

VISION Resistivity

Gamma Ray - Resistivity

Recorded Mode log, True Vertical Depth 1:200



Company: JAMSTEC

Well: C0002Q

Field: C0002

Rig Name: D/V Chikyū

Prefecture: Wakayama

Country: Japan

Latitude: 33° 18' 3.042" N

Longitude: 136° 38' 12.174" E

Block:

FL: Pacific Ocean

FL1: X = 652,382.39 m

FL2: Y = 3,685,834.62 m

UWID:

Rig Name:

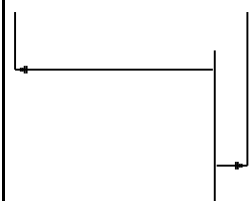
Rig Type:

D/V Chikyū

Drill ship

Log Measured From: - Drill Floor: 28.50 m
Permanent Datum: - Mean Sea Level

Ground Level: 1939.00 m



Acquisition Dates: 27-Nov-2018 -- 09-Dec-2018

Other Services:

Log Interval: 4890.00(m)MD -- 5230.30(m)MD

Direction and Inclination

Index Types: SSTVD

APWD

Index Scales: 1:200

Depth Source: Driller's Depth

Depth Sensor: DES

Print Type: Final

Spud Date: 26-Oct-2018

Disclaimer

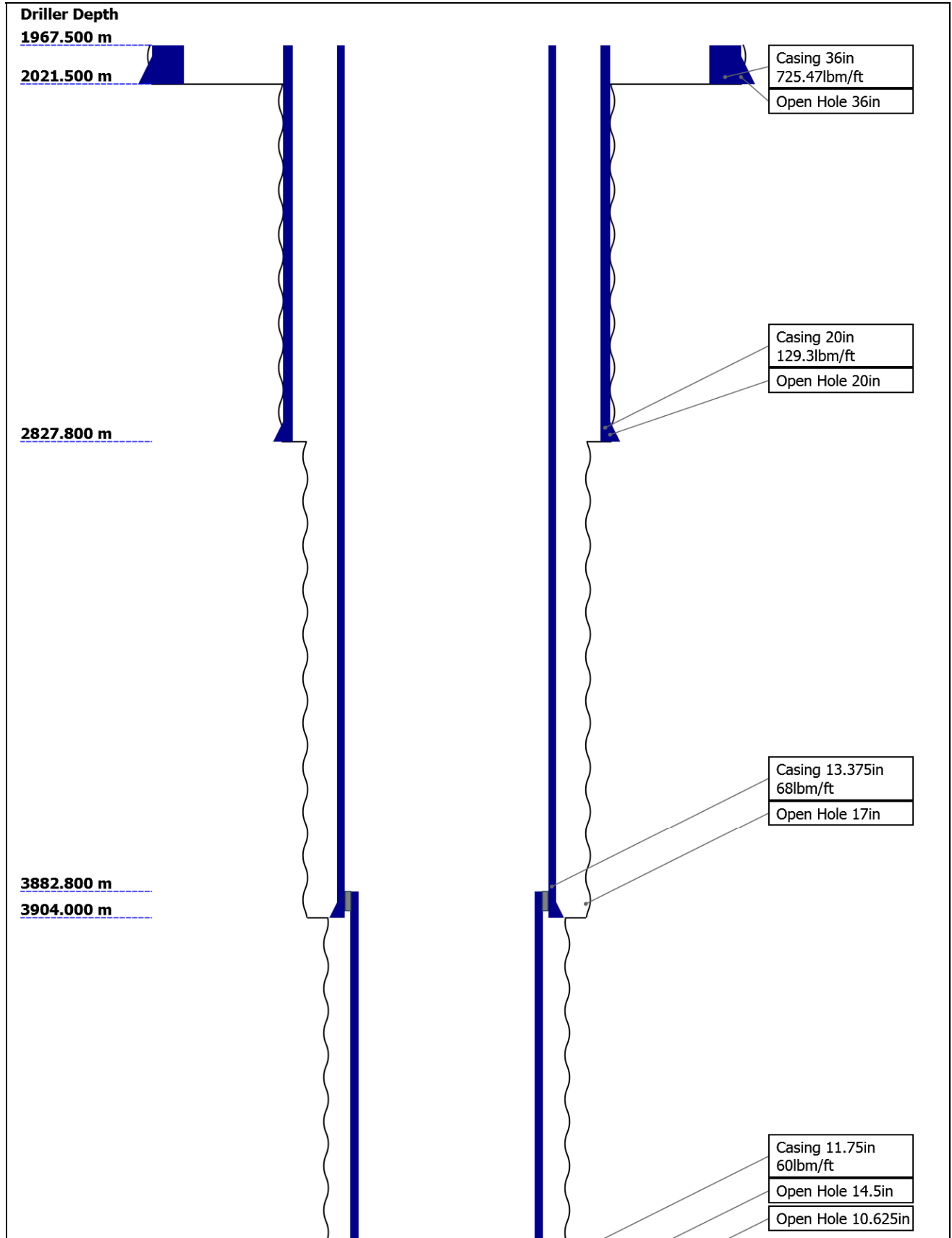
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Contents

