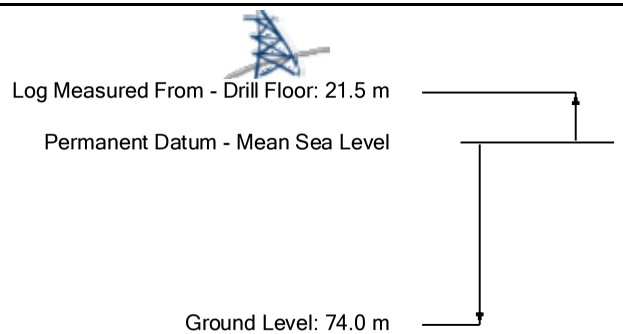
Schlumberger

VISION service
1:500 Measured Depth
Real Time Data

Company:	Beach Petroleum
Well:	Spikey Beach-1
Field:	
Rig Name:	Ocean Patriot
State:	VIC
Country:	Australia

Latitude:	40° 28' 53.9" S	Custom:	09ASQ0029
Longitude:	145° 52' 24.71" E	Rig Name:	Ocean Patriot
Block:		Rig Type:	Semi Submersible

FL:	T38/P
FL1:	
FL2:	



Acquisition Dates:	11 Sep 09
Print Interval:	815.0(m) to 1593.0(m)
Index Types:	Measured Depth
Index Scales:	1:200
Depth Source:	Driller's Depth
Depth Sensor:	DES
Conveyance:	Drill Pipe
Print Type:	Field
Spud Date:	07/09/09

Other Services:

Directional Surveys

Disclaimer

Contents

Country: Australia
State: VIC
Rig Name: Ocean Patriot
Field:
Well: Spikey Beach-1
Company: Beach Petroleum

Run 2

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
NEUTRON_PROC	Neutron Processing, ADN	1.2.8706.0
ARC8GammaRayComputation	ARC8 Gamma Ray Computation Package for both Real-time and Recorded Mode	1.2.8706.1021
ARCResistivity	ARC Resistivity Computation Package for ARC Tool Family	1.2.8706.1021

Tool Elements	Description	Software Version	Firmware Version
ARDC	ARC 8.25 Inch Tool Drilling Collar	1.2.8706.1021	
DRILLING_SURFACE	DRILLING_SURFACE	1.2.8706.1016	
ADNP	Azimuth Neutron Detector Package	1.2.8706.0	8.3

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Acquisition Start Date	Acquisition Start Time
Run 2	Drilling	Down	804.72 m		11-Sep-2009	01:32:19

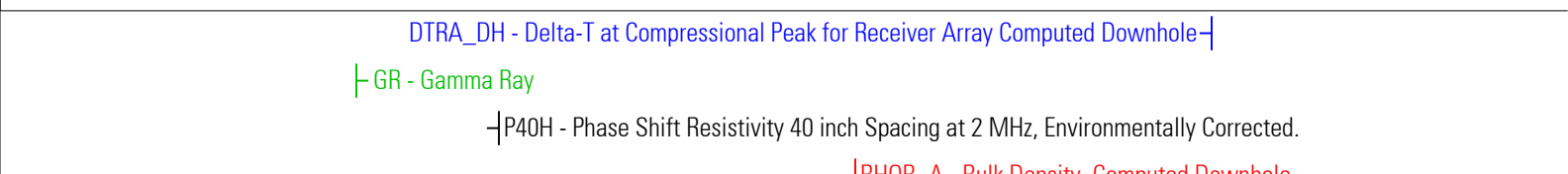
All depths are referenced to toolstring zero

Log

Run 2: Drilling 52639CA3-504A-487B-8B69-8A76BC19CA9E

Description: ARC Dual Frequency 3-Log Resistivity Format: Log (Spikey Beach-1 RT Quad Combo) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 12-Sep-2009 04:59:54

A40H	ARC8:ARC8:ARDC	6in - RT
ADIA	SADN8:SADN8	6in - RT
CRPM	TELE825:TELE825	6in - RT
DRHO_A	SADN8:SADN8	6in - RT
DTRA_DH	SONICVISION8:SONICVISION8	6in - RT
GR	ARC8:ARC8:ARDC	6in - RT
P16H	ARC8:ARC8:ARDC	6in - RT
P28H	ARC8:ARC8:ARDC	6in - RT
P40H	ARC8:ARC8:ARDC	6in - RT
PEF	SADN8:SADN8	6in - RT
RHOB_A	SADN8:SADN8	6in - RT
ROP5	DRILLING_SURFACE	6in - RT
STICK	TELE825:TELE825	6in - RT
TNPH	SADN8:SADN8:ADNP	6in - RT



RHOB_A - Bulk Density, Computed Downhole

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

Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5)
200 m/h 0

Average Borehole Diameter (ADIA)
6 in 16

Gamma Ray (GR)
0 gAPI 200

Collar Rotational Speed (CRPM)
0 c/min 250

Stick Slip Indicator (STICK)
0 c/min 500

Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H)
0.2 ohm.m 200

Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H)
0.2 ohm.m 200

Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H)
0.2 ohm.m 200

Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H)
0.2 ohm.m 200

Bulk Density Correction, Computed Downhole (DRHO_A)
-0.25 g/cm3 0.25

Photoelectric Factor (PEF)
0 10

Bulk Density, Computed Downhole (RHOB_A)
1.95 g/cm3 2.95

Thermal Neutron Porosity (Ratio Method) in Selected Lithology (TNPH)
0.45 m3/m3 -0.15

Delta-T at Compressional Peak for Receiver Array Computed Downhole (DTRA_DH)
40 us/ft 240

