MicroScope HD Resistivity Image

Gamma Ray - Resistivity - HD Resistivity Image

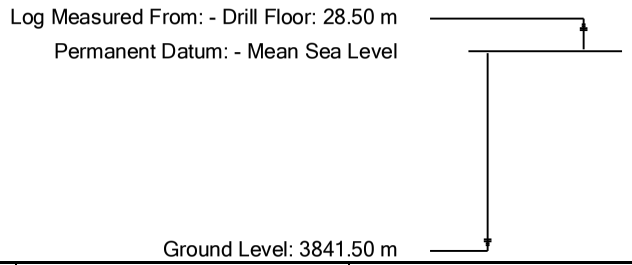
C0024A Run1, Recorded Mode Log, Measured Depth 1:200

Schlumberger

Company:	JAMSTEC
Well:	C0024A
Field:	C0024
Rig Name:	D/V Chikyu
Prefecture:	Wakayama
Country:	Japan

Latitude:	33° 2' 2.638" N	UWID:	
Longitude:	136° 47' 23.946" E	Rig Name:	D/V Chikyu
Block:		Rig Type:	Drill ship

FL:	Pacific Ocean
FL1:	X=667,159.78m
FL2:	Y=3,656,517.23m



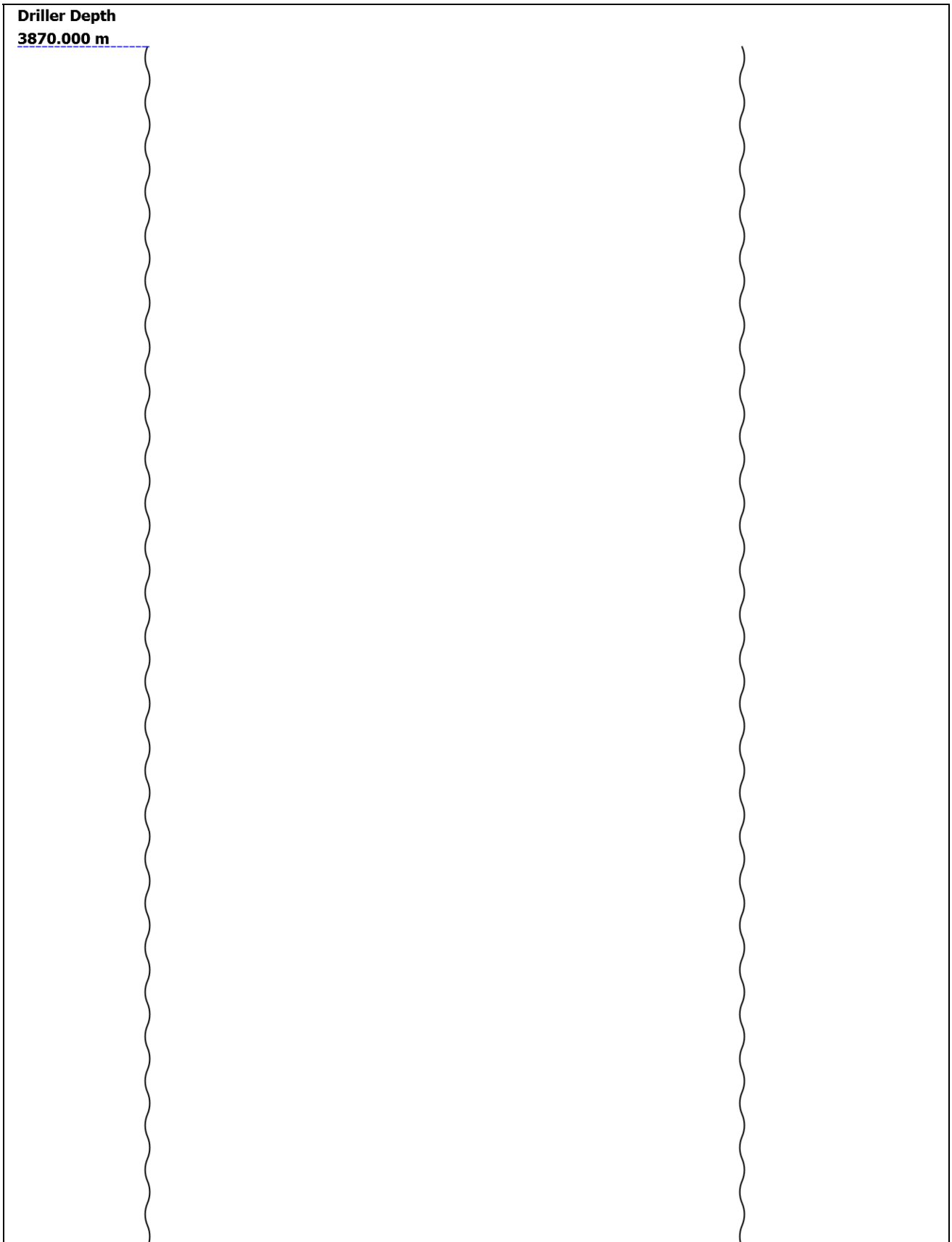
Acquisition Dates:	05-Mar-2019 -- 10-Mar-2019	Other Services:
Log Interval:	3870.00(m)MD- 4738.03(m)MD	Direction and Inclination
Index Types:	Measured Depth	seismicVISION
Index Scales:	1:200	SonicScope
Depth Source:	Driller's Depth	
Depth Sensor:	DES	
Print Type:	Field	
Spud Date:	06-Mar-2019	

Company: JAMSTEC Well: C0024A Field: C0024 Rig Name: D/V Chikyu Prefecture: Wakayama Country: Japan

Disclaimer

Contents

Well Sketch



Borehole Size/Casing Record

Bit						
Bit Size (in)	8.5					
Top Driller (m)	3870					
Bottom Driller (m)	4739					

Operational Run Summary

Parameter (unit)	Run1					
Date Log Started	05-Mar-2019					
Time Log Started	12:00:28					
Date Log Finished	10-Mar-2019					
Time Log Finished	18:17:31					
Bit Size (in)	8.500					
Bit Start Depth (m)	3870.00					
Bit Stop Depth (m)	4739.00					
Top Log Interval (m)	3870.00					
Bottom Log Interval (m)	4838.03					
Max Hole Deviation (deg)	9.02					
Azimuth of Max Deviation (deg)	265.80					
Logging Unit Number	OLU-MB8054					
Logging Unit Location	Zone2					
Recorded By	SMoriyama/YePu					
Witnessed By	Y.Sanada/Y.Kido					
Service Order Number	19JAP0009					

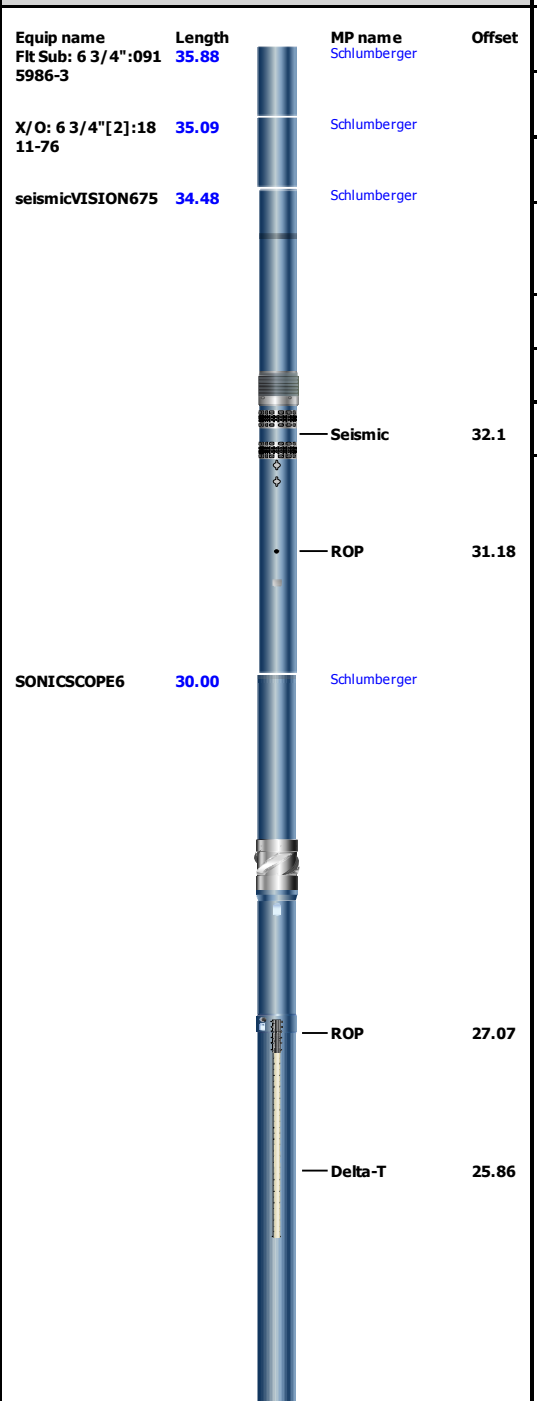
Borehole Fluids

Parameter(unit)	Run1					
Fluid Type	Water					
Fluid Name	Sea Water					
Max Recorded Temperatures (degC)	NaN					
Source of Sample	Active Tank					
Salinity (ppm)	32980.02					
Density (g/cm3)	1.025					

Funnel Viscosity (s)						
Fluid Loss (cm3)						
PH						
Source RMF	Pressed					
RMC	Pressed					
RM @ Meas Temp (ohm.m@degC)	0.2 @ 22.1					
RMF @ Meas Temp (ohm.m@degC)	0.15 @ 20					
RMC @ Meas Temp (ohm.m@degC)						
RM @ BHT (ohm.m@degC)	0.07 @ 100					
RMF @ BHT (ohm.m@degC)	0.05 @ 100					
RMC @ BHT (ohm.m@degC)	NaN @ 100					
Total Solid (%)						
High Gravity Solids (%)						

Remarks and Equipment Summary

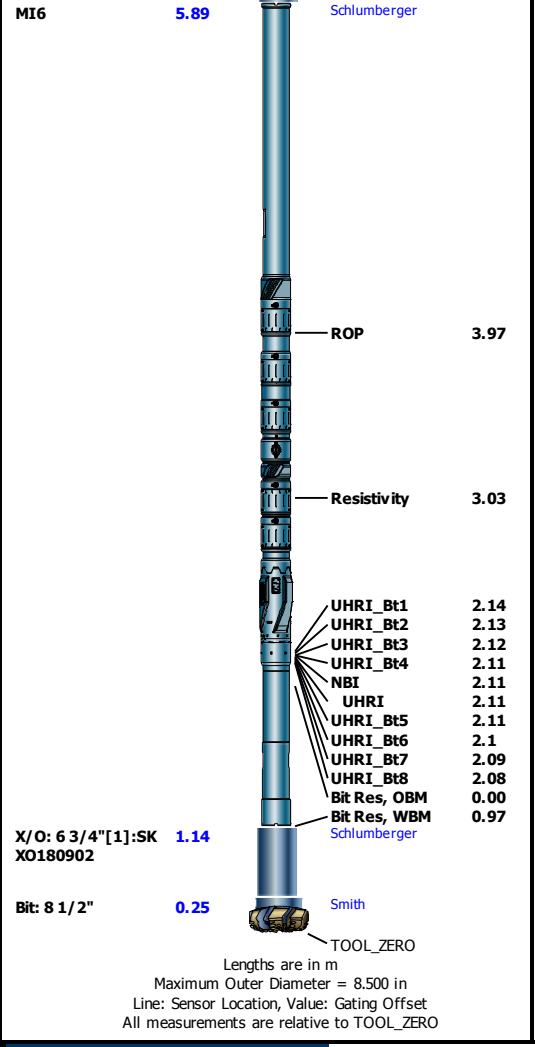
Run1: Toolstring



Run1: Remarks

Depth Reference is driller's depth measured from Rotary Table.
Data presented is Recorded Mode data which was acquired while drilling.
MicroScope record rate is depending on RPM. APWD record rate is 10s.
arcVISION GR is environmentally corrected for bit size, mud weight. No potassium content is assumed in sea water.
Reason of POOH:Client called TD.
Pumping Time:90.59hrs.
Drilling Time:50.20hrs.

TELE675-IWOB	**19.99**	Schlumberger
ARC6	**11.56**	Schlumberger



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 :	0.98 deg		

Rig Location

Latitude :	33° 2' 2.638" N	Longitude :	136° 47' 23.946" 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 - Run1

Geomagnetic Model :	HDGM 2018	Geomagnetic Date :	05-Mar-2019
Computed Location B :	46004.34 nT +/- 300.00nT	Used Location B :	46004.34 nT +/- 300.00nT
Computed Location G :	998.89 mgn +/- 2.50mgn	Used Location G :	998.89 mgn +/- 2.50mgn
Computed Magnetic Dip :	46.61 deg +/- 0.45deg	Used Magnetic Dip :	46.61 deg +/- 0.45deg
Computed Magnetic Dec :	-7.11 deg	Used Magnetic Dec :	-7.11 deg
Computed Total Correction :	-8.09 deg	Used Total Correction :	-8.09 deg

Survey Quality Index

0 : Long Survey passed all criteria
3 : Long Survey failed G 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

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	3870.00	0.00	0.00	3870.00	3870.00	0.00	0.00	0.00	0.00	90.00	0.00	Other	9	0	0
3	3928.66	5.53	227.41	58.66	3928.57	-1.92	-1.92	-2.08	2.83	227.41	2.83	TeleScope	0	0	0
4	3945.27	6.65	227.96	16.61	3945.09	-3.10	-3.10	-3.39	4.59	227.52	2.02	TeleScope	3	0	0
5	3983.90	6.50	229.68	38.63	3983.46	-6.01	-6.01	-6.72	9.02	228.15	0.20	TeleScope	0	0	0
6	4021.67	5.22	233.96	37.77	4021.03	-8.41	-8.41	-9.74	12.86	229.18	1.07	TeleScope	3	0	0
7	4058.60	4.79	237.67	36.93	4057.82	-10.22	-10.22	-12.40	16.07	230.49	0.44	TeleScope	0	0	0
8	4098.71	4.75	239.28	40.11	4097.79	-11.97	-11.97	-15.24	19.38	231.86	0.10	TeleScope	0	0	0
9	4134.48	4.68	237.87	35.77	4133.44	-13.50	-13.50	-17.75	22.30	232.75	0.11	TeleScope	3	0	0
10	4175.94	5.03	243.39	41.47	4174.76	-15.22	-15.22	-20.81	25.78	233.83	0.42	TeleScope	0	0	0
11	4213.66	4.82	248.95	37.72	4212.34	-16.52	-16.52	-23.77	28.95	235.19	0.41	TeleScope	3	0	0
12	4246.12	4.93	251.76	32.46	4244.68	-17.45	-17.45	-26.36	31.62	236.50	0.24	TeleScope	3	0	0
13	4284.84	4.65	259.91	38.72	4283.27	-18.25	-18.25	-29.49	34.68	238.25	0.57	TeleScope	0	0	0
14	4324.77	4.72	259.22	39.93	4323.06	-18.84	-18.84	-32.70	37.74	240.05	0.07	TeleScope	3	0	0
15	4363.64	5.00	260.37	38.87	4361.78	-19.42	-19.42	-35.94	40.85	241.62	0.23	TeleScope	3	0	0
16	4403.00	5.52	262.02	39.37	4400.99	-19.97	-19.97	-39.51	44.27	243.18	0.41	TeleScope	3	0	0
17	4442.09	5.79	263.71	39.08	4439.88	-20.45	-20.45	-43.33	47.91	244.74	0.25	TeleScope	0	0	0
18	4481.48	6.33	263.42	39.39	4479.06	-20.91	-20.91	-47.46	51.86	246.22	0.41	TeleScope	0	0	0
19	4520.43	6.69	264.04	38.94	4517.75	-21.40	-21.40	-51.85	56.09	247.58	0.28	TeleScope	3	0	0
20	4559.50	6.97	261.56	39.08	4556.55	-21.98	-21.98	-56.46	60.58	248.73	0.31	TeleScope	0	0	0
21	4598.70	7.31	265.11	39.19	4595.44	-22.54	-22.54	-61.29	65.31	249.81	0.43	TeleScope	0	0	0
22	4637.51	7.84	264.94	38.81	4633.91	-22.99	-22.99	-66.39	70.26	250.90	0.41	TeleScope	0	0	0
23	4677.28	8.43	264.38	39.77	4673.28	-23.51	-23.51	-71.99	75.73	251.91	0.45	TeleScope	0	0	0
24	4716.26	9.02	265.80	38.98	4711.81	-24.01	-24.01	-77.89	81.50	252.86	0.48	TeleScope	0	0	0

Run1

Run1_LWD Main Log

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Drilling	Down	3799.48 m	4738.57 m	05-Mar-2019 12:00:28 PM	10-Mar-2019 6:17:31 PM	No

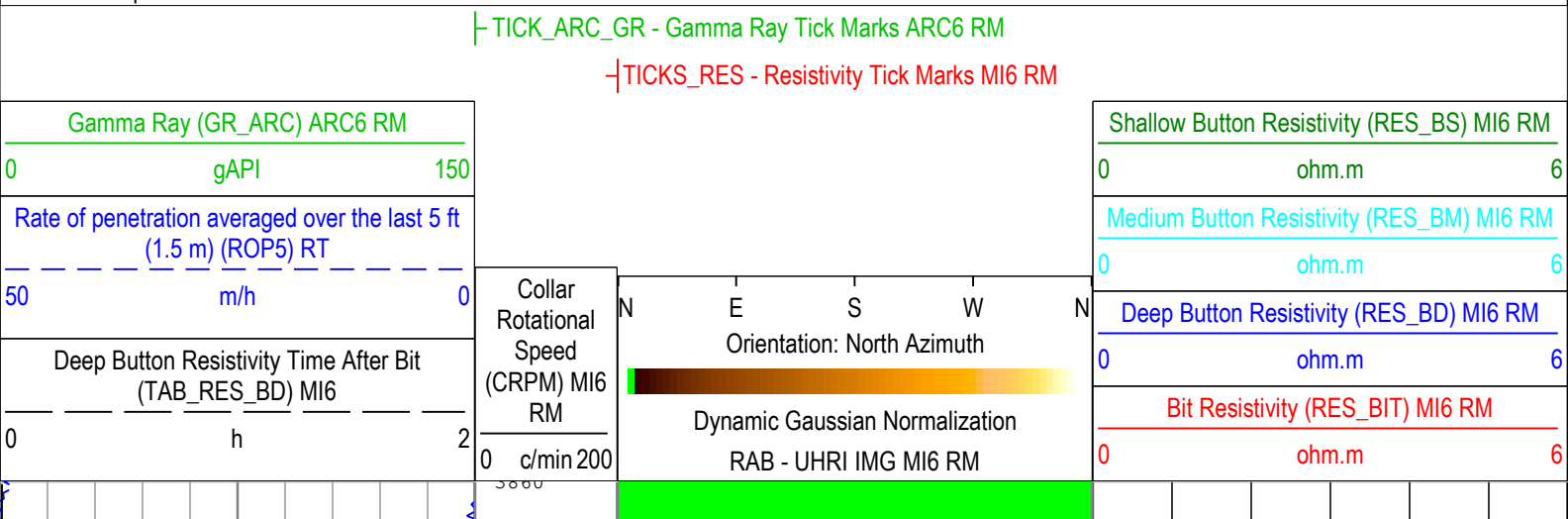
All depths are referenced to toolstring zero