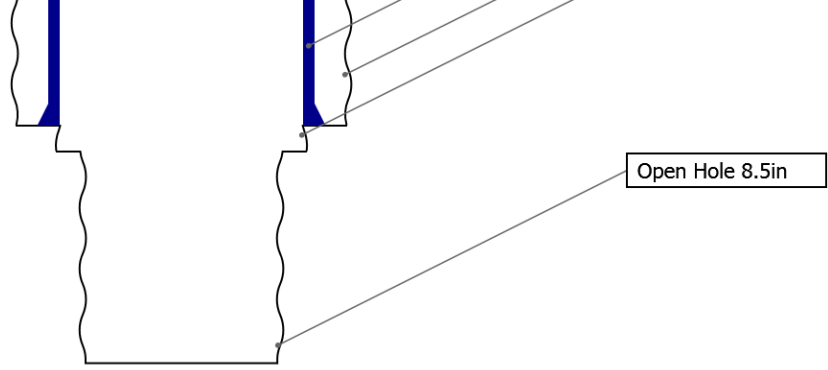
1. Header
2. Disclaimer
3. Contents
4. Well Sketch
5. Borehole Size/Casing/Tubing Record
6. Operational Run Summary
7. Borehole Fluids
8. Remarks and Equipment Summary
9. Survey Record
10. Run4 Run_4 LWD Log
 - 10.1 Integration Summary
 - 10.2 Software Version
 - 10.3 Composite Summary
 - 10.4 Log (VISION Resistivity MD)
 - 10.5 Parameter Listing
11. Run4 Run_4 DML
 - 11.1 Integration Summary

- 11.2 Software Version
- 11.3 Composite Summary
- 11.4 Log (Drilling Mechanics Log 675 RM MD)
- 11.5 Parameter Listing
- 12. Calibration Report
- 13. Tail

Well Sketch



4854.800 m
4867.000 m



5229.680 m

Borehole Size/Casing Record

Bit						
Bit Size (in)	36	20	17	14.5	10.625	8.5
Top Driller (m)	1967.5	2021.5	2827.8	3904	4854.8	4867
Bottom Driller (m)	2021.5	2827.8	3904	4854.8	4867	5229.68
Casing						
Size (in)	36	20	13.375	11.75		
Weight (lbm/ft)	725.47	129.3	68	60		
Inner Diameter (in)	32.099	18.779	12.415	10.772		
Grade	X56	X56	N/A	N/A		
Top Driller (m)	1967.5	1967.5	1967.5	3882.8		
Bottom Driller (m)	2021.5	2827.8	3904	4854.8		

