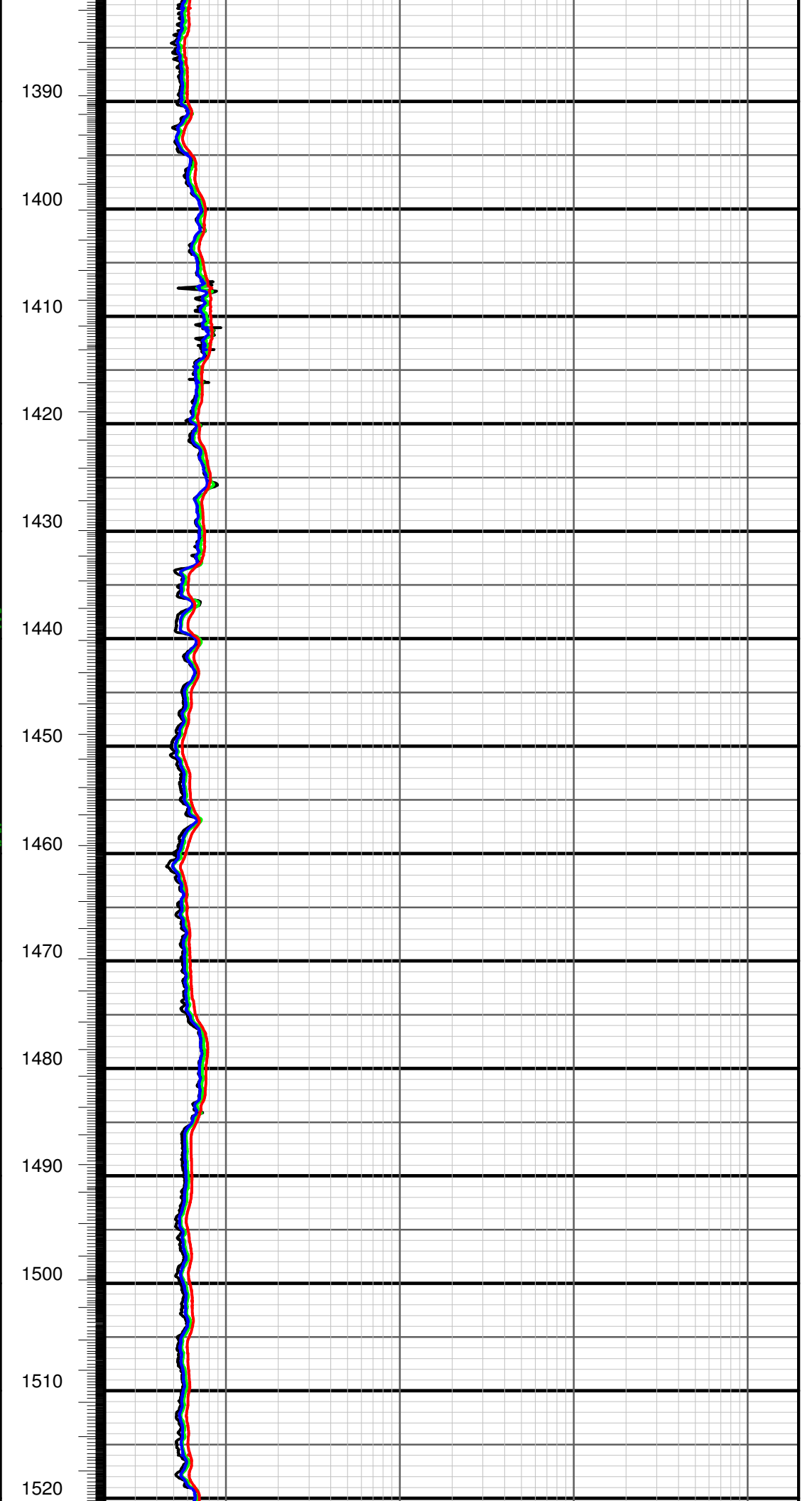
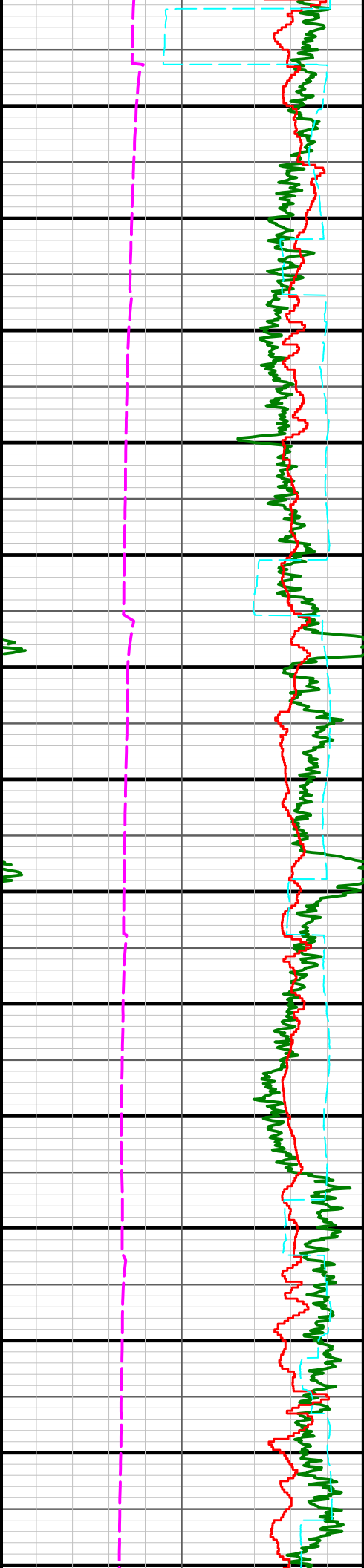
Created : 03/Jun/2012 4:38:09 AM