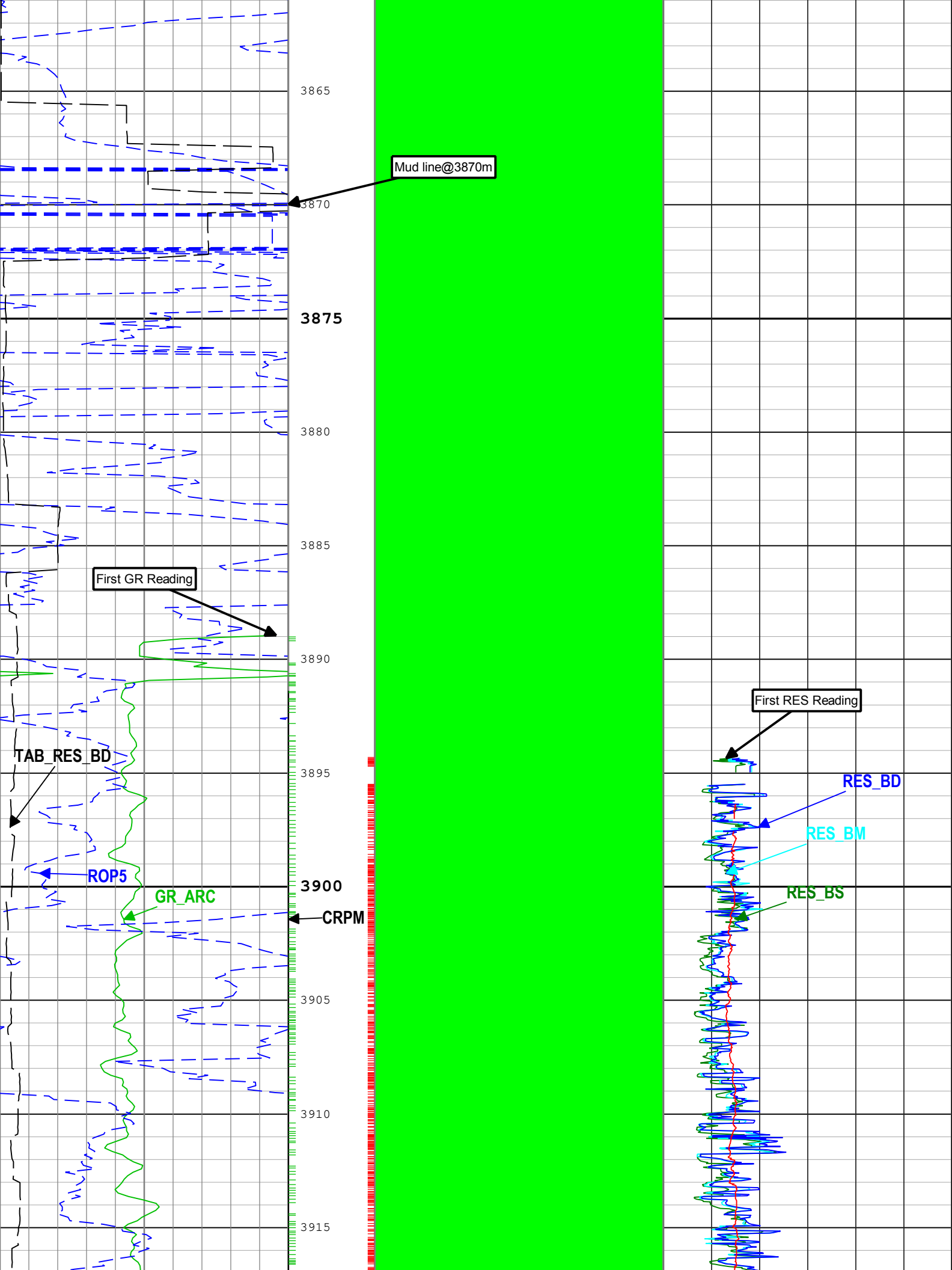
Log

Company:JAMSTEC Well:C0024A

Run1: Drilling:S066

Description: MicroScope Resistivity, Deep Button Image RM Format: Log (MI6 Res, UHRI RM MD) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 11-Mar-2019 10:04:34