Operational Run Summary

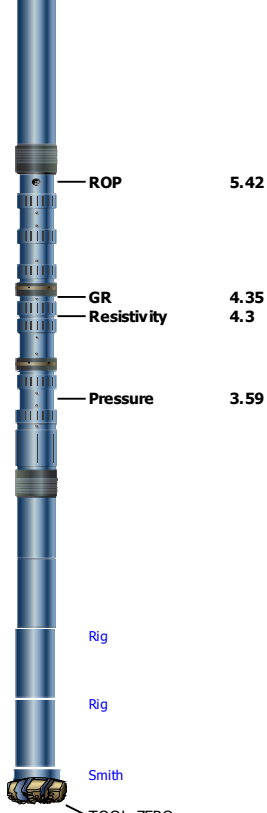
Parameter (unit)	Run4				
Date Log Started	27-Nov-2018				
Time Log Started	09:36:32				
Date Log Finished	09-Dec-2018				
Time Log Finished	05:35:48				
Bit Size (in)	8.500				
Bit Start Depth (m)	4990.00				
Bit Stop Depth (m)	5229.68				
Top Log Interval (m)	4890.00				
Bottom Log Interval (m)	5225.38				
Max Hole Deviation (deg)	5.60				
Azimuth of Max Deviation (deg)	57.81				
Logging Unit Number	OLU-MB 8054				
Logging Unit Location	Zone2				
Recorded By	SMoriyama/SMurakami/KBian				
Witnessed By	YSanada/YKido				
Service Order Number	18JAP0007				

Borehole Fluids

Parameter(unit)	Run4				
Fluid Type	Water				
Max Recorded Temperatures (degC)	64.1				
Source of Sample	Active Tank				
Salinity (ppm)	141288.5				
Density (g/cm3)	1.37				
Funnel Viscosity (s)	66				
Fluid Loss (cm3)	2.5				
PH	9.9				
Source RMF	Pressed				
RMC	Pressed				
RM @ Meas Temp (ohm.m@degC)	0.06 @ 21.1				
RMF @ Meas Temp (ohm.m@degC)	0.05 @ 20.2				
RMC @ Meas Temp (ohm.m@degC)	0.09 @ 19.8				
RM @ BHT (ohm.m@degC)	0.04 @ 43				
RMF @ BHT (ohm.m@degC)	0.03 @ 43				
RMC @ BHT (ohm.m@degC)	0.06 @ 43				
Total Solid (%)	16.5				
High Gravity Solids (%)	0				

Remarks and Equipment Summary

Run4: Toolstring				Run4: Remarks
Equip name TELE675-IWOB:B1 755	Length 16.16	MP name Schlumberger	Offset	Depth Reference is driller's depth measured from Rotary Table.
				Data presented is Recorded Mode data which was acquired while drilling.
				Gamma Ray measurement is corrected for bit size, mud weight, tool collar size and potassium content (1.53%) in the mud.
				Resistivity measurement is borehole compensated and environmentally corrected for hole size and mud resistivity.
				Reason of POOH: Low Penetration Rate.
				Drilling Time: 93.94 hrs.
				Pumping Time: 230.76 hrs.
			D&I 11.84	
			GR 11.19	
			ROP 9.49	
			IWOB 8.47	
ARC6:G8274-1	7.65	Schlumberger		



X/O: 6 3/4"[2]:35 1.96
3-01-021-0000

X/O: 6 3/4"[1]:02 0.87
-005-0000

Bit: 8 1/2":QF3233 0.26

TOOL_ZERO
Lengths are in m
Maximum Outer Diameter = 8.500 in
Line: Sensor Location, Value: Gating Offset
All measurements are relative to TOOL_ZERO

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 : 0.90 deg

Rig Location

Latitude : 33° 18' 3.042" N Longitude : 136° 38' 12.174" E

Tie In Point

Measured Depth: 4853.87 m Inclination: 1.64 deg Azimuth: 90.69 deg
True Vertical Depth: 4852.02 m North Displacement: -0.27 m East Displacement: 49.95 m
N-S VSec Origin: 0.00 m E-W VSec Origin: 0.00 m Vertical Section Azimuth: 90.28 deg