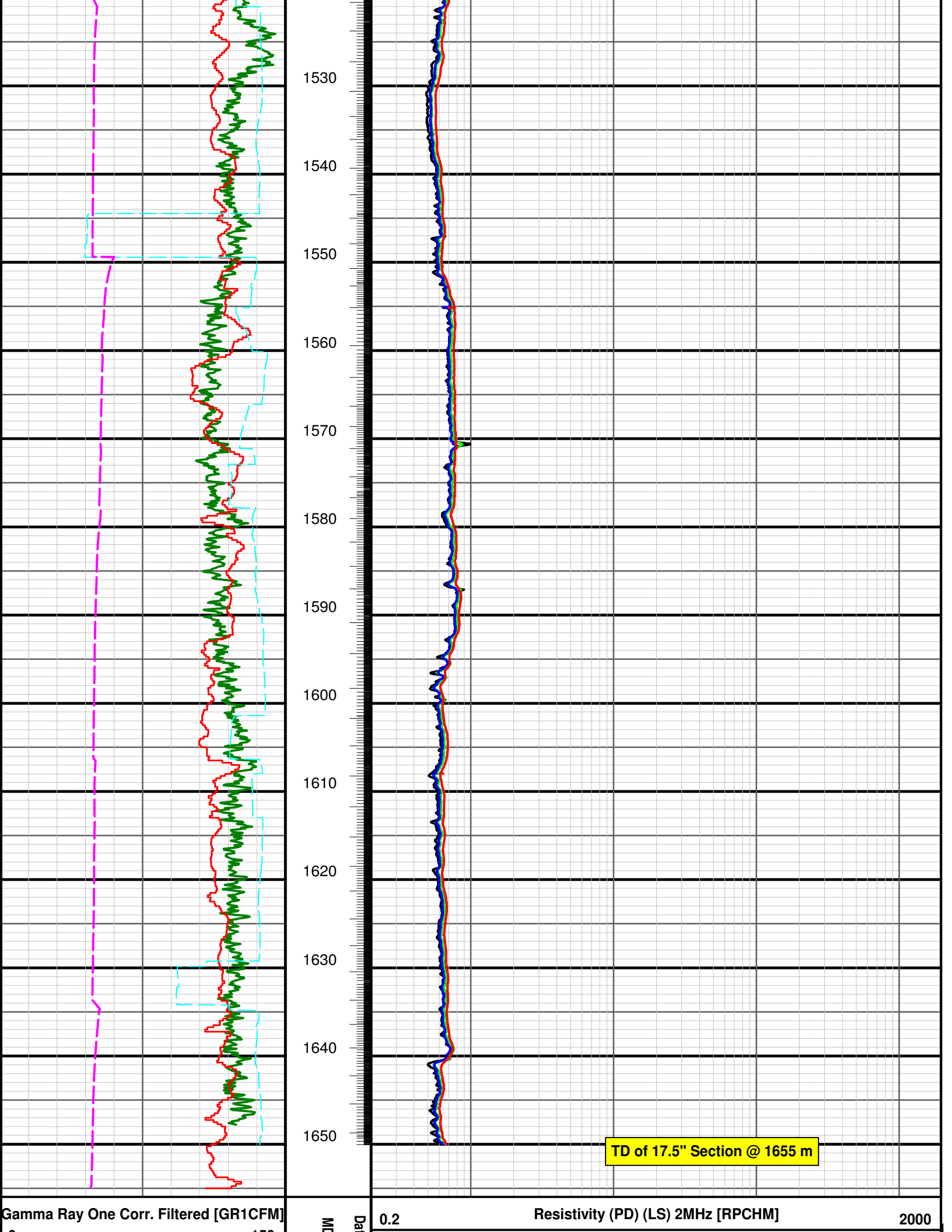


Gamma Ray One Corr. Filtered [GR1CFM] 0 150	API Rate of Penetration (ROPA) 0	m/hr Time Since Drilled [RPTHM] 0	min Circulating Temperature [TCDM] 0	degF	MD meters 1:500	Data Density	0.2	Resistivity (PD) (LS) 2MHz [RPCHM]	2000
								ohm.m	
							0.2	Resistivity (PD) (LS) 400kHz [RPCLM]	2000
								ohm.m	
