

VISION Service

1:500 Measured Depth

Recorded Mode Log

Company: Beach Petroleum Ltd

Well: Spikey Beach-1

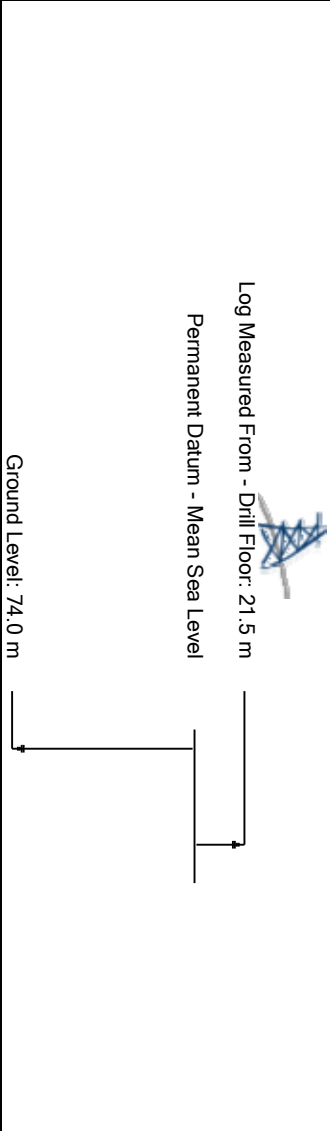
Field: Exploration

County: n/a

State: Tasmania

Country: Australia

Section:	Custom:
Township:	Rig Name: Ocean Patriot
Range:	Rig Type: Semi Submersible
FL:	Exploration
FL1:	
FL2:	



Acquisition Dates:		Other Services:
Print Interval:	803.0(m) to 2100.2(m)	Directional Surveys
Index Types:	Measured Depth	
Index Scales:	1:500	
Depth Source:	Driller's Depth	
Depth Sensor:	DES	
Conveyance:	Drill Pipe	
Print Type:	Final	
Spud Date:	05-Sep-2009	

Disclaimer

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 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.

Contents

1. Header

2. Disclaimer

3. Contents

4. Survey Record

5. Merge Composite

5.1 Software Version

5.2 Composite Summary

5.3 Log ( Quad Combo RM VISION Service )

6. Tail

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 :	0.73 deg		

Rig Location			
Latitude :	40° 28' 53.9" S	Longitude :	145° 52' 24.71" E

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:	0.00 deg

D&I Inits Computed and Values Used - Run 1			
Geomagnetic Model :	BGGM 2009	Geomagnetic Date :	07-Sep-2009
Computed Location B :	61230.34 nT +/- 300.00nT	Used Location B :	61230.34 nT +/- 300.00nT
Computed Location G :	999.55 mgn +/- 2.50mgn	Used Location G :	999.55 mgn +/- 2.50mgn
Computed Magnetic Dip :	-70.91 deg +/- 0.45deg	Used Magnetic Dip :	-70.91 deg +/- 0.45deg
Computed Magnetic Dec :	12.97 deg	Used Magnetic Dec :	12.97 deg
Computed Total Correction :	12.24 deg	Used Total Correction :	12.24 deg

D&I Inits Computed and Values Used - Run 2			
Geomagnetic Model :	BGGM 2009	Geomagnetic Date :	10-Sep-2009
Computed Location B :	61230.23 nT +/- 300.00nT	Used Location B :	61230.23 nT +/- 300.00nT
Computed Location G :	999.55 mgn +/- 2.50mgn	Used Location G :	999.55 mgn +/- 2.50mgn
Computed Magnetic Dip :	-70.91 deg +/- 0.45deg	Used Magnetic Dip :	-70.91 deg +/- 0.45deg
Computed Magnetic Dec :	12.97 deg	Used Magnetic Dec :	12.97 deg
Computed Total Correction :	12.24 deg	Used Total Correction :	12.24 deg

Survey Quality Index		
0 : Long, passed all criteria	9 : Manual	10 : DMAG-Corrected

Survey Correction Index														
0 : No correction														

Seq	MD (m)	Incl (deg)	Azim (deg)	Course (m)	TVD (m)	V Sec (m)	N/ -S (m)	E/ -W (m)	Closure (m)	at Azi (deg)	DLS deg/30m	Tool Type	QI	CI
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP		
2	179.35	0.24	83.43	179.35	179.35	0.04	0.04	0.37	0.38	83.43	0.04	Manual	10	
3	206.93	0.26	40.89	27.58	206.93	0.10	0.10	0.47	0.48	78.39	0.20	Manual	10	
4	294.67	0.37	50.63	87.74	294.67	0.43	0.43	0.82	0.93	62.51	0.04	Manual	10	
5	338.42	0.10	101.79	43.75	338.42	0.51	0.51	0.97	1.09	62.25	0.22	Manual	10	
6	352.67	0.17	96.28	14.25	352.67	0.50	0.50	1.00	1.12	63.26	0.15	Manual	10	
7	382.26	0.19	48.22	29.59	382.26	0.53	0.53	1.08	1.20	63.80	0.15	Manual	10	
8	468.33	0.04	55.57	86.07	468.33	0.64	0.64	1.21	1.37	62.02	0.05	Manual	10	
9	514.50	0.11	259.09	46.17	514.50	0.64	0.64	1.18	1.35	61.39	0.10	Manual	10	
10	556.06	0.15	276.07	41.56	556.06	0.64	0.64	1.09	1.26	59.43	0.04	Manual	10	
11	642.56	0.27	259.55	86.50	642.56	0.62	0.62	0.78	0.99	51.45	0.05	Manual	10	