D&I Inits Computed and Values Used - Run5

Geomagnetic Model : HDGM 2018 Geomagnetic Date : 17-Nov-2018
Computed Location B : 46164.86 nT +/- 300.00nT Used Location B : 46164.86 nT +/- 300.00nT
Computed Location G : 998.92 mgn +/- 2.50mgn Used Location G : 998.92 mgn +/- 2.50mgn
Computed Magnetic Dip : 47.02 deg +/- 0.45deg Used Magnetic Dip : 47.02 deg +/- 0.45deg
Computed Magnetic Dec : -7.16 deg Used Magnetic Dec : -7.16 deg
Computed Total Correction : -8.06 deg Used Total Correction : -8.06 deg

Survey Quality Index

2 : Long Survey failed mag criteria 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	4853.87	1.64	90.69	----	4852.02	49.95	-0.27	49.95	49.95	90.31	0.00	TIP	28	0	0
2	4870.63	3.61	138.88	16.76	4868.77	50.54	-0.67	50.54	50.54	90.76	5.00	TeleScope	2	0	0
3	4882.77	3.16	140.86	12.13	4880.88	51.00	-1.22	51.00	51.01	91.37	1.14	TeleScope	2	0	0
4	4897.67	0.64	145.72	14.91	4895.77	51.31	-1.60	51.30	51.33	91.79	5.07	TeleScope	2	0	0
5	4908.67	0.96	50.36	11.00	4906.77	51.42	-1.60	51.41	51.44	91.78	3.28	TeleScope	2	0	0

Run4

Run_4 LWD Log

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100
Application Patch	DnM_TestKit-PD-DHS31-2018-2_8.2.104864

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run4	Ream Down 3	Down	4894.35 m	4989.98 m	30-Nov-2018 4:29:32 AM	02-Dec-2018 11:25:02 PM	Yes
Run4	Drilling	Down	4989.60 m	5229.66 m	27-Nov-2018 9:36:32 AM	09-Dec-2018 5:35:48 AM	Yes

All depths are referenced to toolstring zero

Log

Company: JAMSTEC Well: C0002Q

Run4: S120

Description: ARC Blended Resistivity 2-Log Format: Log (VISION Resistivity MD) Index Scale: 1:200 Index Unit: m Index Type: SSTVD Creation Date: 28-Feb-2019 17:30:38