300	Time Since Drilled [RPTHM] 0	min	Circulating Temperature [TCDM] 0	degF			0.2	Resistivity (AT) (LS) 2MHz [RACHM]	2000
								ohm.m	
							0.2	Resistivity (AT) (LS) 400kHz [RACLM]	2000
								ohm.m	









Gamma Ray One Corr. Filtered [GR1CFM]

MD

Da

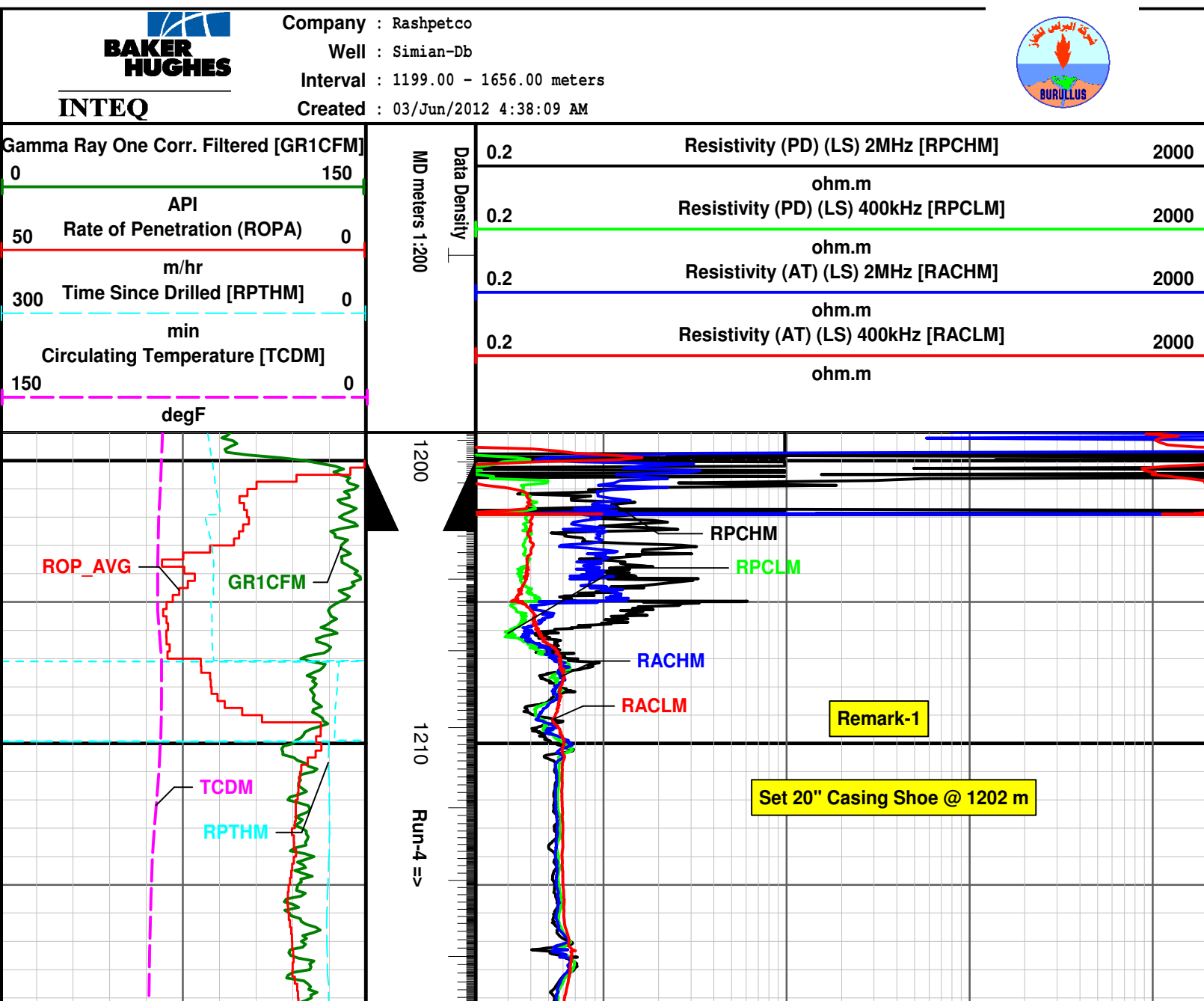
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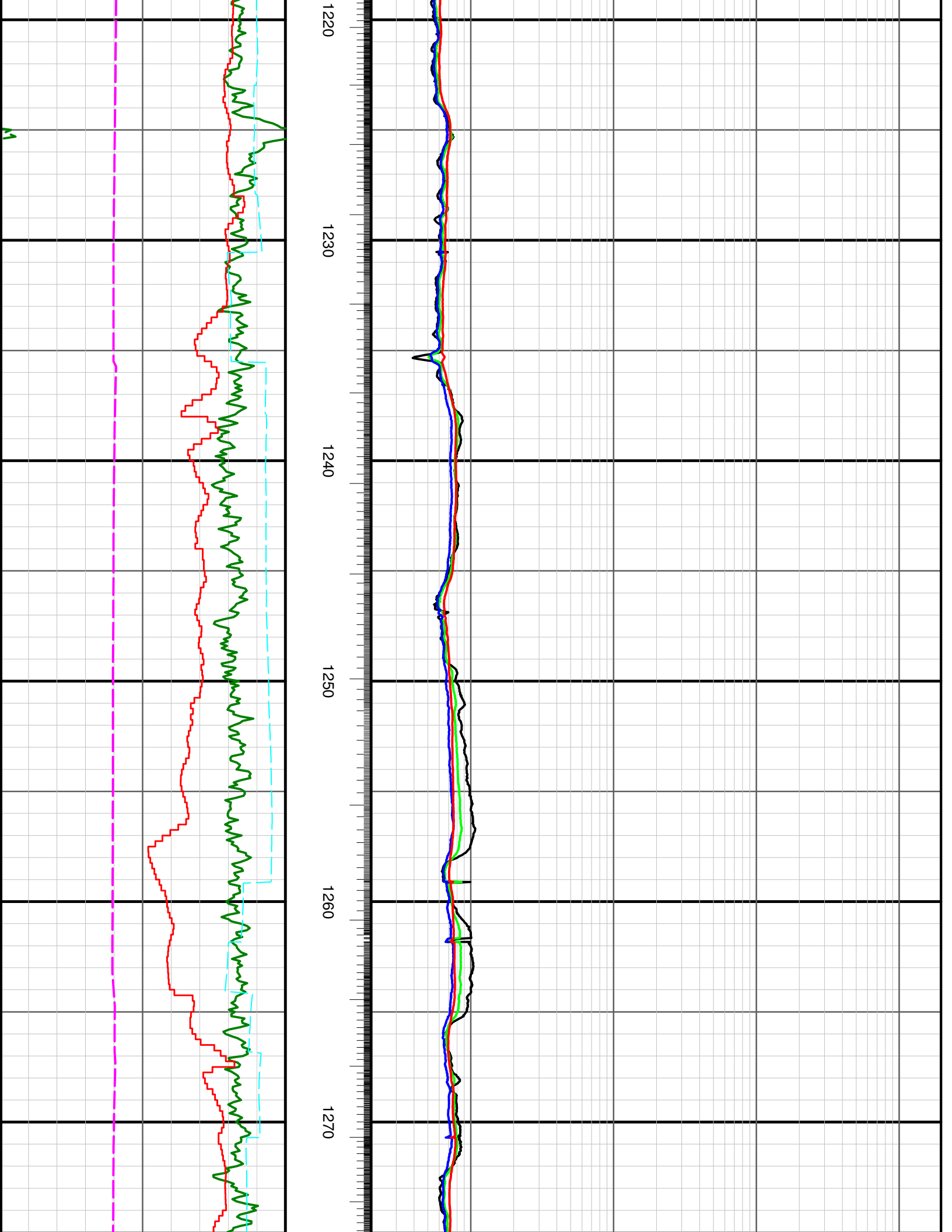
Resistivity (PD) (LS) 2MHz [RPCM]