11	642.50	0.27	259.55	86.50	642.50	0.02	0.02	0.78	0.99	51.45	0.03	Manual	10	
12	727.80	0.25	254.10	85.24	727.80	0.53	0.53	0.40	0.66	36.95	0.01	Manual	10	
13	755.00	0.16	261.45	27.20	755.00	0.51	0.51	0.30	0.59	30.91	0.10	Manual	10	
14	786.24	0.17	245.91	31.24	786.24	0.48	0.48	0.22	0.53	24.39	0.04	Manual	10	
15	803.80	0.18	263.56	17.56	803.80	0.47	0.47	0.17	0.50	19.67	0.09	Manual	10	
16	879.04	0.43	77.12	75.24	879.04	0.52	0.52	0.33	0.61	32.23	0.24	TeleScope	0	0
17	990.83	0.34	90.11	111.78	990.82	0.61	0.61	1.08	1.24	60.31	0.03	TeleScope	0	0
18	1078.27	0.31	90.35	87.44	1078.26	0.61	0.61	1.58	1.69	68.83	0.01	TeleScope	0	0
19	1164.94	0.40	84.09	86.67	1164.93	0.64	0.64	2.12	2.21	73.16	0.03	TeleScope	0	0
20	1221.27	0.44	97.02	56.33	1221.26	0.63	0.63	2.53	2.61	75.91	0.06	TeleScope	0	0
21	1338.66	0.51	93.25	117.39	1338.64	0.55	0.55	3.50	3.55	81.09	0.02	TeleScope	0	0
22	1367.75	0.54	94.83	29.09	1367.73	0.53	0.53	3.77	3.81	81.99	0.03	TeleScope	0	0
23	1456.65	0.52	105.25	88.90	1456.63	0.39	0.39	4.57	4.59	85.12	0.03	TeleScope	0	0
24	1530.18	0.55	90.58	73.53	1530.15	0.30	0.30	5.24	5.25	86.74	0.06	TeleScope	0	0
25	1596.34	0.49	77.67	66.16	1596.31	0.36	0.36	5.84	5.85	86.51	0.06	TeleScope	0	0
26	1625.50	0.47	69.82	29.16	1625.48	0.42	0.42	6.08	6.09	86.01	0.07	TeleScope	0	0
27	1682.67	0.41	85.01	57.16	1682.63	0.52	0.52	6.50	6.52	85.40	0.07	TeleScope	0	0
28	1767.94	0.46	80.24	85.27	1767.90	0.61	0.61	7.14	7.17	85.14	0.02	TeleScope	0	0
29	1858.33	0.33	65.19	90.39	1858.29	0.78	0.78	7.73	7.77	84.27	0.06	TeleScope	0	0
30	1913.35	0.48	64.16	55.02	1913.31	0.94	0.94	8.08	8.13	83.35	0.08	TeleScope	0	0
31	1941.91	0.47	69.15	28.56	1941.87	1.03	1.03	8.29	8.36	82.89	0.04	TeleScope	0	0
32	2028.47	0.60	92.17	86.56	2028.43	1.14	1.14	9.08	9.15	82.83	0.09	TeleScope	0	0
33	2076.18	0.73	87.08	47.71	2076.13	1.15	1.15	9.63	9.70	83.20	0.09	TeleScope	0	0
34	2100.00	0.73	87.08	23.82	2099.95	1.16	1.16	9.93	10.00	83.32	0.00	Manual	9	

Merge Composite														

Software Version														
Acquisition System									Version					
MaxWell									1.2.8706.0					
Framework Patch									FWK-BGC-20090709-1.2.8706.1016					
Application Patch									APL-BGC-DnM-1.2.8706.1021					
Computation				Description								Version		
SYSTEM ENSEMBLE														

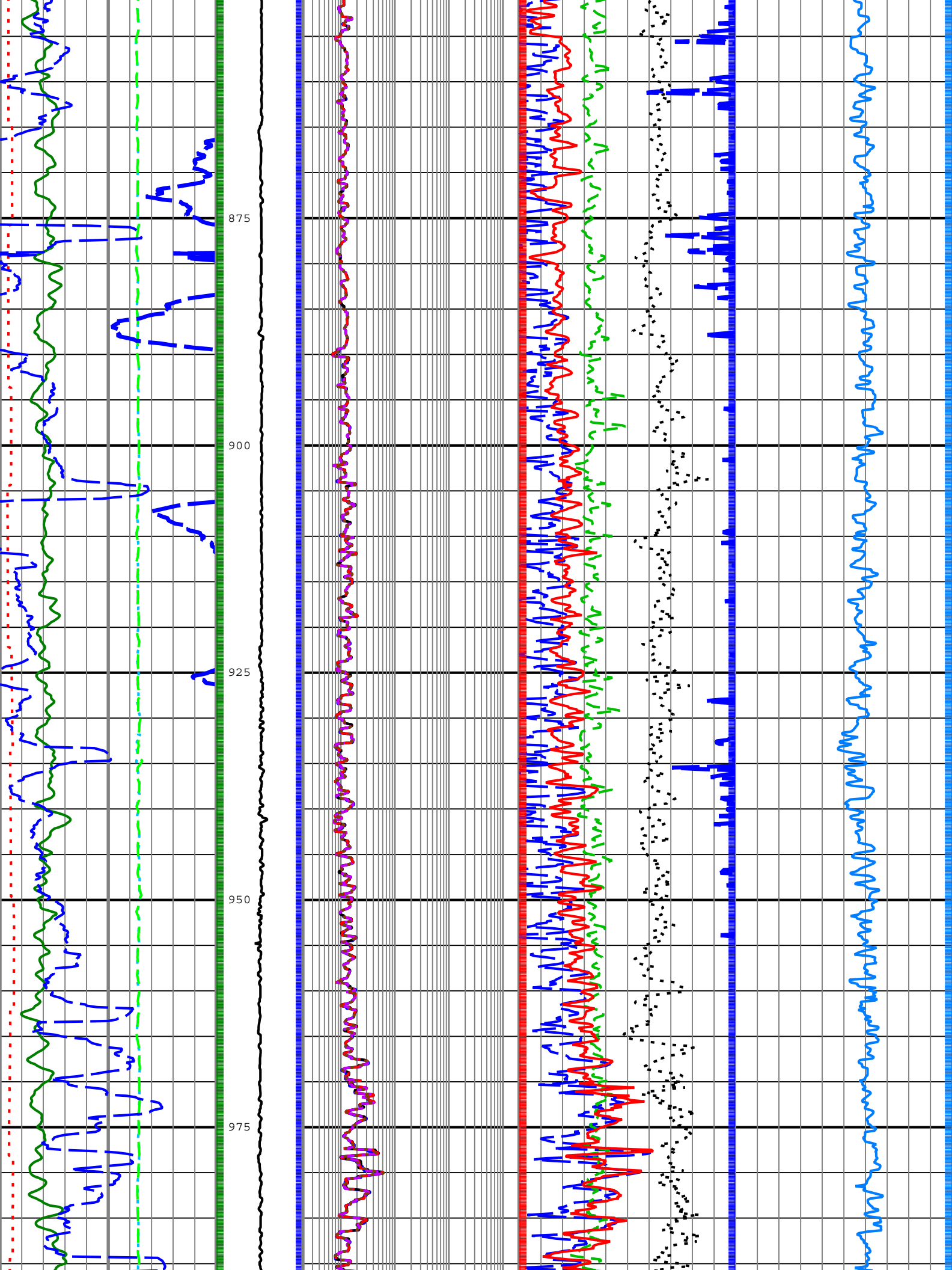
Computation		Description					Version
SYSTEM ENSEMBLE							
Composite Summary							
Run Name	Pass Objective	Direction	Top	Bottom	Acquisition Start Date	Acquisition Start Time	
Run 2	LasFileLap	Down	180.00 m	2089.88 m			
Run 1	LasFileLap	Down	180.14 m	2100.22 m			
All depths are referenced to toolstring zero							