└ TICK_ARC_GR - Gamma Ray Tick Marks ARC[1] RM

└ TICK_ARC_RES - Resistivity Tick Marks ARC[1] RM

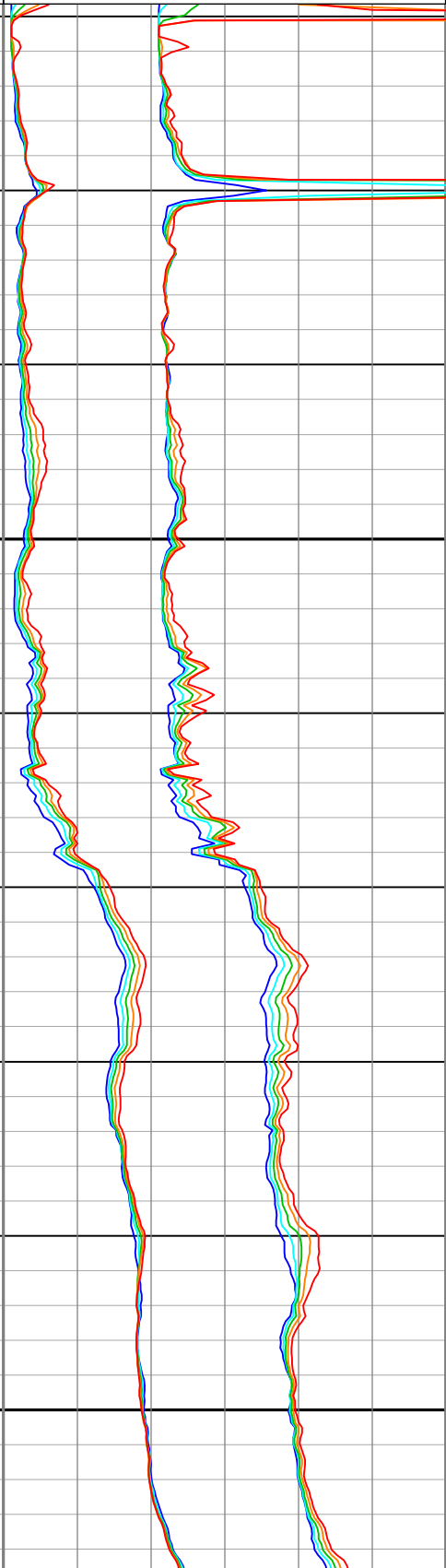
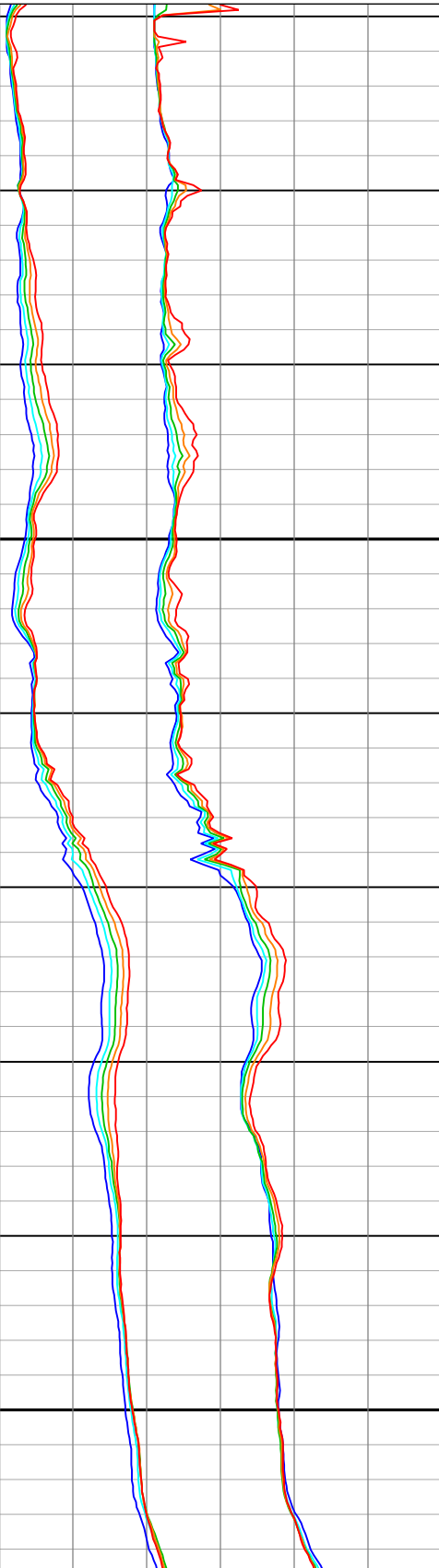
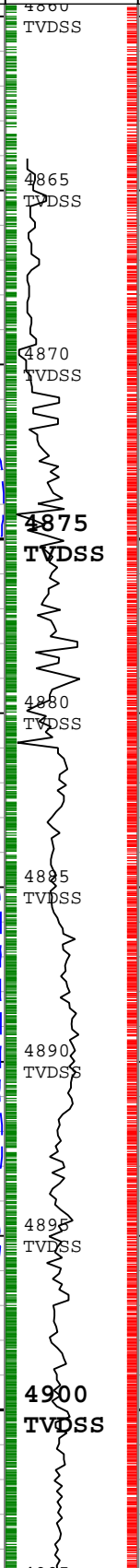
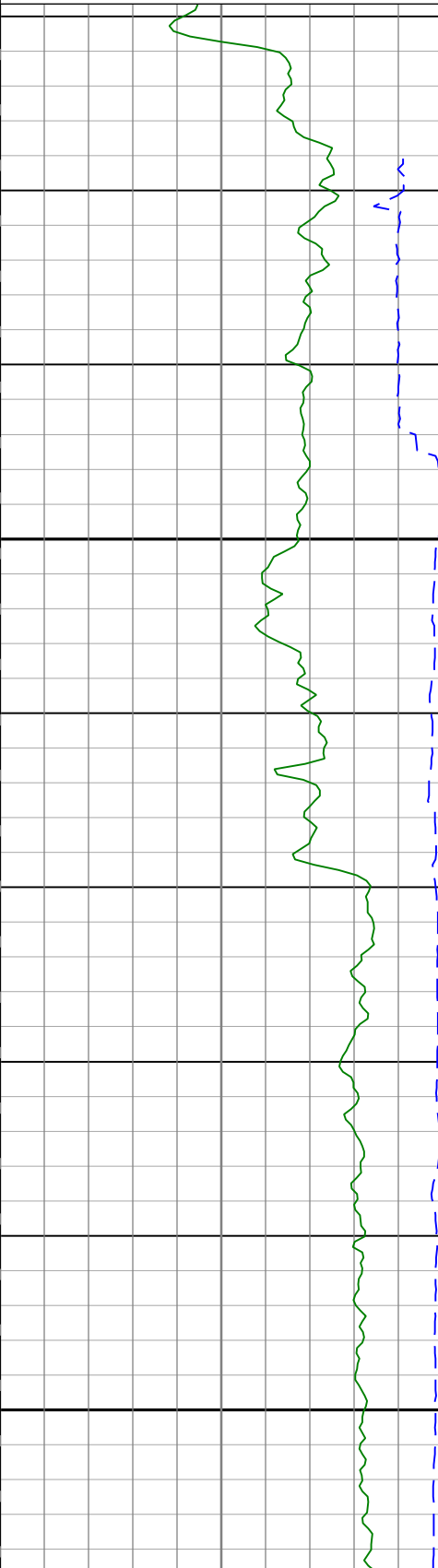
Attenuation Resistivity 16 inch Spacing at 400 KHz, Environmentally Corrected (A16L) ARC[1] RM	Phase Shift Resistivity 16 inch Spacing at 400 KHz, Environmentally Corrected. (P16L) ARC[1] RM
0 ohm.m 6	0 ohm.m 6
Attenuation Resistivity 22 inch Spacing at 400 KHz, Environmentally Corrected (A22L) ARC[1] RM	Phase Shift Resistivity 22 inch Spacing at 400 KHz, Environmentally Corrected. (P22L) ARC[1] RM
0 ohm.m 6	0 ohm.m 6
Attenuation Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected (A28L) ARC[1] RM	Phase Shift Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected. (P28L) ARC[1] RM
0 ohm.m 6	0 ohm.m 6
Attenuation Resistivity 34 inch Spacing at 400 KHz, Environmentally Corrected (A34L) ARC[1] RM	Phase Shift Resistivity 34 inch Spacing at 400 KHz, Environmentally Corrected. (P34L) ARC[1] RM
0 ohm.m 6	0 ohm.m 6
Attenuation Resistivity 40 inch Spacing at 400 KHz, Environmentally Corrected (A40L) ARC[1] RM	Phase Shift Resistivity 40 inch Spacing at 400 KHz, Environmentally Corrected. (P40L) ARC[1] RM
0 ohm.m 6	0 ohm.m 6
Attenuation Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected (A16H) ARC[1] RM	Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H) ARC[1] RM
-2 ohm.m 4	-2 ohm.m 4
Attenuation Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected (A22H) ARC[1] RM	Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H) ARC[1] RM
-2 ohm.m 4	-2 ohm.m 4
Attenuation Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected (A28H) ARC[1] RM	Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H) ARC[1] RM
-2 ohm.m 4	-2 ohm.m 4