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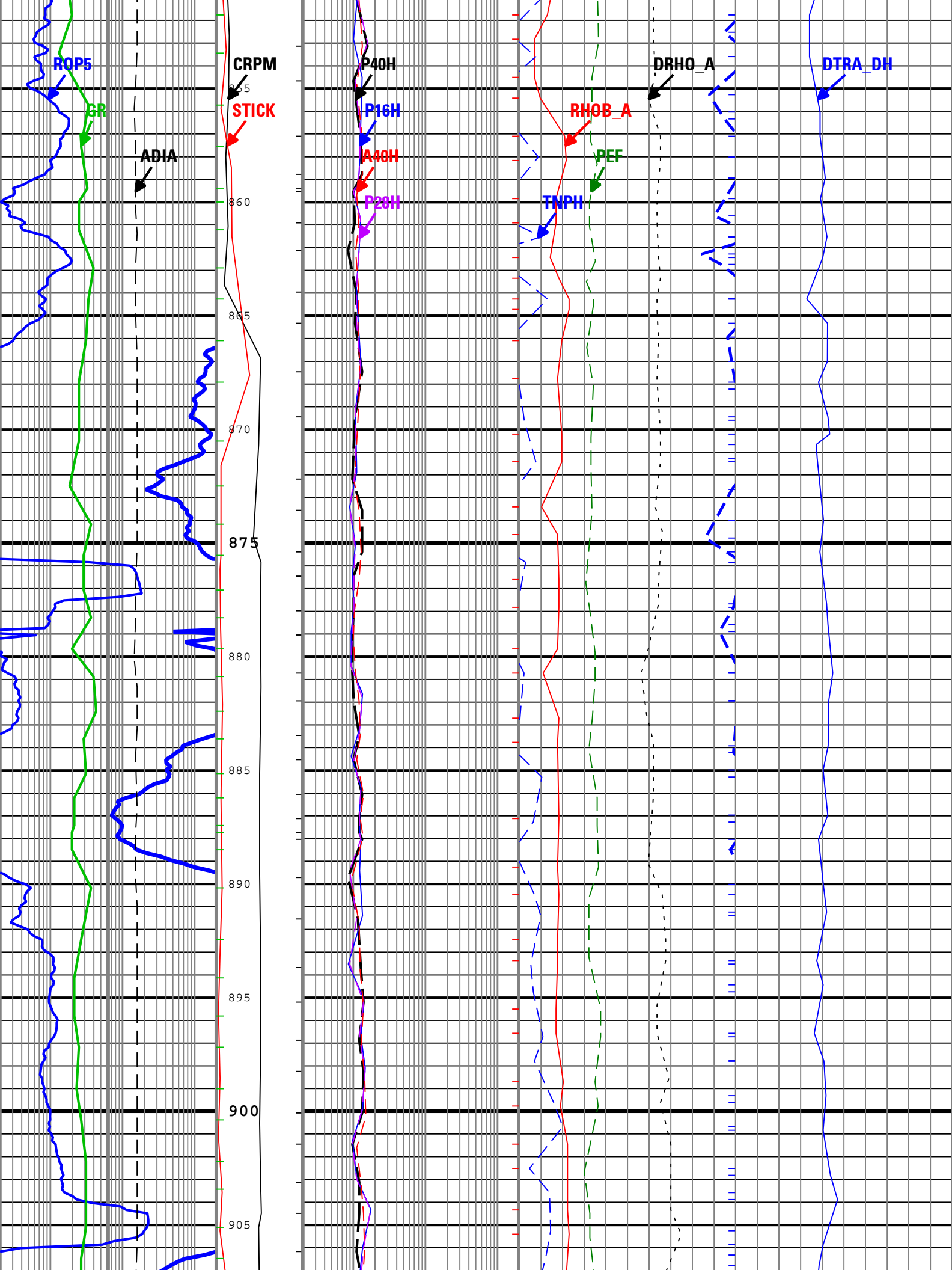
825
830
835
840
845
850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CRPM
STICK
ADIA
P40H
P16H
A40H
P20H
DRHO_A
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PEF
TNPH
DTRA_DH