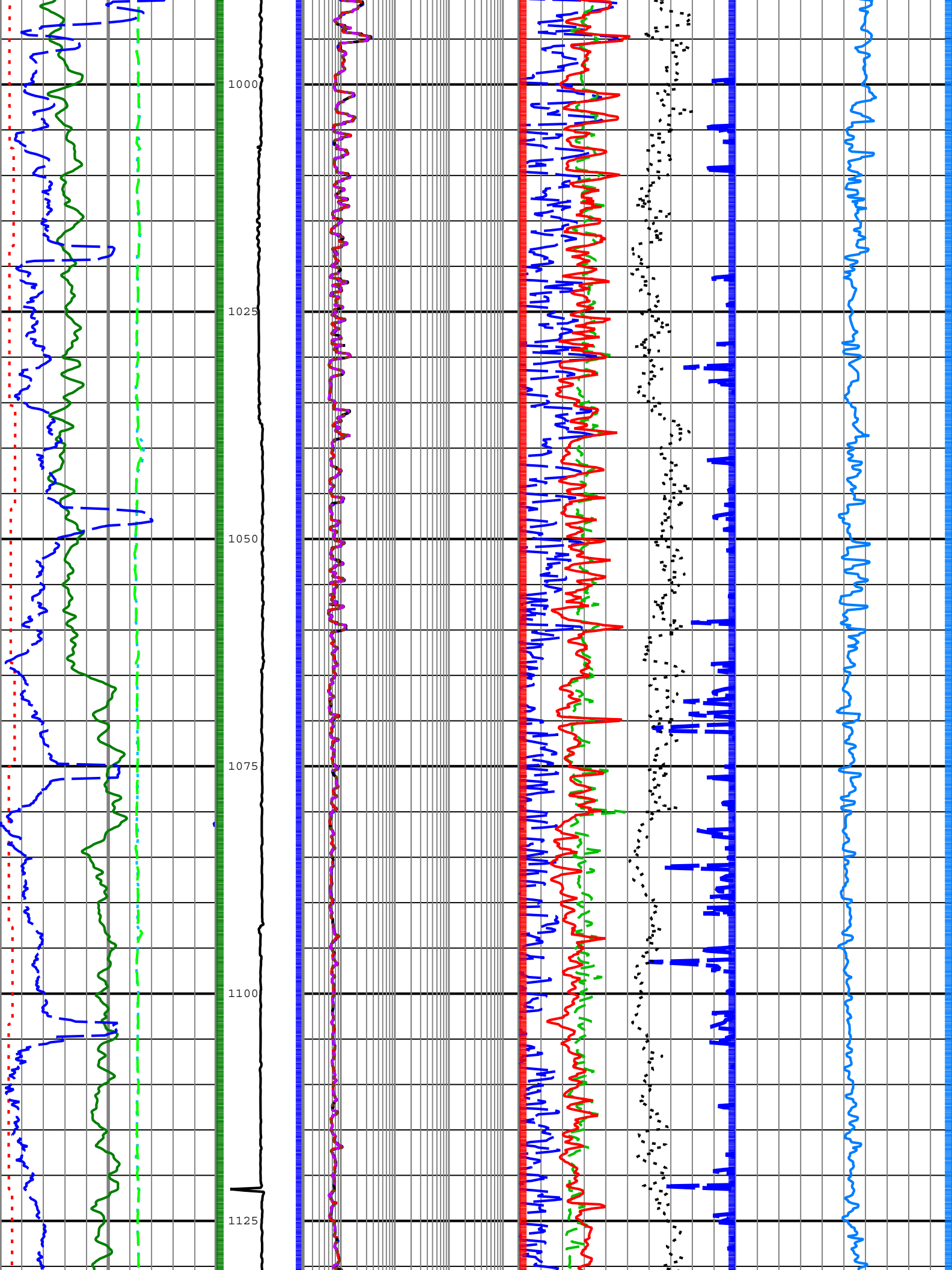
Log		Merge Composite B2AAB10F-B8EC-4FBD-B520-EAF63200D08D												
-----	--	--	--	--	--	--	--	--	--	--	--	--	--	--