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Mud line@3870m
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3875
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First GR Reading
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First RES Reading
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CRPM
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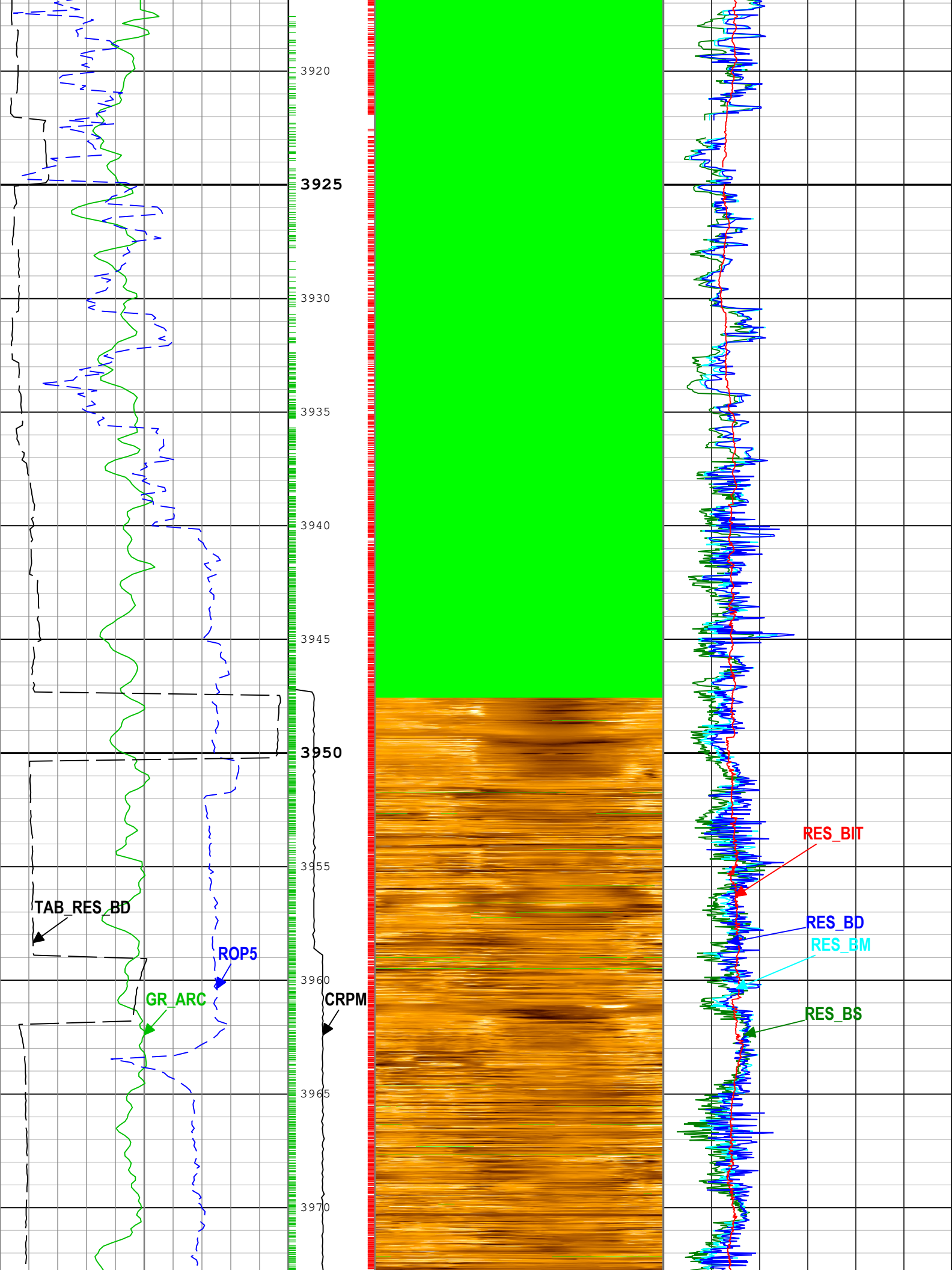
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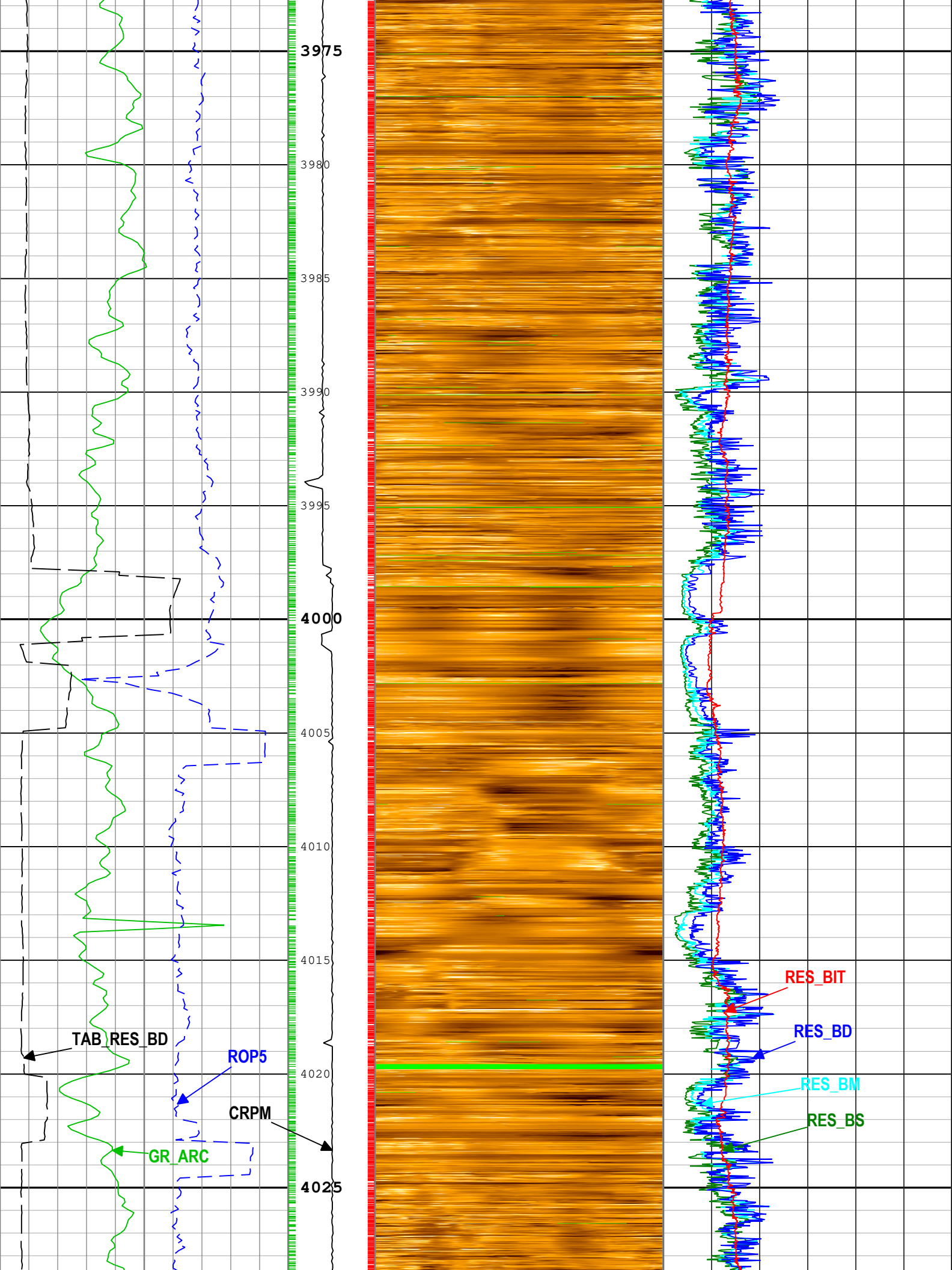
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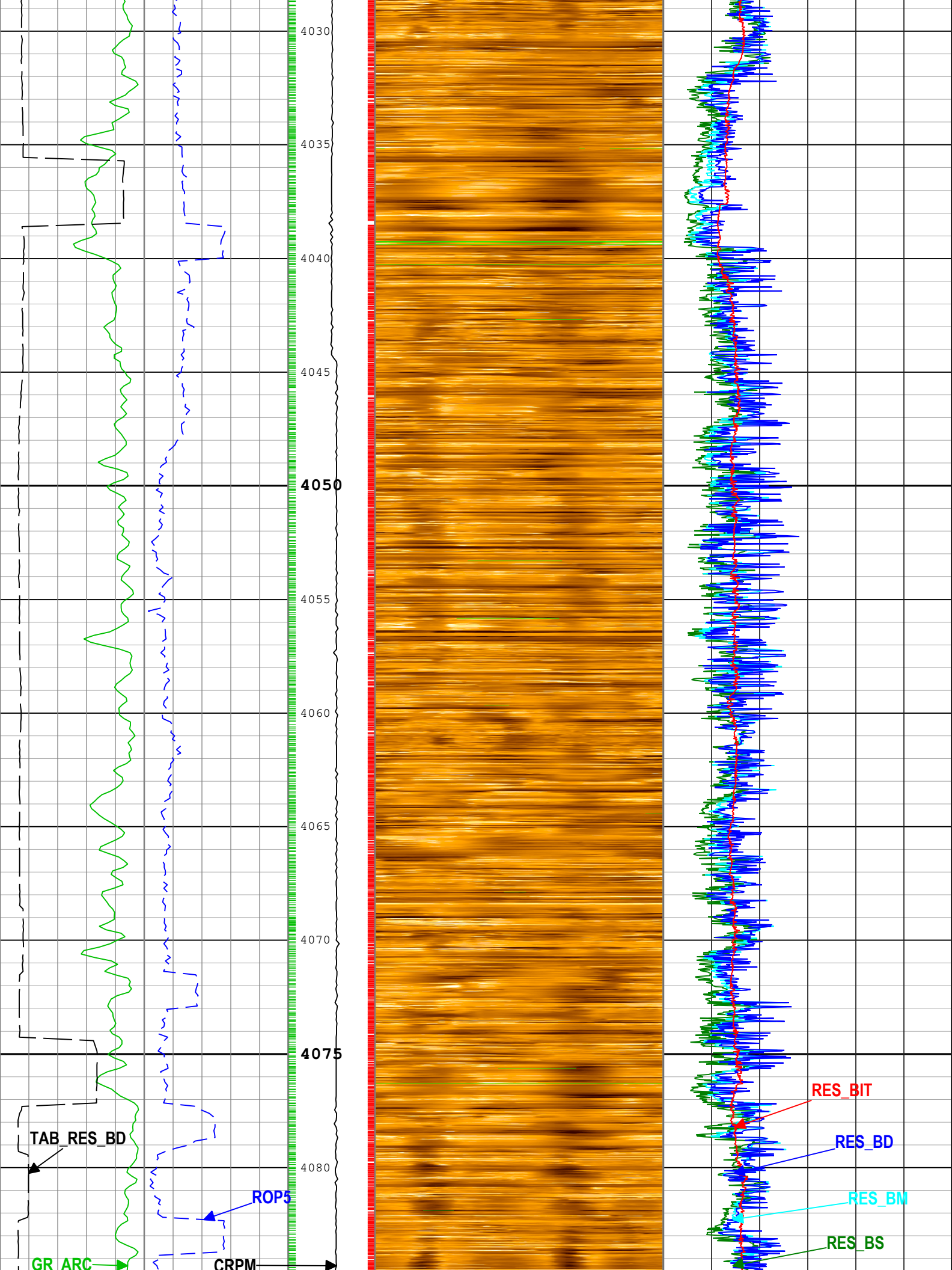
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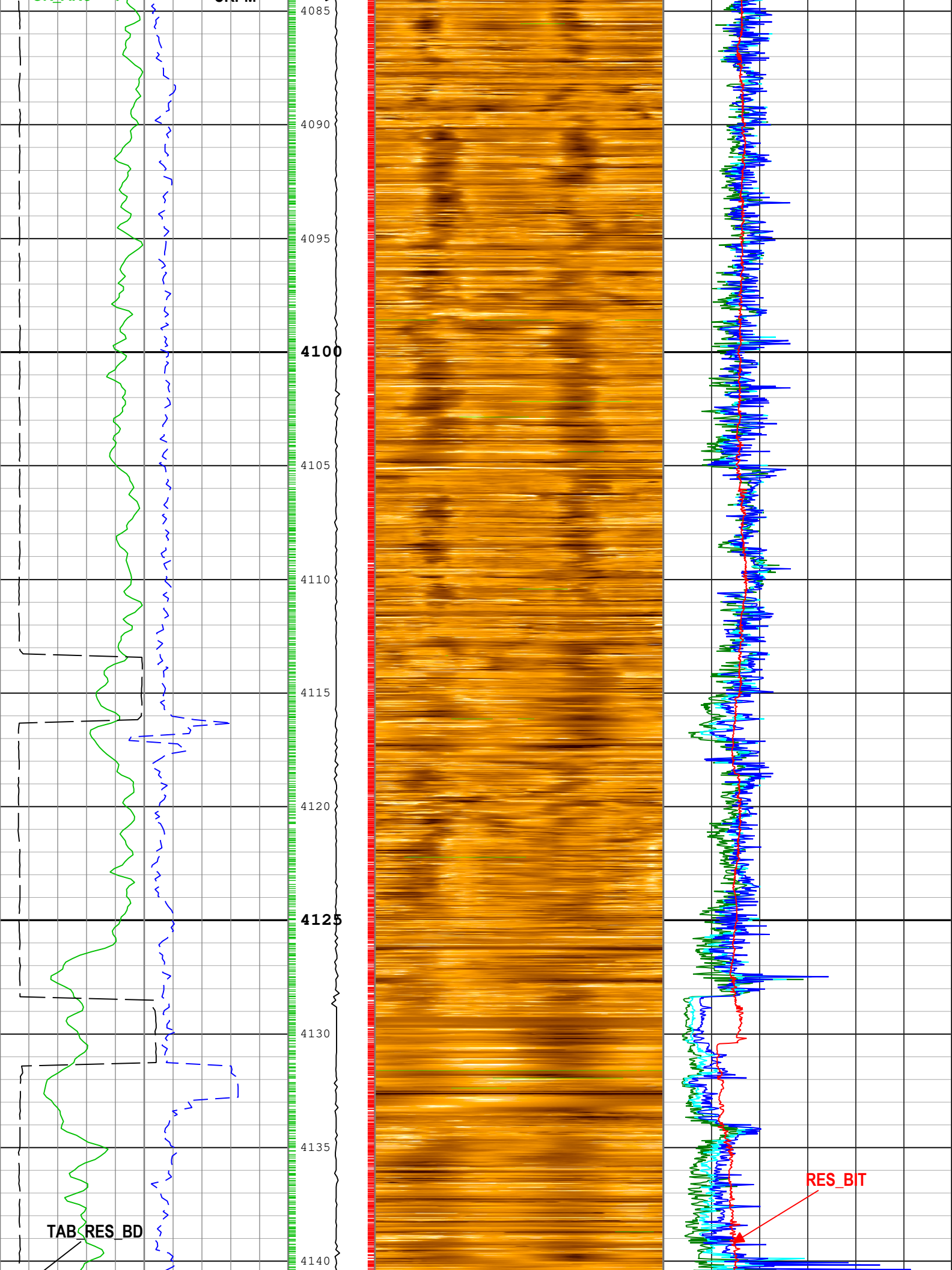
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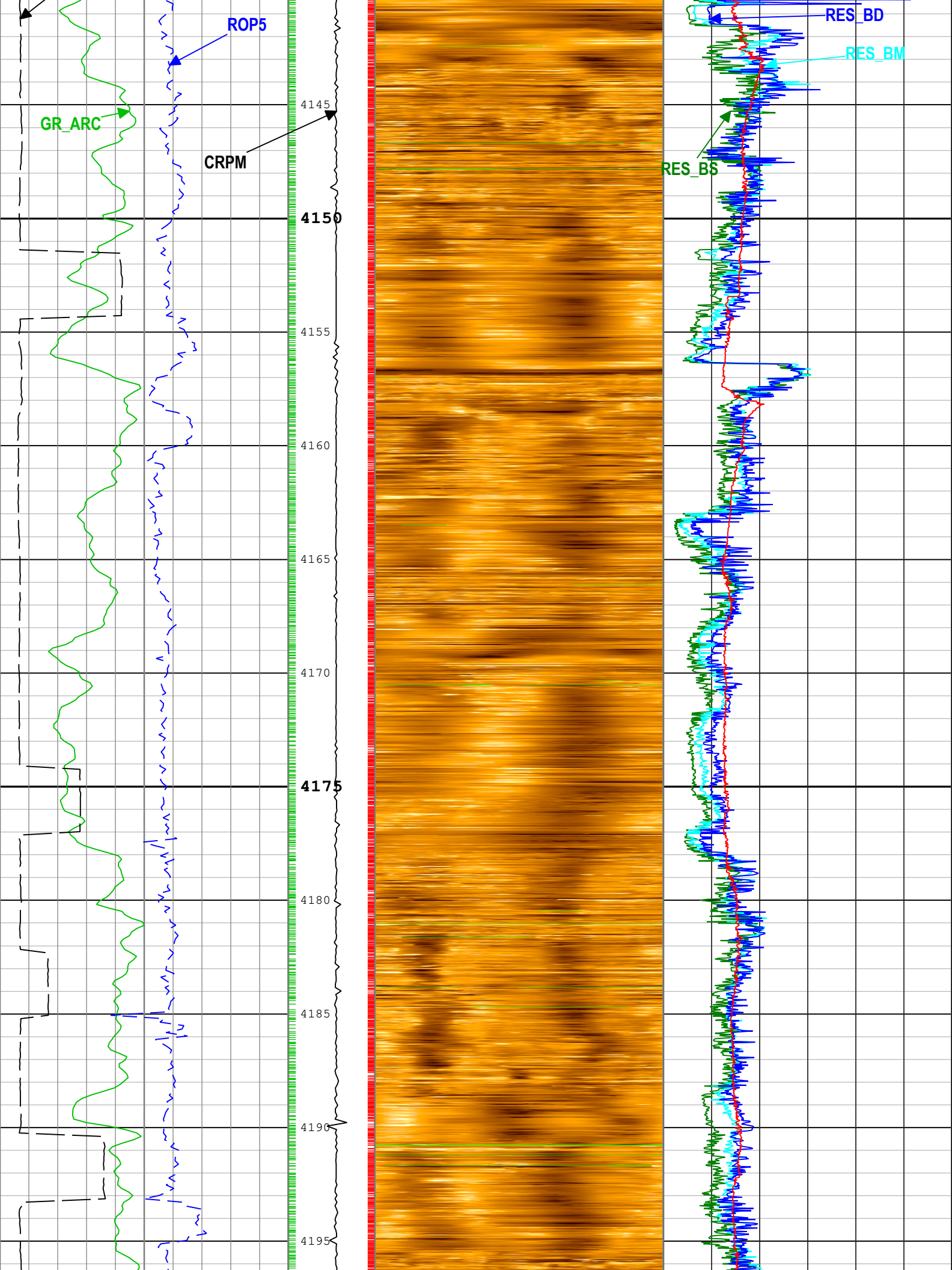
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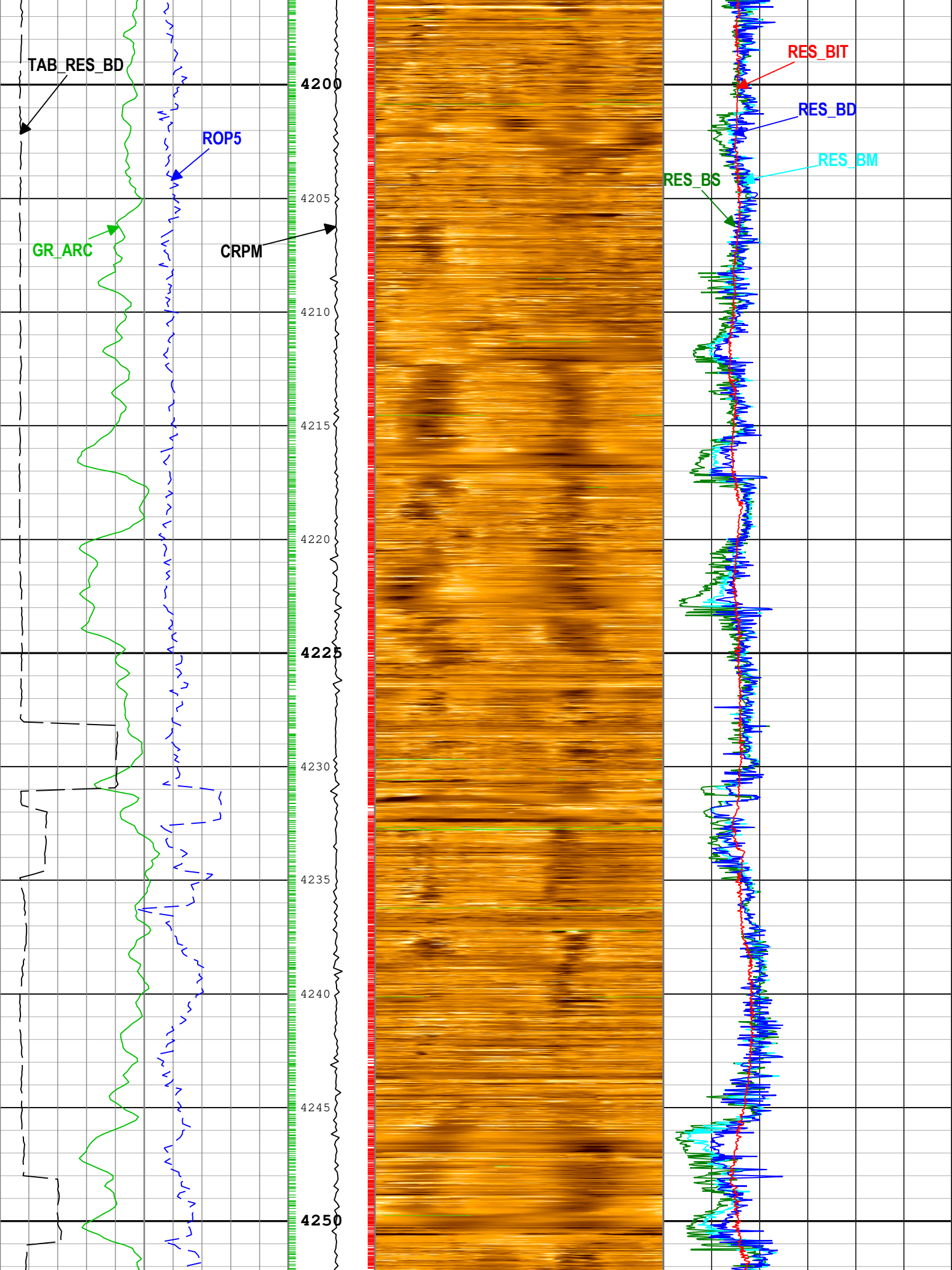
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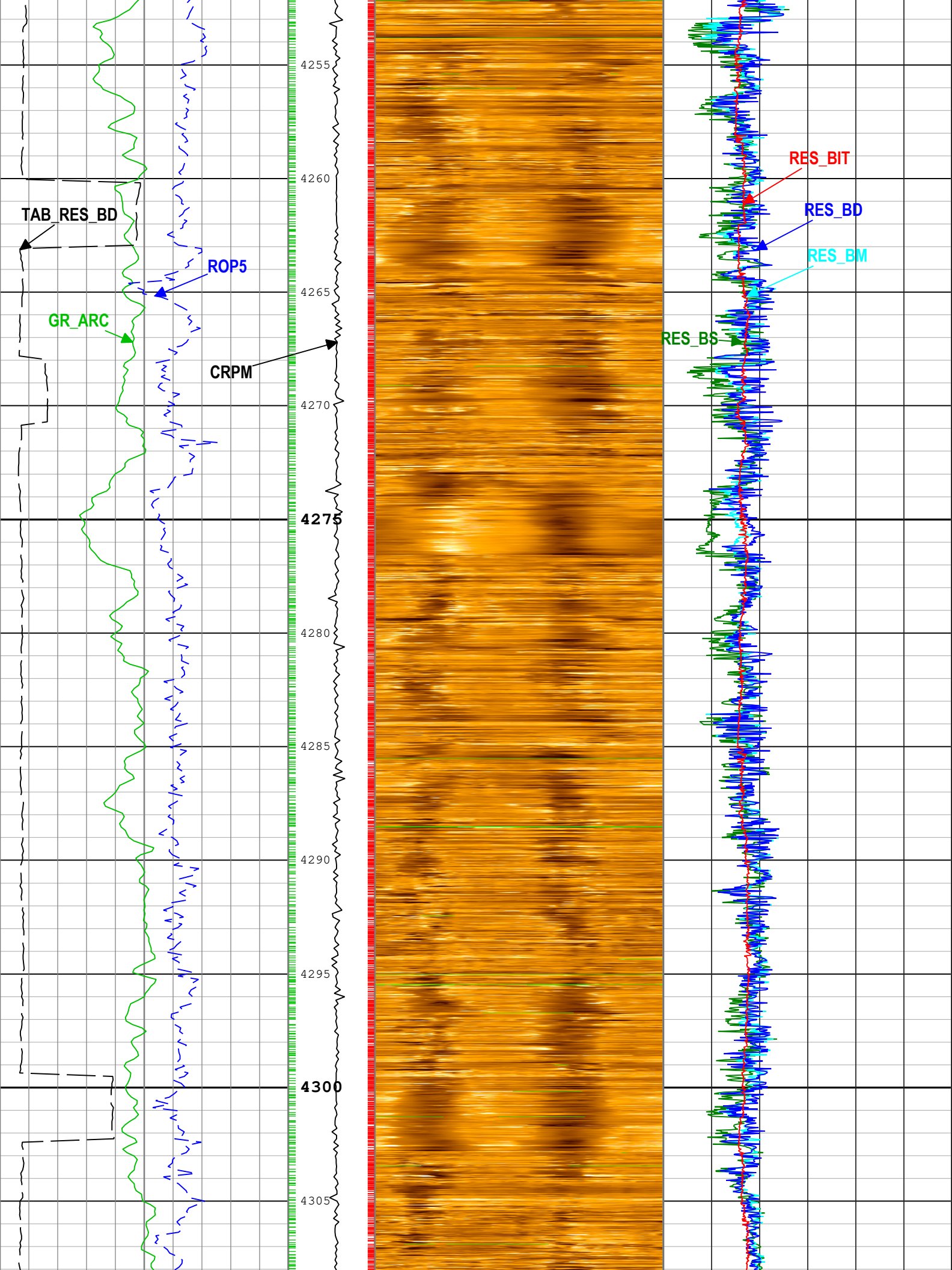
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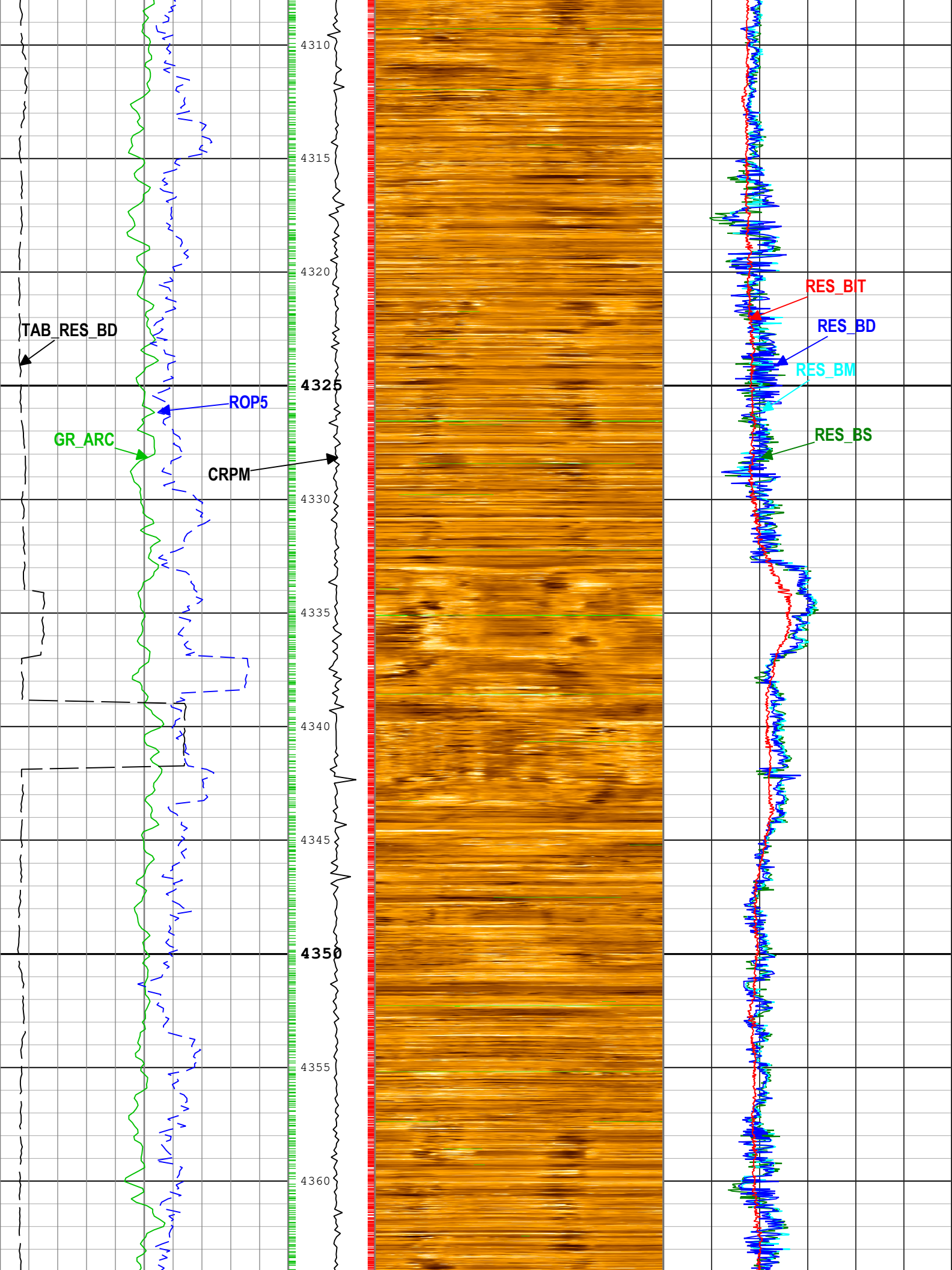
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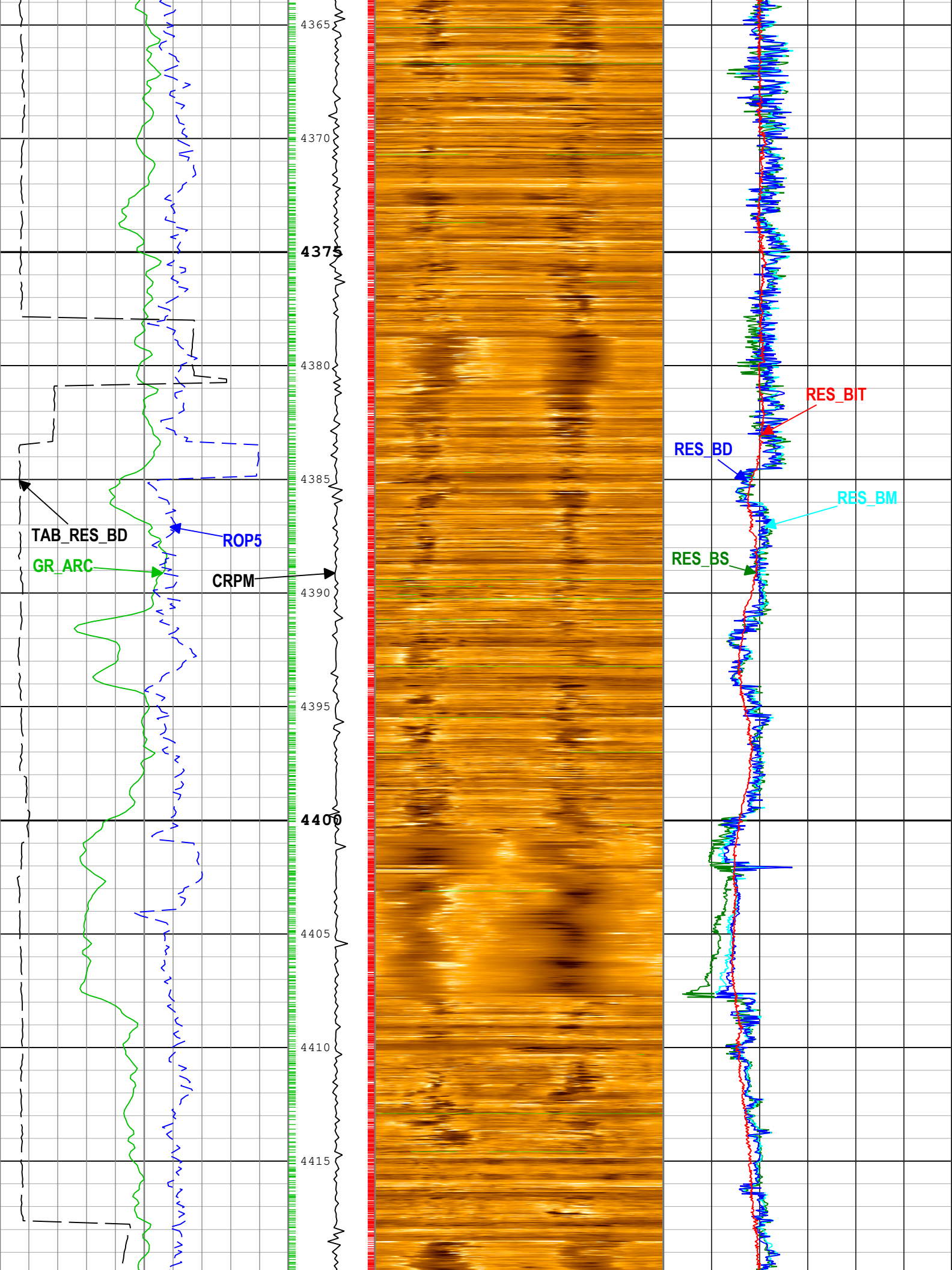
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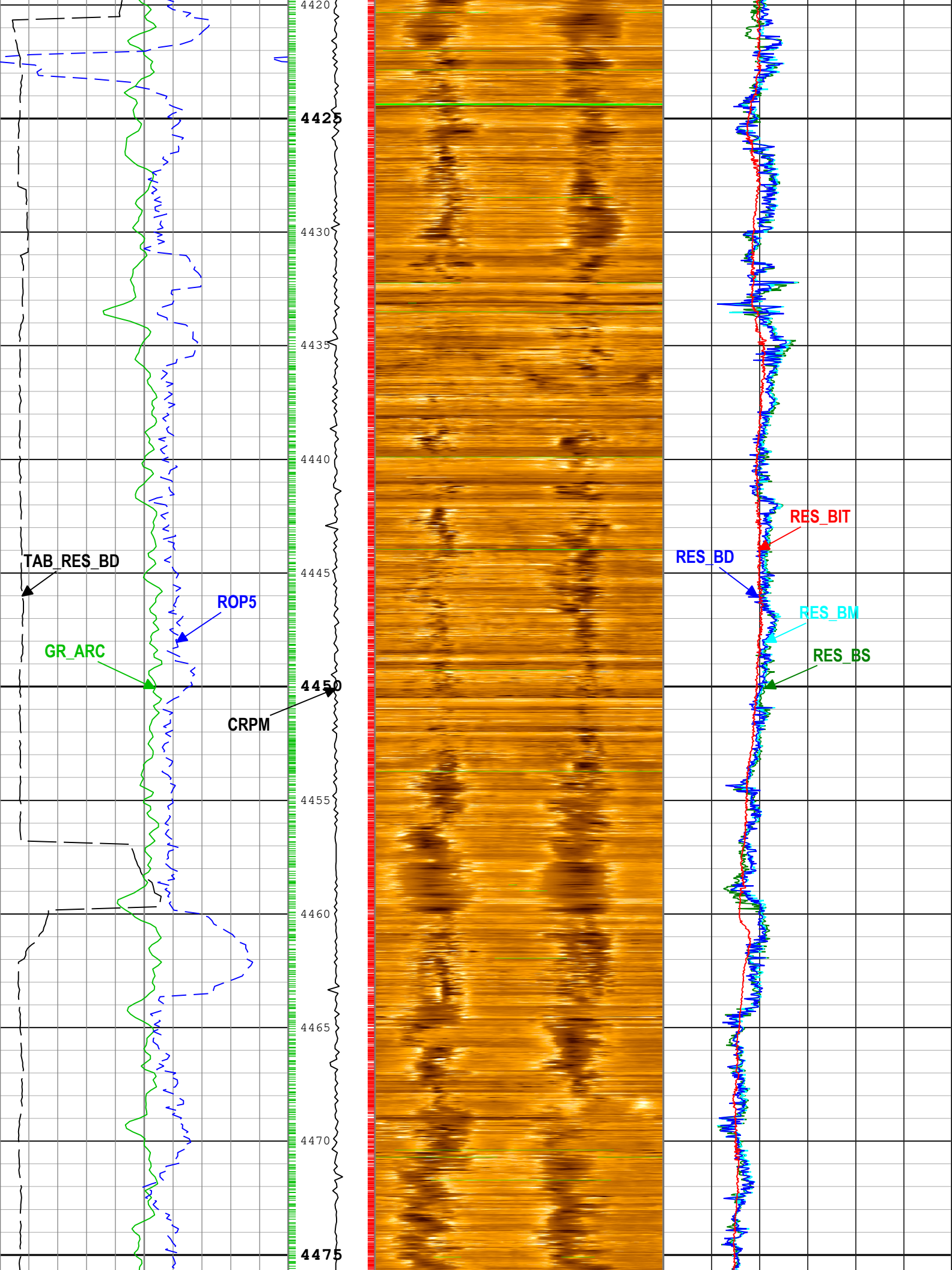
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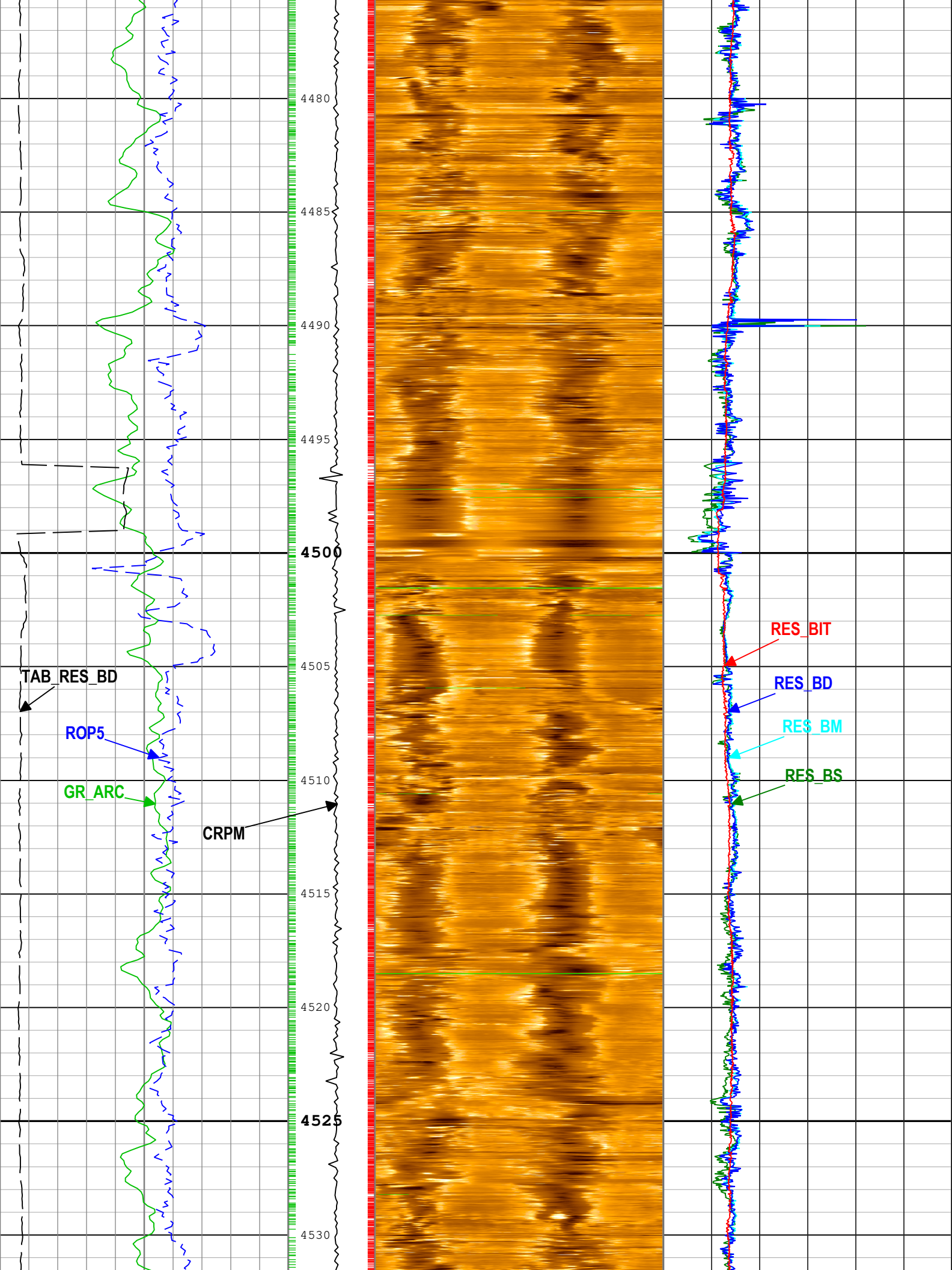
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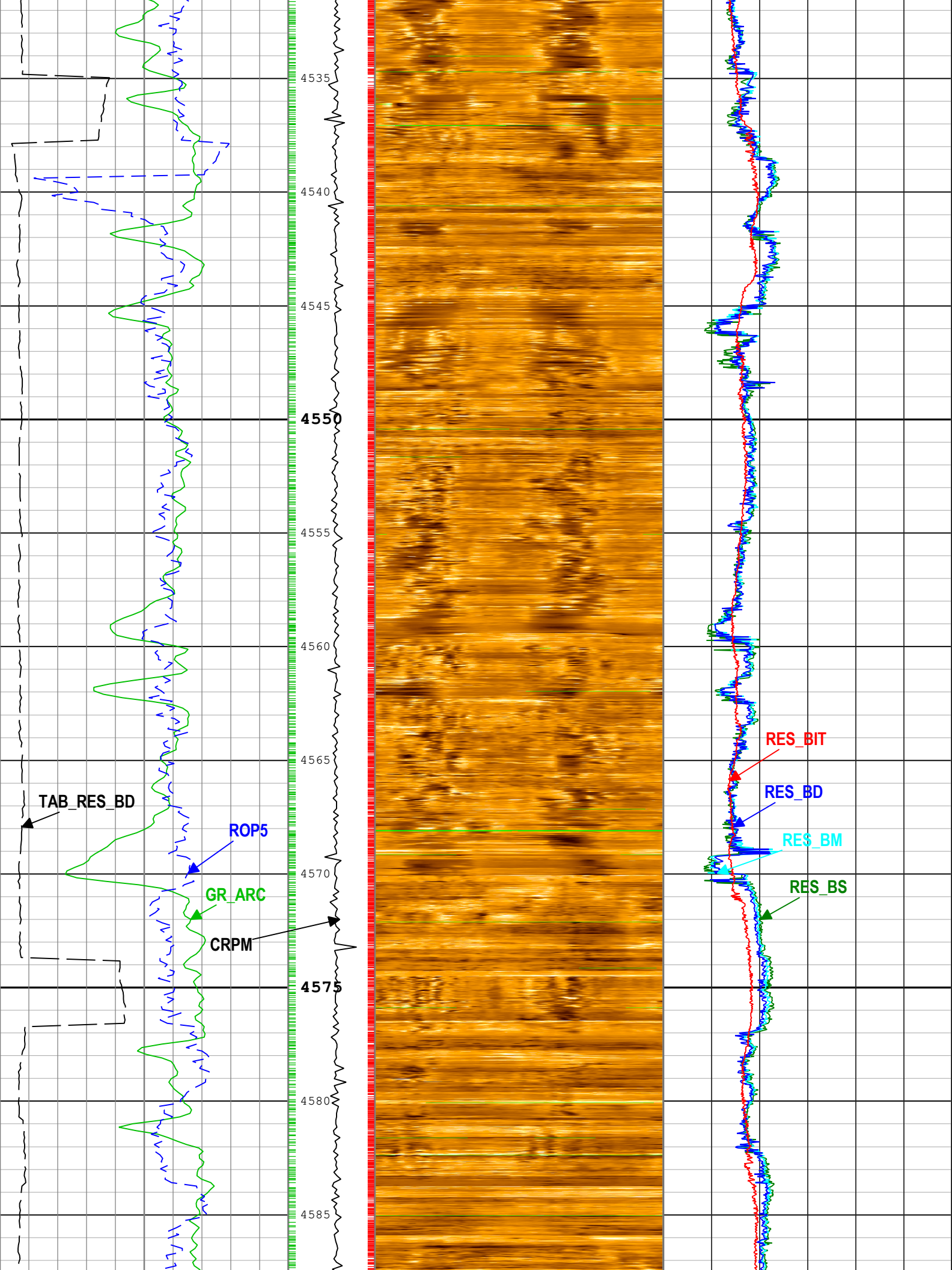
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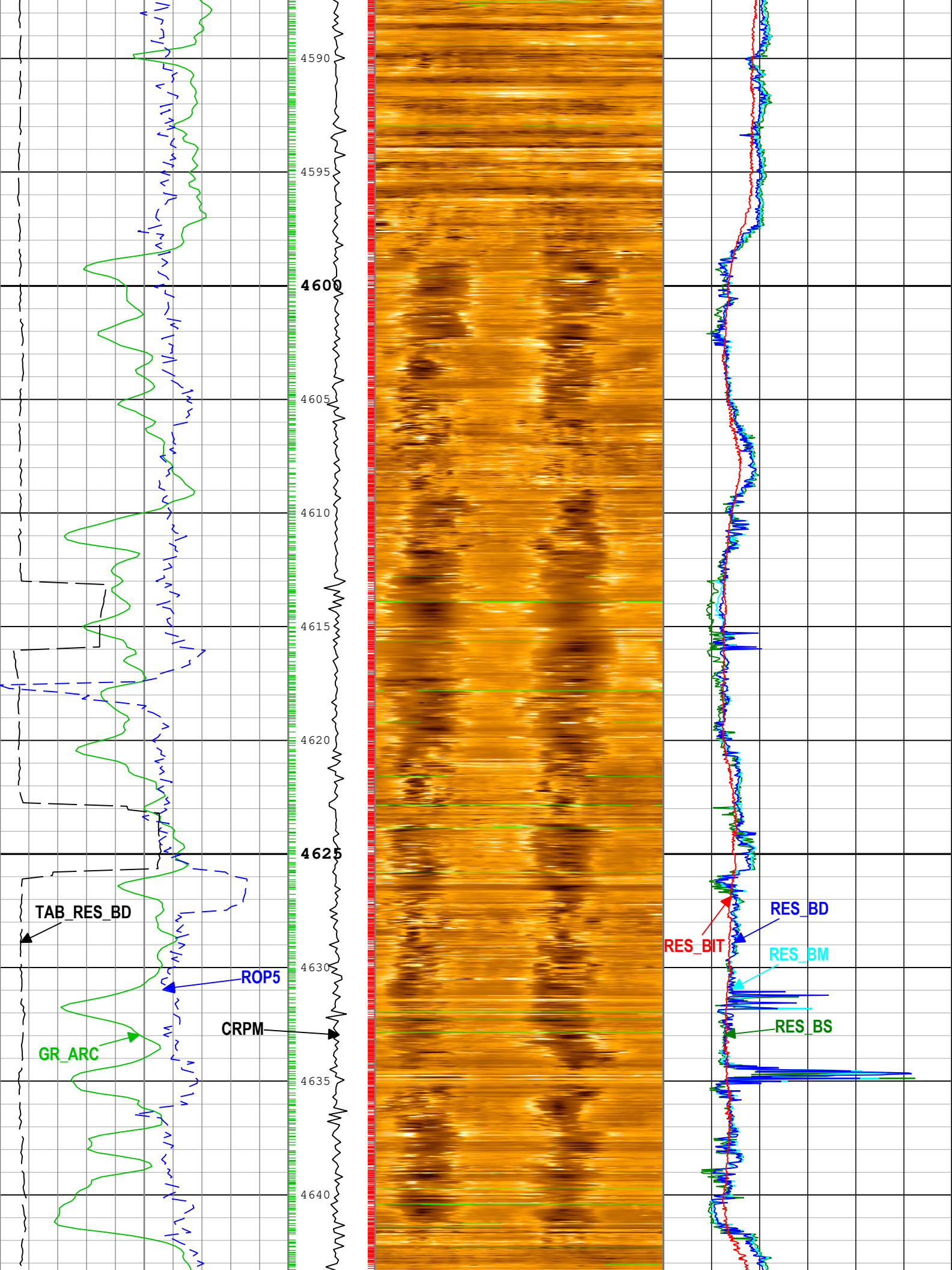
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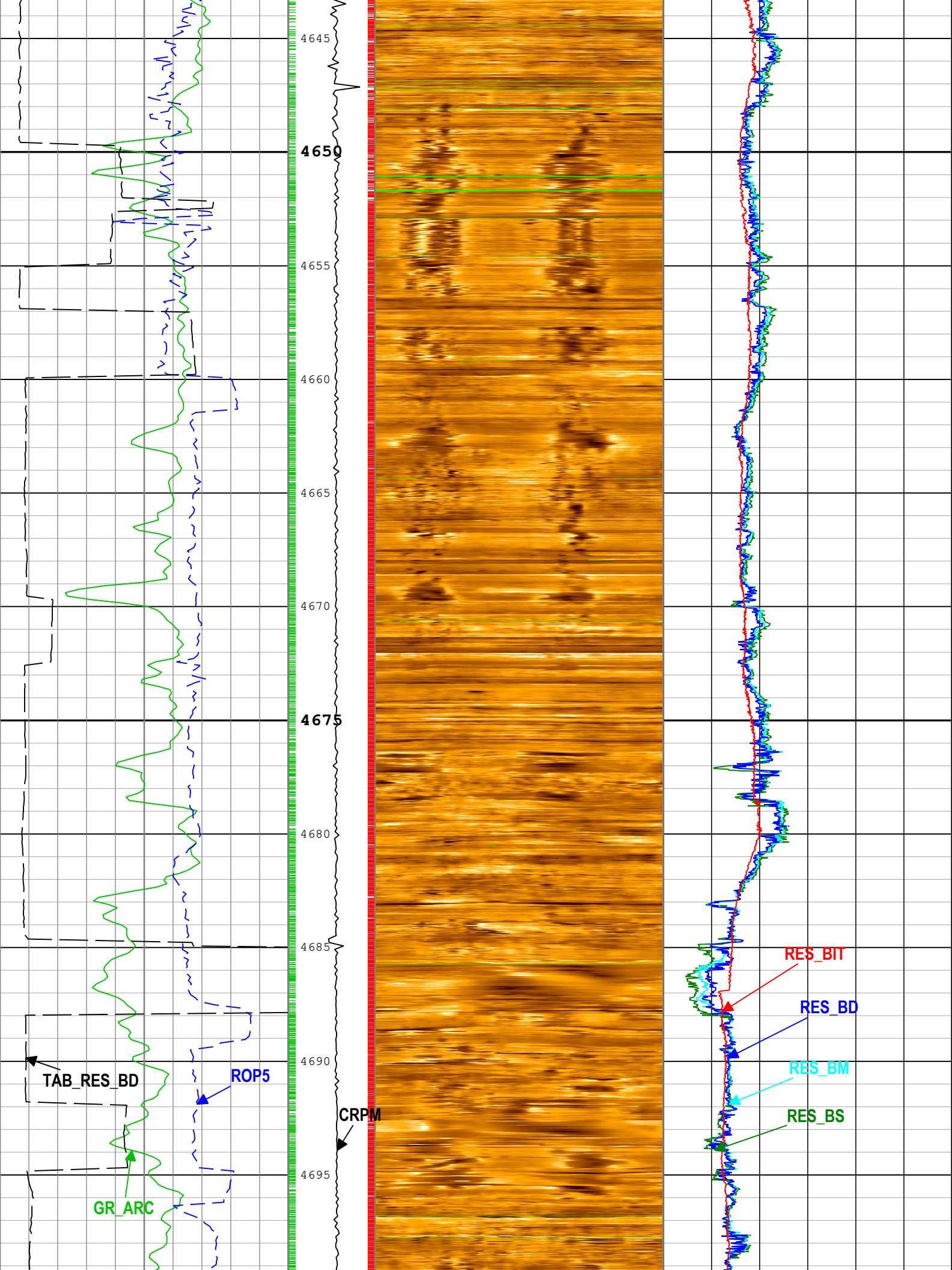
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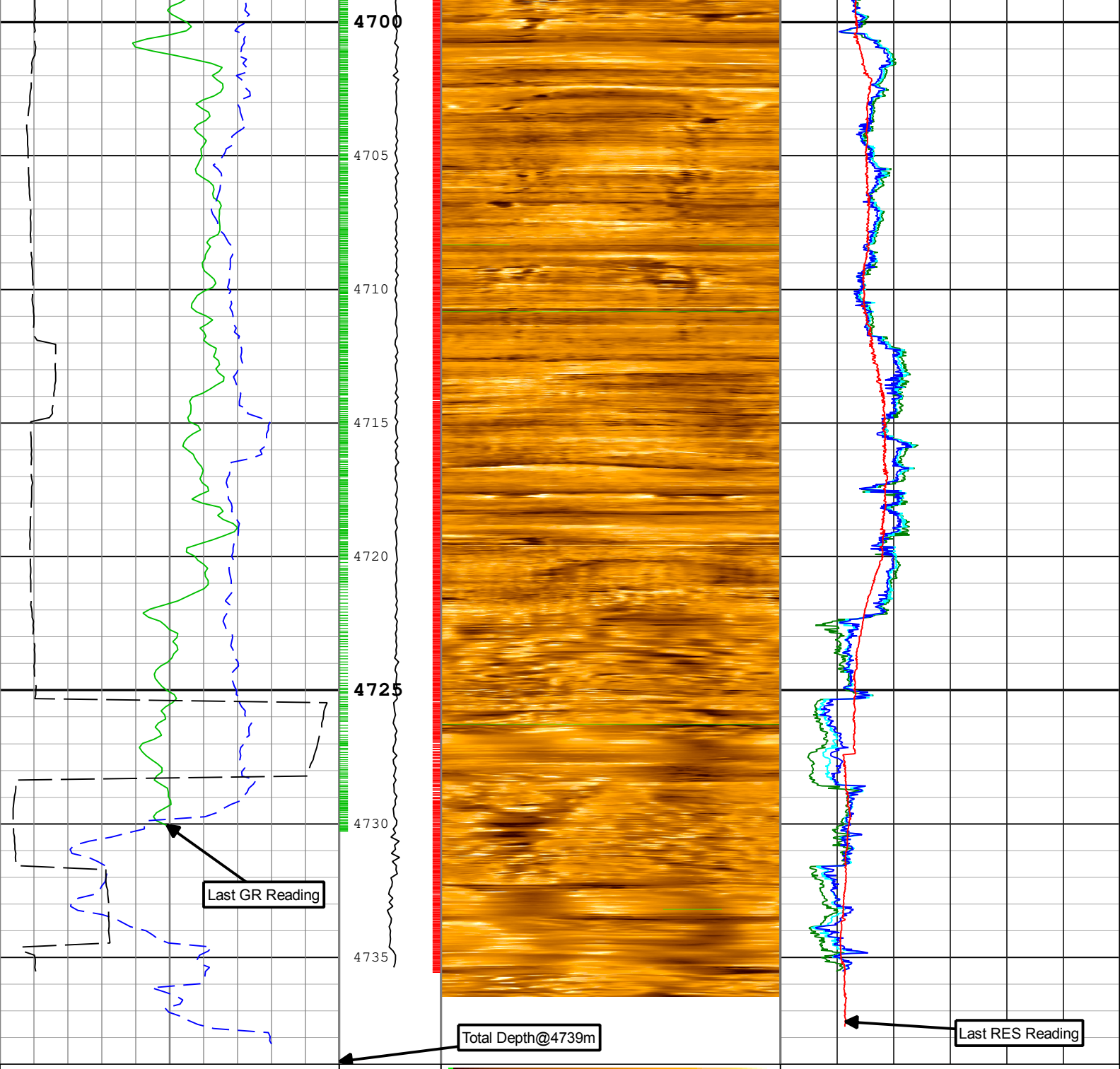