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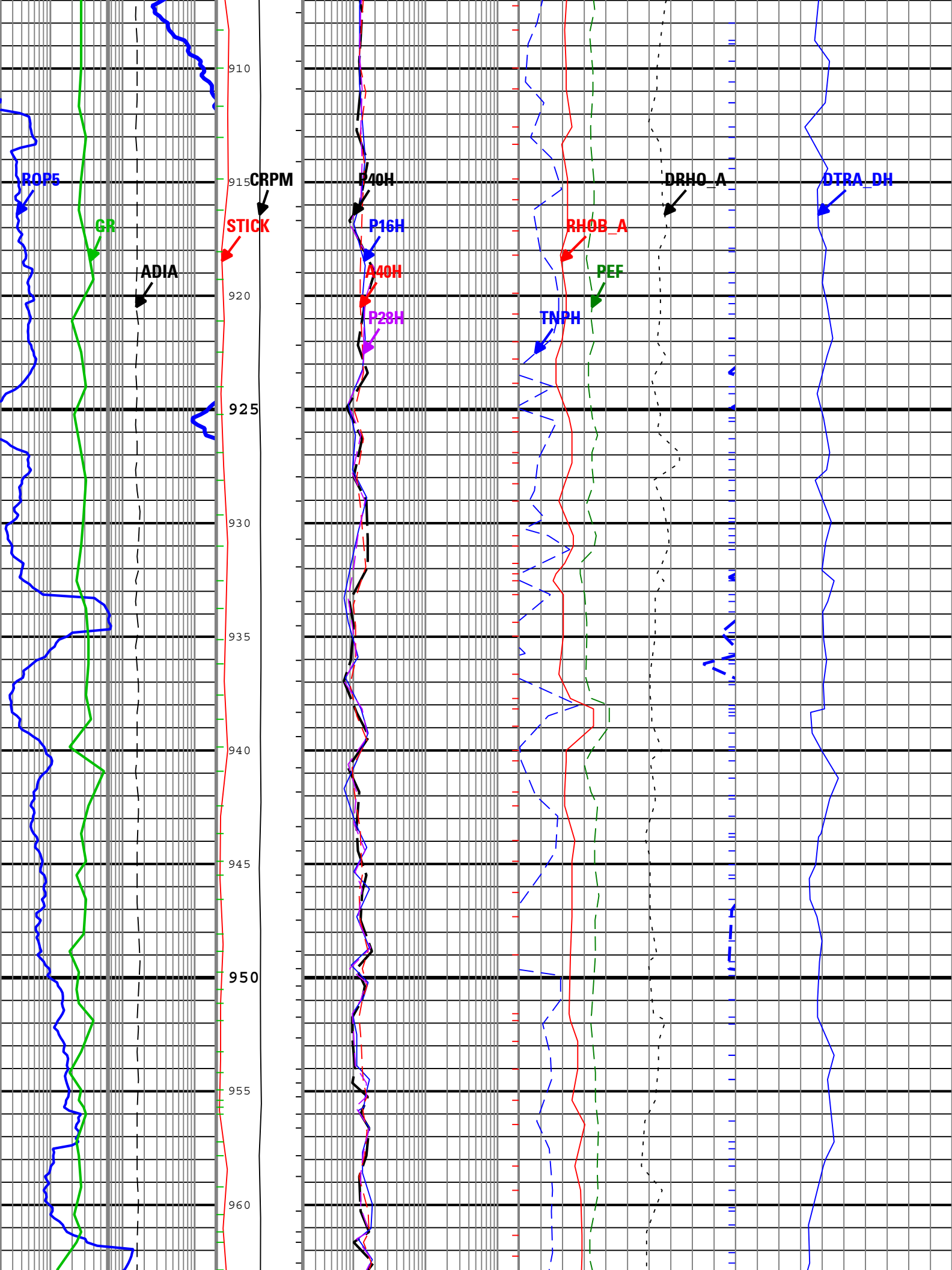
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GR
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CRPM
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P28H
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DTRA_DH