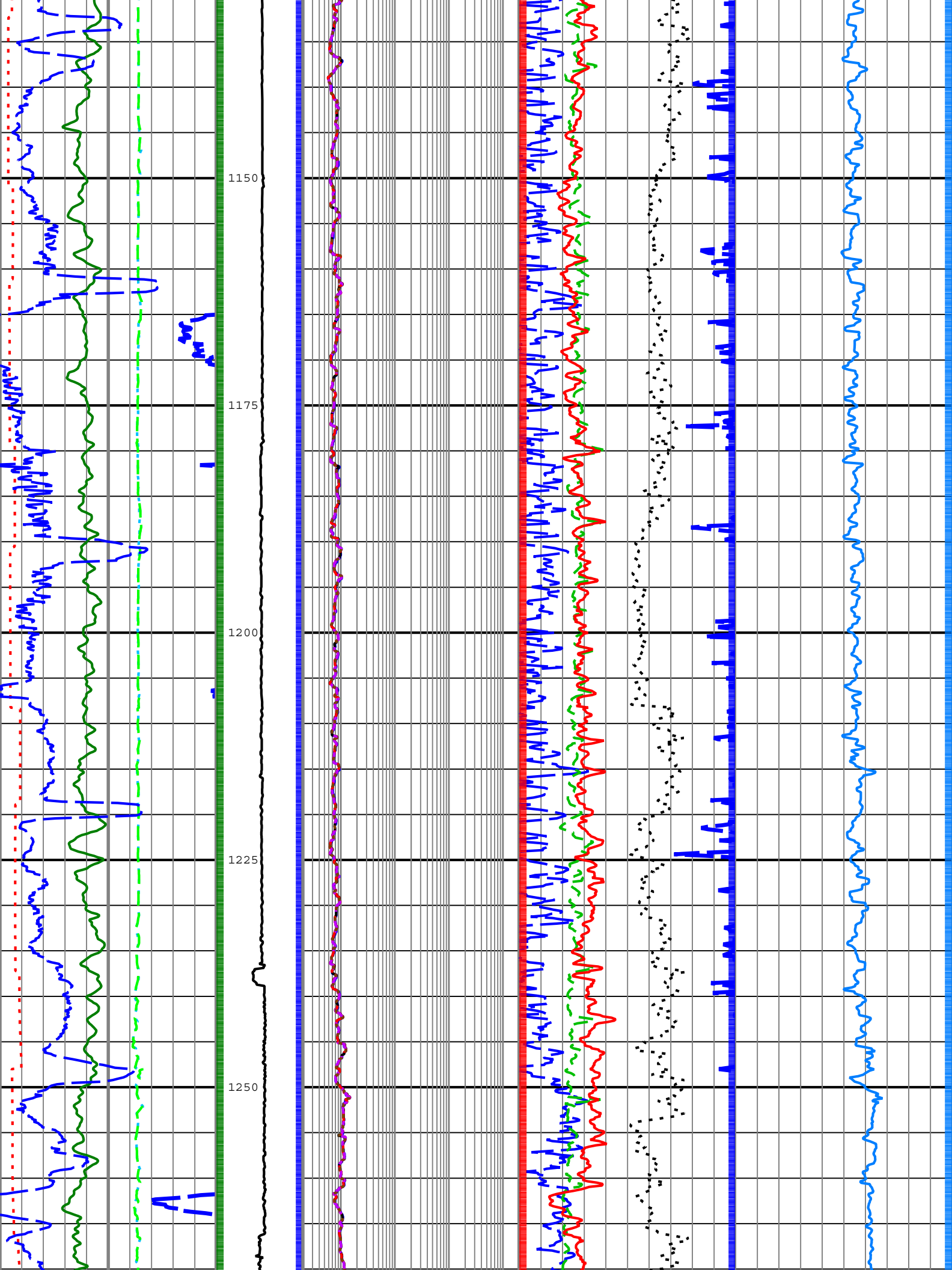
Description: ARC Dual Frequency Resistivity RT    Format: Log ( Quad Combo RM VISION Service )    Index Scale: 1:500    Index Unit: m    Index Type: Measured Depth  
Creation Date: 17-Sep-2009 10:36:47

DRHO	6in - RM	Run #1:LasFileLap
DTCO	6in - RM	Run #2:LasFileLap
GR	6in - RM	Run #2:LasFileLap
HORD	6in - RM	Run #1:LasFileLap
P16H	6in - RM	Run #1:LasFileLap
P22H	6in - RM	Run #1:LasFileLap
P28H	6in - RM	Run #1:LasFileLap
P34H	6in - RM	Run #1:LasFileLap
P40H	6in - RM	Run #1:LasFileLap