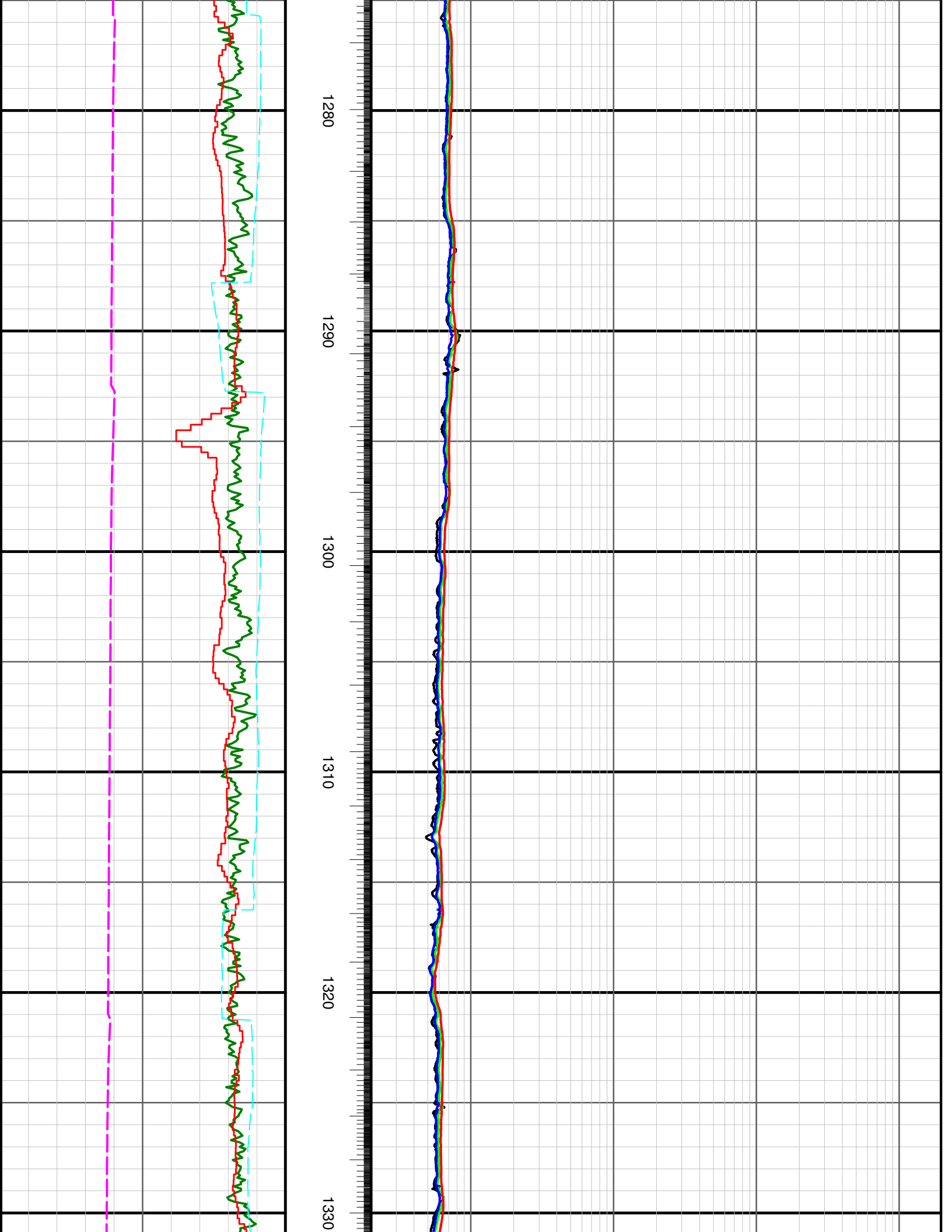
2000

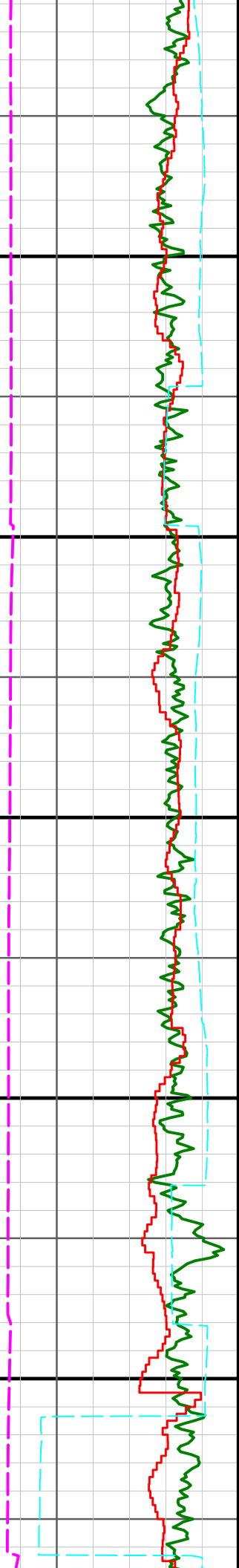
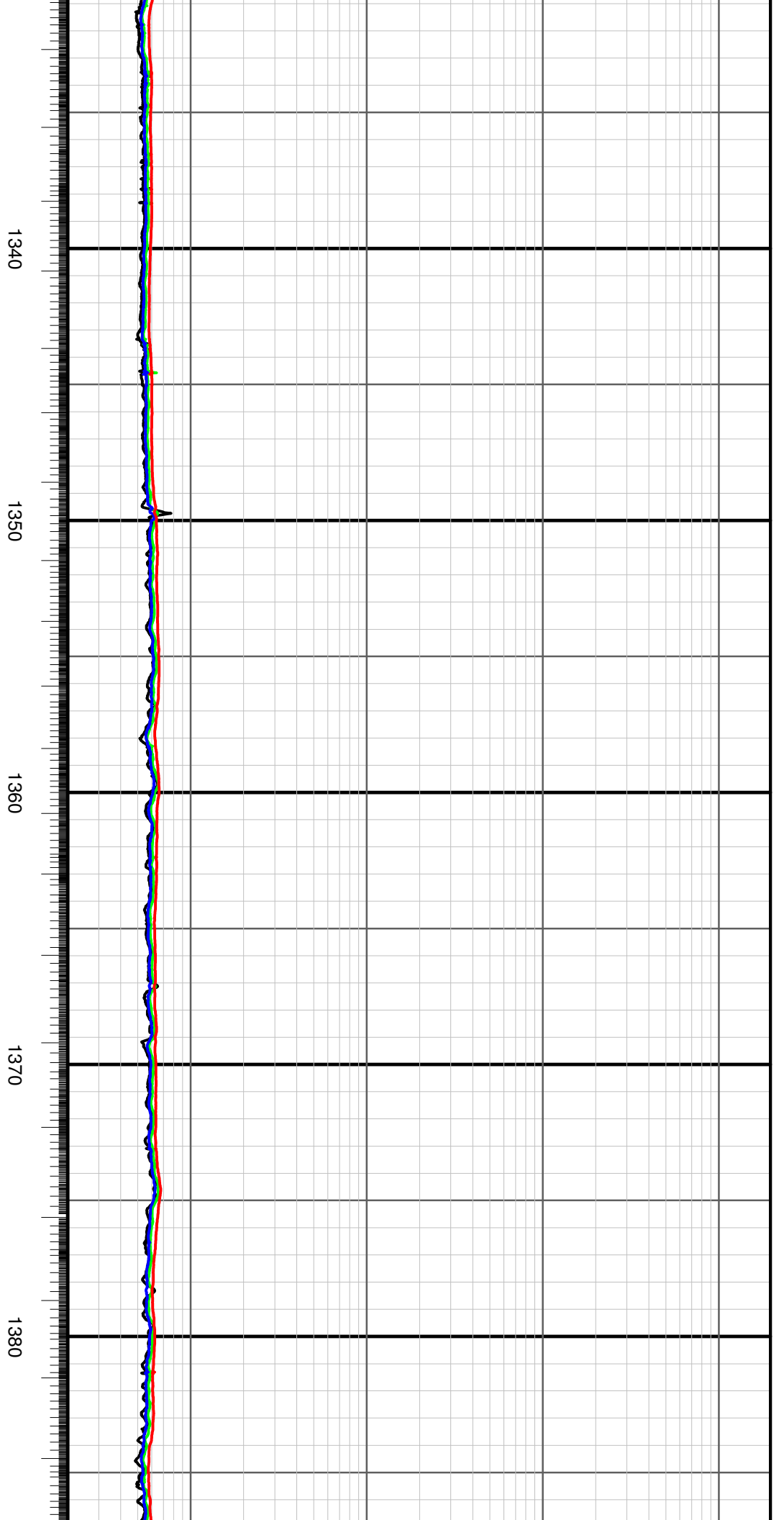
0	API	150	0.2	ohm.m	
50	Rate of Penetration (ROPA)	0	Resistivity (PD) (LS) 400kHz [RPCLM]	2000	
	m/hr		ohm.m		
300	Time Since Drilled [RPTHM]	0	Resistivity (AT) (LS) 2MHz [RACHM]	2000	
	min		ohm.m		
	Circulating Temperature [TCDM]		Resistivity (AT) (LS) 400kHz [RACLM]	2000	
150	degF	0	ohm.m		