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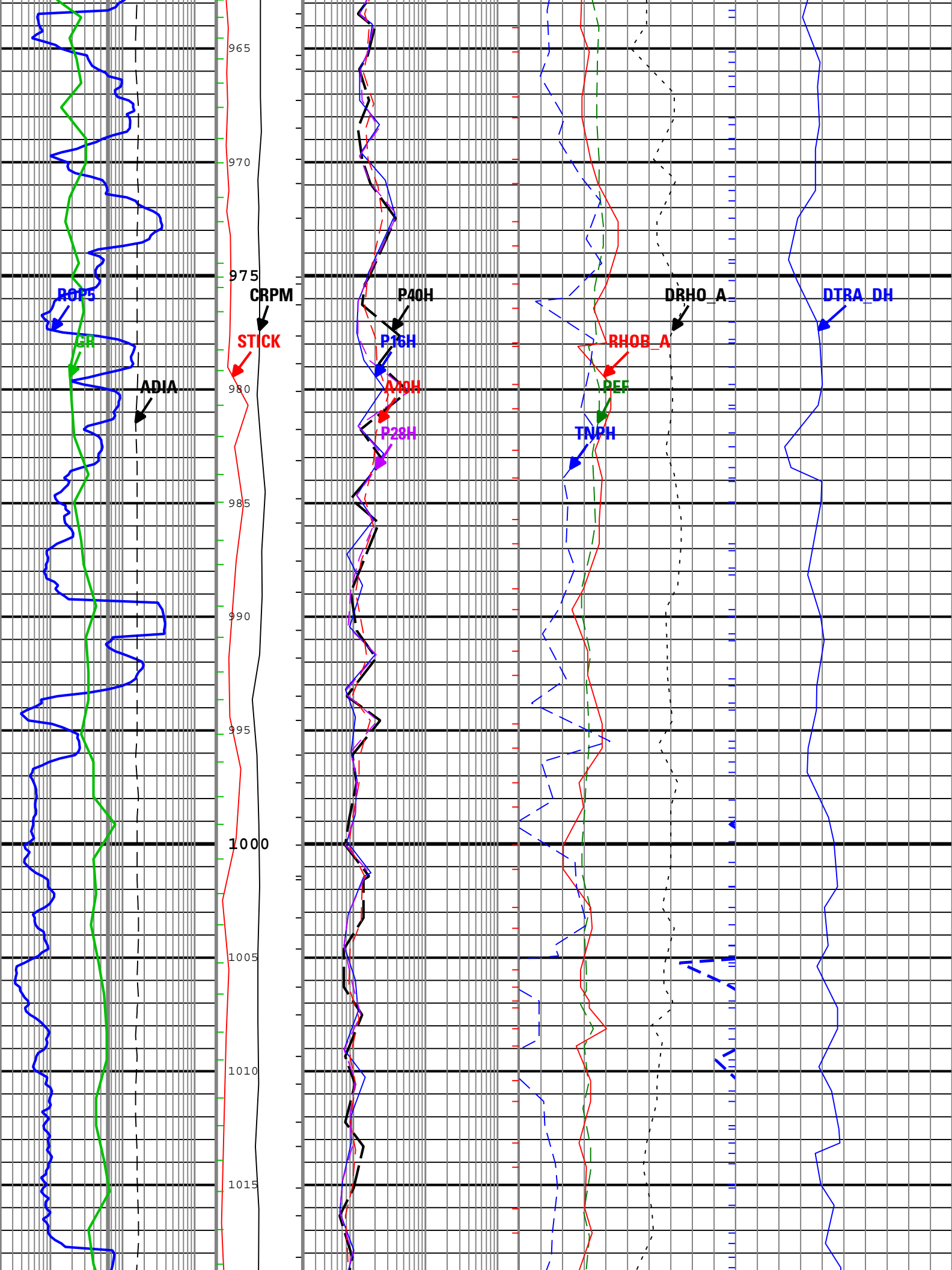
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PEF
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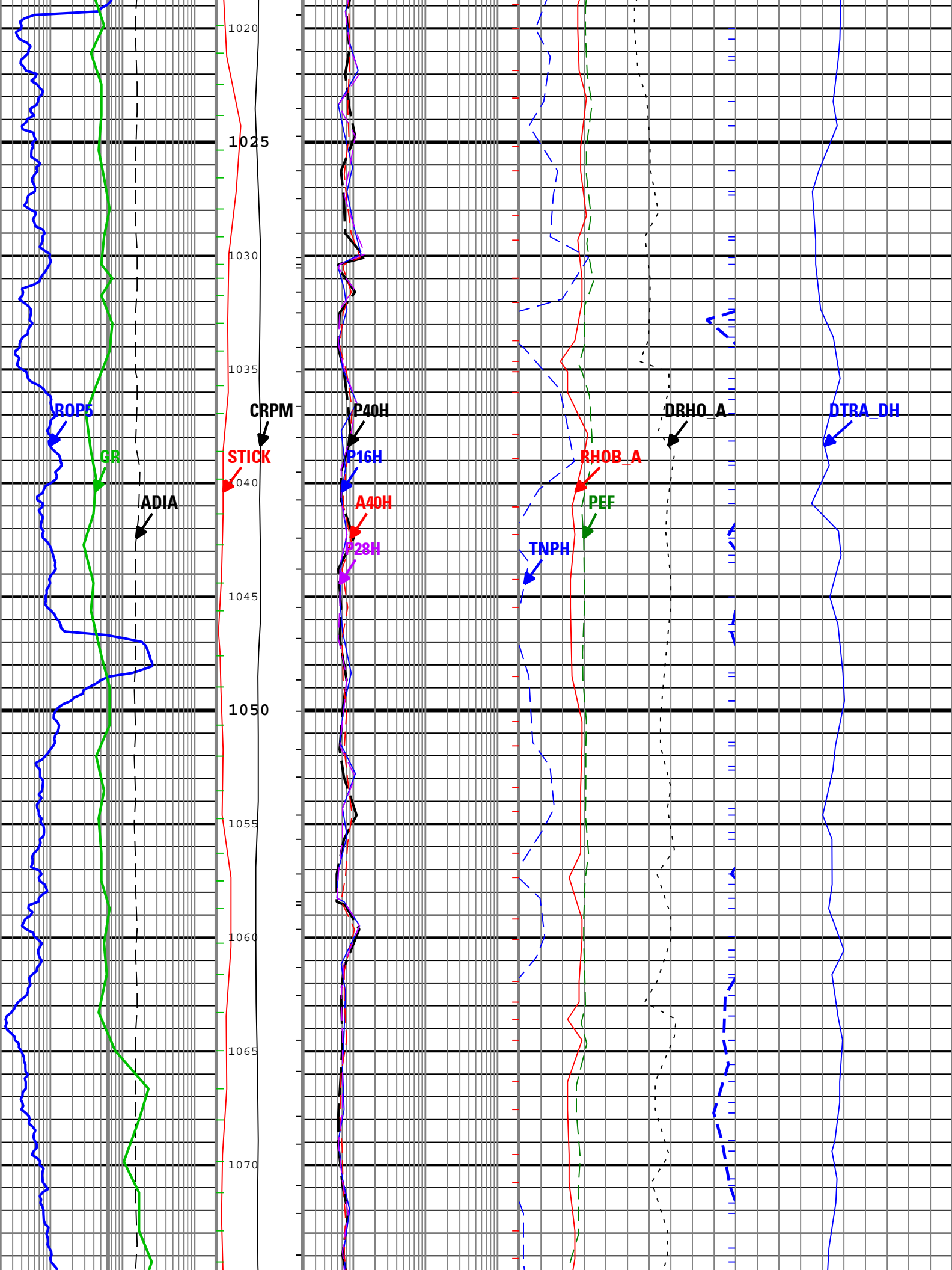
DTRA_DH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