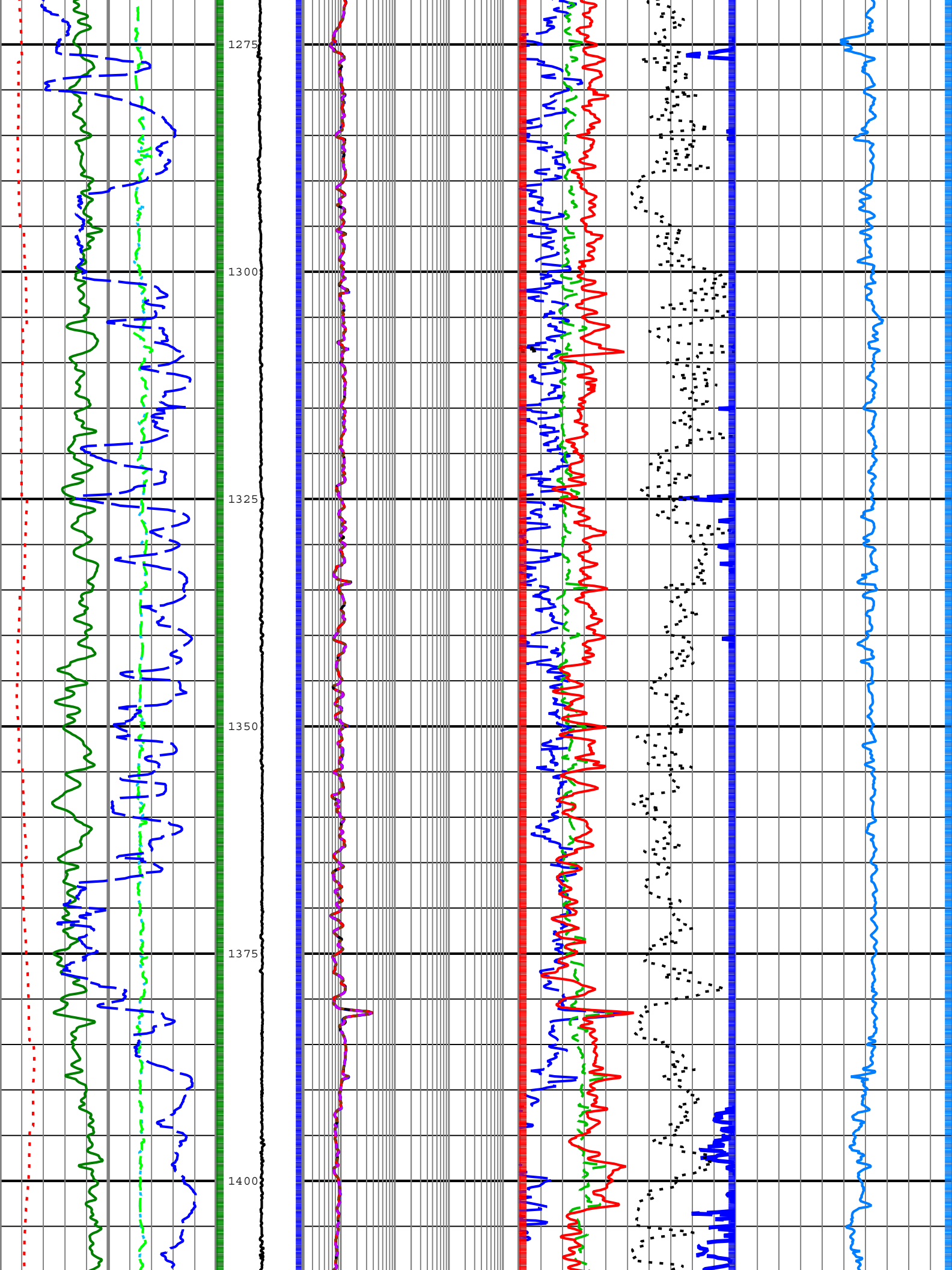




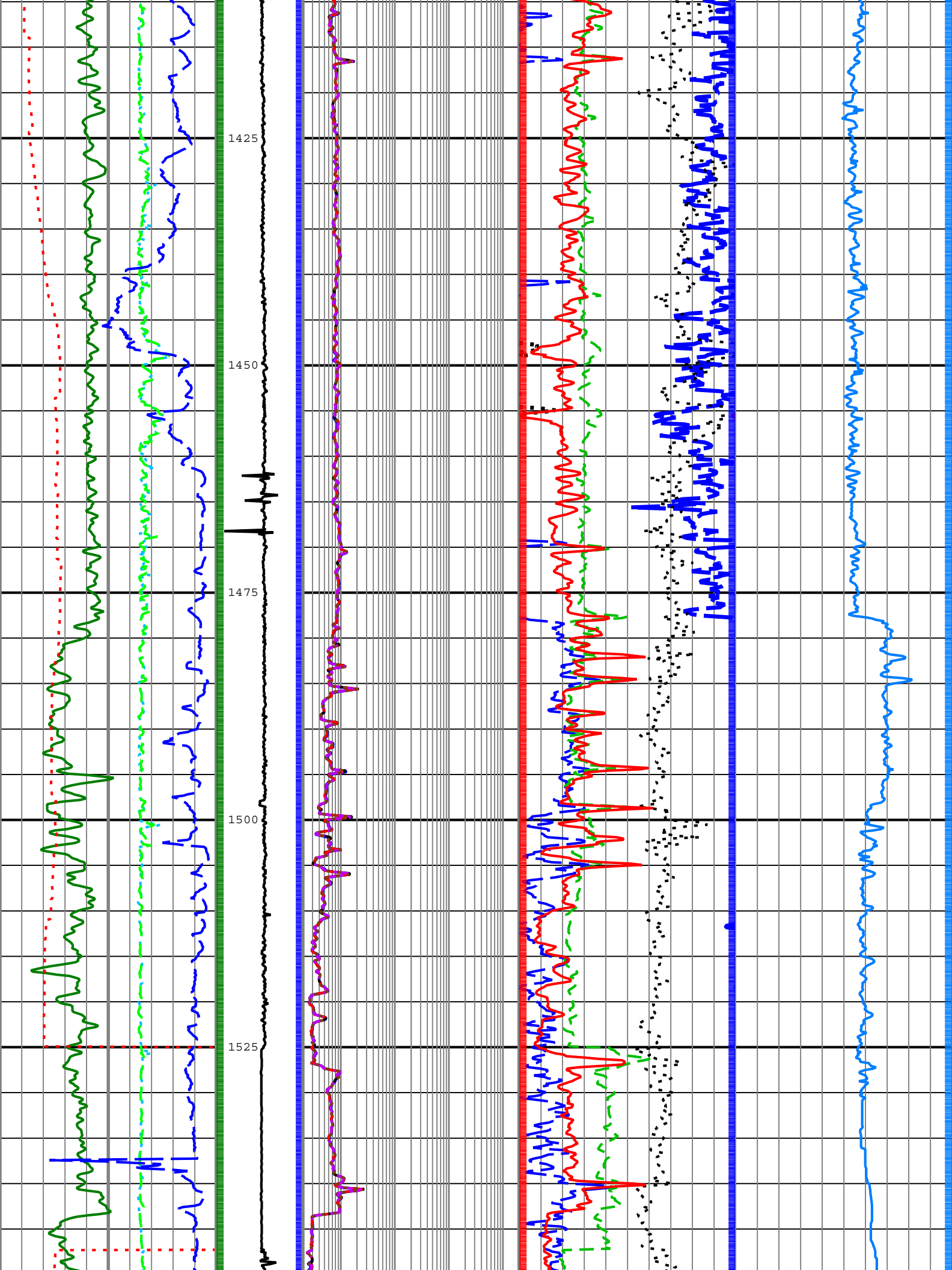


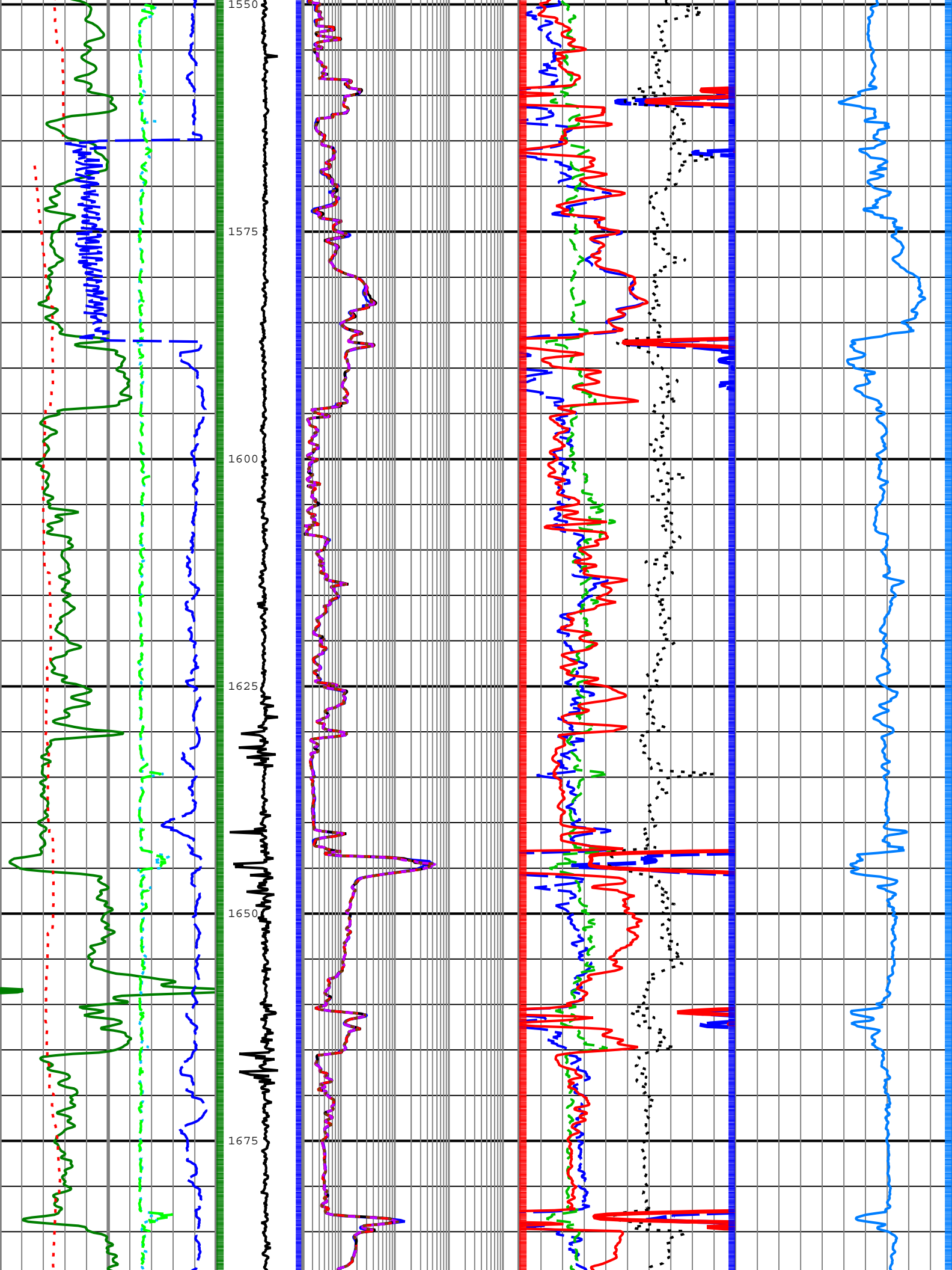


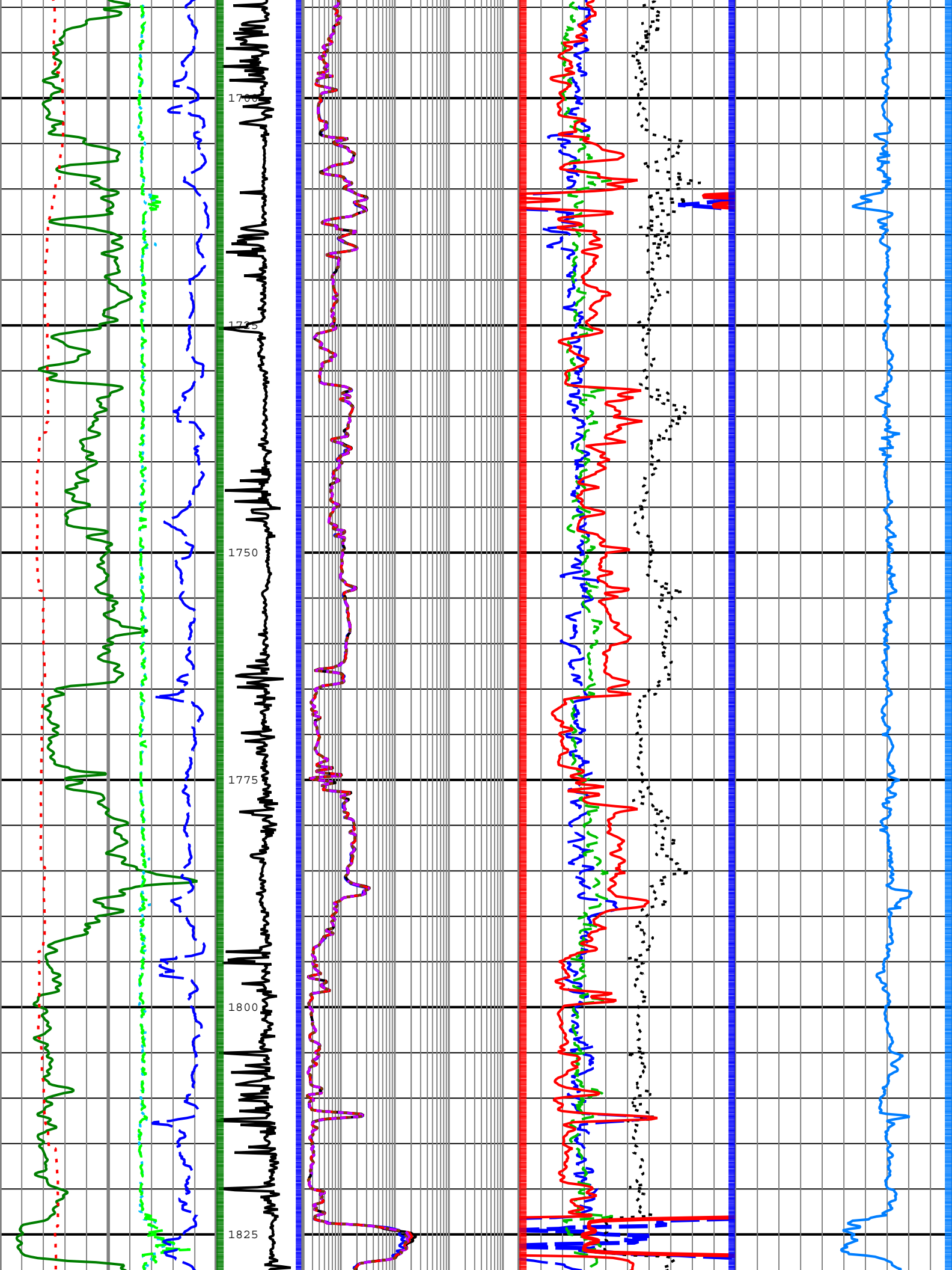


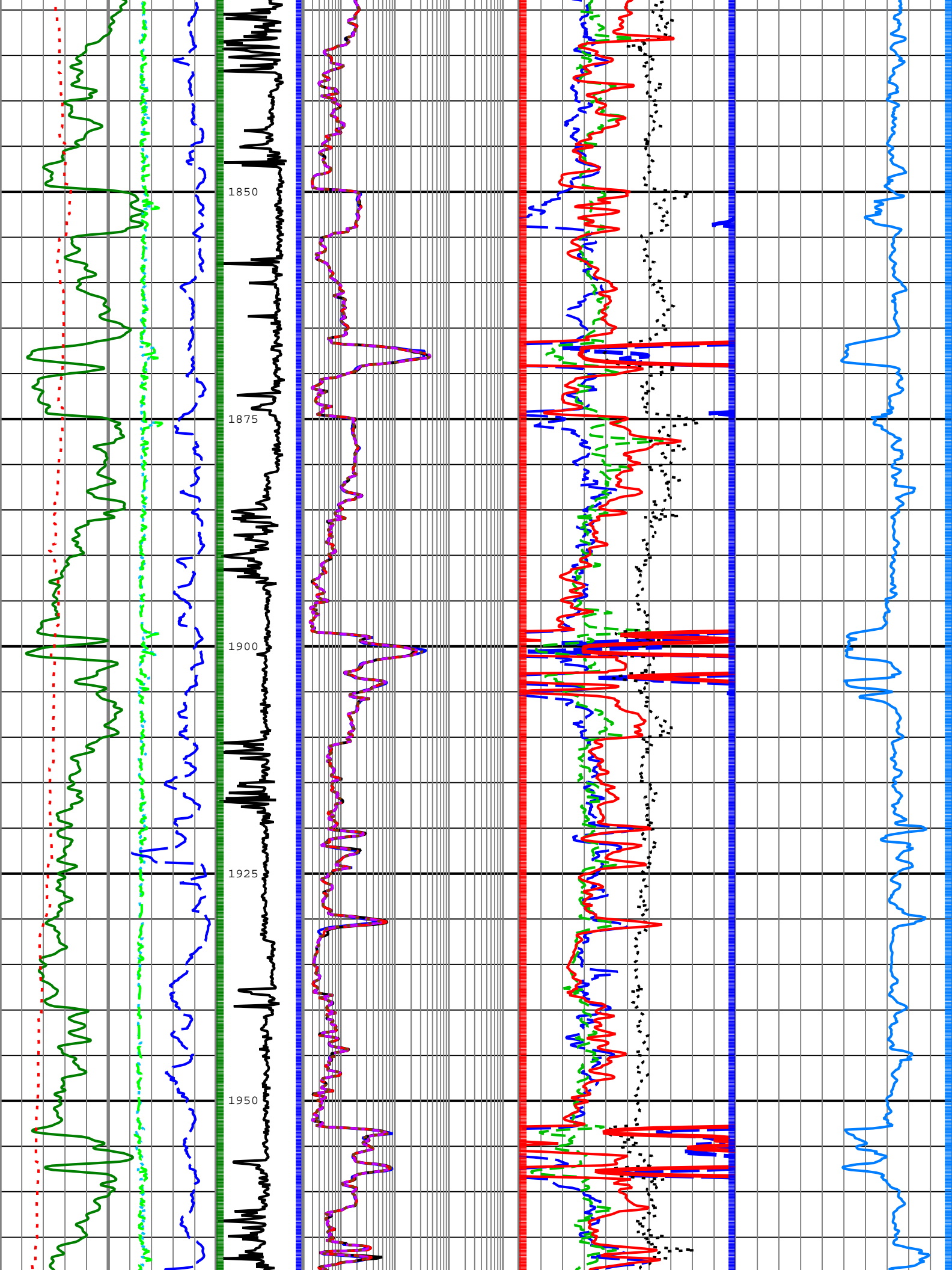


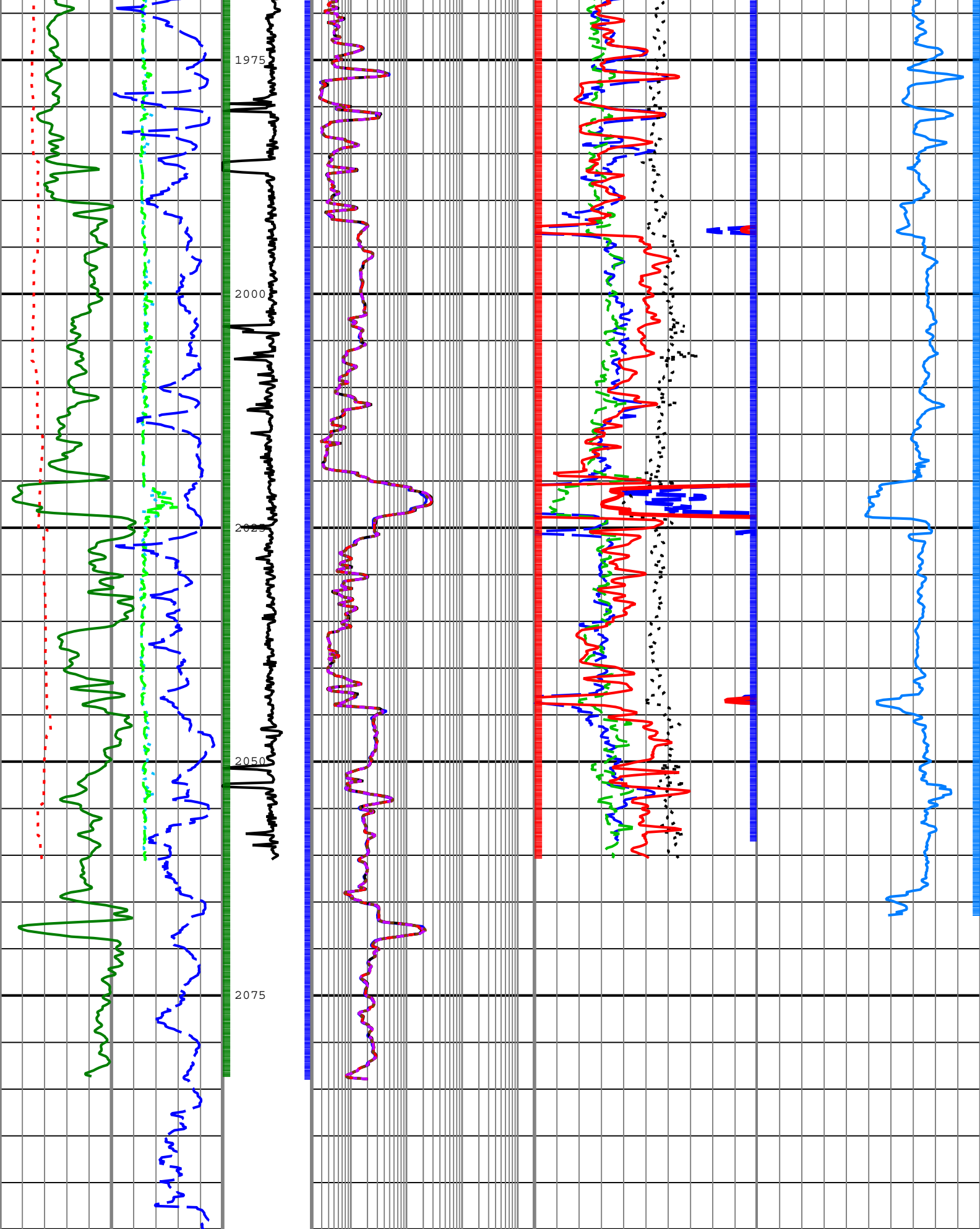












Gamma Ray (GR)		Rotational	Phase Shift Resistivity 16 inch	Thermal Neutron Porosity (Ratio	Delta-T Compressional (DTCO)
gAPI		Speed (RPM)	Spacing at 2 MHz, Environmentally	Method) in Selected Lithology	
