Company: **Woodside Energy Limited**

Well: **Thylacine−1** **Exploration**

Field: **Permit T/30P**

Rig: **Ocean Bounty** State: **Tasmania**

Rig: Ocean Bounty
Field: Permit T/30P
Location: Otway Basin, Offshore Victoria
Well: Thylacine−1
Company: Woodside Energy Limited

Schlumberger

APWD / MVC / IWOB Log
Measured Depth
Scale 1:500

Location

Total depth:	2710 m
Spud date:	5 May 2001
Runs:	1 To 2

Elevation

Water Depth	101.4 m
RT to LAT	25.0 m
RT to Seabed	126.4 m

Permanent datum:	Lowest Astronomical Tide	Elev.: 0 m
Log measured from:	Rotary Table	25.0 m above Perm. datum
Depth reference:	Driller's Pipe Tally	

API serial no.	Vertical Section	Longitude	Latitude
	0 deg	E 142 54' 44.169"	S 39 14' 27.592"

Depth logged:	1855 m To 2706 m	Mag decl:	11.08 deg	Other services:	
Date logged:	14 May 01 To 18 May 01	Mag dip:	−70.40 deg	MWD	

Bore hole record

Hole size	from	to
12.25 in	752 m	1855 m
8.5 in	1855 m	2710 m

Casing record

Size	Density	from	to
13.375 in	61 lb/ft	126.4 m	745.3 m
9.625 in	47 lb/ft	126.4 m	1849.9 m

Mud record

Type	from	to
KCl/Polymer	1855 m	2710 m

Borehole deviation record

Min	Max	from	to
1.48 deg	2.97 deg	1855 m	2710 m

Surface equipment		Software record	
Unit	TWIS	IDEAL Wis	6.1c_03
Depth system	Geolograph	SPM	6.1c_03
		LWD	6.3
		MWD	6.1

IDEAL
services from
Anadrill

Bit Run Summary

Run number		1	2		
Bit size	in	8.5	8.5		
Bit start depth	m	1855	2201		
Bit end depth	m	2165	2710		
Top interval logged	m	1850	2161		
Bottom interval logged	m	2161	2706		
Begin log: time		4:20	21:05		
Begin log: date		14 May 01	16 May 01		
End log: time		7:10	19:40		
End log: date		15 May 01	18 May 01		
Mud data					
Depth	m	2165	2710		
Type		KCl/Polymer	KCl/Polymer		

Type		KCl/Polymer	KCl/Polymer								
Mud weight	sg	1.26	1.33								
Solids	%vol	12	15								
Chlorides	mg/l	58,000	52,000								
Rm	ohm.m@degC	0.084@28	0.102@24								
Rmf	ohm.m@degC	0.072@27	0.085@24								
Rmc	ohm.m@degC	0.129@27	0.267@24								
Potassium	mg/l	44,000	40,000								
Environmental data											
GR											
Mud weight	sg	1.26	1.33								
Bit size	in	8.5	8.5								
Resistivity											
Neutron porosity											
Hole Size											
Mud weight											
Temperature											
Mud salinity											
Formation salinity											
Recording rate 1	SEC	5 sec	5 sec	ARC GR							
Recording rate 2	SEC	5 sec	5 sec	ARC RES							
Filtering GR		3 point	3 point								
Filtering density											
Filtering Neutron											
Company representative		D.Bell	P.Gibson	M.Bilek							
Anadrill personnel		A.Strahan	L.Muskett	M.Saicic							

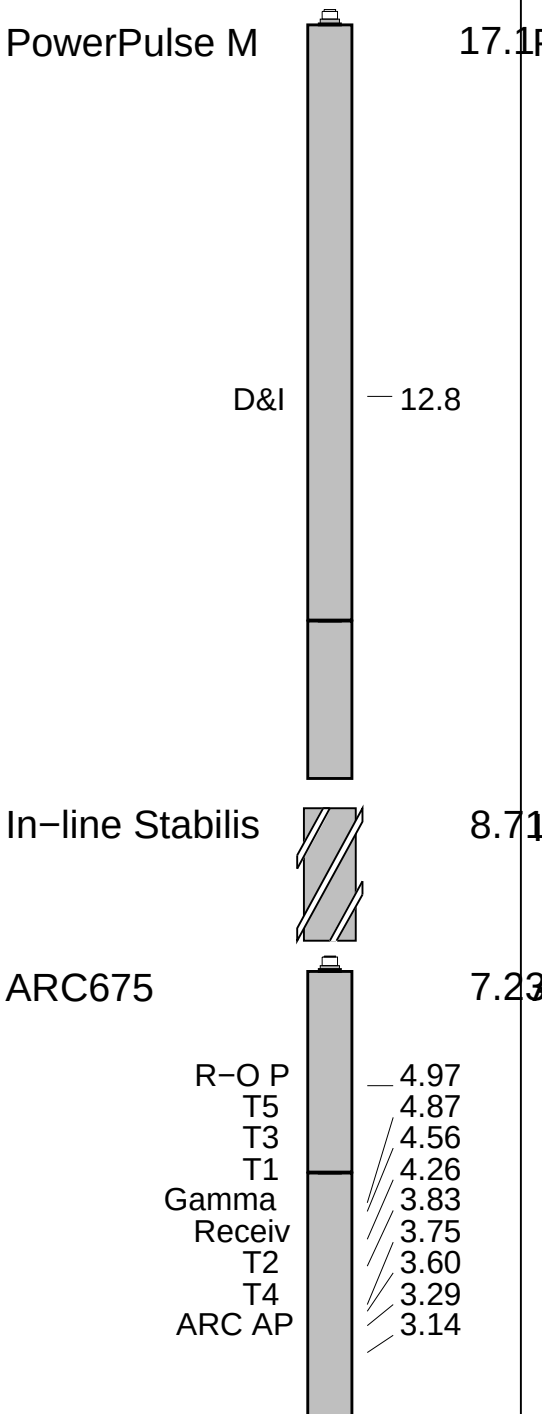
OTHER SERVICES FOR RUN1	OTHER SERVICES FOR RUN2	OTHER SERVICES FOR RUN
MWD Surveys 4−Axis vibration/shock monitoring APWD monitoring	MWD Surveys DWOB/DTORQ APWD monitoring	
REMARKS: RUN NUMBER 1	**REMARKS: RUN NUMBER 2**	**REMARKS: RUN NUMBER**
Rotary drilled from 1850−2165m Environmental conditions applied:− ARC GR: K+, borehole size and mud weight ARC resistivity is borehole compensated but not environmentally corrected 13 May 01 16:00 Initilise ARC#087 with 5sec GR, 2MHz and 400kHz resistivity configuration 18:15 BHA below rotary table 14 May 01 4:20 On bottom drilling 8 1/2" hole at 1855m 15 May 01 7:10 TD at 2165m for coring 13:20 BHA above rotary table. Retrieve ARC memory data.	Ream for logging data from 2165−2201m Rotary drill from 2201−2710m Environmental conditions applied:− ARC GR: K+, borehole size and mud weight ARC resistivity is borehole compensated but not environmentally corrected 16 May 01 14:50 Initilise ARC#087 with 5sec GR, 2MHz and 400kHz resistivity configuration 16:00 BHA below rotary table 21:05 Ream down to acquire LWD data from 2165−2201m 17 May 01 00:15 On bottom drilling at 2201m 18 May 01 19:40 TD at 2710m 19 May 01 12:45 BHA above rotary table. Retrieve ARC memory data. Remarks Run2: Geolograph used for tracking logging depth failed at start of run. Where indicated mudloggers depth/time file	