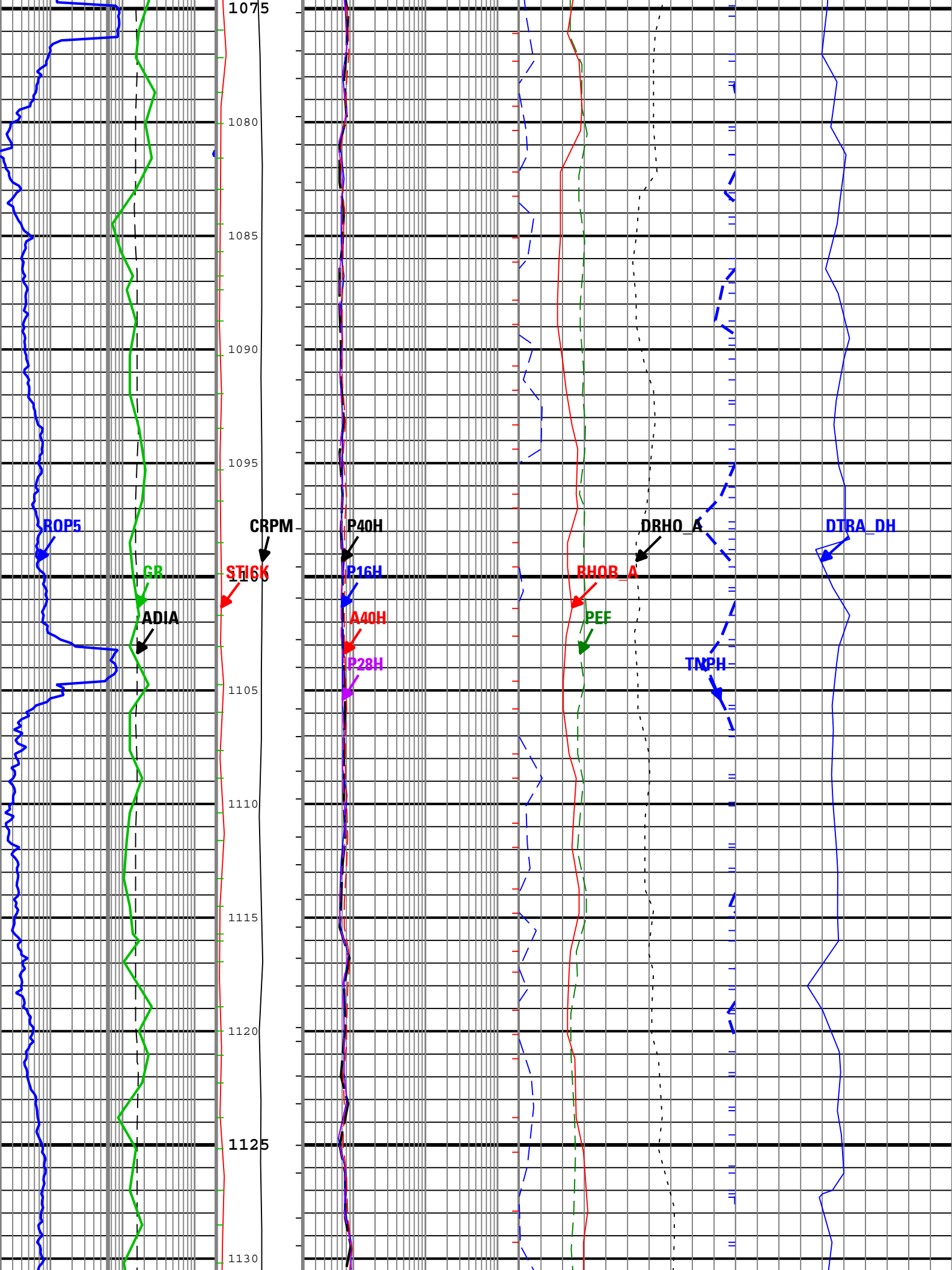
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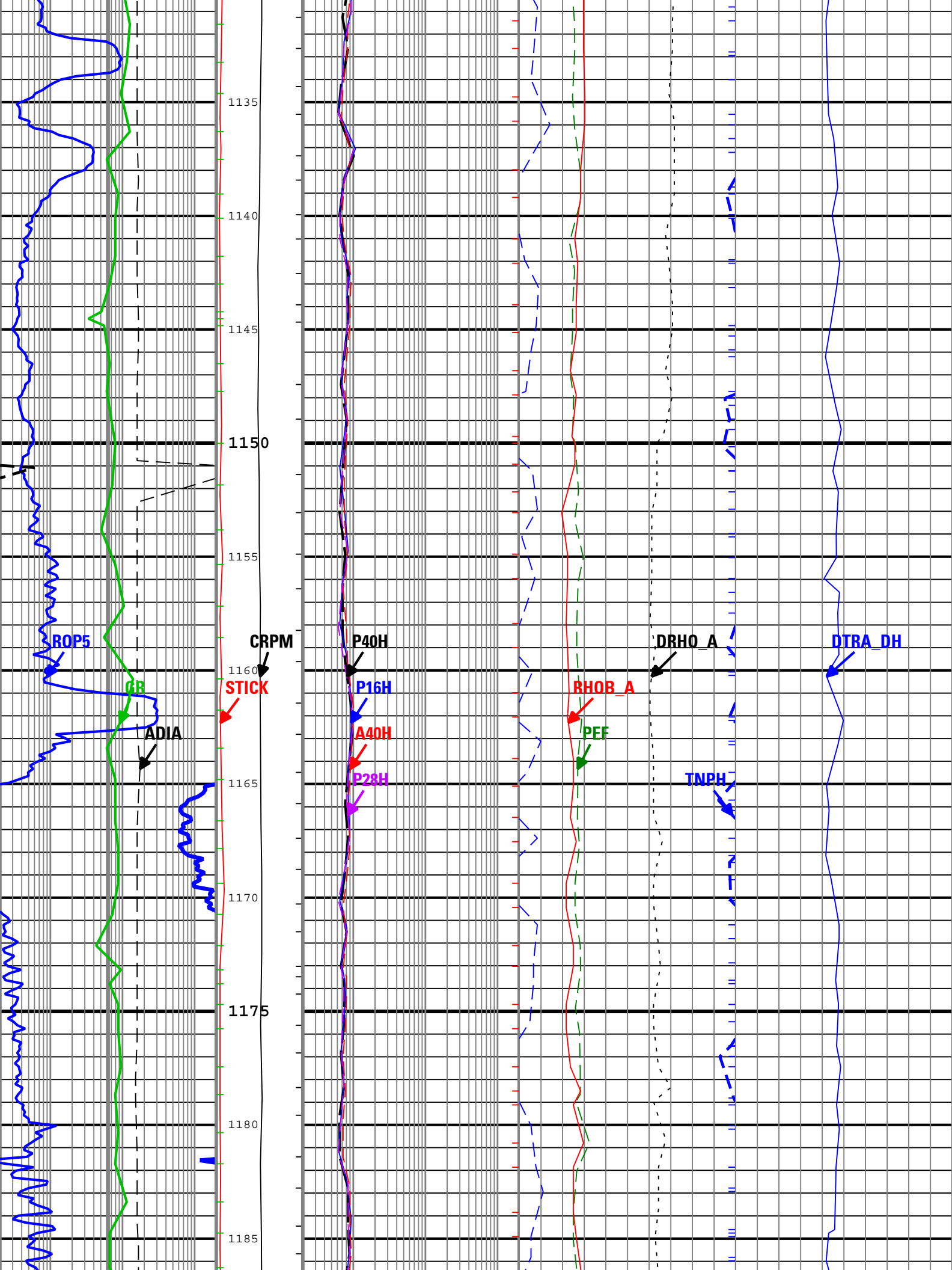
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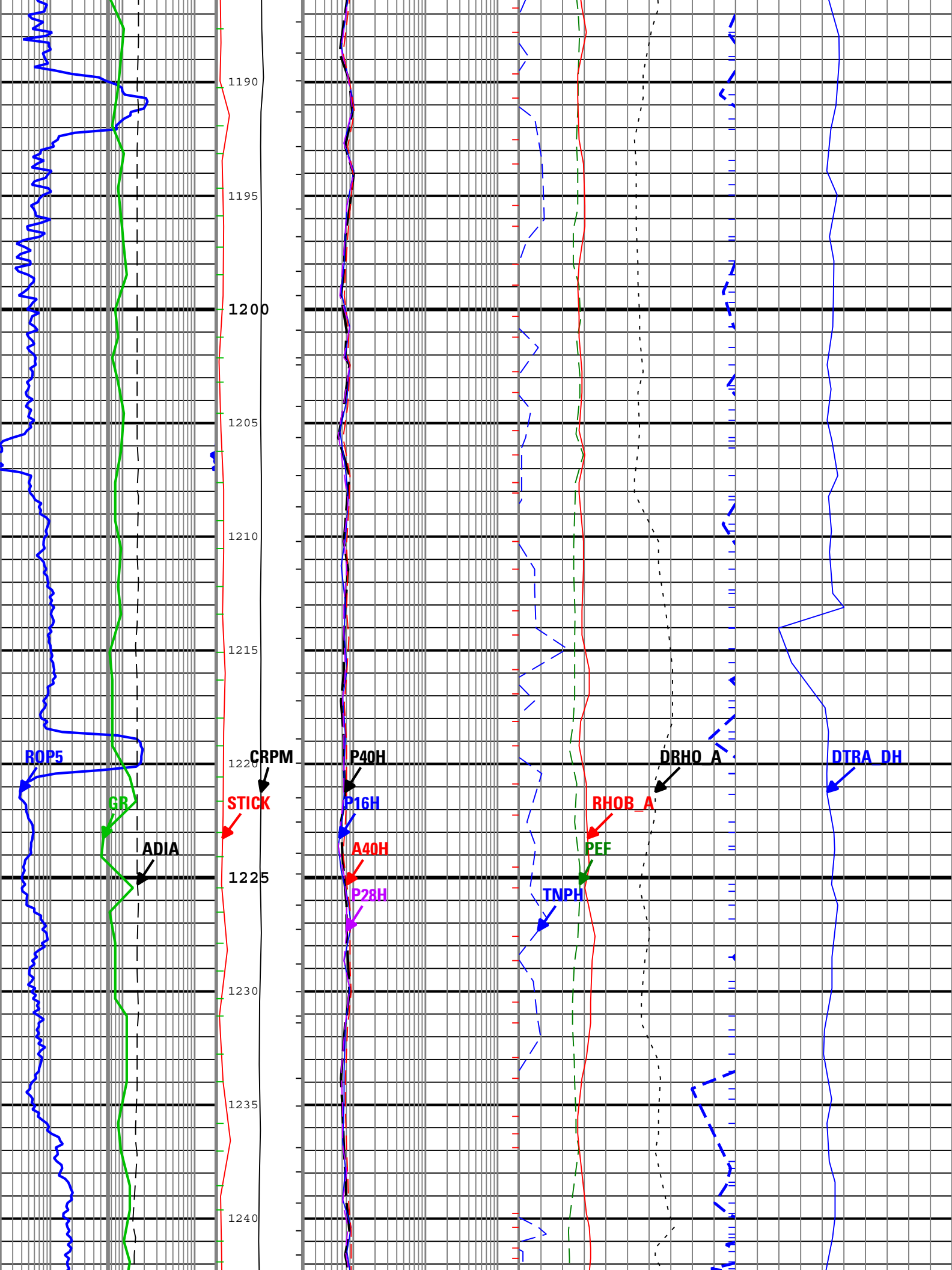
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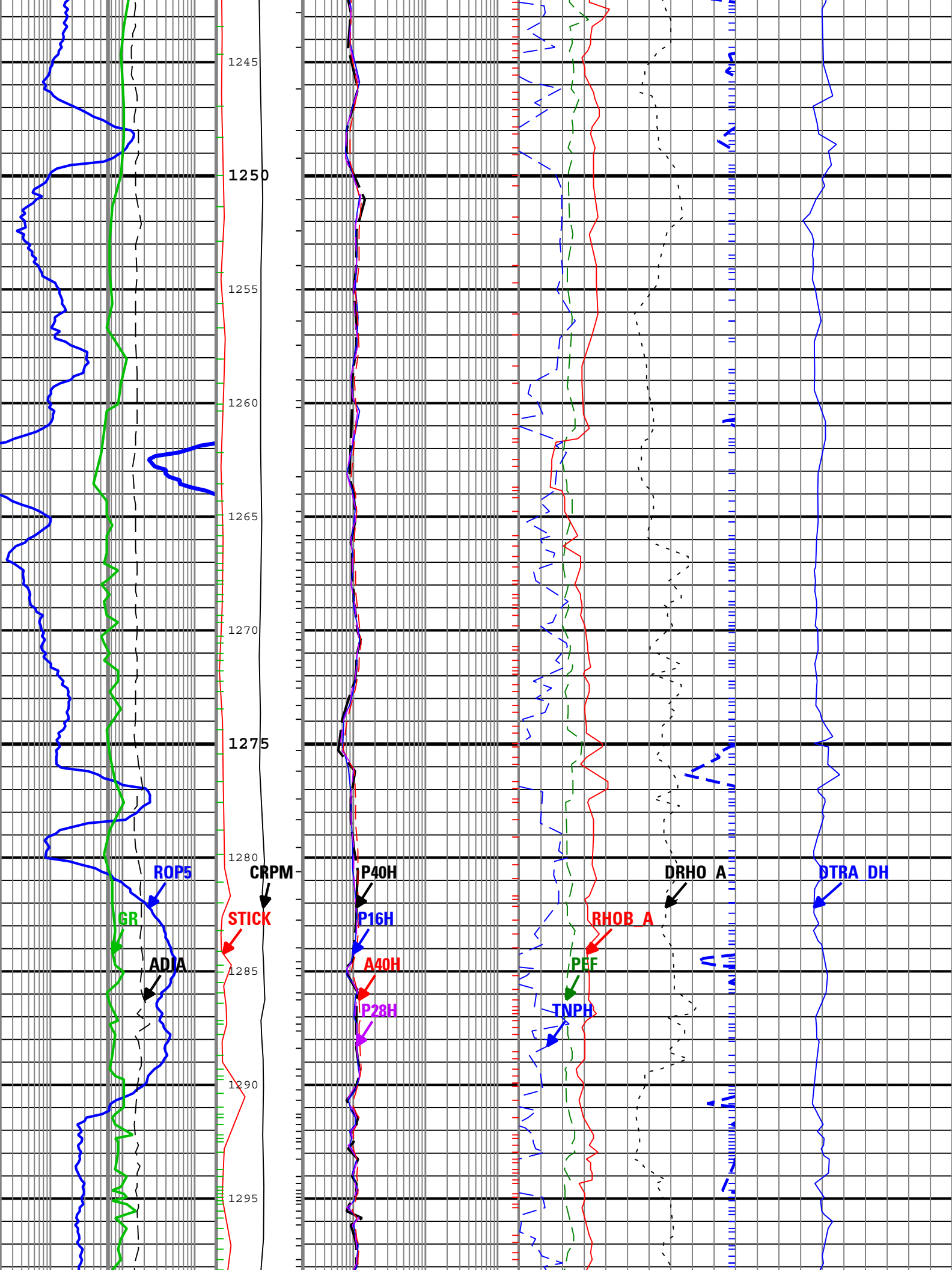