Gamma Ray (GR_ARC) ARC6 RM
0 gAPI 150

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

Deep Button Resistivity Time After Bit (TAB_RES_BD) MI6
0 h 2

Collar Rotational Speed (CRPM) MI6 RM
0 c/min 200

Dynamic Gaussian Normalization
RAB - UHRI IMG MI6 RM
Orientation: North Azimuth
N E S W N

Shallow Button Resistivity (RES_BS) MI6 RM
0 ohm.m 6

Medium Button Resistivity (RES_BM) MI6 RM
0 ohm.m 6

Deep Button Resistivity (RES_BD) MI6 RM
0 ohm.m 6

Bit Resistivity (RES_BIT) MI6 RM
0 ohm.m 6

TICKS_RES - Resistivity Tick Marks MI6 RM

TICK_ARC_GR - Gamma Ray Tick Marks ARC6 RM

Description: MicroScope Resistivity, Deep Button Image RM Format: Log (MI6 Res, UHRI RM MD) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 11-Mar-2019 10:04:34

Channel Processing Parameters

Run1: Parameters

Parameter	Description	Tool	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	0	%
BHT	Bottom Hole Temperature	Borehole	100	degC
BS	Bit Size	DNMSESSION	8.5	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.025	g/cm3
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
GCSE_RM	Generalized Caliper Selection for DnM recorded mode	Borehole	BS	
GGRD	Geothermal Gradient	Borehole	18.23	degC/km
GRSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS(RM)	
GTSE_RM	Generalized Temperature Selection for Recorded Mode	Borehole	GTEM_GRDSURF	
JOBID	Job Identification	DNMSESSION	19JAP0009	
MST	Mud Sample Temperature	Borehole	22.1	degC
RMS	Resistivity of Mud Sample	Borehole	0.2	ohm.m
SHT	Surface Hole Temperature	Borehole	20	degC
UHRI_IMG_T	UHRI Image Type	MI6	UHRI Raw	

Tool Control Parameters

Run1: Parameters

Parameter	Description	Tool	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DNMSESSION	0.6	m

MicroScope Repeat Log

Run1_LWD Repeat1 Log

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Ream Up 2	Up	4163.59 m	4186.33 m	09-Mar-2019 11:05:30 PM	10-Mar-2019 12:17:07 AM	No
Run1	Ream Up 3	Up	4154.55 m	4166.90 m	10-Mar-2019 12:17:23 AM	10-Mar-2019 1:10:19 AM	No
Run1	Ream Up 4	Up	4117.87 m	4155.47 m	10-Mar-2019 1:18:31 AM	10-Mar-2019 3:15:28 AM	No

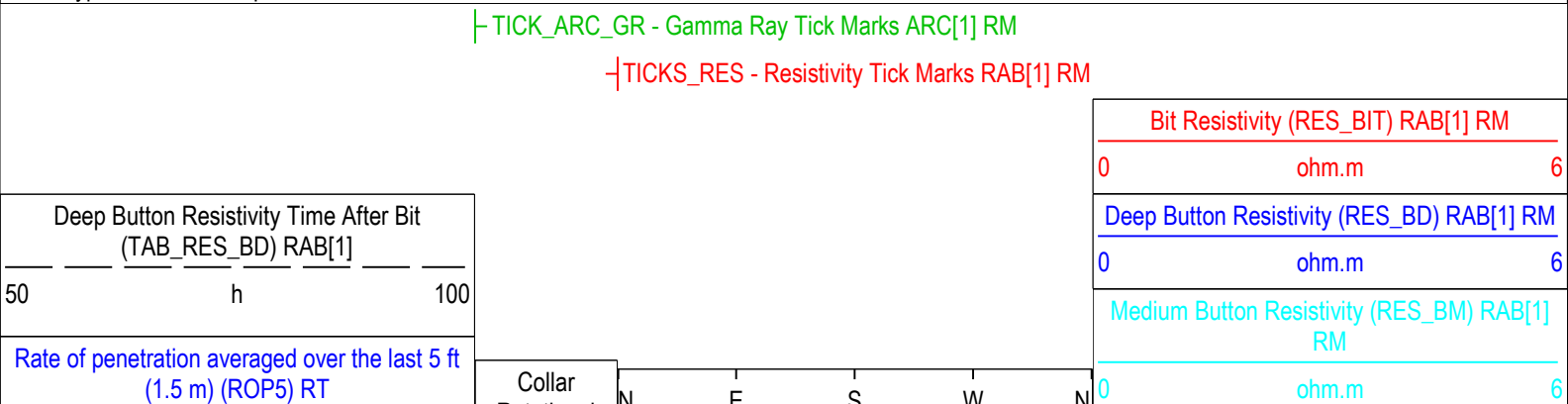
All depths are referenced to toolstring zero