logging depth failed at start of run.
Where indicated mudloggers depth/time file used to reconstruct depth log file. Possible error matching logging data to correct depth.

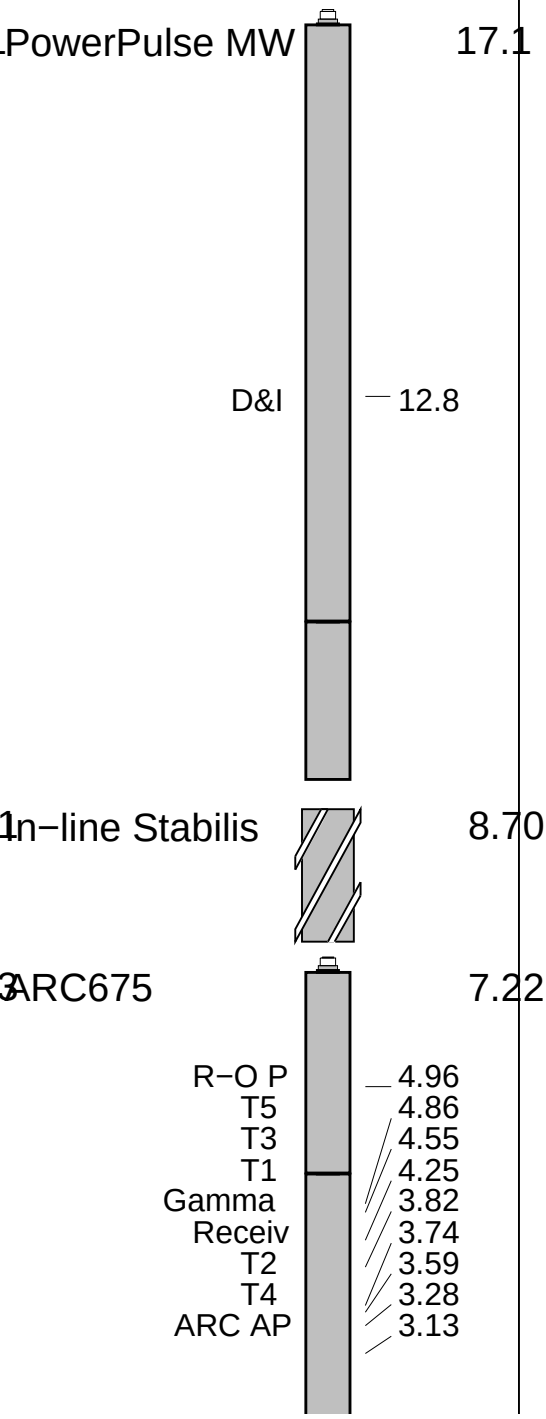
EQUIPMENT DESCRIPTION

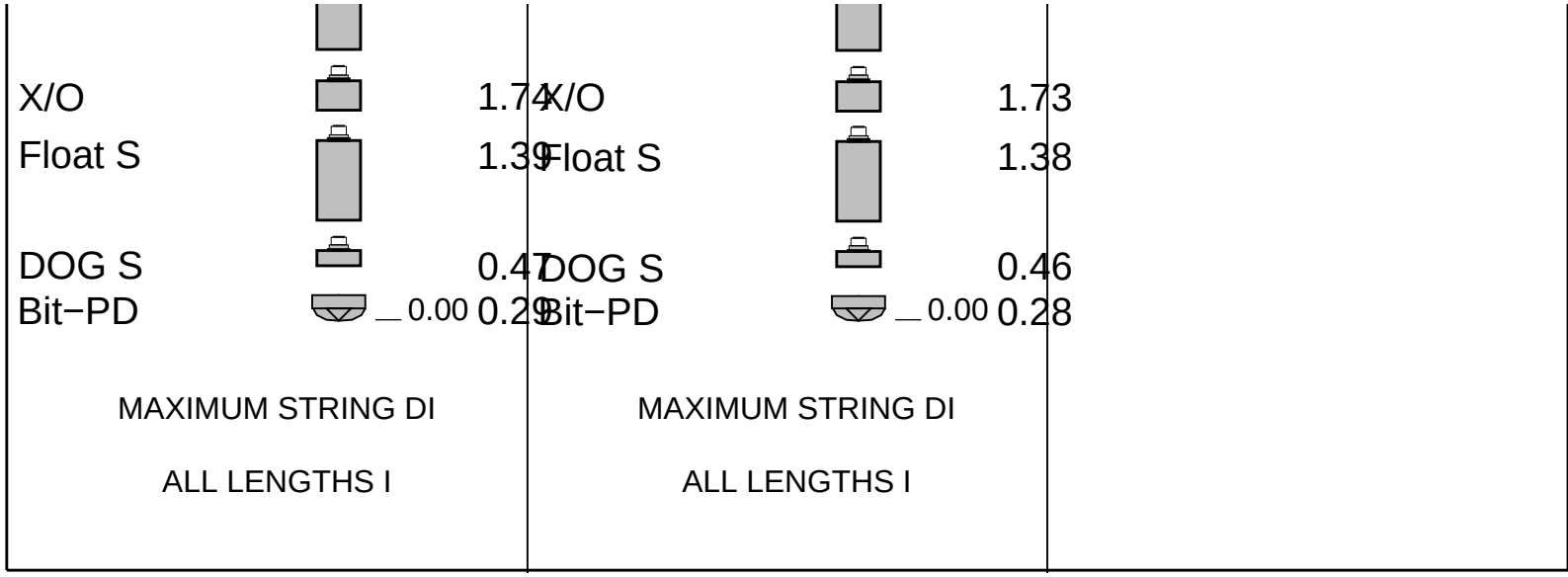
RUN1	RUN2	RUN

DOWNHOLE EQ



DOWNHOLE E





DrillMech Log

IDEAL Version: ID6_1C_10 <MD > Vertical Scale: 1:500 Graphics File Created: 28−May−2001 08:25