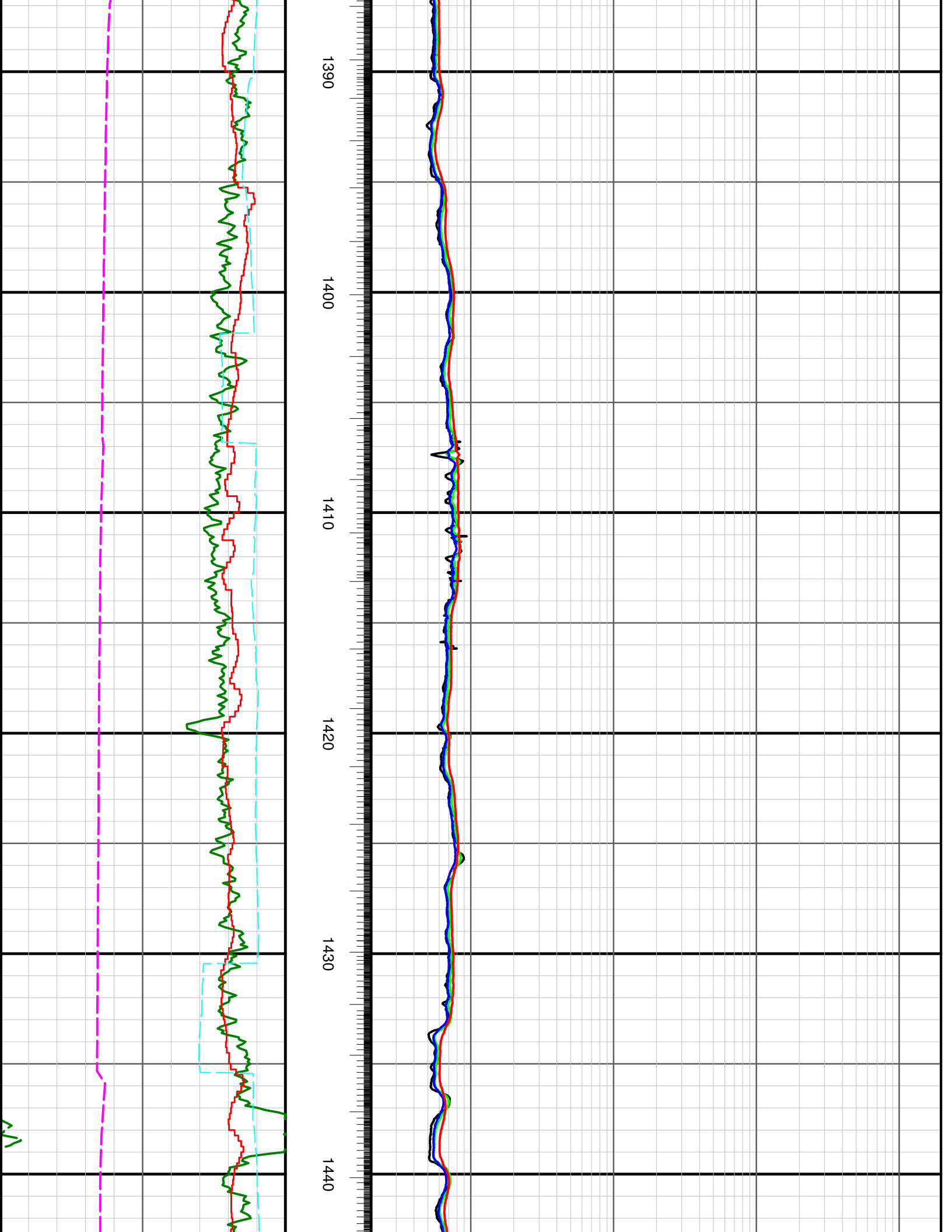
MAIN LOG 1:200 MD

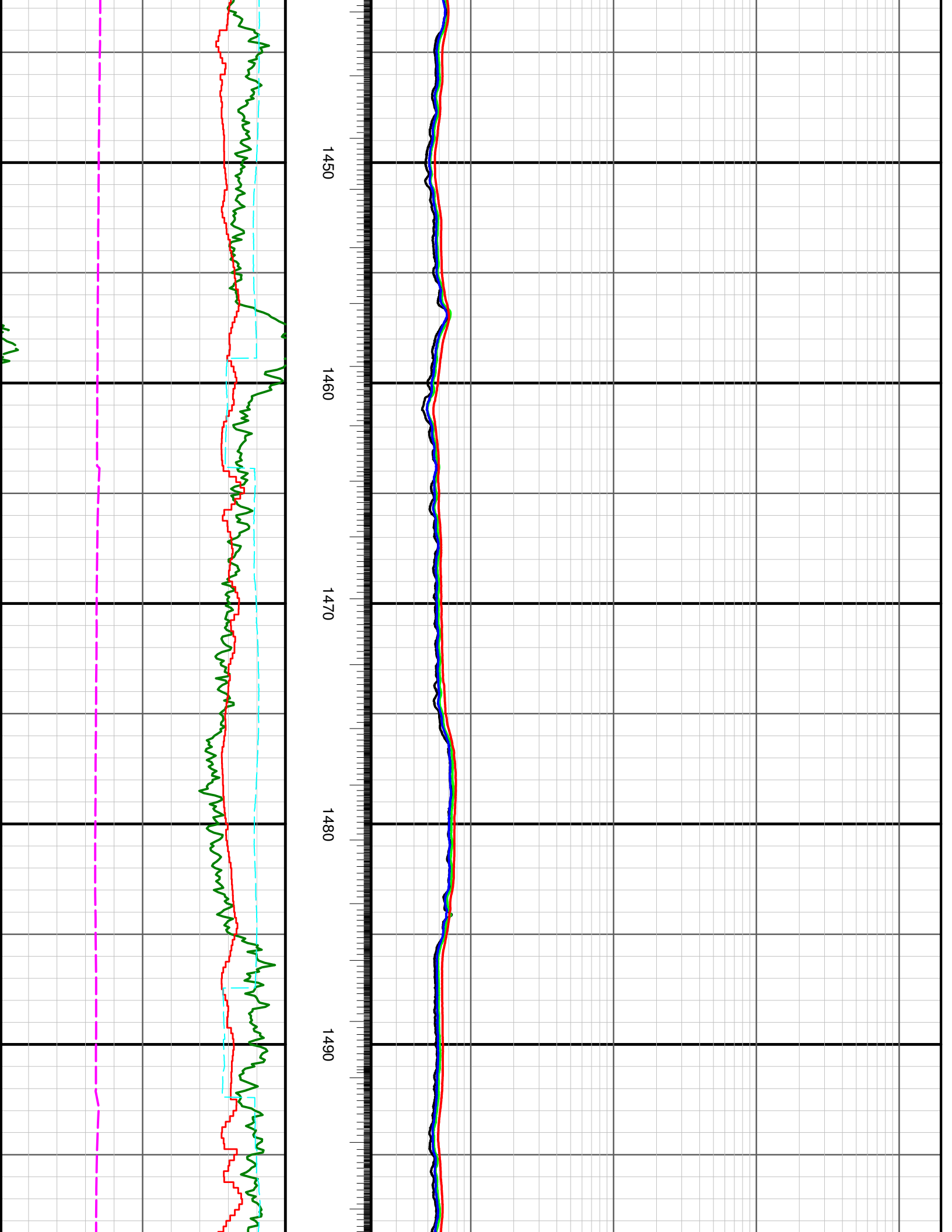


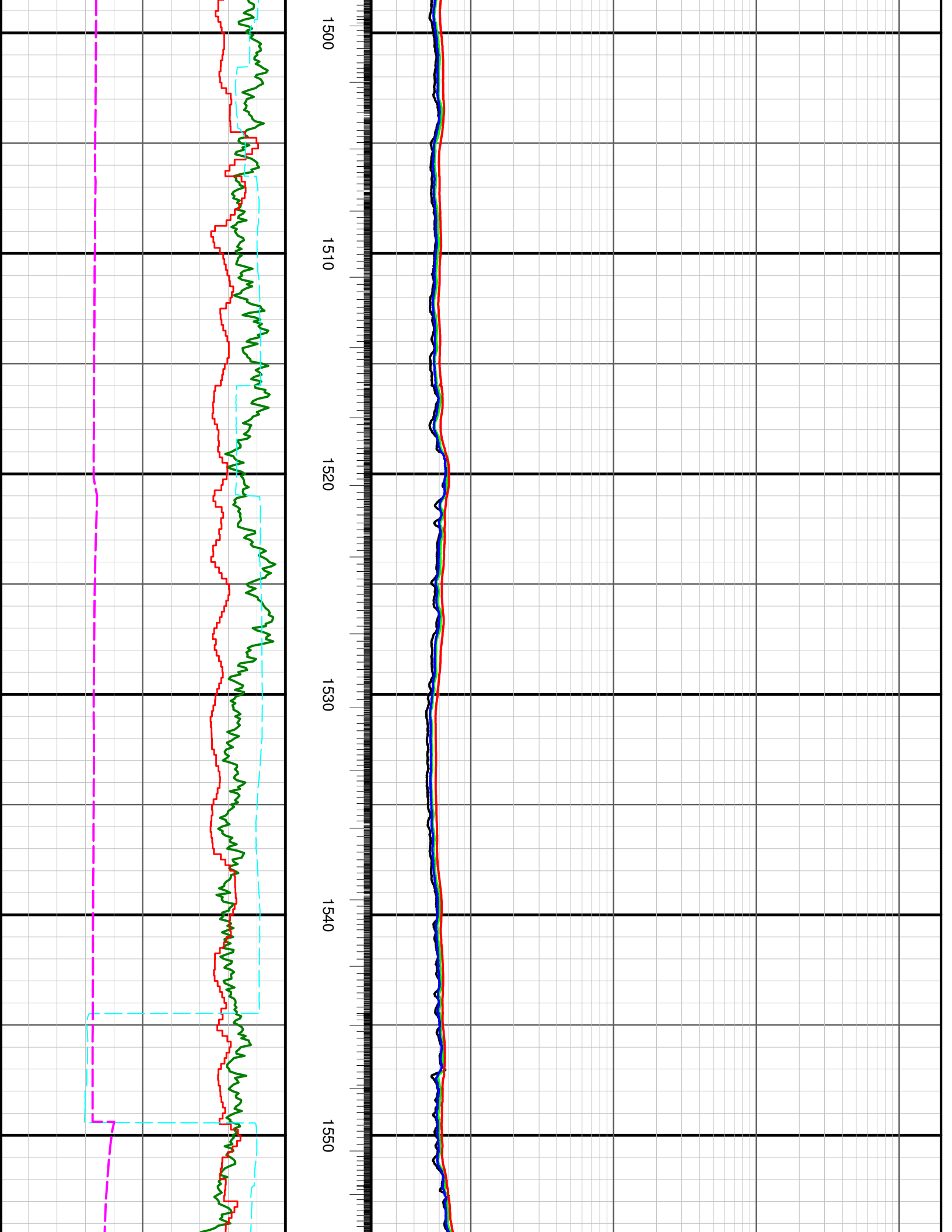


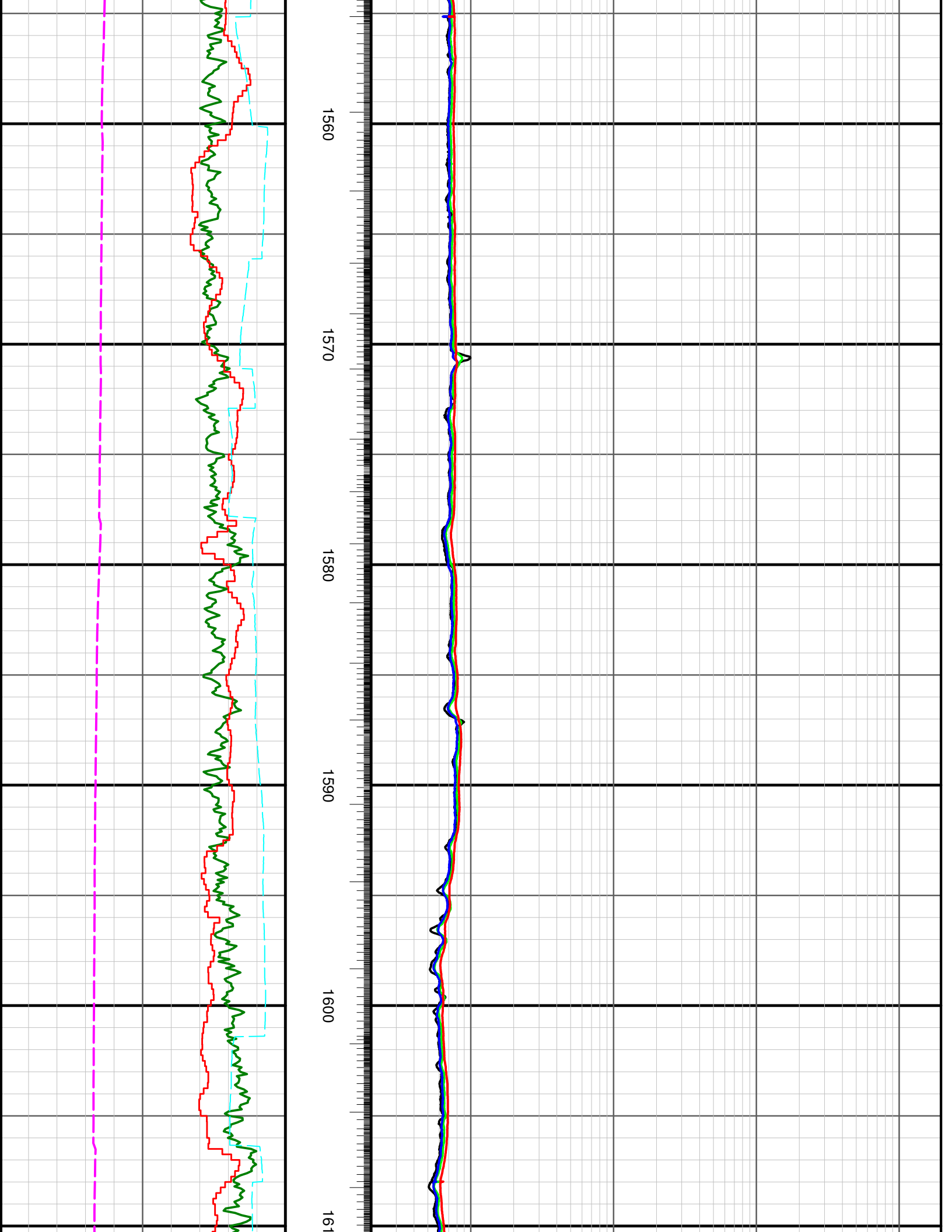


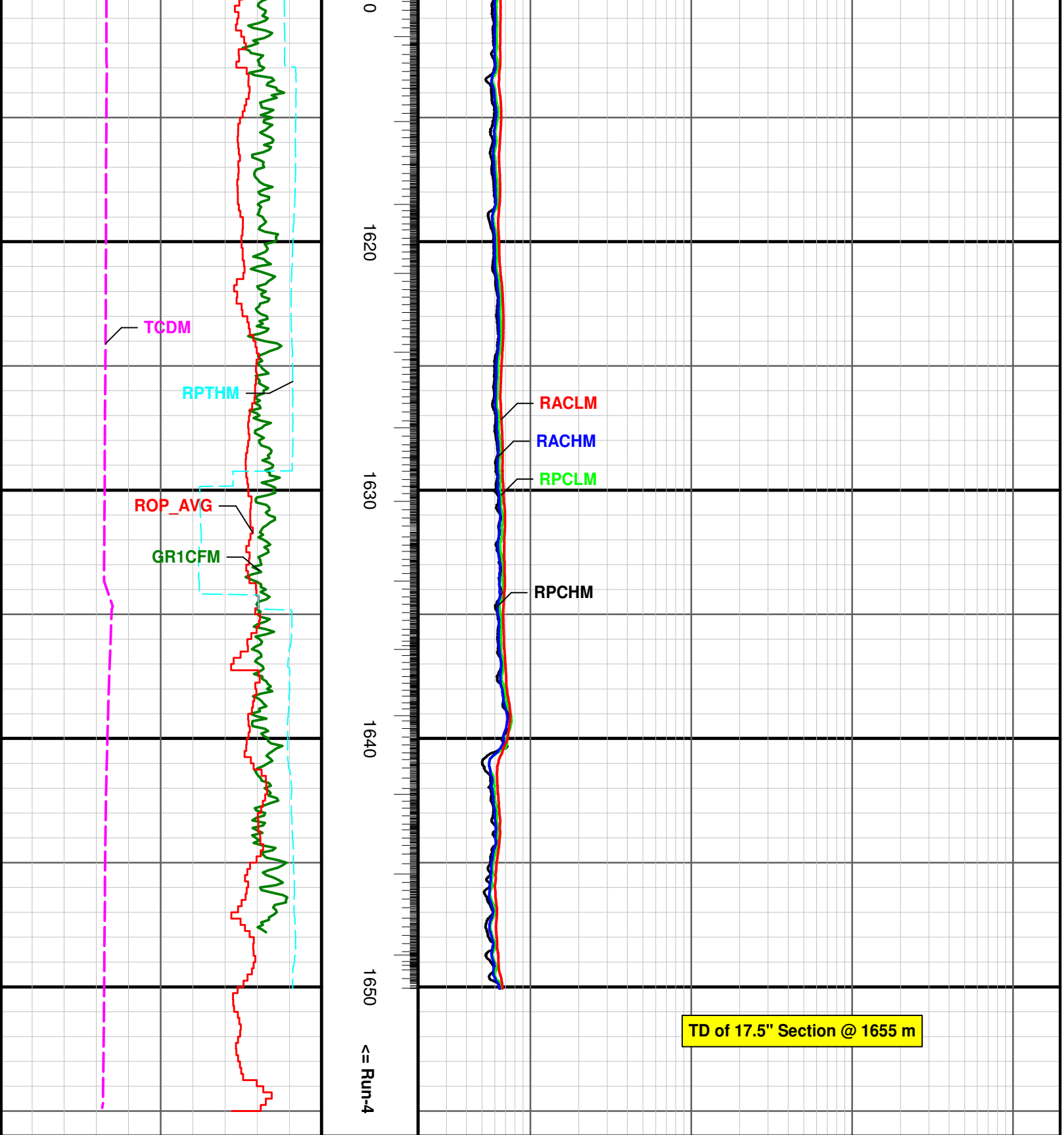












Gamma Ray One Corr. Filtered [GR1CFM]			MD meters 1:200	Data Density	0.2	Resistivity (PD) (LS) 2MHz [RPCHM]	2000
0 150					ohm.m		
API					0.2	Resistivity (PD) (LS) 400kHz [RPCLM]	2000
50	Rate of Penetration (ROPA)	0			ohm.m		
m/hr					0.2	Resistivity (AT) (LS) 2MHz [RACHM]	2000
300	Time Since Drilled [RPTHM]	0			ohm.m		
min					0.2	Resistivity (AT) (LS) 400kHz [RACLM]	2000
Circulating Temperature [TCDM]					ohm.m		
150 0							
1 5							

Calibration & Verification Summary

GR Calibration Sheet

Run No	Tool Type	Sub Size	Tool S/N	Sensor Type	Date:	Time:
4	OTK II	9 1/2"	10350511	Scintillator	30-Mar-12	9:16
			Primary Shop Calibration	Rig Site Verification		