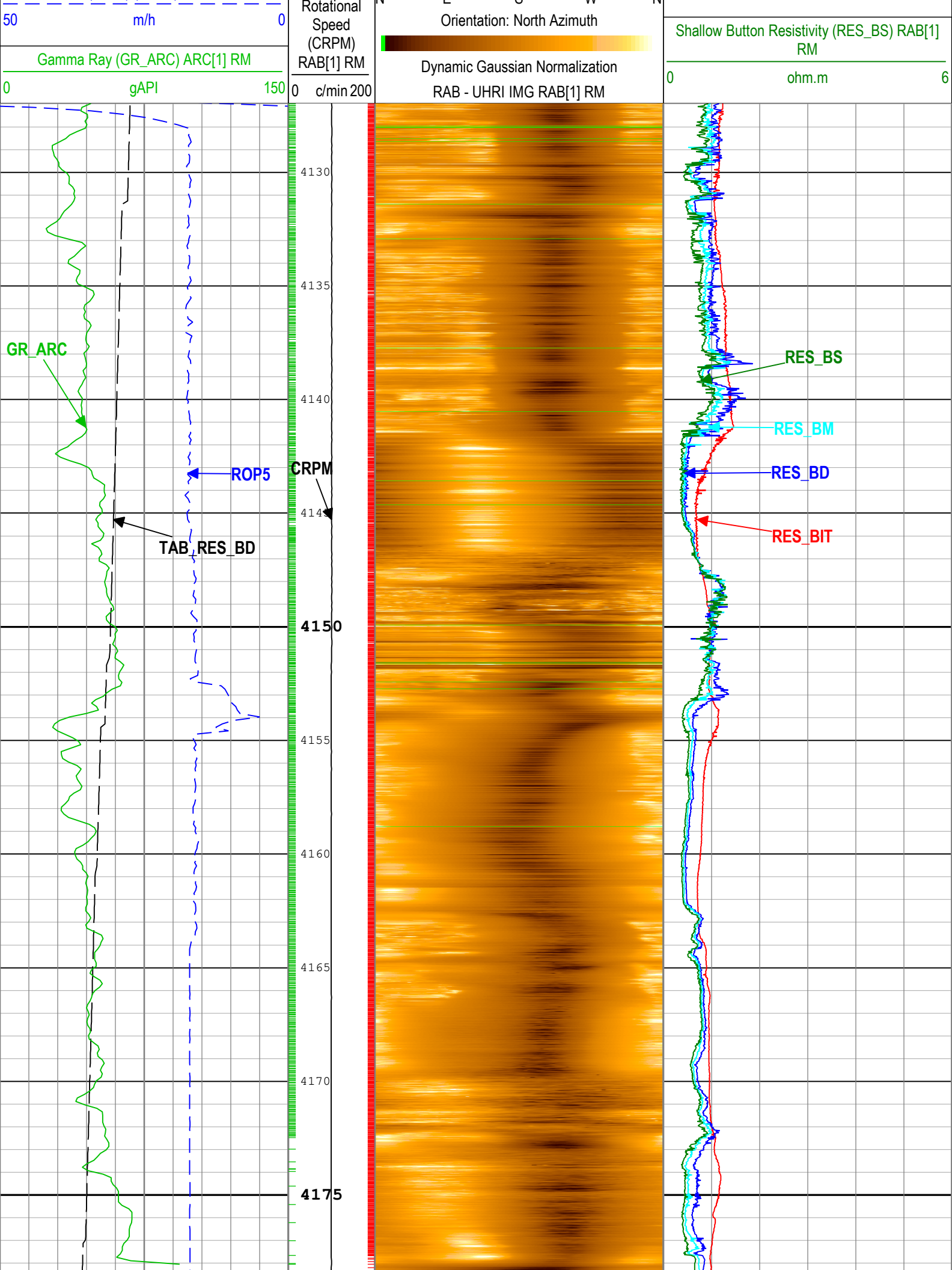
Log

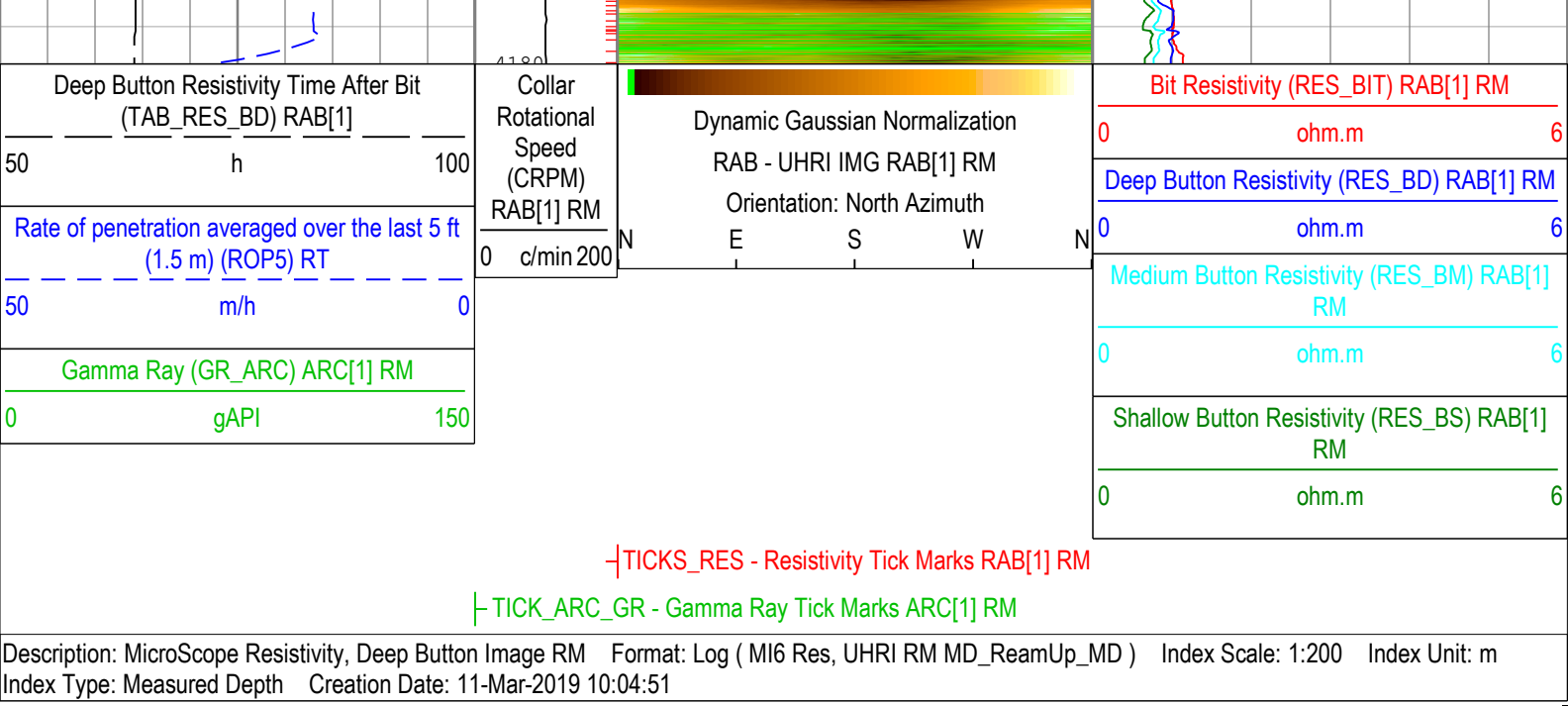
Company:JAMSTEC Well:C0024A

MicroScope Repeat Log:S066

Description: MicroScope Resistivity, Deep Button Image RM Format: Log (MI6 Res, UHRI RM MD_ReamUp_MD) Index Scale: 1:200 Index Unit: m
Index Type: Measured Depth Creation Date: 11-Mar-2019 10:04:51




50
m/h
0
Gamma Ray (GR_ARC) ARC[1] RM
0
gAPI
150
Rotational Speed (CRPM) RAB[1] RM
0
c/min
200
Orientation: North Azimuth
Dynamic Gaussian Normalization
RAB - UHRI IMG RAB[1] RM
Shallow Button Resistivity (RES_BS) RAB[1] RM
0
ohm.m
6
GR_ARC
ROP5
TAB_RES_BD
CRPM
RES_BS
RES_BM
RES_BD
RES_BIT
4130
4135
4140
4145
4150
4155
4160
4165
4170
4175



Description: MicroScope Resistivity, Deep Button Image RM Format: Log (MI6 Res, UHRI RM MD_ReamUp_MD) Index Scale: 1:200 Index Unit: m
Index Type: Measured Depth Creation Date: 11-Mar-2019 10:04:51

Channel Processing Parameters

Run1: Parameters

Parameter	Description	Tool	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	0	%
BHT	Bottom Hole Temperature	Borehole	100	degC
BS	Bit Size	DNMSESSION	8.5	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.025	g/cm3
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
GCSE_RM	Generalized Caliper Selection for DnM recorded mode	Borehole	BS	
GGRD	Geothermal Gradient	Borehole	18.23	degC/km
GRSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS(RM)	
GTSE_RM	Generalized Temperature Selection for Recorded Mode	Borehole	GTEM_GRDSURF	
JOBID	Job Identification	DNMSESSION	19JAP0009	
MST	Mud Sample Temperature	Borehole	22.1	degC
RMS	Resistivity of Mud Sample	Borehole	0.2	ohm.m
SHT	Surface Hole Temperature	Borehole	20	degC
UHRI_IMG_T	UHRI Image Type	MI6	UHRI Raw	

Tool Control Parameters

Run1: Parameters

Parameter	Description	Tool	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DNMSESSION	0.6	m

Run1

Run1_LWD Repeat2 Log

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Ream Up 9	Up	3849.32 m	3885.49 m	10-Mar-2019	10-Mar-2019	No

Run1	Ream Up 9	Up	3849.32 m	3889.49 m	10-Mar-2019 5:19:10 AM	10-Mar-2019 6:39:25 AM	No

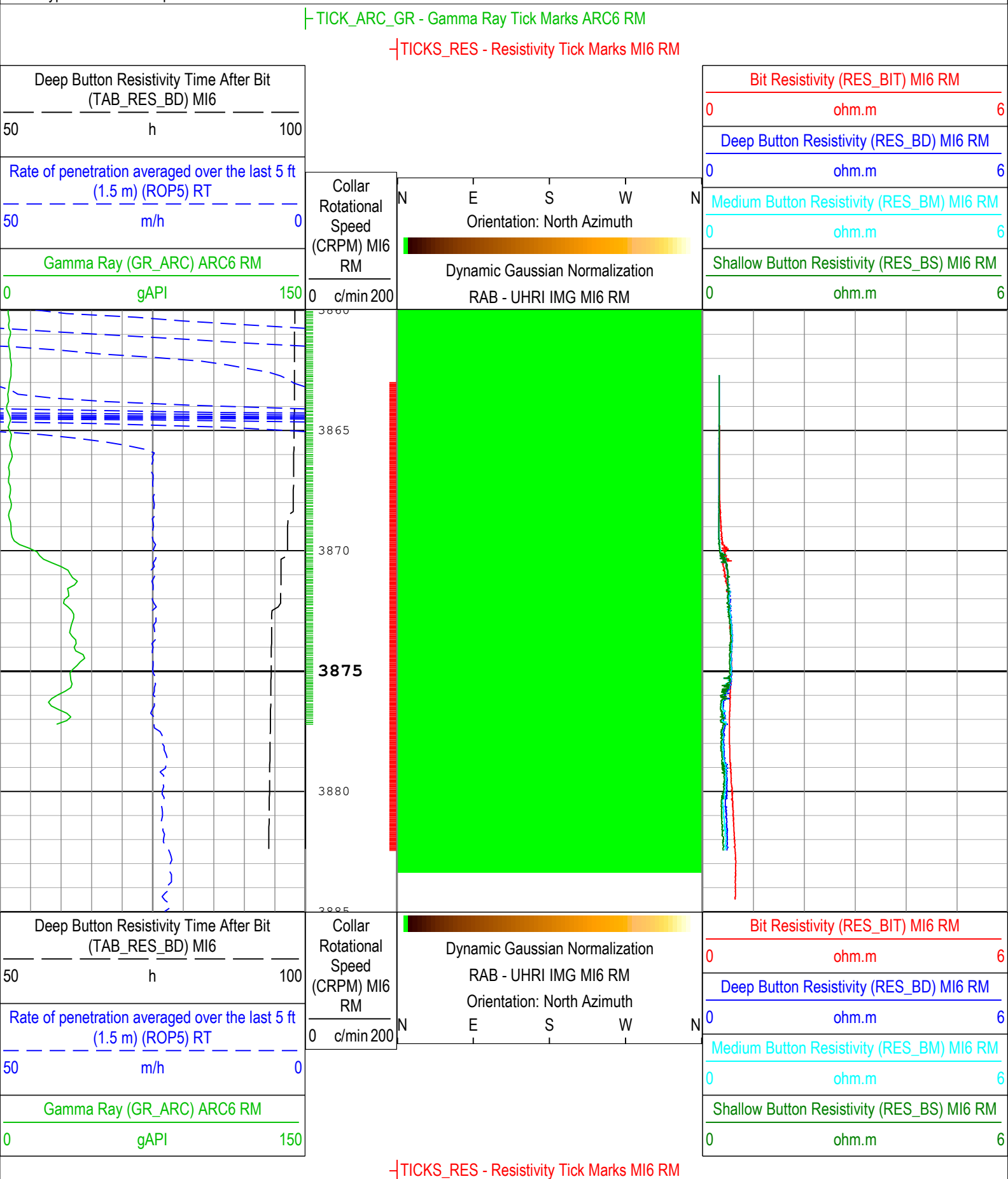
All depths are referenced to toolstring zero

Log

Company:JAMSTEC Well:C0024A

Run1: Ream Up 9:S066

Description: MicroScope Resistivity, Deep Button Image RM Format: Log (MI6 Res, UHRI RM MD_ReamUp_MD) Index Scale: 1:200 Index Unit: m
Index Type: Measured Depth Creation Date: 11-Mar-2019 10:04:55



Description: MicroScope Resistivity, Deep Button Image RM Format: Log (MI6 Res, UHRI RM MD_ReamUp_MD) Index Scale: 1:200 Index Unit: m
Index Type: Measured Depth Creation Date: 11-Mar-2019 10:04:55

Channel Processing Parameters

Run1: Parameters

Parameter	Description	Tool	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	0	%
BHT	Bottom Hole Temperature	Borehole	100	degC
BS	Bit Size	DNMSESSION	8.5	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.025	g/cm3
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
GCSE_RM	Generalized Caliper Selection for DnM recorded mode	Borehole	BS	
GGRD	Geothermal Gradient	Borehole	18.23	degC/km
GRSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS(RM)	
GTSE_RM	Generalized Temperature Selection for Recorded Mode	Borehole	GTEM_GRDSURF	
JOBID	Job Identification	DNMSESSION	19JAP0009	
MST	Mud Sample Temperature	Borehole	22.1	degC
RMS	Resistivity of Mud Sample	Borehole	0.2	ohm.m
SHT	Surface Hole Temperature	Borehole	20	degC
UHRI_IMG_T	UHRI Image Type	MI6	UHRI Raw	

Tool Control Parameters

Run1: Parameters

Parameter	Description	Tool	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DNMSESSION	0.6	m

Run1

Run1_DML Log

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Drilling	Down	3799.48 m	4738.57 m	05-Mar-2019 12:00:28 PM	10-Mar-2019 6:17:31 PM	No

All depths are referenced to toolstring zero

Log

Company:JAMSTEC Well:C0024A
Run1: Drilling:S066

Description: Format: Log (Drilling Mechanics Log 675 RM MD) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 11-Mar-2019 10:04:58

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

Standpipe Pressure (SPPA) RT
0 MPa 30

CRPM_Tele Scope
0 c/min 200

Stick Slip Indicator (STICKNSLIP) TELE675-IW

Downhole Annulus Pressure (APRS_ARC) ARC6 RM
0 MPa 80

Downhole Annulus Temperature (ATMP) ARC6 RM
0 degC 100

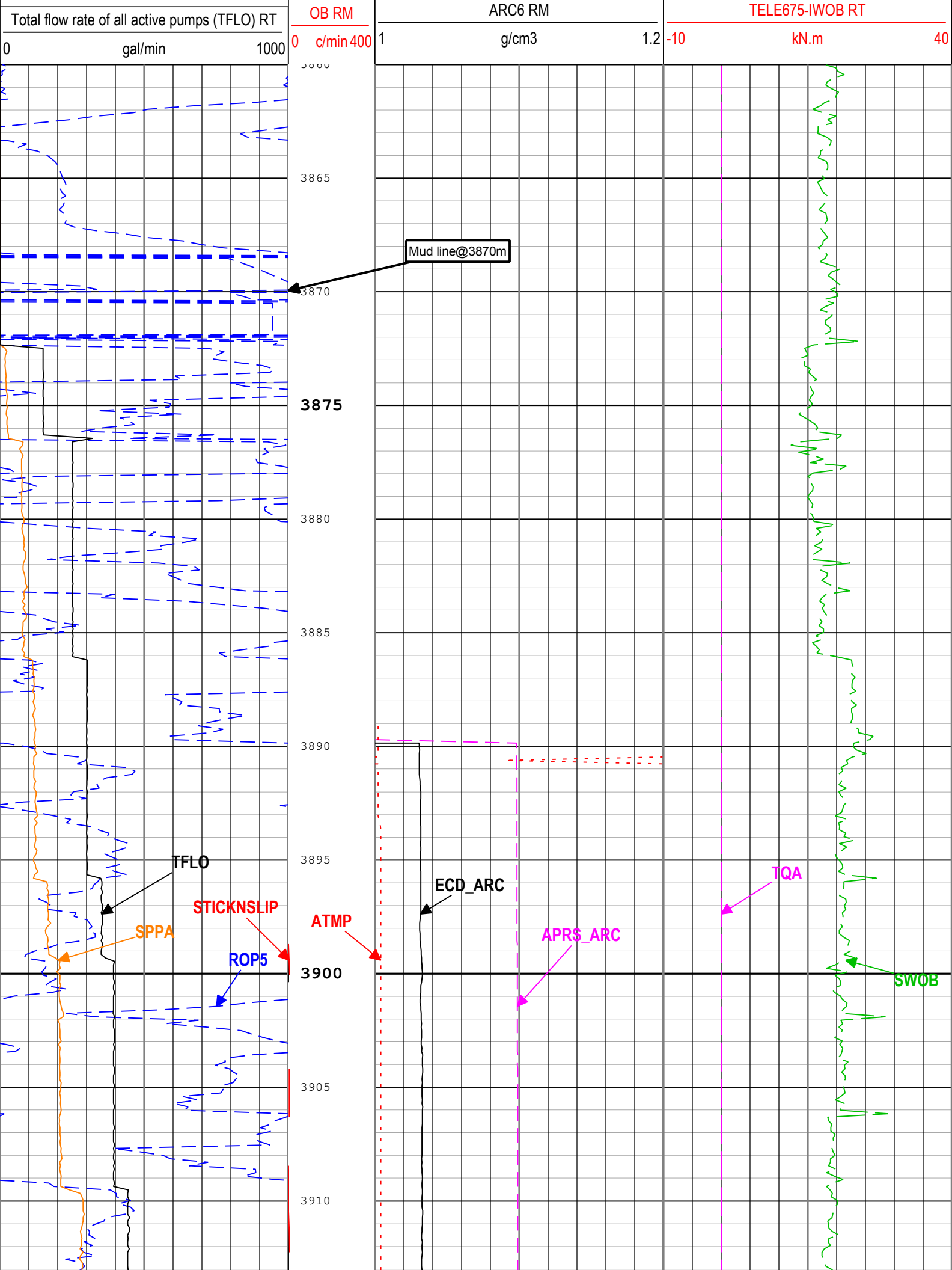
Equivalent Circulating Density (ECD_ARC)

Downhole Weight on Bit (DWOB_RT) TELE675-IWOB RT
-400 kN 200

Surface Weight On Bit (SWOB) RT
-400 kN 200

Surface Torque (TQA) RT
-10 kN.m 40

Downhole Torque (MWD) (DTOR_RT)