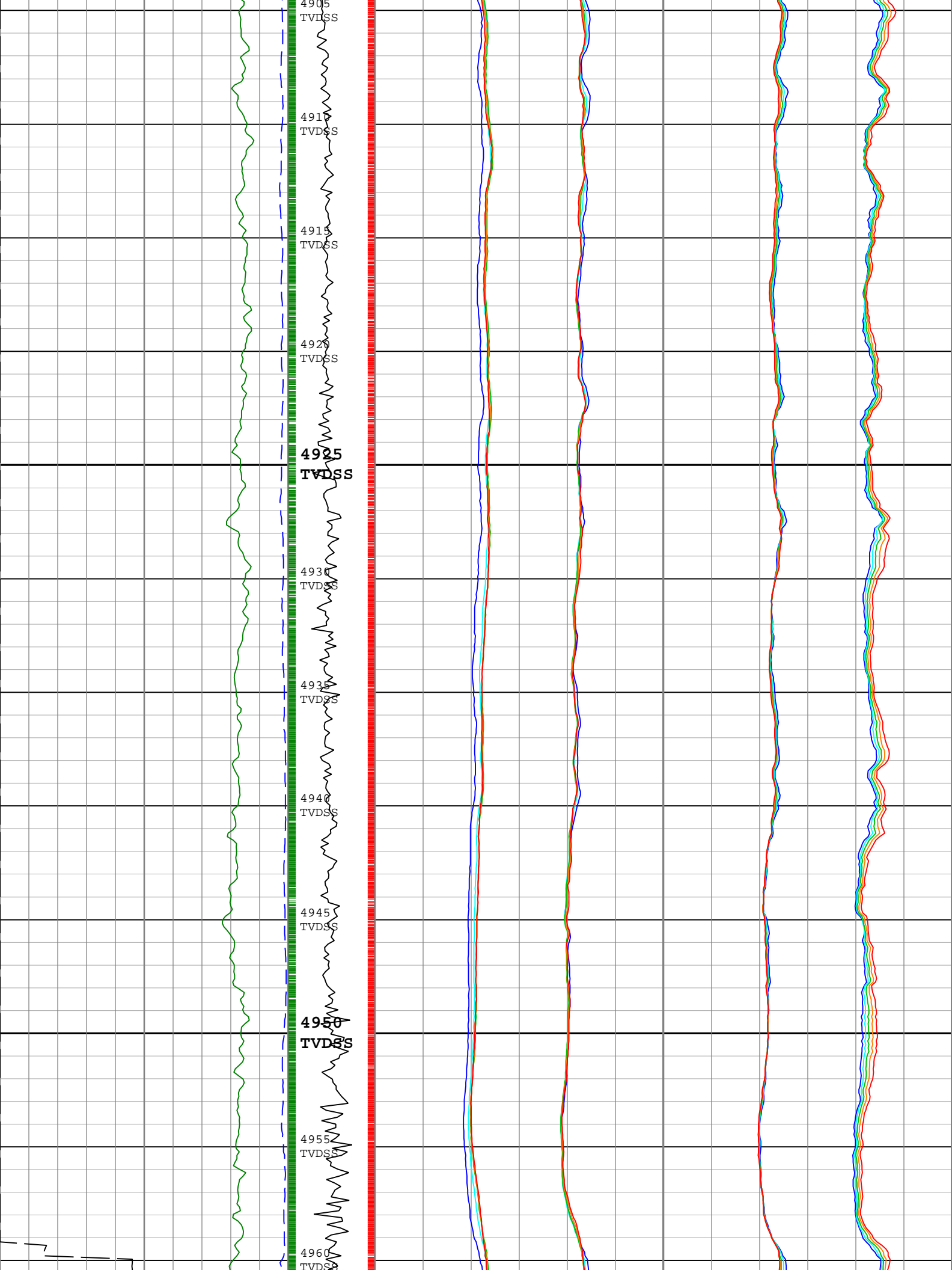
Gamma Ray (GR_ARC) ARC[1] RM		
0	gAPI	150
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
100	m/h	0
Resistivity Time After Bit (ARTM) ARC[1]		
0	h	10