				Pre Run		Post Run
Sensor 1	Backgnd cnts	3.33	1.69	1.71		
	GRAPICF	3.8795	3.8795	3.8795		
	Backgnd (GAPI)	12.918735	6.556355	6.633945		
Sensor 2	Backgnd cnts	3.37	1.51	1.49		
	GRAPICF	3.7688	3.7688	3.7688		
	Backgnd (GAPI)	12.700856	5.690888	5.615512		
COMMENT:		Verification Passed				

Ontark Calibration Sheet

Primary Shop Calibration



Ontark S/N		Sub Size		Tool Type		Date:		Time:	
10350511		9 1/2"		OTK II		19-May-12		15:13	
	2MHz		400kHz			2MHz		400kHz	
	PD	AT	PD	AT		PD	AT	PD	AT
T1R1	-178.873281	3.948749	165.448164	3.975283	T3R1	-165.044308	3.966809	-163.384611	3.987608
T1R2	-176.798736	7.903067	166.408981	7.886035	T3R2	-163.10369	9.566582	-162.452931	9.562624
T2R1	-173.736018	7.853235	162.682099	7.856736	T4R1	-157.77598	9.514075	-155.991424	9.5035
T2R2	-171.619584	3.075035	163.736789	3.040371	T4R2	-155.536217	3.075973	-154.89616	3.033944
Ontrak S/N		Sub Size		PRE - RUN #		Date:		Time:	