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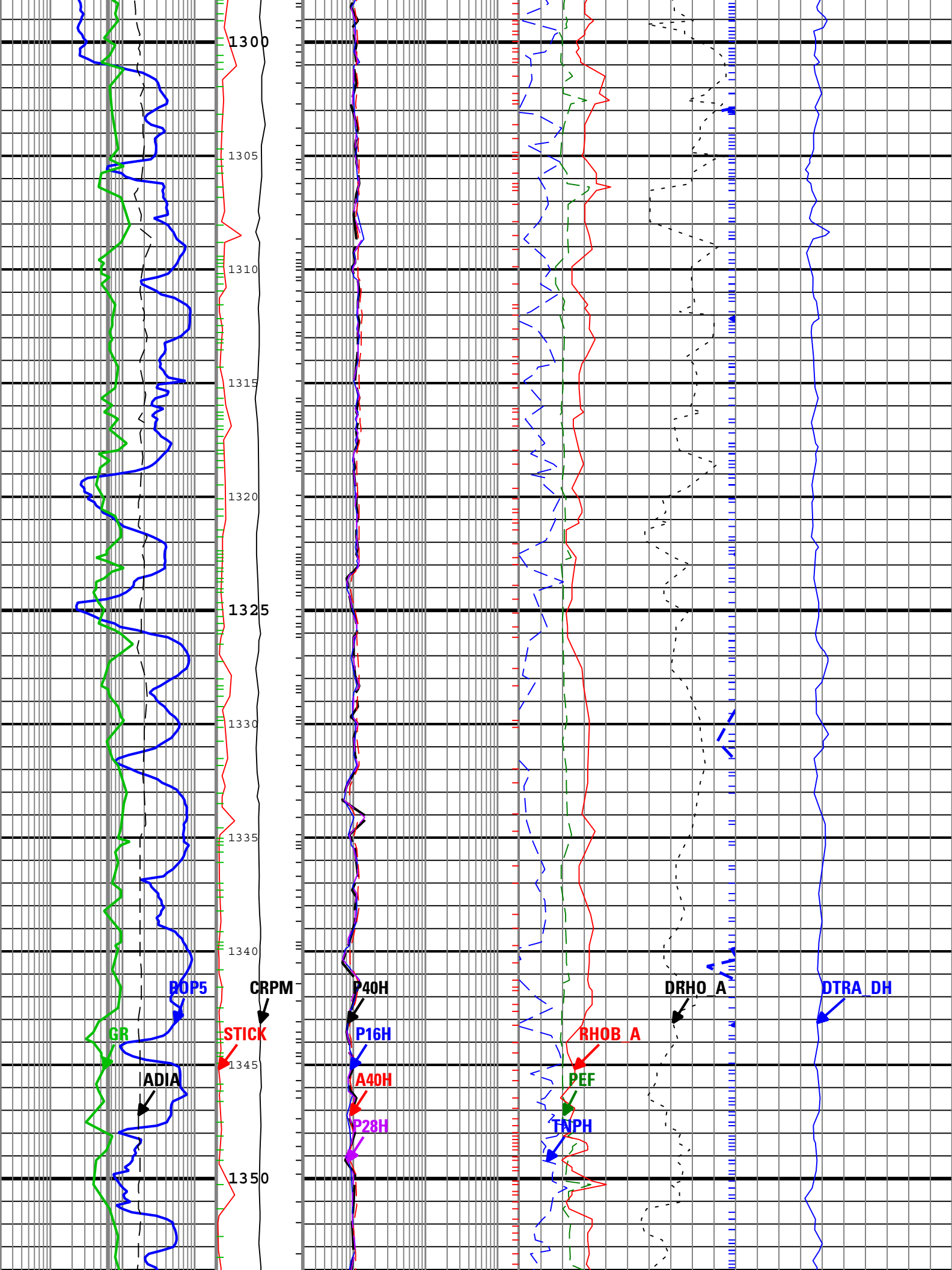
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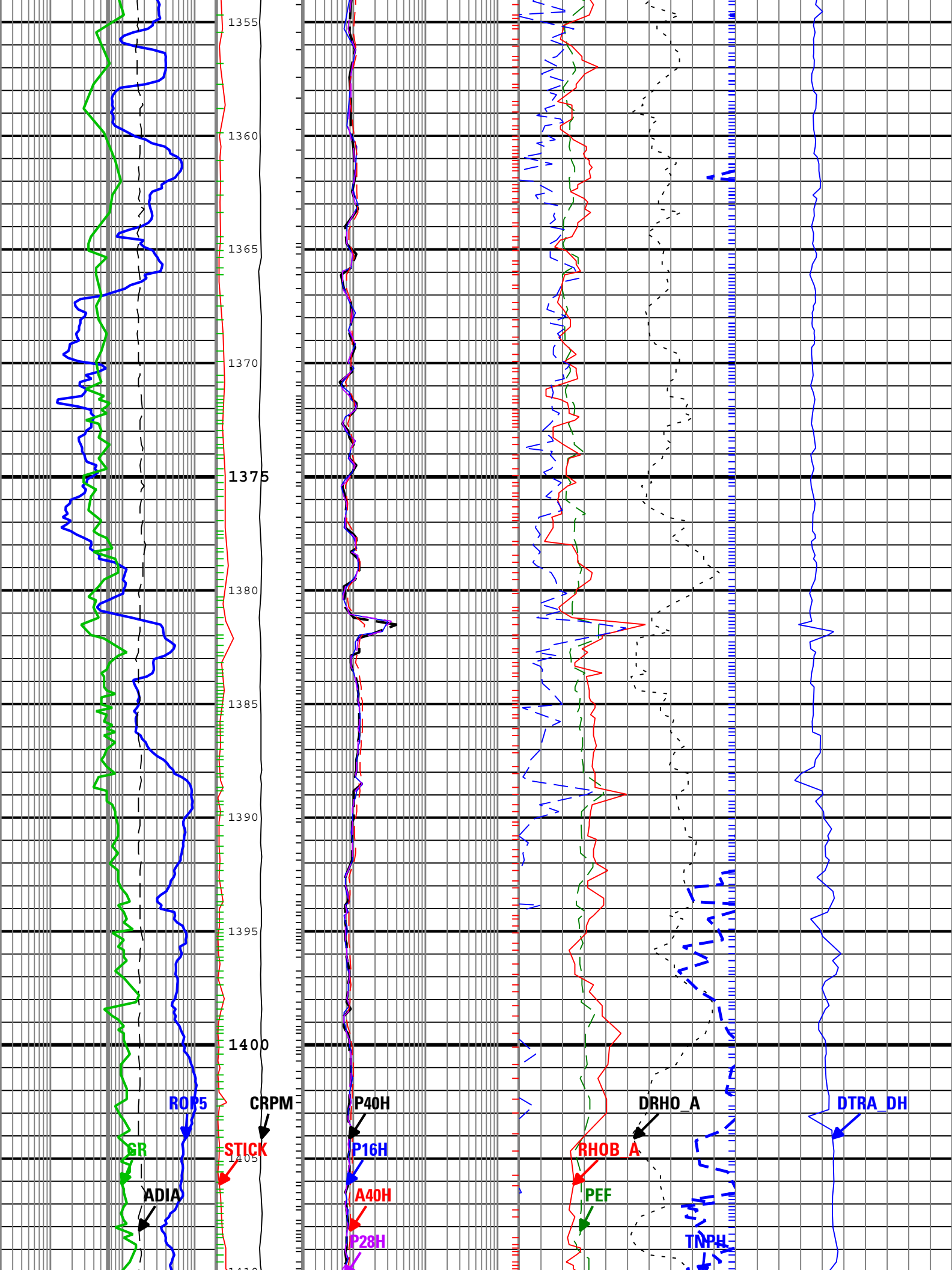
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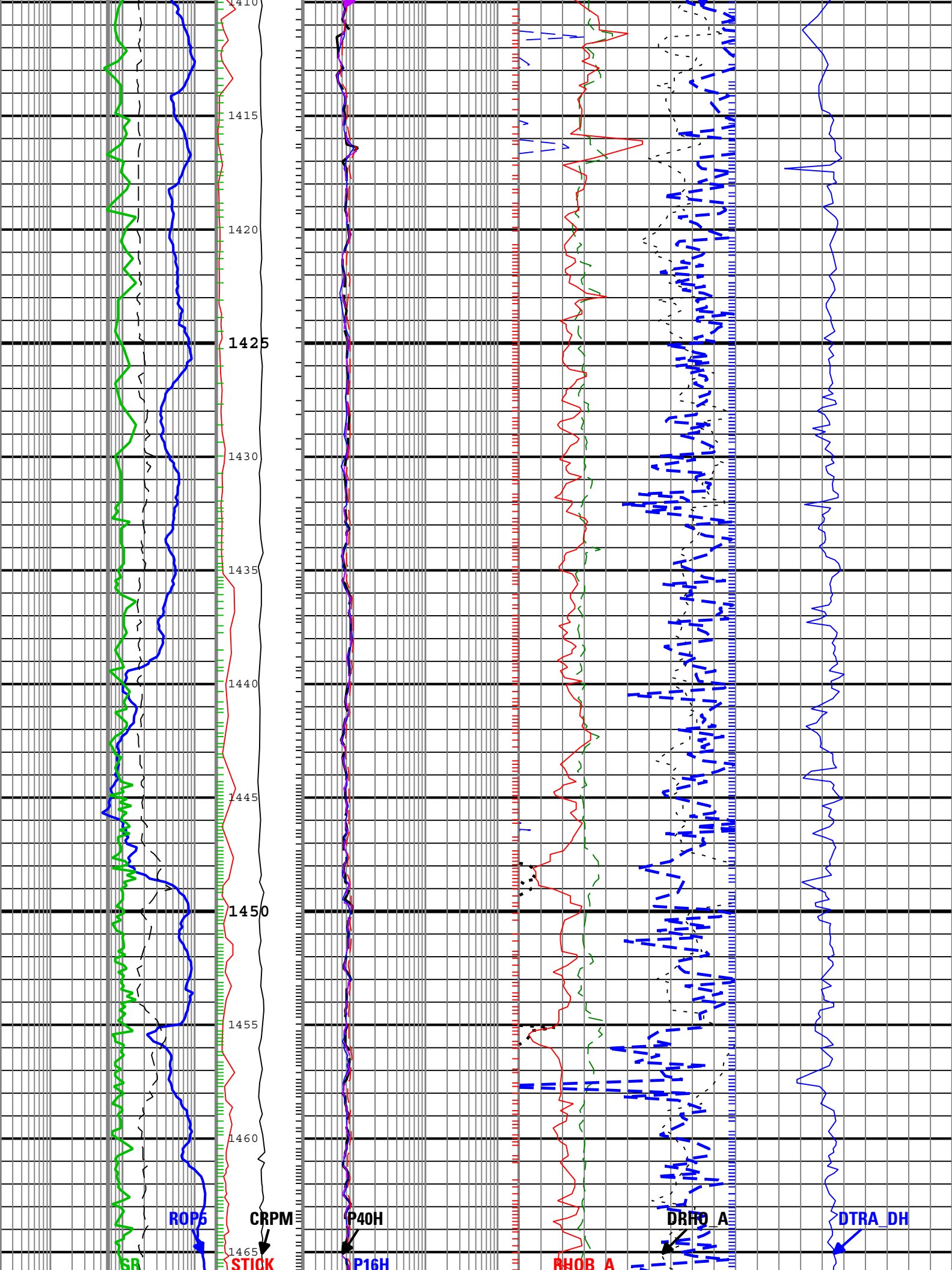