Total flow rate of all active pumps (TFLO) RT
0
gal/min
1000
OB RM
0
c/min
400
ARC6 RM
1
g/cm3
1.2
TELE675-IWOB RT
-10
kN.m
40
3865
Mud line@3870m
3870
3875
3880
3885
3890
3895
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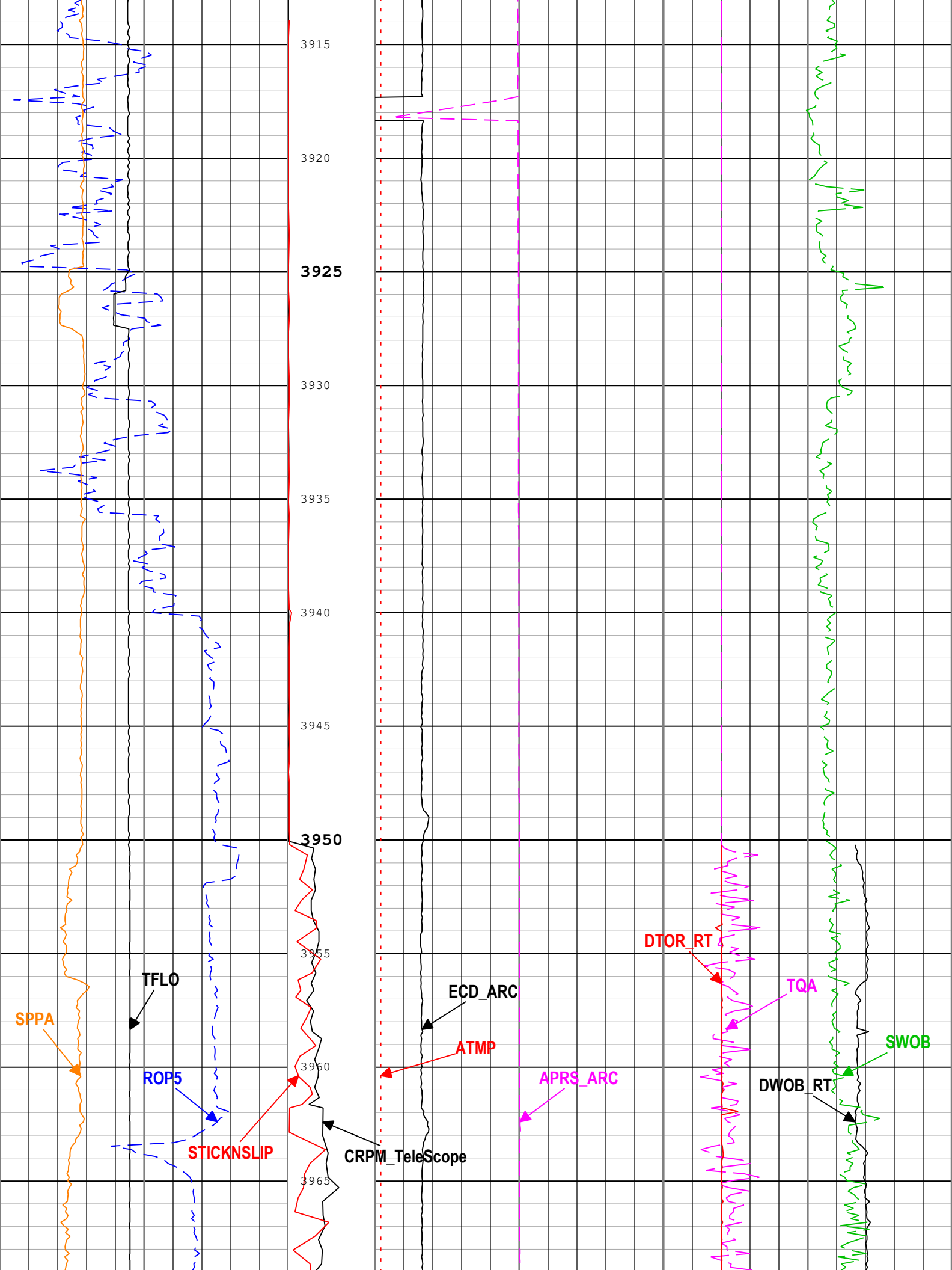
3905
3910
TFLO
STICKNSLIP
SPPA
ROP5
ATMP
ECD_ARC
APRS_ARC
TQA
SWOB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3965
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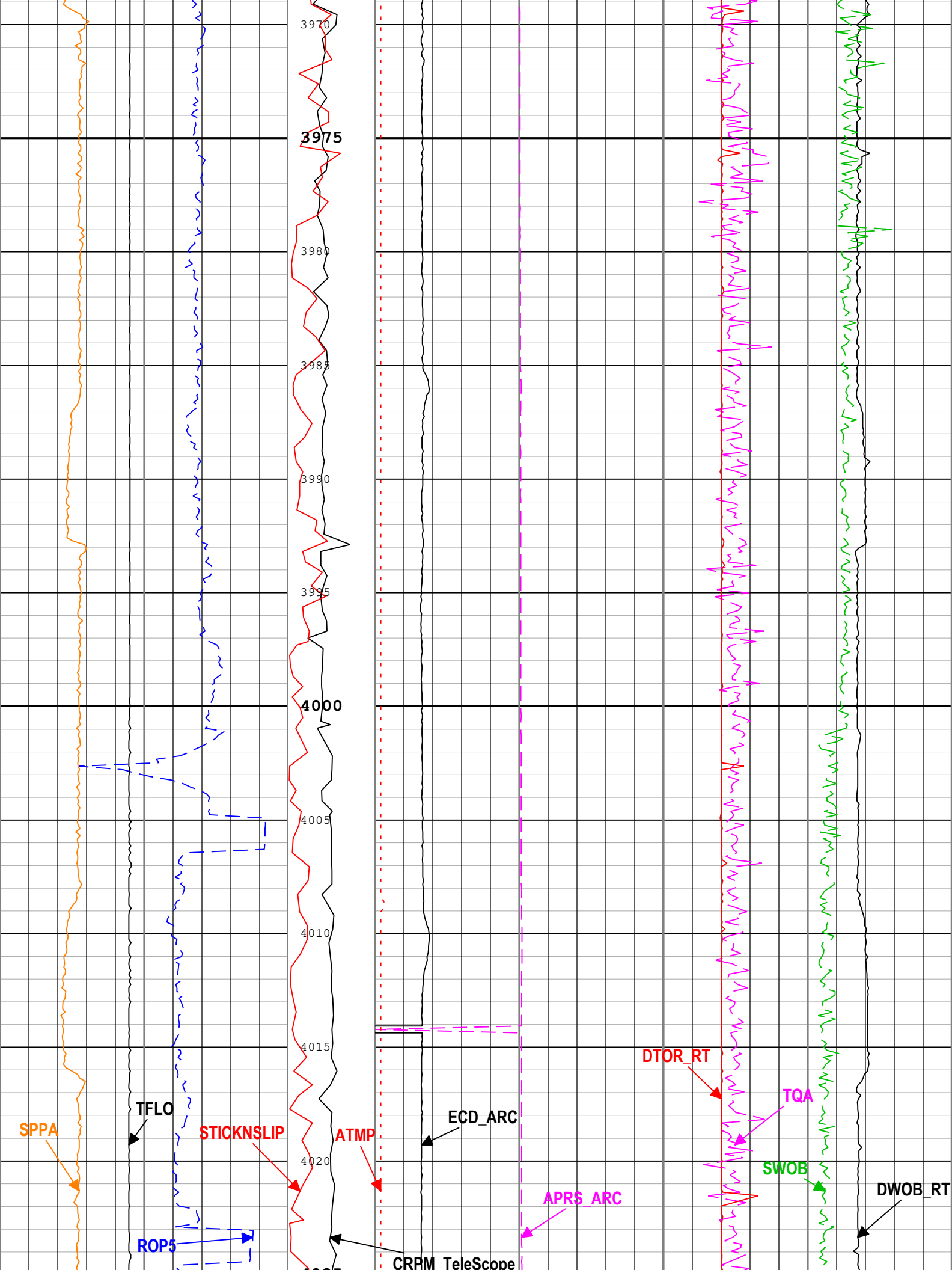
CRPM_TeleScope
ECD_ARC
ATMP
APRS_ARC
DTOR_RT
TQA
SWOB
DWOB_RT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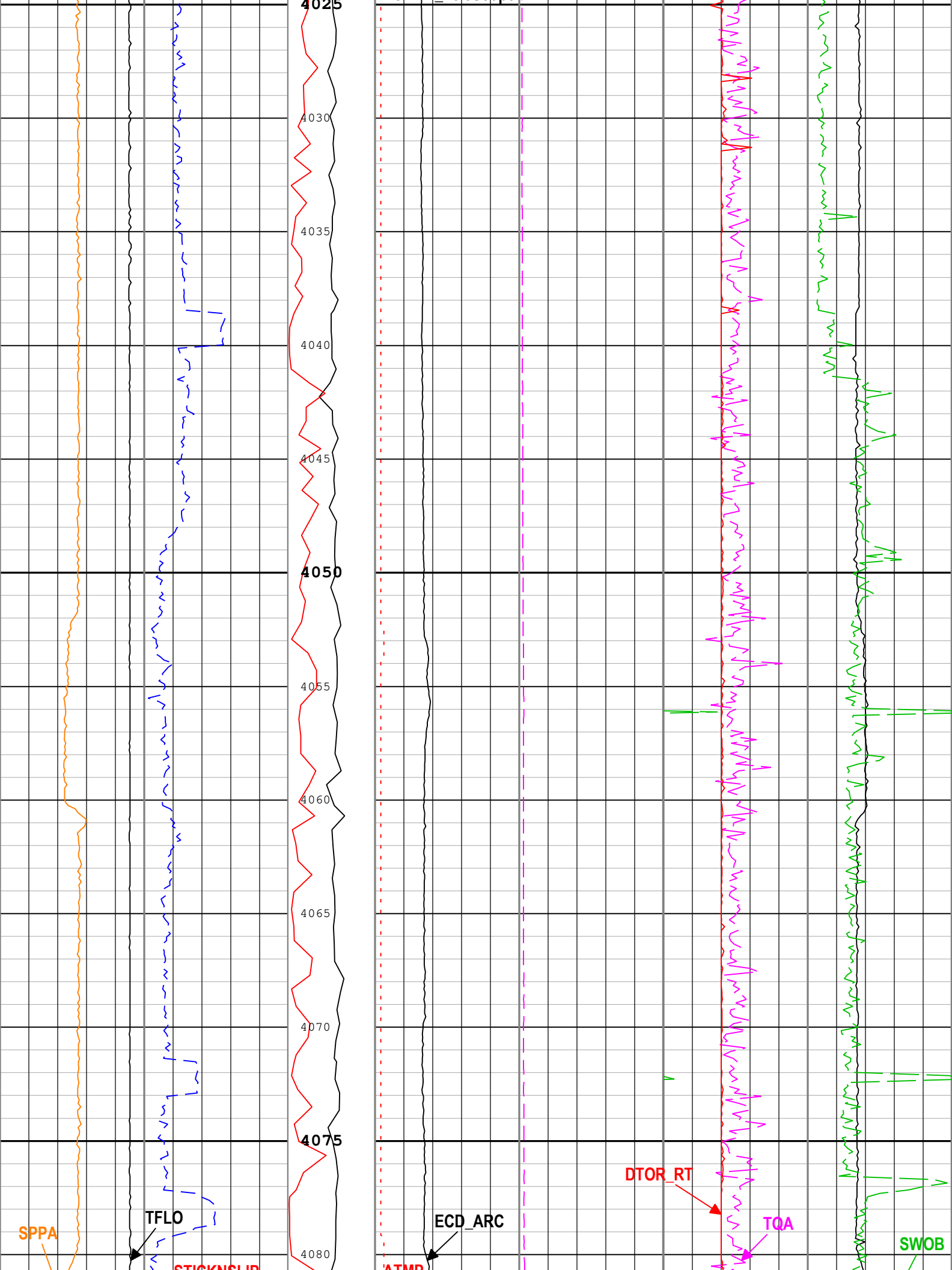
CRPM_TeleScope
APRS_ARC
DTOR_RT
TQA
SWOB
DWOB_RT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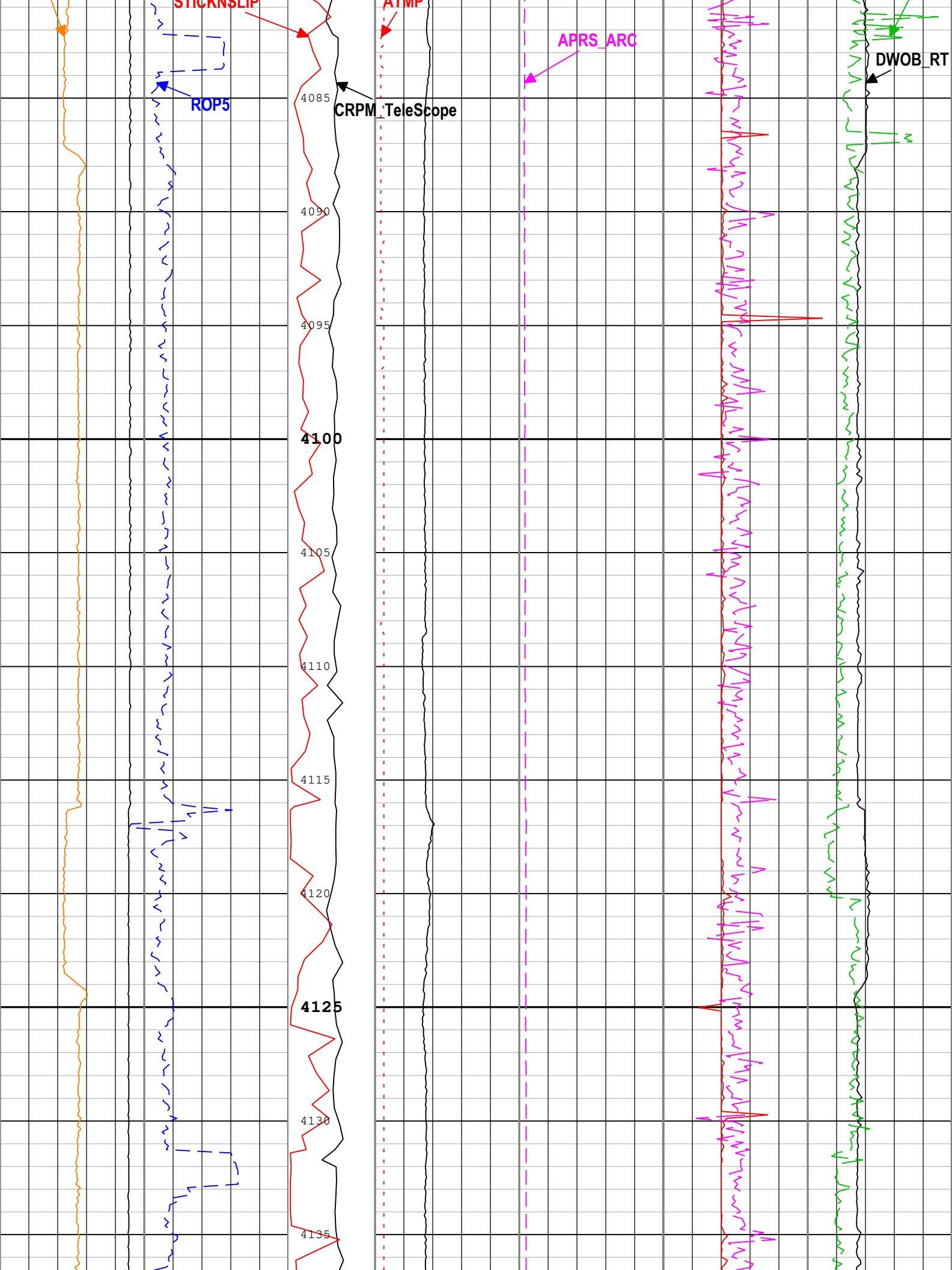
ATMP
DTOR_RT
TQA
SWOB