10350511		9 1/2"		4		29-May-12		2:36	
Compensated Readings		PD12HM	AT12HM	PD12LM	AT12LM	PD34HM	AT34HM	PD34LM	AT34HM
Field Test		0.035	4.3852	0.0389	4.3254	0.1526	6.0235	0.0888	6.0325
Shop Test		0.021	4.3663	0.0469	4.3636	0.1496	6.0189	0.0818	6.0223
Difference		0.014	0.0189	-0.008	-0.0382	0.003	0.0046	0.007	0.0102
Pass/Fail		PASS		PASS		PASS		PASS	
Ontrak S/N		Sub Size		POST - RUN #		Date:		Time:	
10350511		9 1/2"		4		3-Jun-12		3:30	
Compensated Readings		PD12HM	AT12HM	PD12LM	AT12LM	PD34HM	AT34HM	PD34LM	AT34HM
Field Test		0.0153	4.4253	0.0524	4.4532	0.1563	6.0254	0.08541	6.0332

Shop Test	0.021	4.3663	0.0469	4.3636	0.1496	6.0189	0.0818	6.0223
Difference	-0.0057	0.059	0.0055	0.0896	0.0067	0.0065	0.00361	0.0109
Pass/Fail	PASS		PASS		PASS		PASS	
COMMENT:	Verification Passed							

<div>Definitive Surveys</div>	
<div>SURVEY CALCULATION METHOD : MINIMUM CURVATURE</div>	