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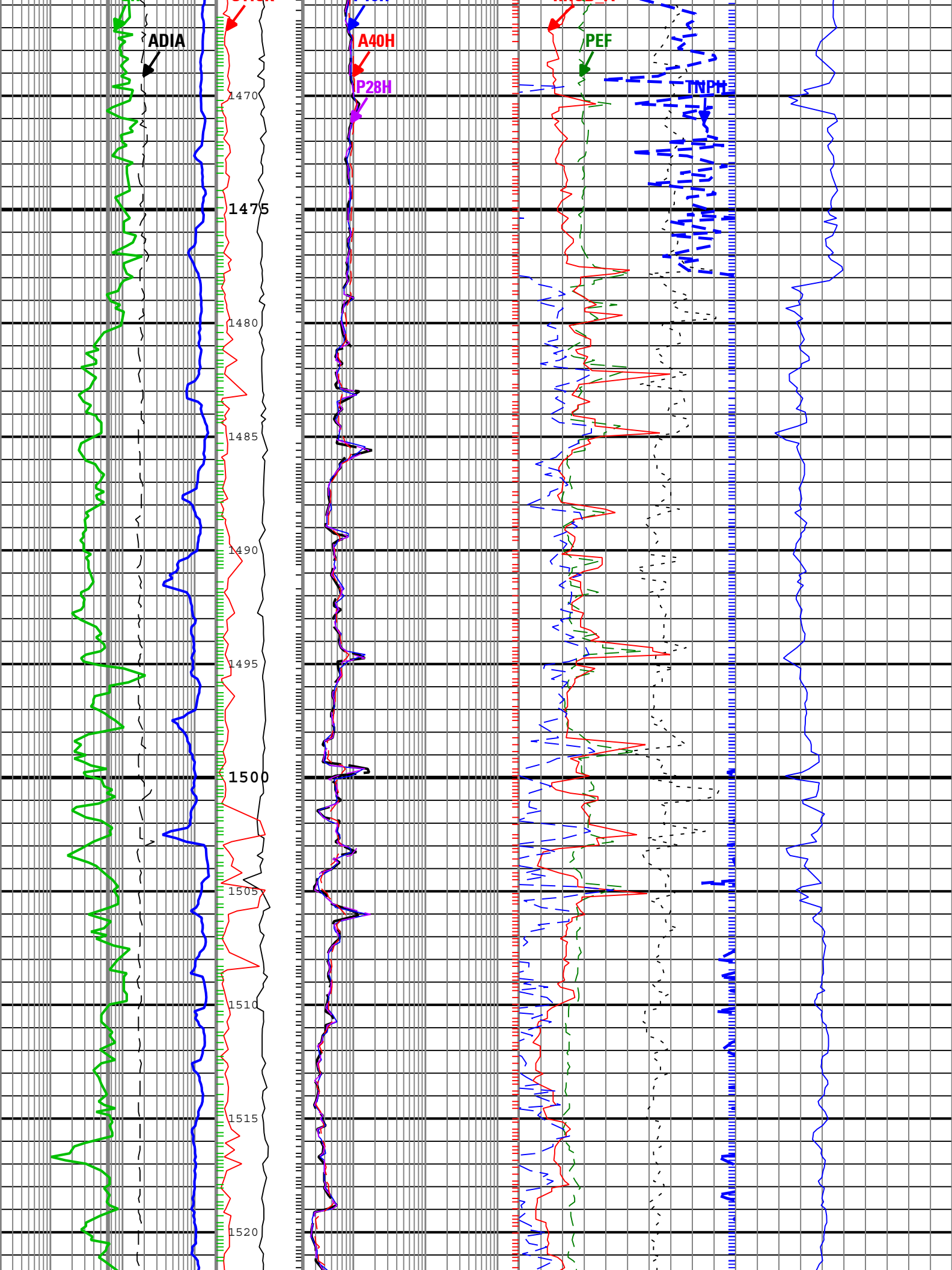
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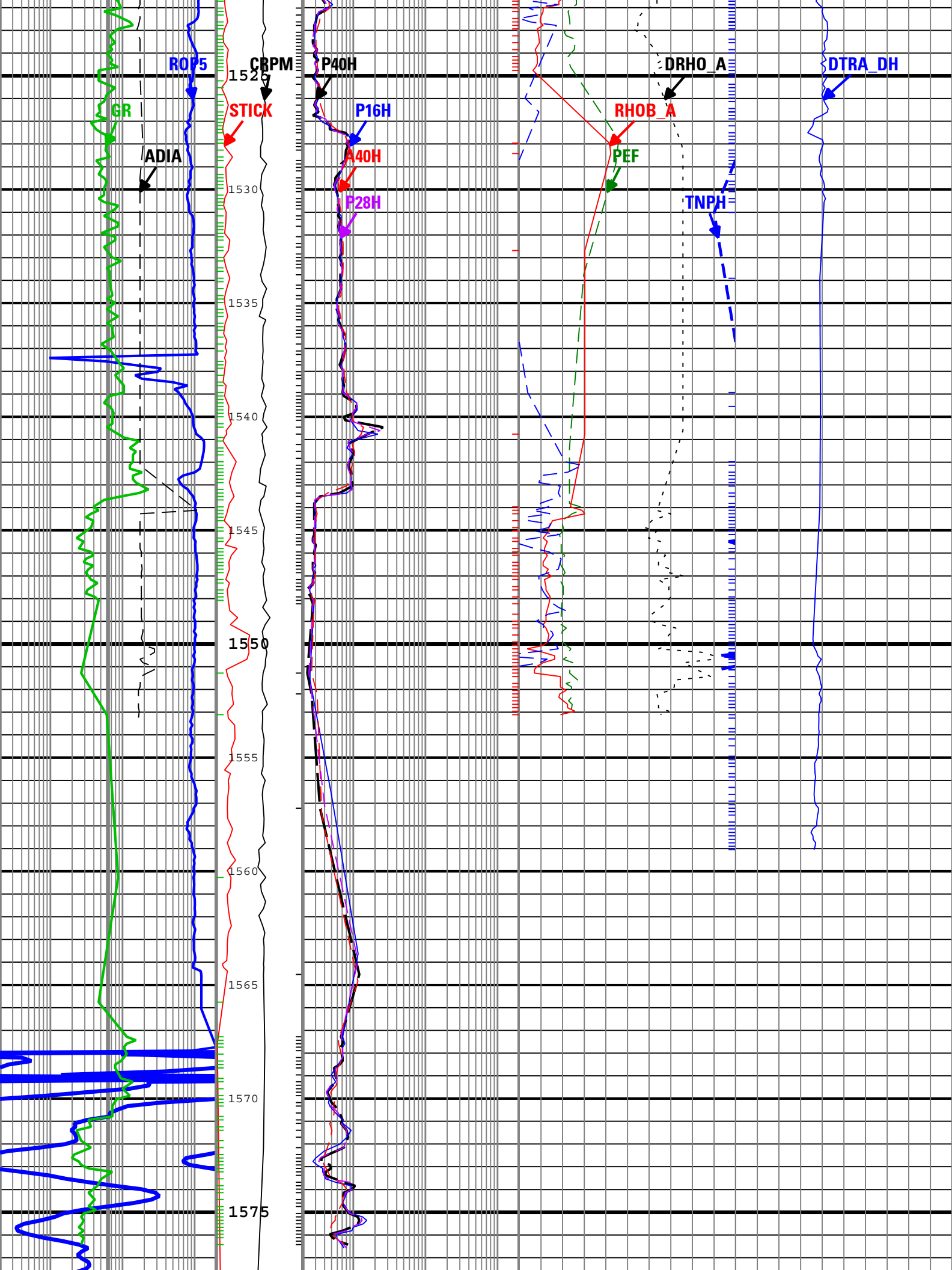
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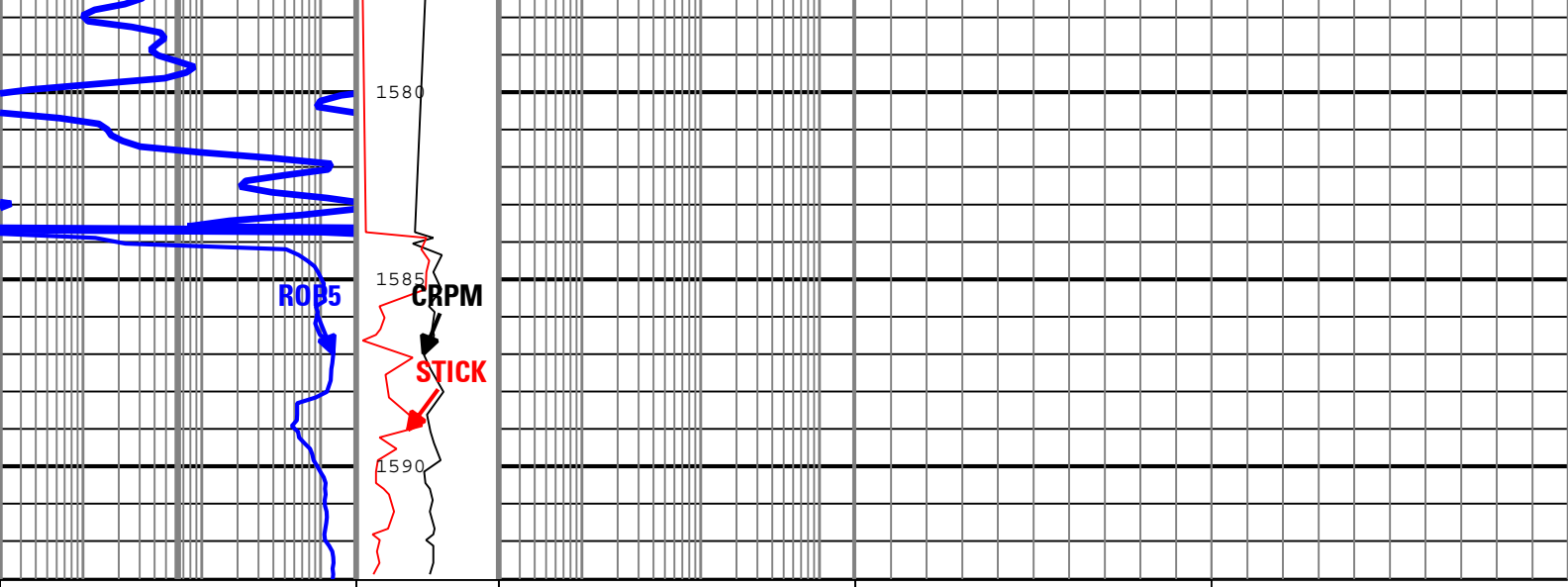


Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5)
200 m/h 0

Average Borehole Diameter (ADIA)
6 in 16

Gamma Ray (GR)
0 gAPI 200

Collar Rotational Speed (CRPM)
0 c/min 250

Stick Slip Indicator (STICK)
0 c/min 500

Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H)
0.2 ohm.m 200

Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H)
0.2 ohm.m 200

Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H)
0.2 ohm.m 200

Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H)
0.2 ohm.m 200

Bulk Density Correction, Computed Downhole (DRHO_A)
-0.25 g/cm3 0.25

Photoelectric Factor (PEF)
0 10

Bulk Density, Computed Downhole (RHOB_A)
1.95 g/cm3 2.95

Thermal Neutron Porosity (Ratio Method) in Selected Lithology (TNPH)
0.45 m3/m3 -0.15

Delta-T at Compressional Peak for Receiver Array Computed Downhole (DTRA_DH)
40 us/ft 240

TNPH - Thermal Neutron Porosity (Ratio Method) in Selected Lithology
RHOB_A - Bulk Density, Computed Downhole
P40H - Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected.
GR - Gamma Ray
DTRA_DH - Delta-T at Compressional Peak for Receiver Array Computed Downhole

Description: ARC Dual Frequency 3-Log Resistivity Format: Log (Spikey Beach-1 RT Quad Combo) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 12-Sep-2009 04:59:54

Channel Processing Parameters

Parameter	Description	ToolPath	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	0	%
BHT	Bottom Hole Temperature	Borehole	48	degC
BS	Bit Size	COMPLETION	Depth Zoned	in
BSAL	Borehole Salinity	Borehole	Time Zoned	ppm
DFD	Drilling Fluid Density	Borehole	9	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
GGRD	Geothermal Gradient	Borehole	18.23	degC/km
GRSE	Generalized Mud Resistivity Selection	Borehole	Computed (GEN-9)	
GTSE	Generalized Temperature Selection	Borehole	Gradient From Surface	
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	LIMESTONE	
MST	Mud Sample Temperature	Borehole	Time Zoned	degC

RMS	Resistivity of Mud Sample	Borehole	Time Zoned	ohm.m
SHT	Surface Hole Temperature	Borehole	15	degC

Depth Zone Parameters

Parameter	Value	Start (m)	Stop (m)
BS	17.5	815	816.61
BS	12.25	816.61	

All depth are actual.

Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth (m)	Stop Depth (m)
BSAL	117818.22	11-Sep-2009 01:32:19	11-Sep-2009 19:28:28	804.72	1428.19
BSAL	102066.07	11-Sep-2009 19:28:28		1428.19	
MST	17.9	11-Sep-2009 01:32:19	11-Sep-2009 19:28:28	804.72	1428.19
MST	20.9	11-Sep-2009 19:28:28		1428.19	
RMS	0.07	11-Sep-2009 01:32:19	11-Sep-2009 19:28:28	804.72	1428.19
RMS	0.08	11-Sep-2009 19:28:28		1428.19	

All depth are at tool zero.

Tool Control Parameters

Parameter	Description	ToolPath	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DnMWorkflow	0.4	m

Company: Beach Petroleum

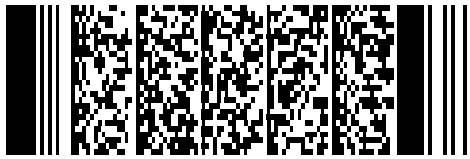
Well: Spikey Beach-1

Field:

Rig Name: Ocean Patriot

State: VIC

Country: Australia



Schlumberger

VISION service

1:500 Measured Depth

Real Time Data