200			Corrected. (P16H)	(TNPH)	us/ft
Horizontal Hole Diameter (HORD)		0 c/min 250			40

Horizontal Hole Diameter (HHD)		
6	in	16
Vertical Hole Diameter (VERD)		
6	in	16
Density Time After Bit (TAB_DEN)		
0	h	10
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5)		
200	m/h	0

0.2	ohm.m	2000
Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H)		
0.2	ohm.m	2000
Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H)		
0.2	ohm.m	2000
Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H)		
0.2	ohm.m	2000
Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H)		
0.2	ohm.m	2000

45	pu	-15
Photoelectric Factor (PEF)		
0		10
Bulk Density Correction (DRHO)		
-0.25	g/cm3	0.25
Bulk Density (RHOB)		
1.95	g/cm3	2.95

TNPH - Thermal Neutron Porosity (Ratio Method) in Selected Lithology

GR - Gamma Ray

P16H - Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected.

DTCO - Delta-T Compressional

RHOB - Bulk Density

Description: ARC Dual Frequency Resistivity RT Format: Log ( Quad Combo RM VISION Service ) Index Scale: 1:500 Index Unit: m Index Type: Measured Depth  
Creation Date: 17-Sep-2009 10:36:47

Company: Beach Petroleum Ltd

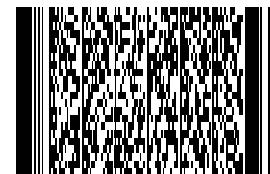
Well: Spikey Beach-1

Field: Exploration

County: n/a

State: Tasmania

Country: Australia



Schlumberger

VISION Service  
1:500 Measured Depth  
Recorded Mode Log