ADVANTAGE Field Survey Listing												
Operator :Rashpetco Well :simian-Db Wellbore :Original Path Hole					Field Rig : Simian : Amirante				API No : Job :20MIER35			
Well Origin												
Latitude		32.10 deg				Longitude		30.77 deg				
North Reference		Grid				Drill Depth Zero		kelly Bushing				
Vertical Datum is		Mean Sea Level				Vertical Datum to DDZ		529.50 m				
Vertical Section North		0.00 m				Vertical Section East		0.00 m				
Vertical Section Azimuth		0.00 deg				Vertical Section Depth		0.00m				
Grid Convergence		0.12 deg				Magnetic Declination		3.98 deg				
Total Correction		4.10 deg				TVD Calculation Method		Minimal Curvature				
D-Row Calculation		Magcorr1				Local Magnetic Field		44188 nT				
Local Magnetic Dip Angle		47.48 deg				Local Gravity Field		9.795 m/s^2				
Tie	MD m	Incl deg	Azim deg	North m	East m	TVD m	VS m	Incr VS m	Crs Len m	DLS deg/30m	Build deg/30m	Turn deg/30m
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
	516.00	0.15	107.57	-0.21	0.66	516.00	-0.21	0.69	516.00	0.009	0.009	6.254
	530.00	0.87	356.58	-0.11	0.67	530.00	-0.11	0.79	14.00	2.016	1.544	-237.839
	541.00	0.87	14.25	0.06	0.69	541.00	0.06	0.96	11.00	0.733	0.000	48.185
	555.00	1.08	44.76	0.25	0.81	555.00	0.25	1.19	14.00	1.184	0.445	65.381
	565.00	0.85	84.01	0.33	0.95	564.99	0.33	1.35	10.00	2.054	-0.696	117.751
	570.00	1.46	64.22	0.36	1.04	569.99	0.36	1.45	5.00	4.317	3.656	-118.716
	577.00	1.35	32.77	0.47	1.17	576.99	0.47	1.61	7.00	3.297	-0.449	-134.800
	587.00	1.29	61.59	0.62	1.33	586.99	0.62	1.84	10.00	1.981	-0.204	86.457
	591.00	1.11	50.12	0.67	1.40	590.99	0.67	1.92	4.00	2.208	-1.285	-86.054
	645.00	0.24	96.48	0.99	1.91	644.98	0.99	2.53	54.00	0.536	-0.486	25.758
	674.00	0.46	74.67	1.02	2.09	673.98	1.02	2.71	29.00	0.263	0.229	-22.561
	702.00	0.22	30.66	1.09	2.22	701.98	1.09	2.86	28.00	0.365	-0.262	-47.152
	731.00	0.21	83.22	1.15	2.30	730.98	1.15	2.96	29.00	0.194	-0.011	54.372
	760.00	0.25	350.35	1.21	2.34	759.98	1.21	3.04	29.00	0.342	0.043	-96.073
	788.00	0.31	21.24	1.34	2.36	787.98	1.34	3.17	28.00	0.174	0.070	33.096
	817.00	0.44	87.67	1.42	2.50	816.98	1.42	3.33	29.00	0.437	0.126	68.722
	845.00	0.49	124.27	1.36	2.71	844.98	1.36	3.54	28.00	0.314	0.055	39.216
	873.00	0.38	95.37	1.29	2.89	872.98	1.29	3.75	28.00	0.258	-0.119	-30.967
	902.00	0.22	68.10	1.30	3.04	901.98	1.30	3.89	29.00	0.212	-0.159	-28.218
	931.00	0.13	197.28	1.29	3.08	930.98	1.29	3.94	29.00	0.328	-0.098	133.636
	959.00	0.09	173.85	1.24	3.08	958.98	1.24	3.99	28.00	0.060	-0.037	-25.099

987.00	0.22	275.62	1.22	3.03	986.98	1.22	4.04	28.00	0.271	0.134	109.035
1016.00	0.33	222.24	1.16	2.92	1015.98	1.16	4.17	29.00	0.273	0.113	-55.212
1045.00	0.28	212.04	1.04	2.82	1044.98	1.04	4.32	29.00	0.072	-0.045	-10.558
1073.00	0.37	279.16	1.00	2.70	1072.98	1.00	4.45	28.00	0.395	0.093	71.917
1102.00	0.31	298.45	1.05	2.54	1101.98	1.05	4.62	29.00	0.134	-0.065	19.955
1130.00	0.59	257.58	1.05	2.33	1129.98	1.05	4.83	28.00	0.440	0.304	-43.786
1158.00	0.49	250.51	0.98	2.07	1157.98	0.98	5.10	28.00	0.127	-0.105	-7.577
1187.00	0.59	245.08	0.88	1.82	1186.97	0.88	5.37	29.00	0.117	0.104	-5.624
1198.00	0.07	136.79	0.85	1.77	1197.97	0.85	5.43	11.00	1.689	-1.433	-295.329
1227.00	0.53	264.73	0.82	1.65	1226.97	0.82	5.55	29.00	0.592	0.474	132.348
1256.00	0.47	270.28	0.81	1.40	1255.97	0.81	5.80	29.00	0.080	-0.063	5.746
1284.00	0.49	262.77	0.80	1.17	1283.97	0.80	6.03	28.00	0.071	0.022	-8.049
1312.00	0.49	261.28	0.76	0.93	1311.97	0.76	6.27	28.00	0.014	0.000	-1.596
1341.00	0.43	274.32	0.75	0.70	1340.97	0.75	6.50	29.00	0.122	-0.057	13.495
1370.00	0.44	290.34	0.80	0.49	1369.97	0.80	6.72	29.00	0.126	0.009	16.575
1398.00	0.50	297.23	0.89	0.28	1397.97	0.89	6.95	28.00	0.085	0.060	7.374
1427.00	0.62	299.87	1.03	0.03	1426.97	1.03	7.23	29.00	0.126	0.123	2.735
1455.00	0.69	307.88	1.21	-0.23	1454.96	1.21	7.55	28.00	0.125	0.078	8.582
1484.00	0.58	301.85	1.39	-0.49	1483.96	1.39	7.87	29.00	0.133	-0.114	-6.234
1512.00	0.50	302.17	1.53	-0.72	1511.96	1.53	8.13	28.00	0.088	-0.088	0.337
1541.00	0.43	294.40	1.64	-0.92	1540.96	1.64	8.37	29.00	0.096	-0.071	-8.033
1569.00	0.37	285.16	1.71	-1.10	1568.96	1.71	8.56	28.00	0.091	-0.060	-9.907
1598.00	0.42	276.34	1.74	-1.30	1597.96	1.74	8.76	29.00	0.079	0.048	-9.119
1626.00	0.47	269.15	1.75	-1.52	1625.96	1.75	8.98	28.00	0.081	0.055	-7.704
1644.00	0.53	251.16	1.73	-1.67	1643.96	1.73	9.13	18.00	0.278	0.100	-29.987

<div> BAKER HUGHES</div> <div>INTEQ Propagation Resistivity. Gamma Ray. Annular Pressure. ECD Memory Log 17.5" Hole Section</div>	Company	Burullus Gas Company			
	Well	Simian-Db			
	Field	Simian			
	Country	Egypt	State	West Delta Deep Marine	
	Well Location:		Elevations		Other Services:
Latitude: 32° 06' 17.07987" N		Elev. KB 26 m		Surveys, VSS.	
Longitude: 30° 45' 59.61201" E		Elev. DF 26 m			
UTM Zone: X : 592966.289 m E Y : 1043380.202 m N		Sea Bed/GL -503 m			