TUR_RPM (TRPM_RT)
2000 (RPM) 3000

ARC Non−BHCorr Phase−Shift Resistivity 40−in. at 2 MHz (P40H_UNC)
0.2 (OHMM) 200

MWD Shock Rate (SHKR_RT)
0 (SH/S) 100

SWOB (SWOB)
0 (KLBF) 60

Equivalent Circulating Density (ECD_ARC)
8 (LB/G) 18

ARC Calibrated, Filtered Gamma Ray (GR_ARC_FILT)
0 (GAPI) 200

ARC Non−BHCorr Phase−Shift Resistivity 34−in. at 2 MHz (P34H_UNC)
0.2 (OHMM) 200

MWD Lateral Vib (VIBLAT_RT)
0 (−−−− 60

DTOR (DTOR_RT)
0 (KFLB) 20

Annulus Temperature (ATMP)
50 (DEGC) 150

Rate of Penetration, Averaged over Last 5ft (ROP5_RM)
200 (M/HR) 0

ARC Non−BHCorr Phase−Shift Resistivity 28−in. at 2 MHz (P28H_UNC)
0.2 (OHMM) 200

MWD Vib X−Axis (VIBX_RT)
0 (−−−− 30

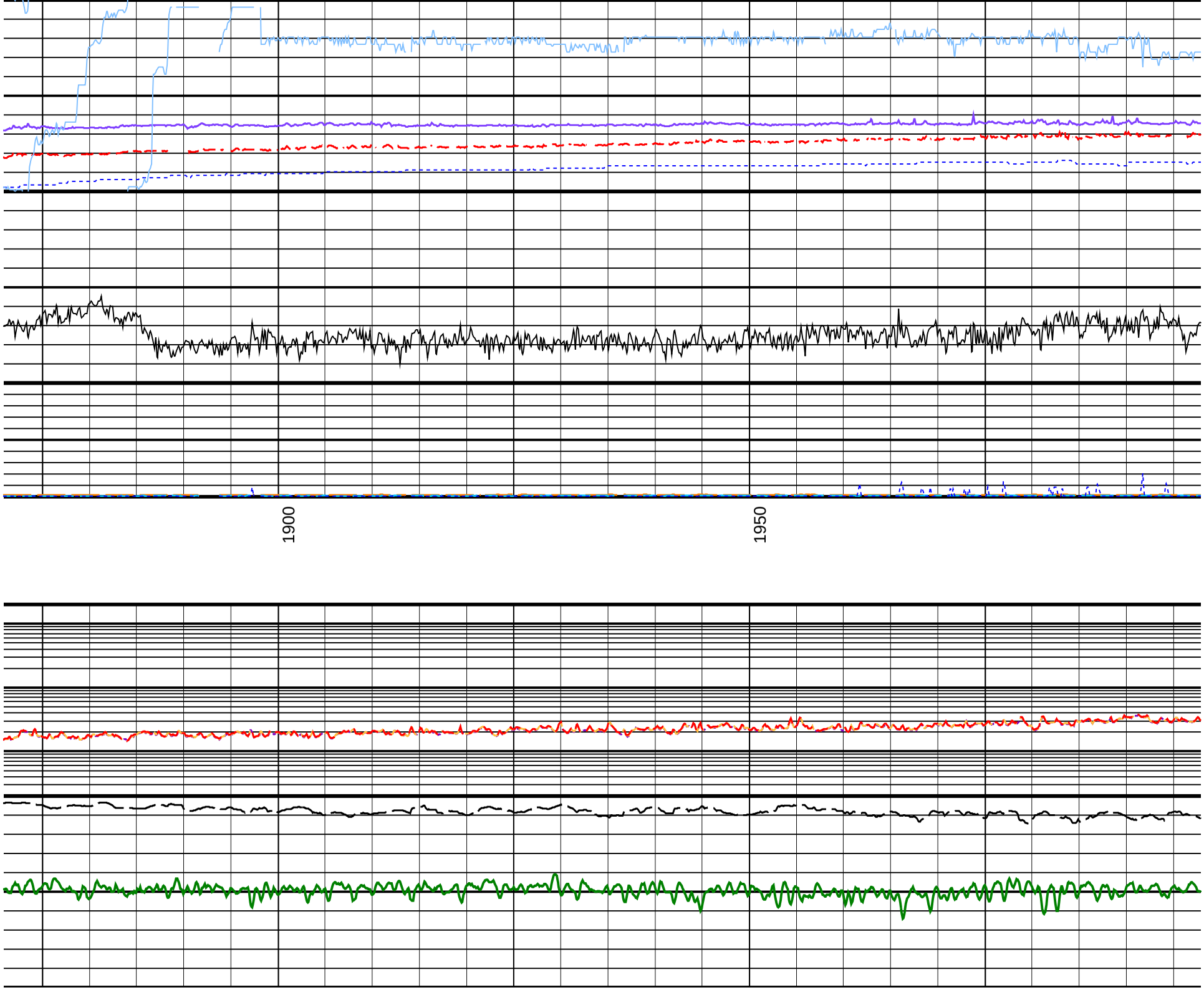
DWOB (DWOB_RT)
0 (KLBF) 60

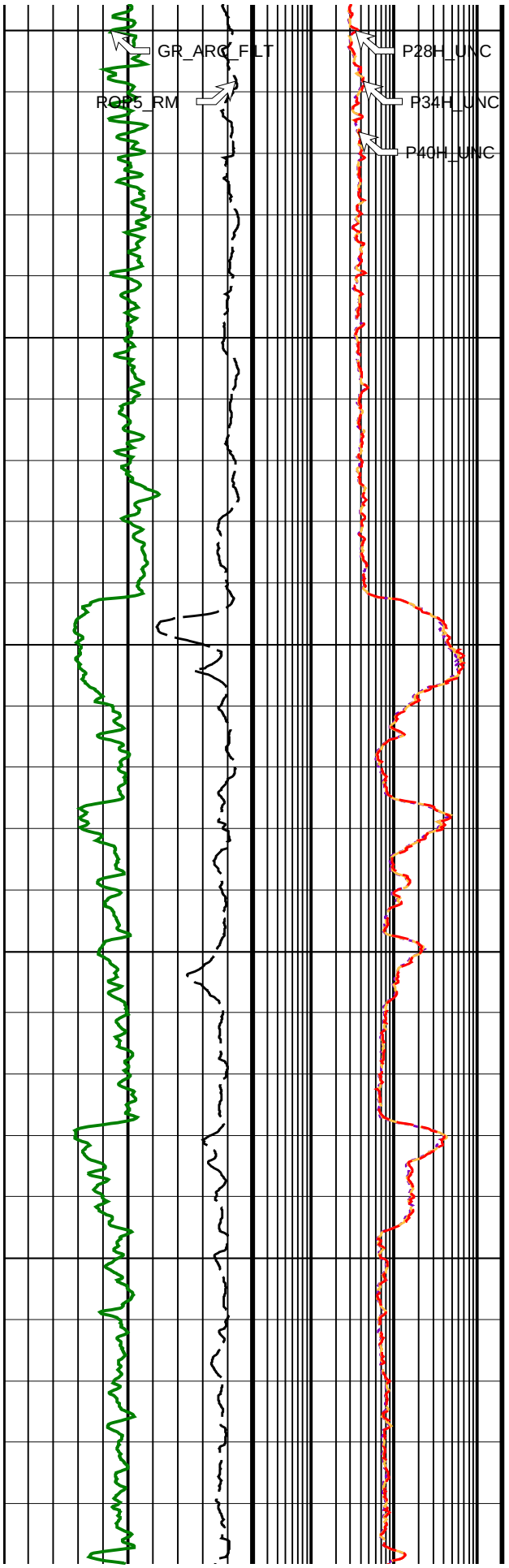
Annulus Pressure (APRS)
3000 (PSI) 6000

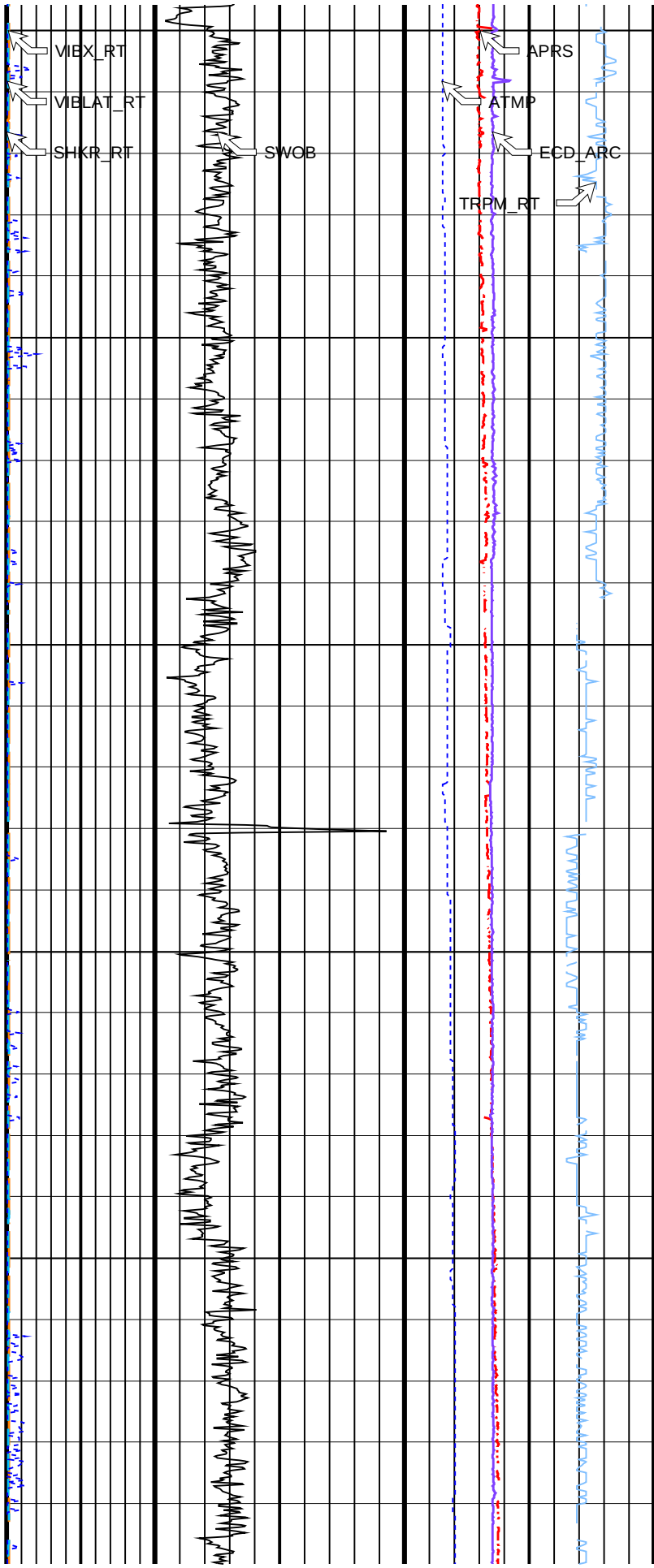