STICKNSLIP
ATMP
APRS_ARC
DWOB_RT
ROP5
CRPM_TeleScope
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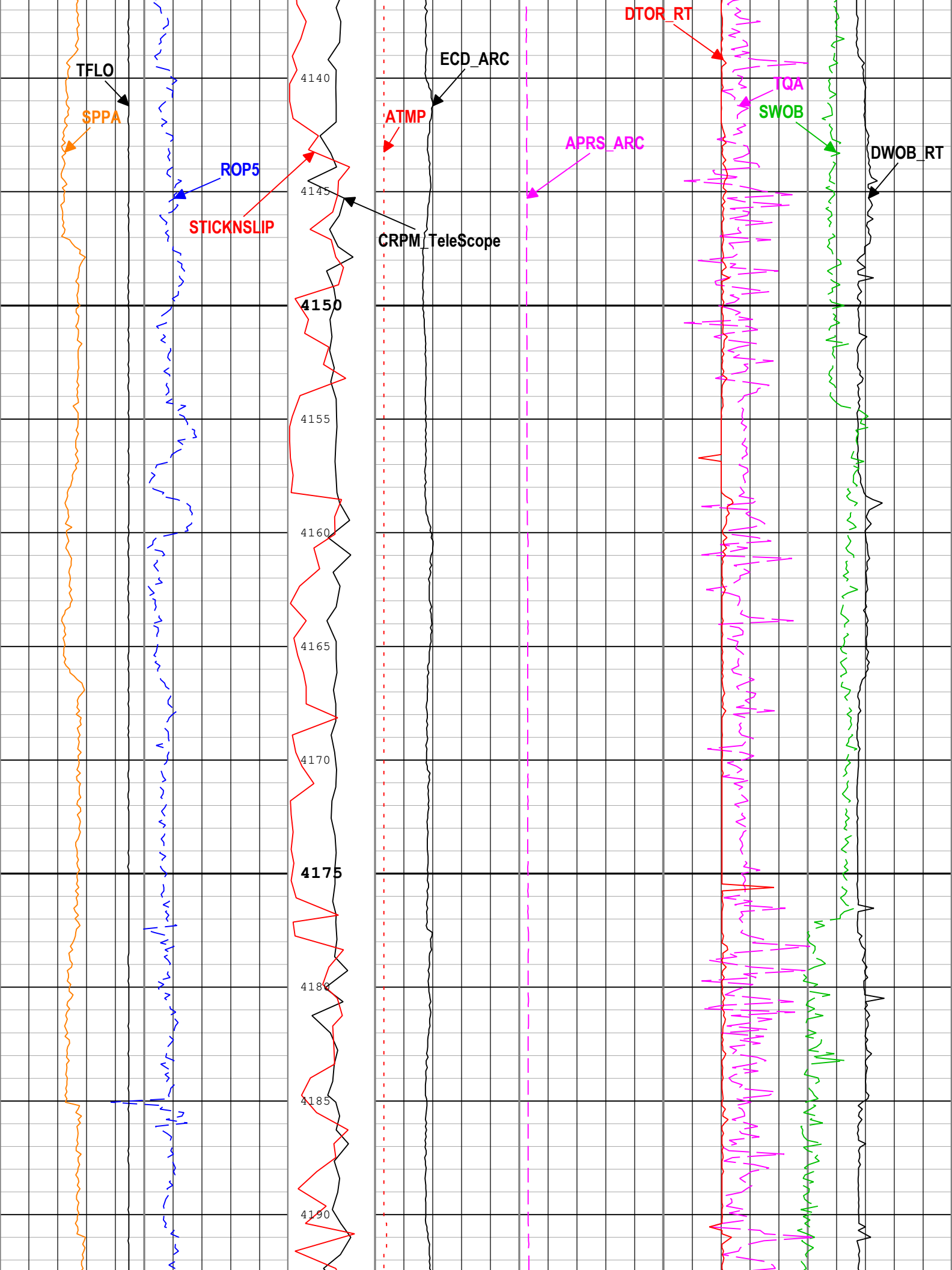
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CRPM_TeleScope
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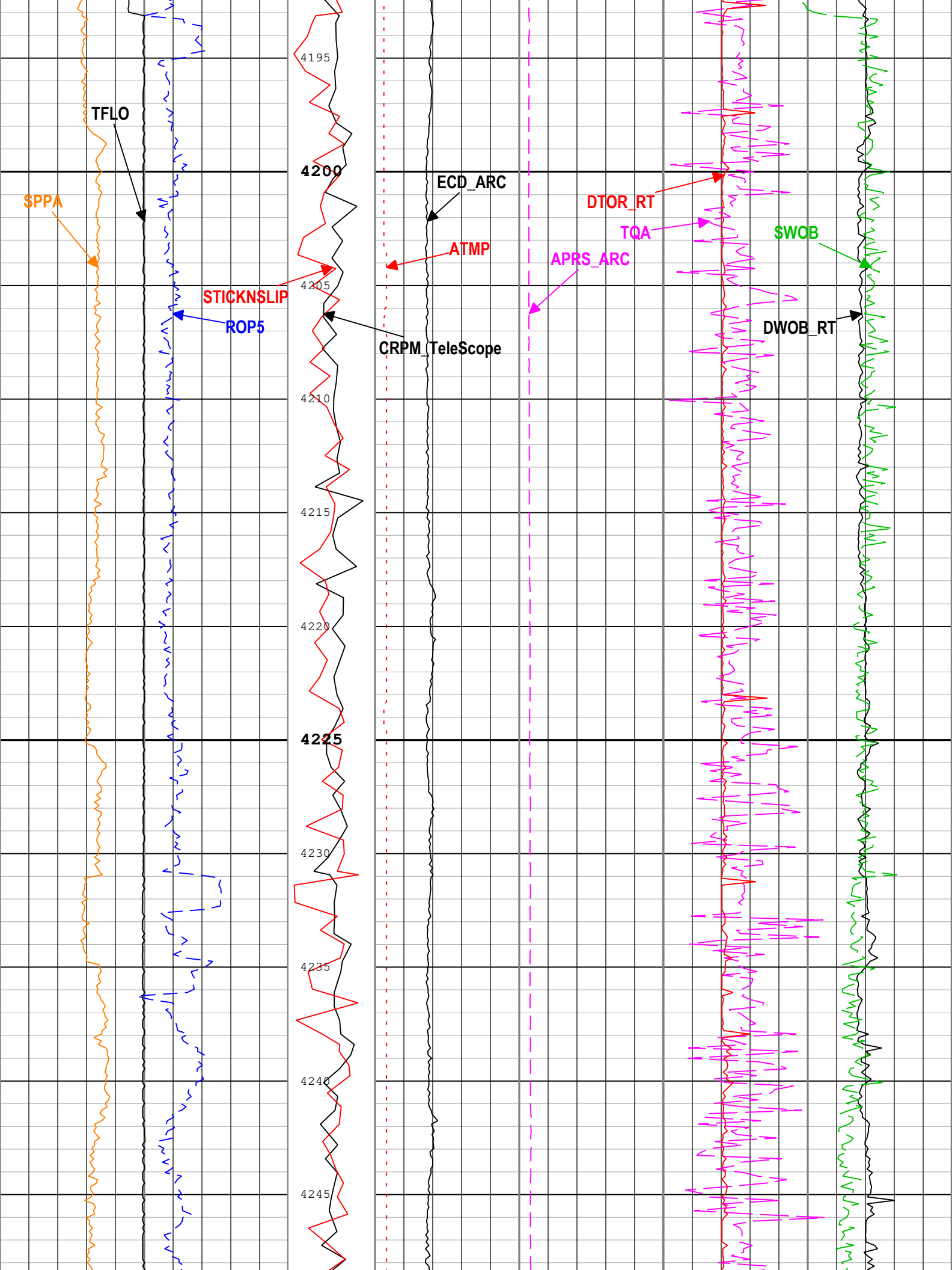
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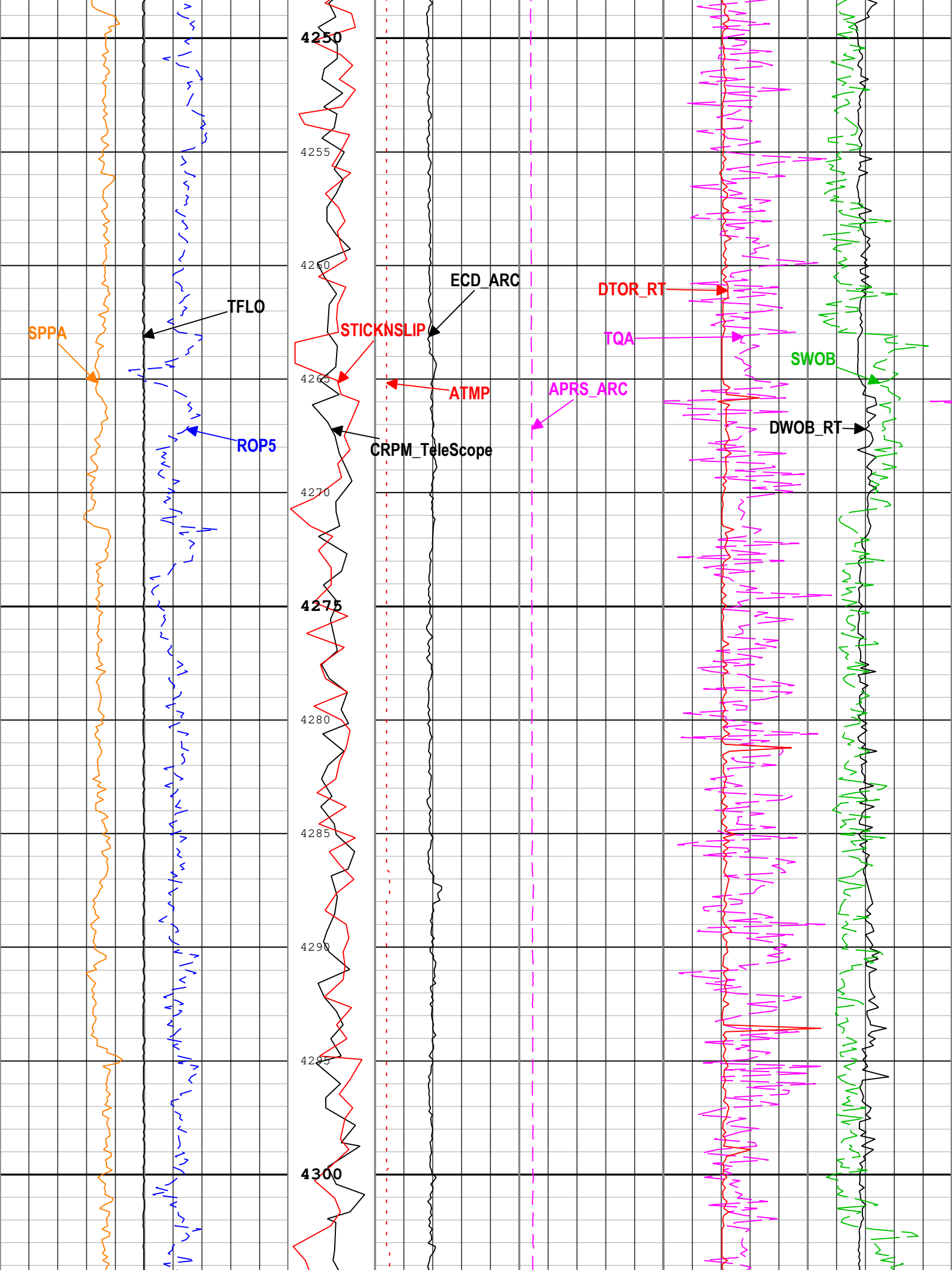
APRS_ARC
DTOR_RT
TQA
SWOB
DWOB_RT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APRS_ARC
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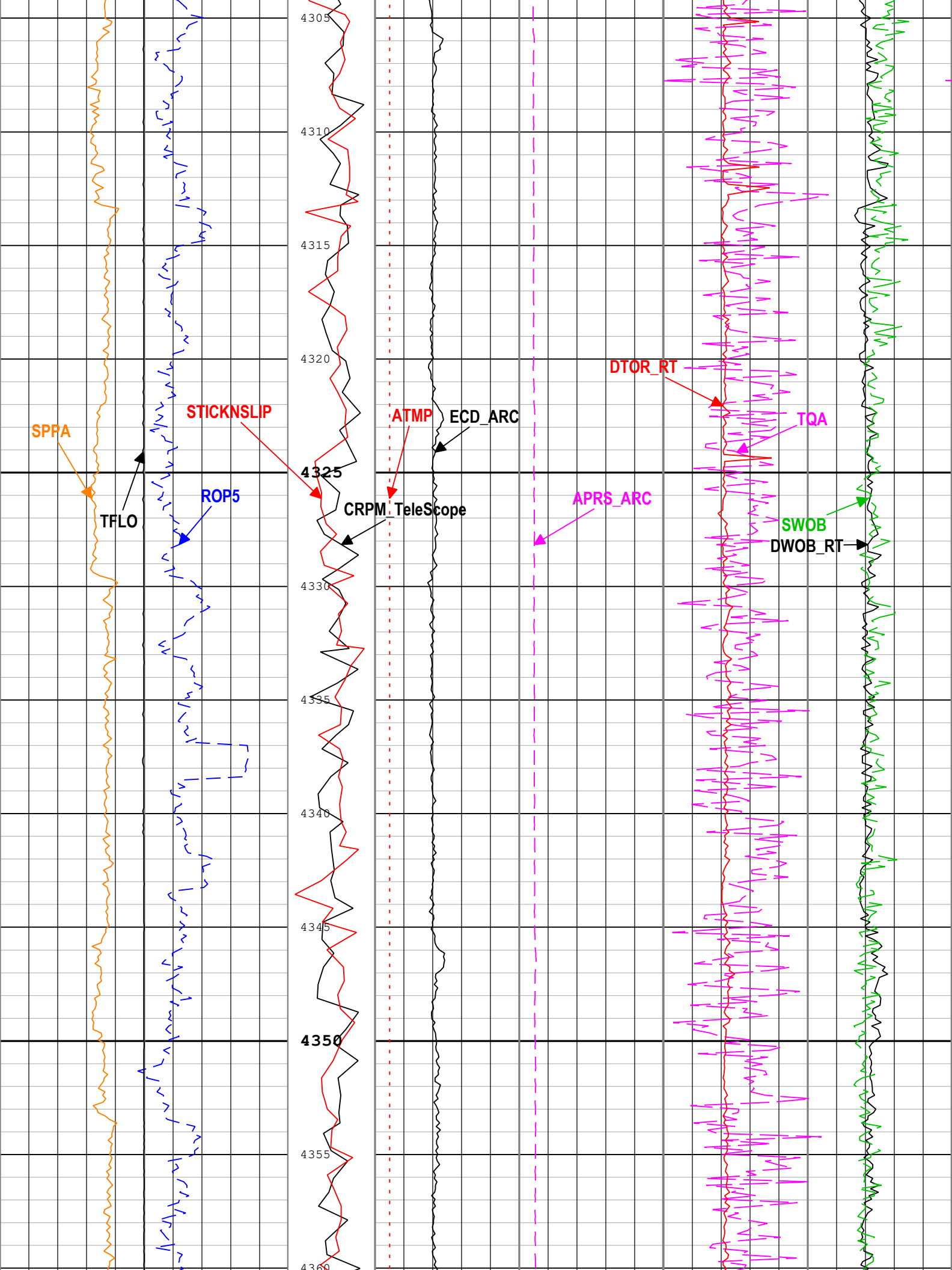
DWOB_RT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APRS_ARC
DTOR_RT
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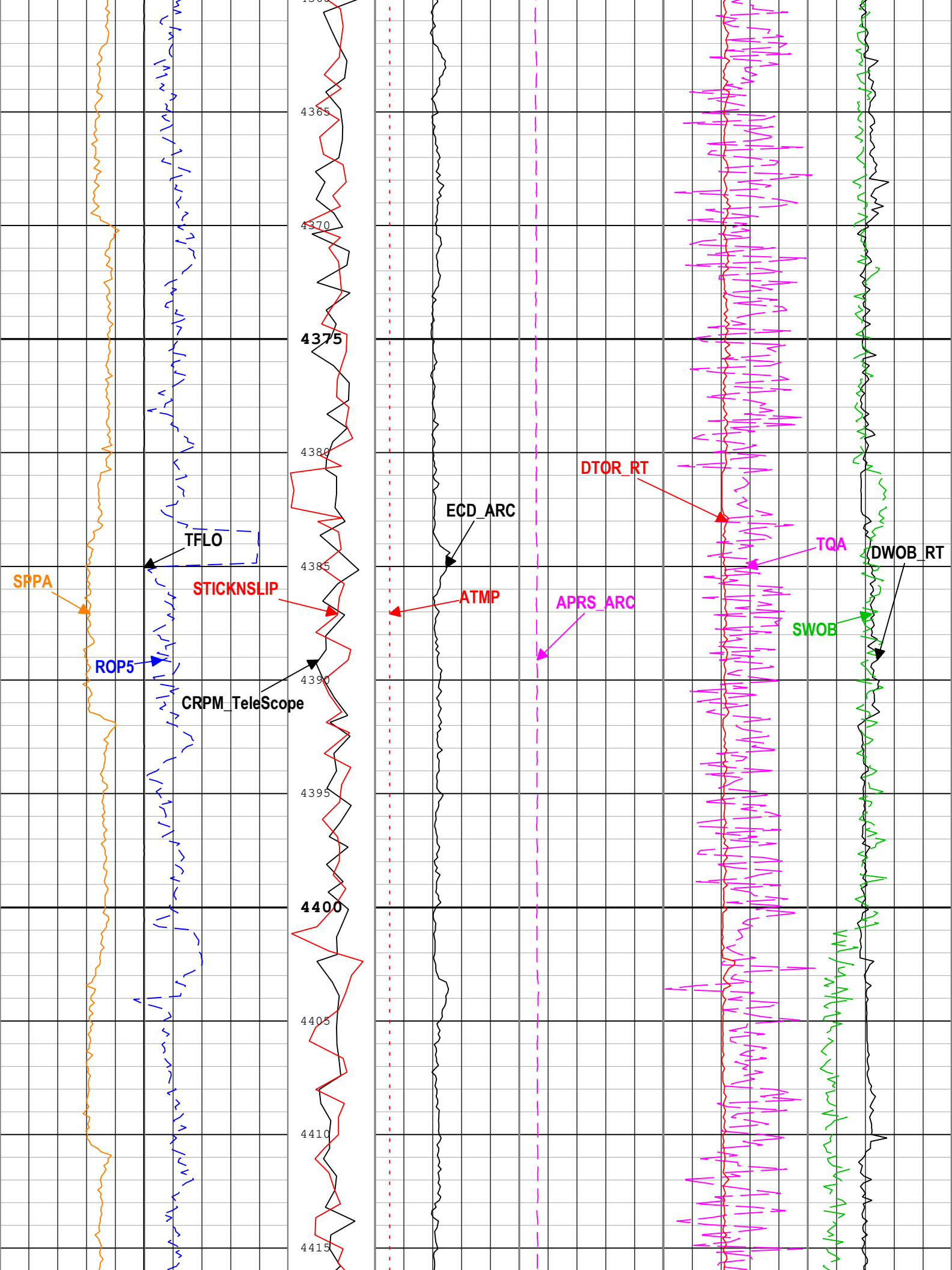
SWOB
DWOB_RT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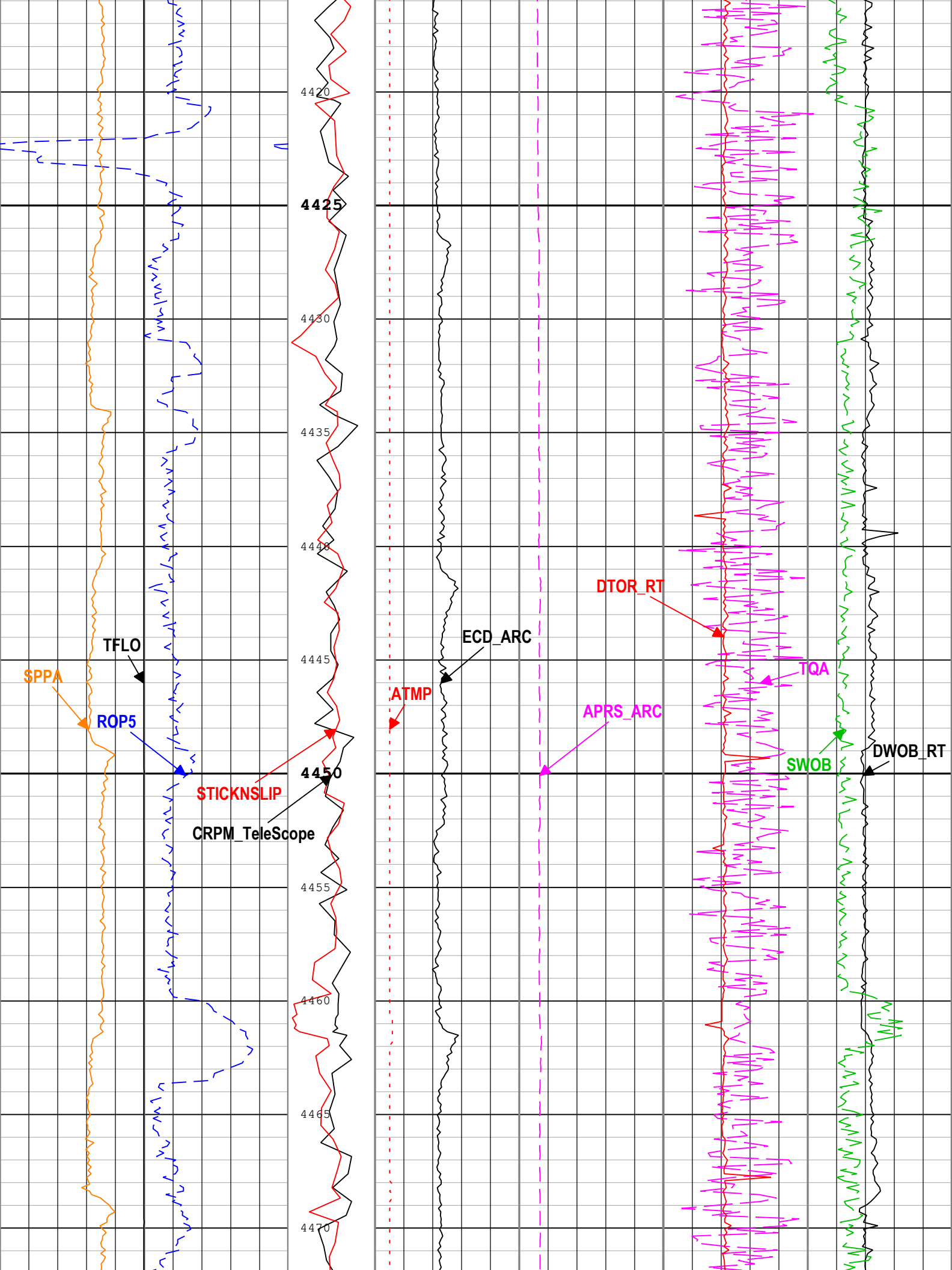
SWOB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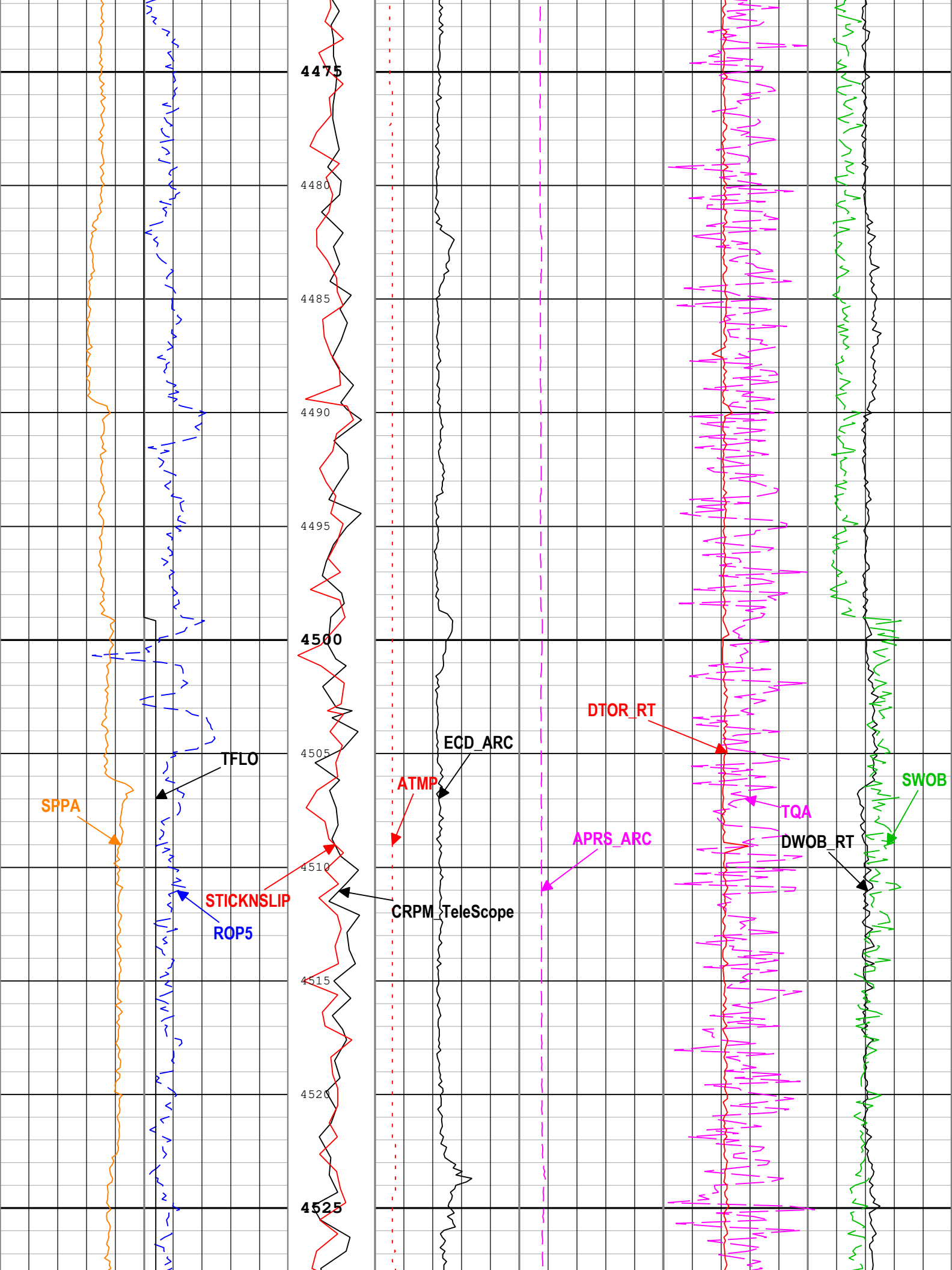
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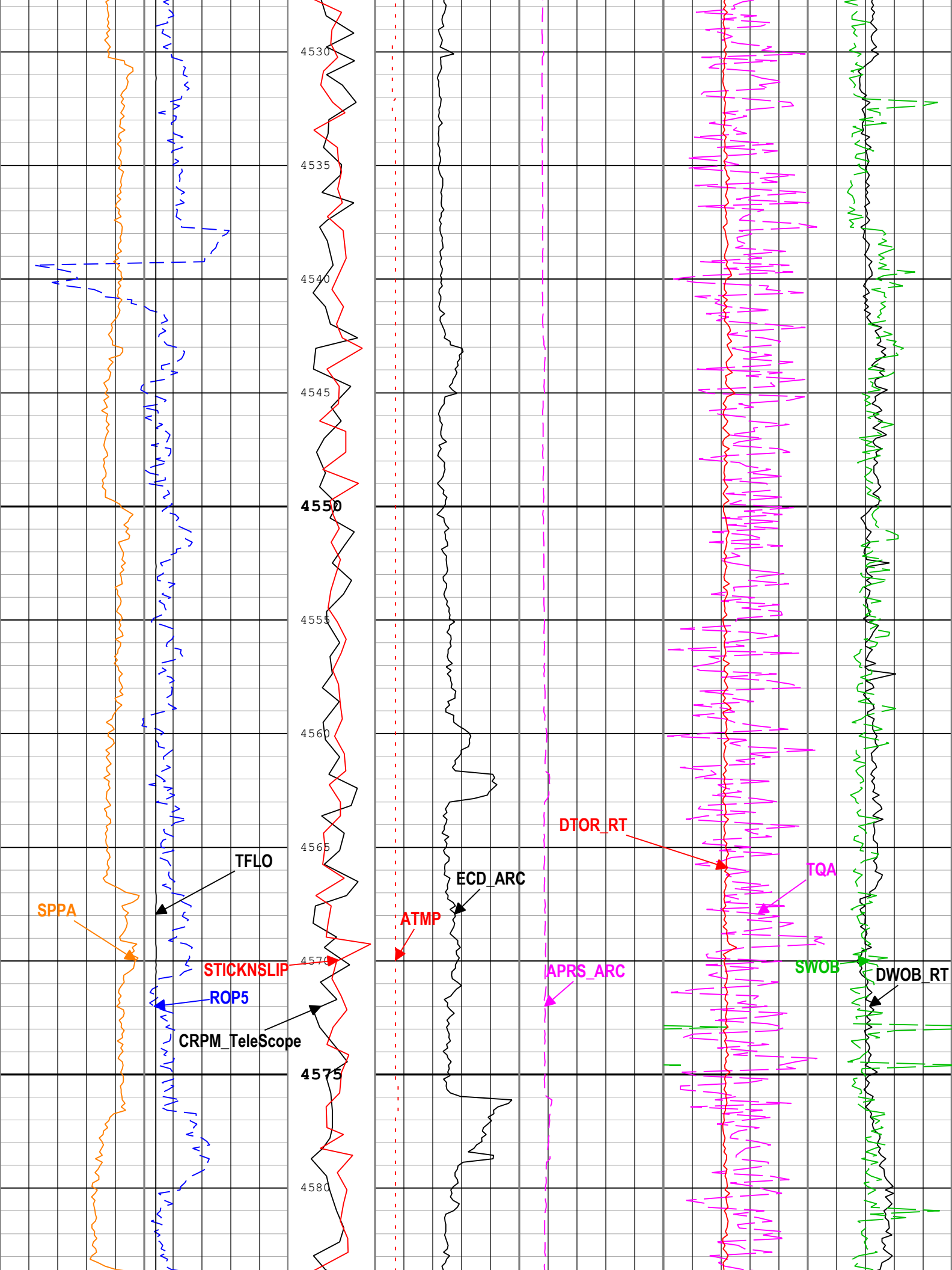
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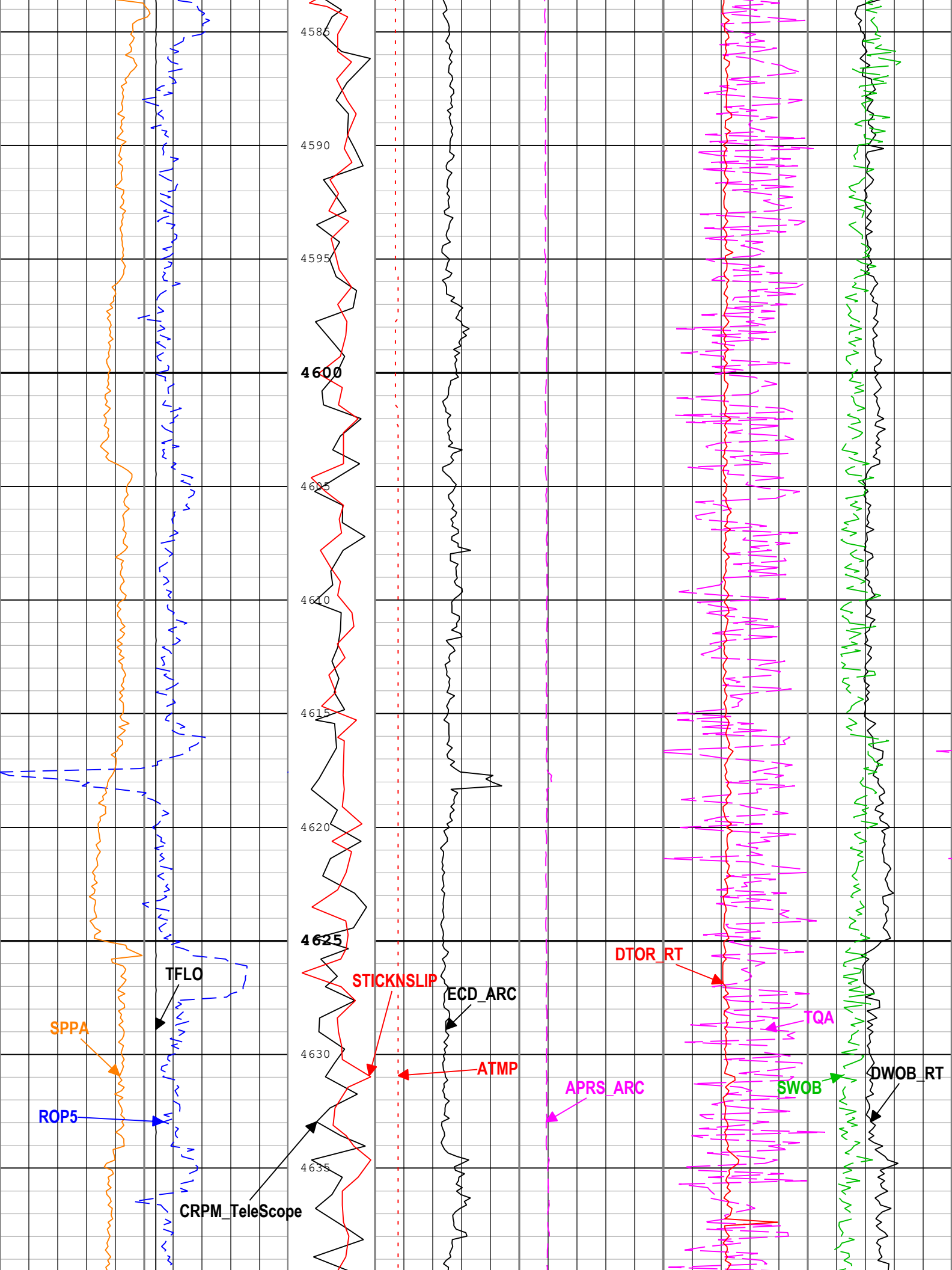
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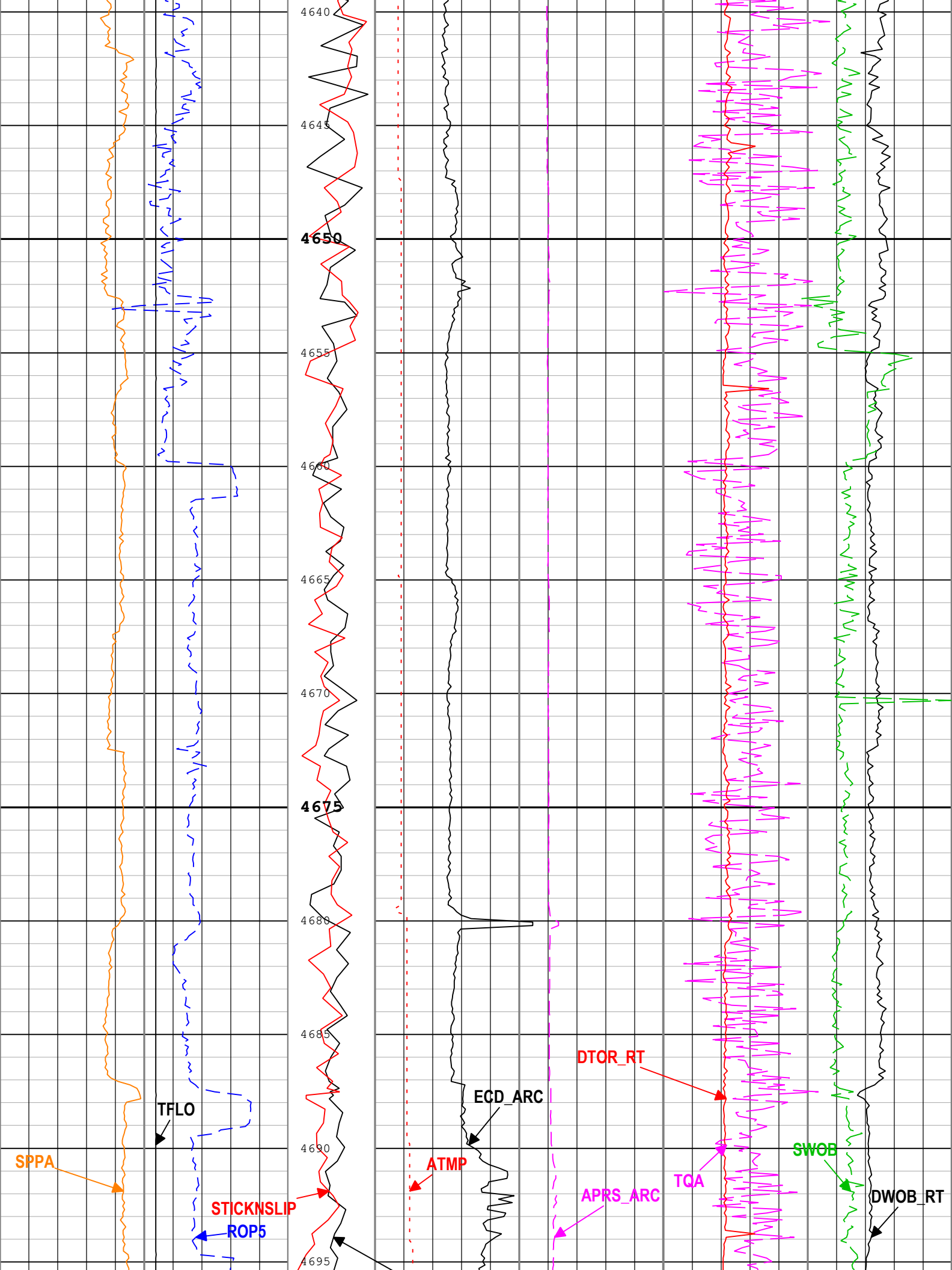
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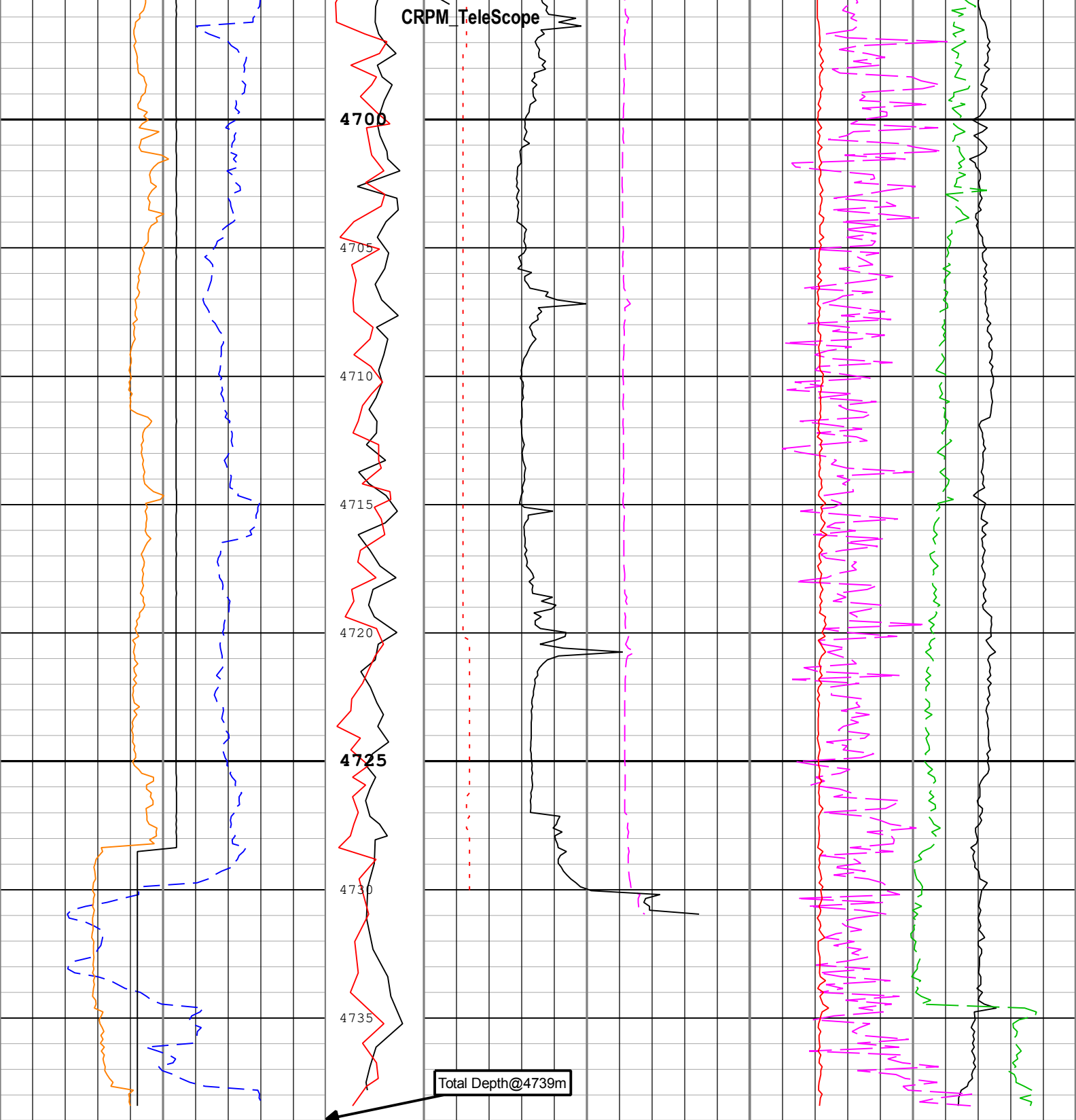

Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT 50 m/h 0	CRPM_Tele Scope 0 c/min 200	Downhole Annulus Pressure (APRS_ARC) ARC6 RM 0 MPa 80	Downhole Weight on Bit (DWOB_RT) TELE675-IWOB RT -400 kN 200
Standpipe Pressure (SPPA) RT 0 MPa 30	Stick Slip Indicator (STICKNSLIP) TELE675-IWOB RM 0 c/min 400	Downhole Annulus Temperature (ATMP) ARC6 RM 0 degC 100	Surface Weight On Bit (SWOB) RT -400 kN 200
Total flow rate of all active pumps (TFLO) RT 0 gal/min 1000		Equivalent Circulating Density (ECD_ARC) ARC6 RM 1 g/cm3 1.2	Surface Torque (TQA) RT -10 kN.m 40
			Downhole Torque (MWD) (DTOR_RT) TELE675-IWOB RT -10 kN.m 40

Description: Format: Log (Drilling Mechanics Log 675 RM MD) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 11-Mar-2019 10:04:58

Channel Processing Parameters

Run1: Parameters

Parameter	Description	Tool	Value	Unit
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.025	g/cm3
FLEV	Depth of Drilling Fluid Level to LMF (Log Measured From)	Borehole	2.438	m
RHO_SEAWATER	Density of the Sea Water	Borehole	1.022	g/cm3
SF_FLAG	Mud Return to Sea Floor (No Riser)?	Borehole	No	

Tool Control Parameters

Run1: Parameters

Parameter	Description	Tool	Value	Unit
DTOF	DTOR Offset	TELE675-IWOB	Time Zoned	kN.m
DWOB_BETA	DWOB Beta Pressure Correction Factor	TELE675-IWOB	Time Zoned	
DWOF	DWOB Offset	TELE675-IWOB	Time Zoned	kN
DWOB_ZEROTOOLP	DWOB Differential Pressure Drop at Zero Weight-on-Bit	TELE675-IWOB	Time Zoned	MPa
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DNMSESSION	0.6	m

Time Zone Parameters

Parameter	Value	Start Time	Stop Time	Start Depth (m)	Stop Depth (m)
DTOF		05-Mar-2019 12:00:28	06-Mar-2019 12:05:03	3799.484	3950.284
DTOF	-12.57	06-Mar-2019 12:05:03	10-Mar-2019 18:17:31	3950.284	4738.573
DWOB_BETA		05-Mar-2019 12:00:28	06-Mar-2019 12:11:39	3799.484	3950.284
DWOB_BETA	2.74	06-Mar-2019 12:11:39	06-Mar-2019 20:41:39	3950.284	4038.575
DWOB_BETA	2.69	06-Mar-2019 20:41:39	06-Mar-2019 20:42:00	4038.575	4038.575
DWOB_BETA	2.67	06-Mar-2019 20:42:00	10-Mar-2019 18:17:31	4038.575	4738.573
DWOF		05-Mar-2019 12:00:28	06-Mar-2019 12:11:39	3799.484	3950.284
DWOF	-349.19	06-Mar-2019 12:11:39	06-Mar-2019 20:41:39	3950.284	4038.575
DWOF	-353.63	06-Mar-2019 20:41:39	10-Mar-2019 18:17:31	4038.575	4738.573
DWOB_ZEROTOOLP		05-Mar-2019 12:00:28	06-Mar-2019 12:11:39	3799.484	3950.284
DWOB_ZEROTOOLP	2.22	06-Mar-2019 12:11:39	06-Mar-2019 20:41:39	3950.284	4038.575
DWOB_ZEROTOOLP	2.22	06-Mar-2019 20:41:39	06-Mar-2019 20:42:00	4038.575	4038.575
DWOB_ZEROTOOLP	2.22	06-Mar-2019 20:42:00	10-Mar-2019 18:17:31	4038.575	4738.573

All depth are at tool zero.

Calibration Report

ARC6 (Array Resistivity Compensated 675) Calibration - Run Run1

Primary Equipment :

Elec. Chassis HP with AIM Receiver AREA

RESAIRCAL - Resistivity: Air

Master (Time Frame File): 01:33:55 03-Jan-2019

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit
Attenuation T1 at 2 MHz	dB	Master	8.500	6.500	8.298	10.500
Attenuation T2 at 2 MHz	dB	Master	6.500	4.500	6.662	8.500
Attenuation T3 at 2 MHz	dB	Master	4.500	2.500	4.923	6.500
Attenuation T4 at 2 MHz	dB	Master	4.600	2.600	4.570	6.600
Attenuation T5 at 2 MHz	dB	Master	3.600	1.600	3.479	5.600
Phase Shift T1 at 2 MHz	deg	Master	0.100	-3.900	0.001	4.100

Phase Shift T2 at 2 MHz	deg	Master	0.100	-3.900	0.071	4.100	
Phase Shift T3 at 2 MHz	deg	Master	0.100	-3.900	-0.071	4.100	
Phase Shift T4 at 2 MHz	deg	Master	0.100	-3.900	0.042	4.100	
Phase Shift T5 at 2 MHz	deg	Master	0.100	-3.900	-0.086	4.100	
Attenuation T1 at 400 KHz	dB	Master	8.500	6.500	8.261	10.500	
Attenuation T2 at 400 KHz	dB	Master	6.500	4.500	6.711	8.500	
Attenuation T3 at 400 KHz	dB	Master	4.500	2.500	4.874	6.500	
Attenuation T4 at 400 KHz	dB	Master	4.600	2.600	4.611	6.600	
Attenuation T5 at 400 KHz	dB	Master	3.600	1.600	3.437	5.600	
Phase Shift T1 at 400 KHz	deg	Master	0.100	-3.900	0.907	4.100	
Phase Shift T2 at 400 KHz	deg	Master	0.100	-3.900	-1.041	4.100	
Phase Shift T3 at 400 KHz	deg	Master	0.100	-3.900	0.956	4.100	
Phase Shift T4 at 400 KHz	deg	Master	0.100	-3.900	-1.006	4.100	
Phase Shift T5 at 400 KHz	deg	Master	0.100	-3.900	0.952	4.100	

GRGAIN - Gamma Ray: Blanket

Master (Time Frame File): 00:31:30 03-Jan-2019

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Calibration Gain		Master	1.000	0.580	1.068	1.250	

Company:	JAMSTEC
Well:	C0024A
Field:	C0024
Rig Name:	D/V Chikyu
Prefecture:	Wakayama
Country:	Japan

Schlumberger

MicroScope HD Resistivity Image

Gamma Ray - Resistivity - HD Resistivity Image

C0024A Run1, Recorded Mode Log, Measured Depth 1:200