9 5/8" casing shoe at 1849.5m

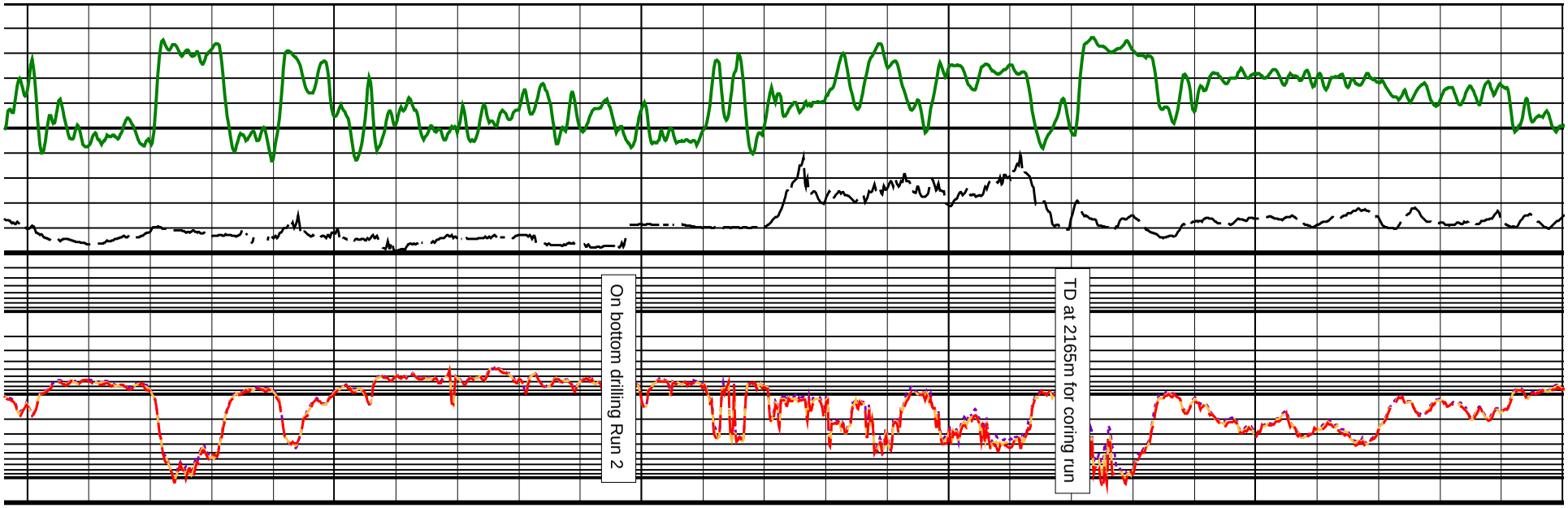
8 1/2" hole section at 1855m

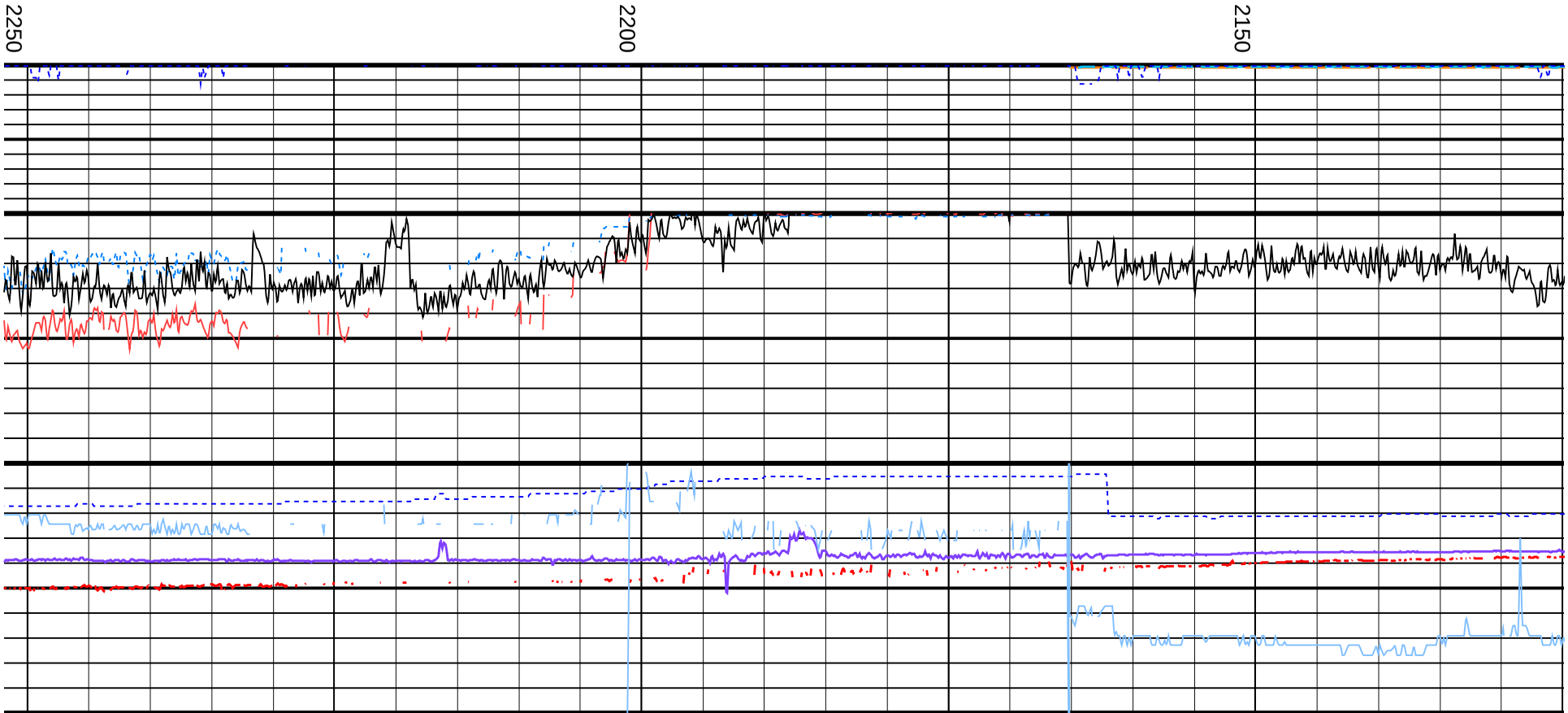
1850

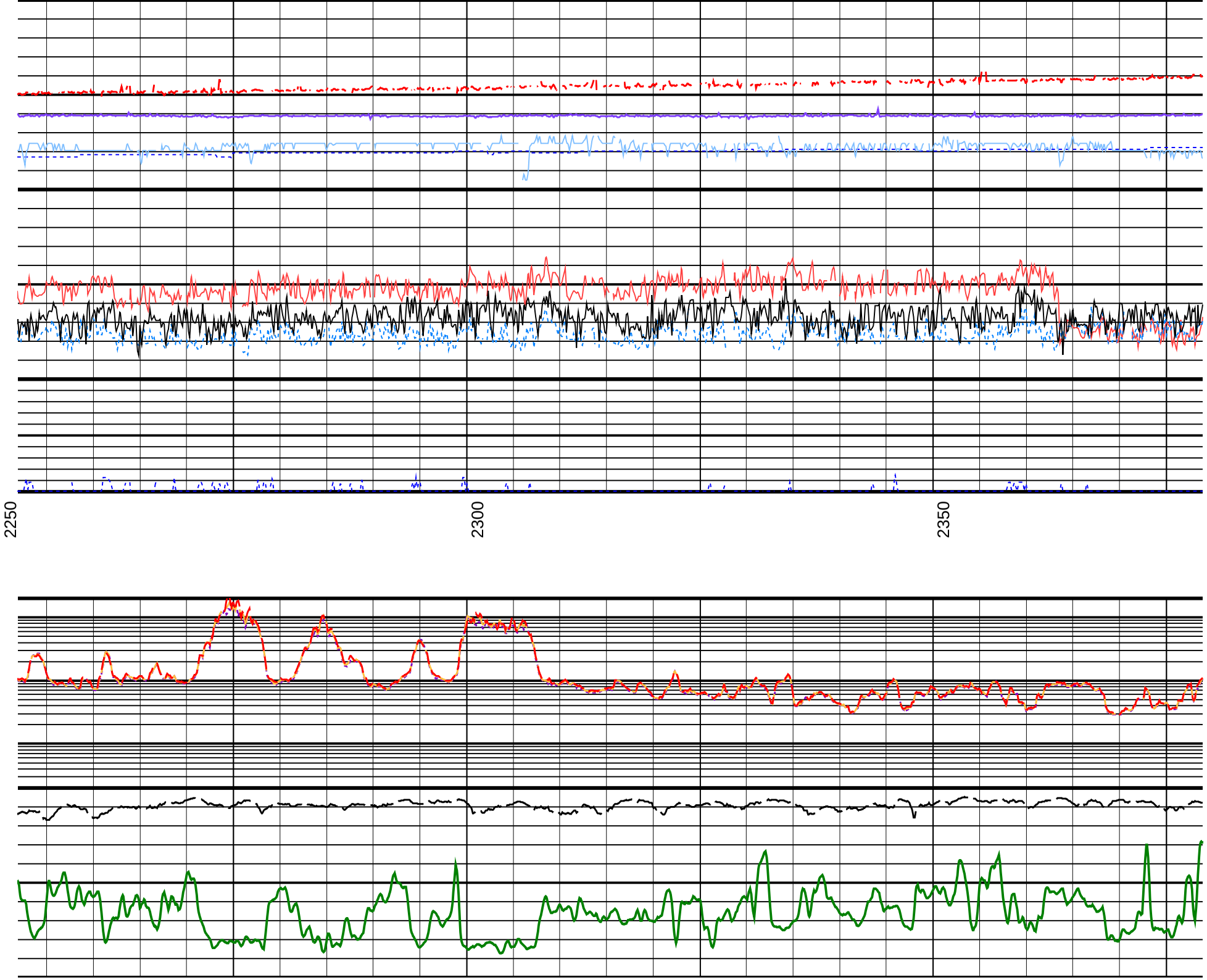

1900
1950

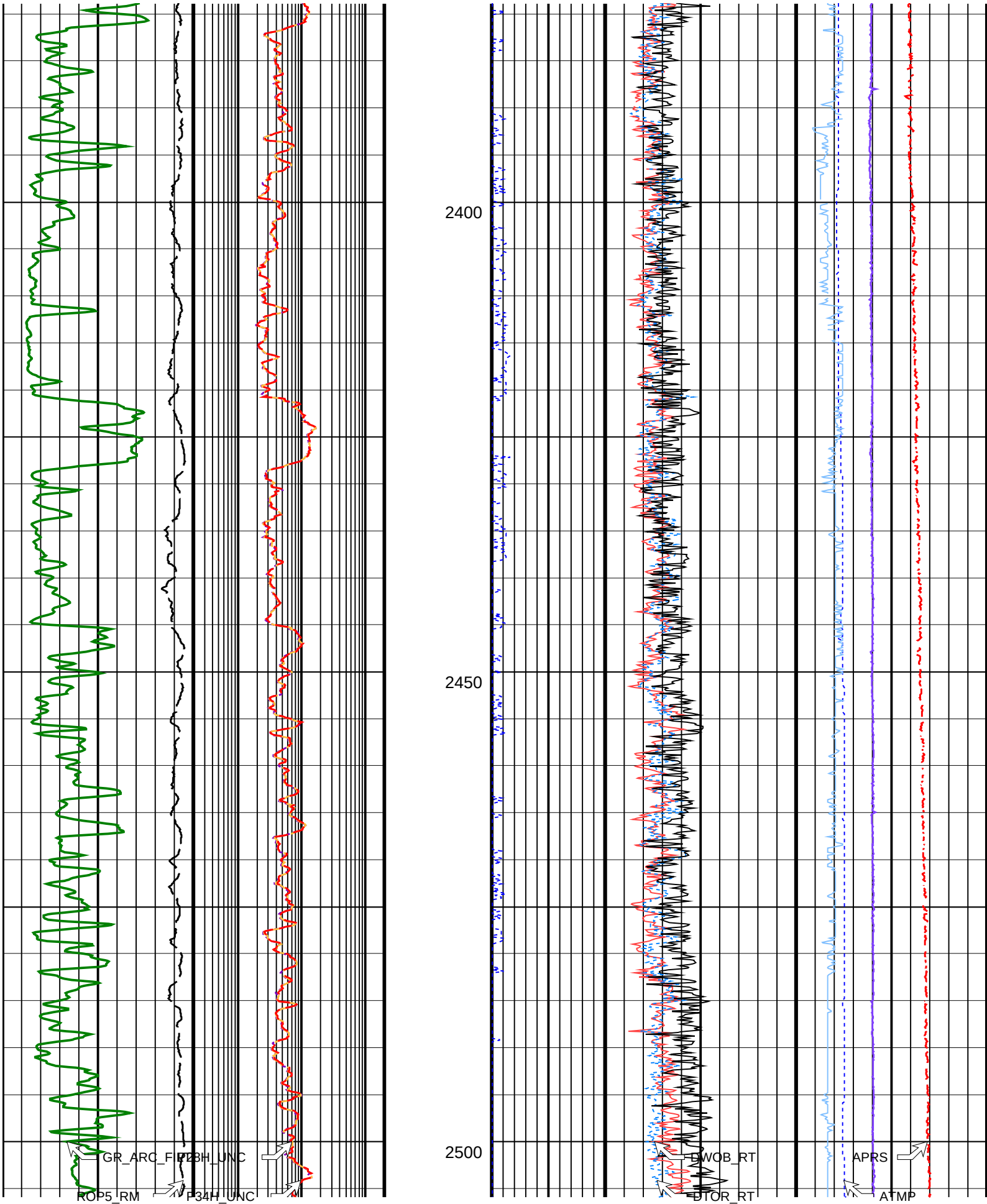

GR_ARC_FLT
RQP5_RM
P28H_UNC
P34H_UNC
P40H_UNC

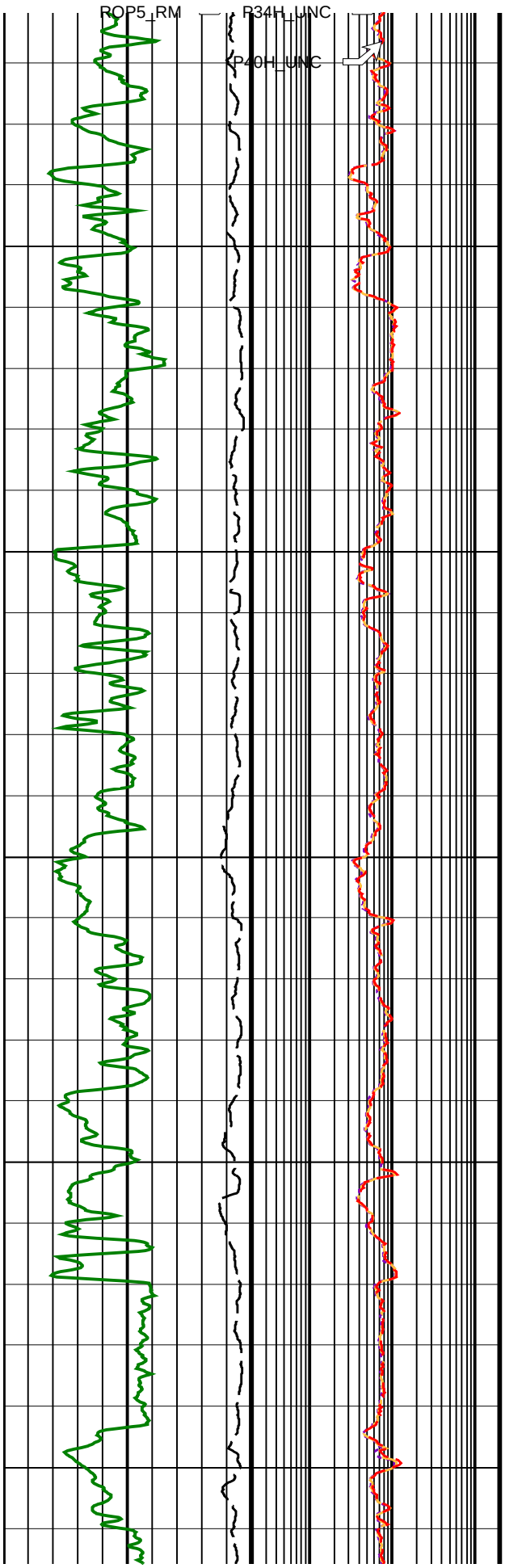

2000
2050
2100
VIBX_RT
VIBLAT_RT
SHKR_RT
SWOB
APRS
ATMP
ECD_ARC
TRPM_RT

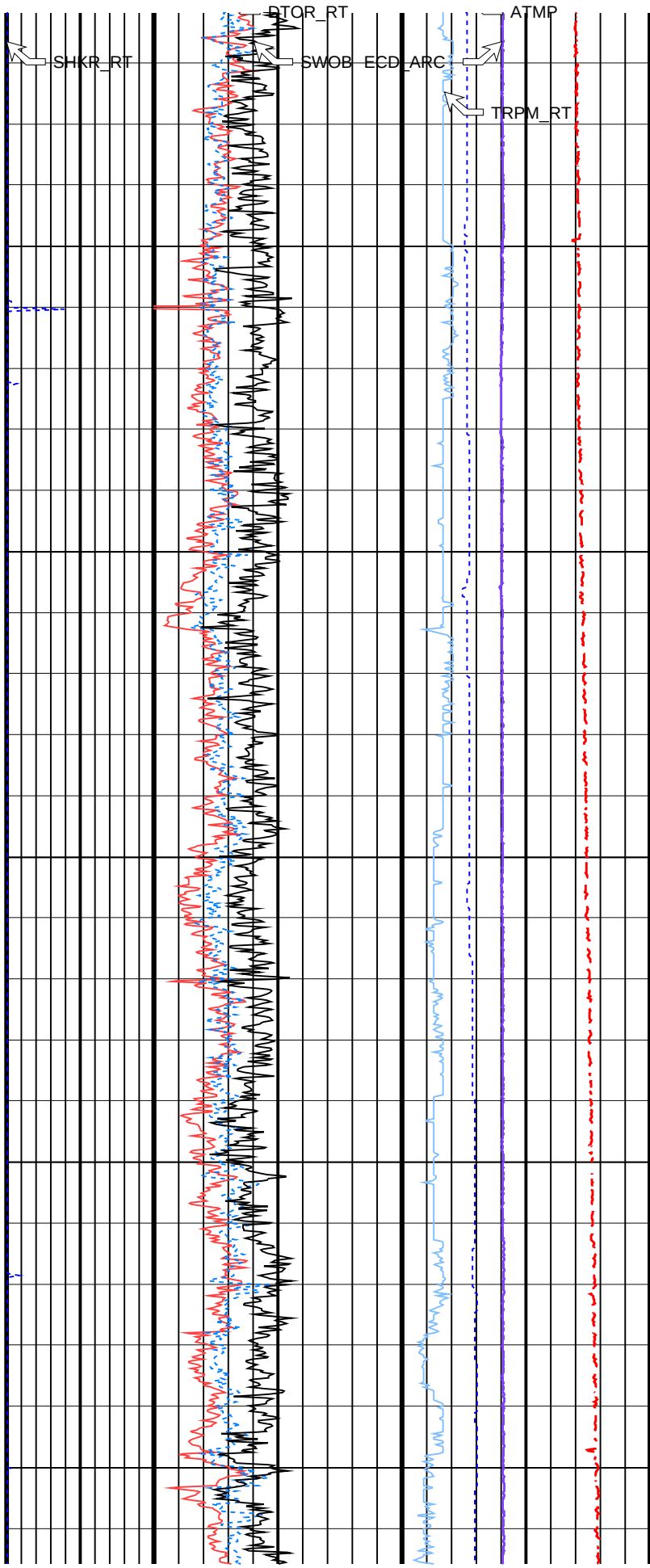

On bottom drilling Run 2
TD at 2165m for coring run

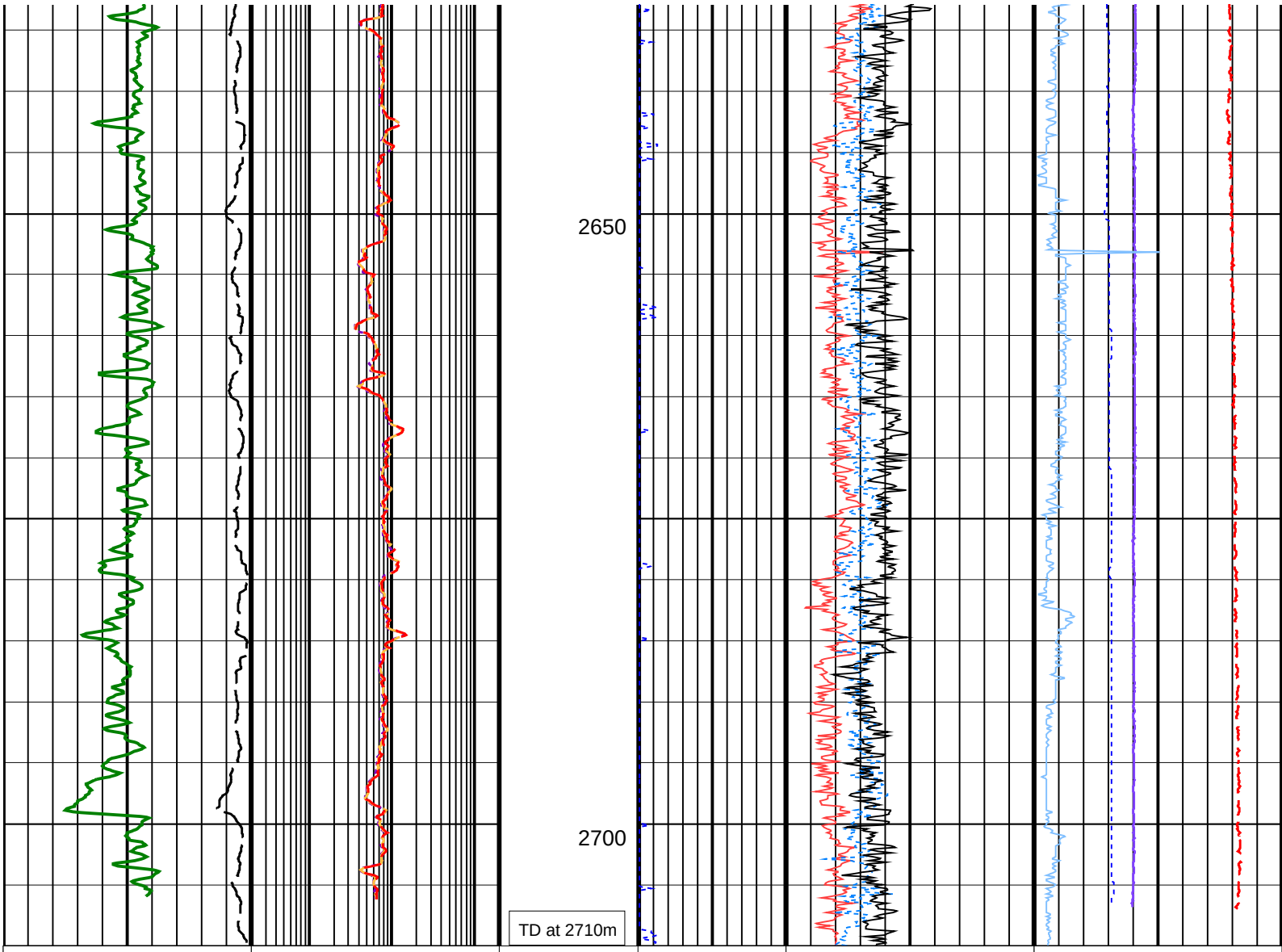

2250
2200
2150


2250
2300
2350


2400
2450
2500
GR_ARC_F
ROP5_RM
P34H_UNC
DWOB_RT
DTOR_RT
APRS
ATMP


ROP5_RM
R34H_UNC
P40H_UNC


DTOR_RT
ATMP
SHKR_RT
SWOB_ECD_ARC
TRPM_RT
2550
2600



Rate of Penetration, Averaged over Last 5ft (ROP5_RM) 200 (M/HR) 0	ARC Non−BHCorr Phase−Shift Resistivity 28−in. at 2 MHz (P28H_UNC) 0.2 (OHMM) 200	MWD Vib X−Axis (VIBX_RT) 0 (−−−− 30	DWOB (DWOB_RT) 0 (KLBF) 60	Annulus Pressure (APRS) 3000 (PSI) 6000
ARC Calibrated, Filtered Gamma Ray (GR_ARC_FILT) 0 (GAPI) 200	ARC Non−BHCorr Phase−Shift Resistivity 34−in. at 2 MHz (P34H_UNC) 0.2 (OHMM) 200	MWD Lateral Vib (VIBLAT_RT) 0 (−−−− 60	DTOR (DTOR_RT) 0 (KFLB) 20	Annulus Temperature (ATMP) 50 (DEGC) 150
	ARC Non−BHCorr Phase−Shift Resistivity 40−in. at 2 MHz (P40H_UNC) 0.2 (OHMM) 200	MWD Shock Rate (SHKR_RT) 0 (SH/S) 100	SWOB (SWOB) 0 (KLBF) 60	Equivalent Circulating Density (ECD_ARC) 8 (LB/G) 18
				TUR_RPM (TRPM_RT) 2000 (RPM) 3000

Company: Woodside Energy Limited

Well:	Thylacine−1	Exploration
Field:	Permit T/30P	
Rig:	Ocean Bounty	
State:	Tasmania	

IDEAL services from **Anadrill**

APWD / MVC / IWOB Log
Measured Depth
Scale 1:500

Schlumberger