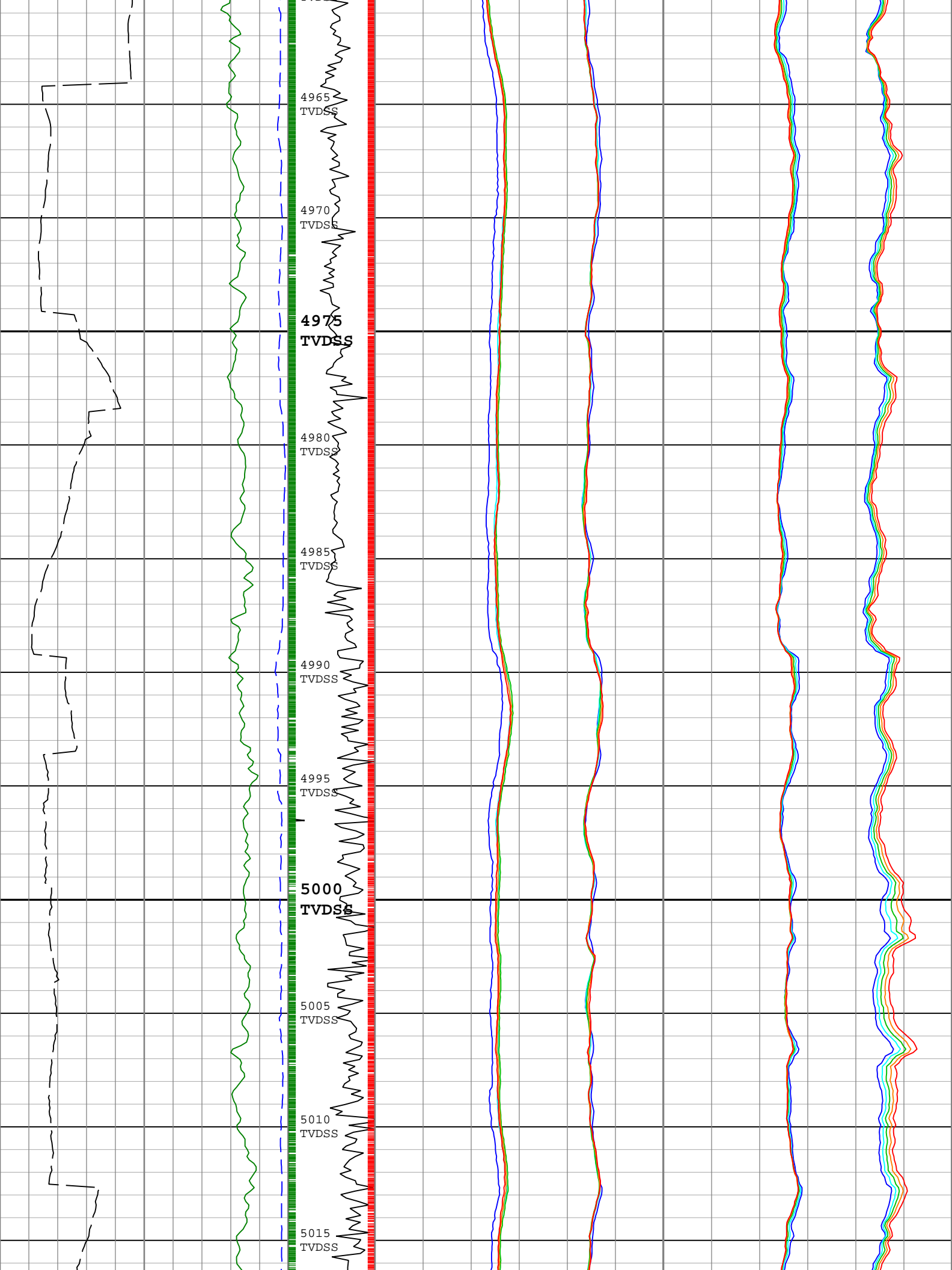
Collar
Rotational
Speed
(CRPM)
TeleScope[1]
RM
0 c/min 200

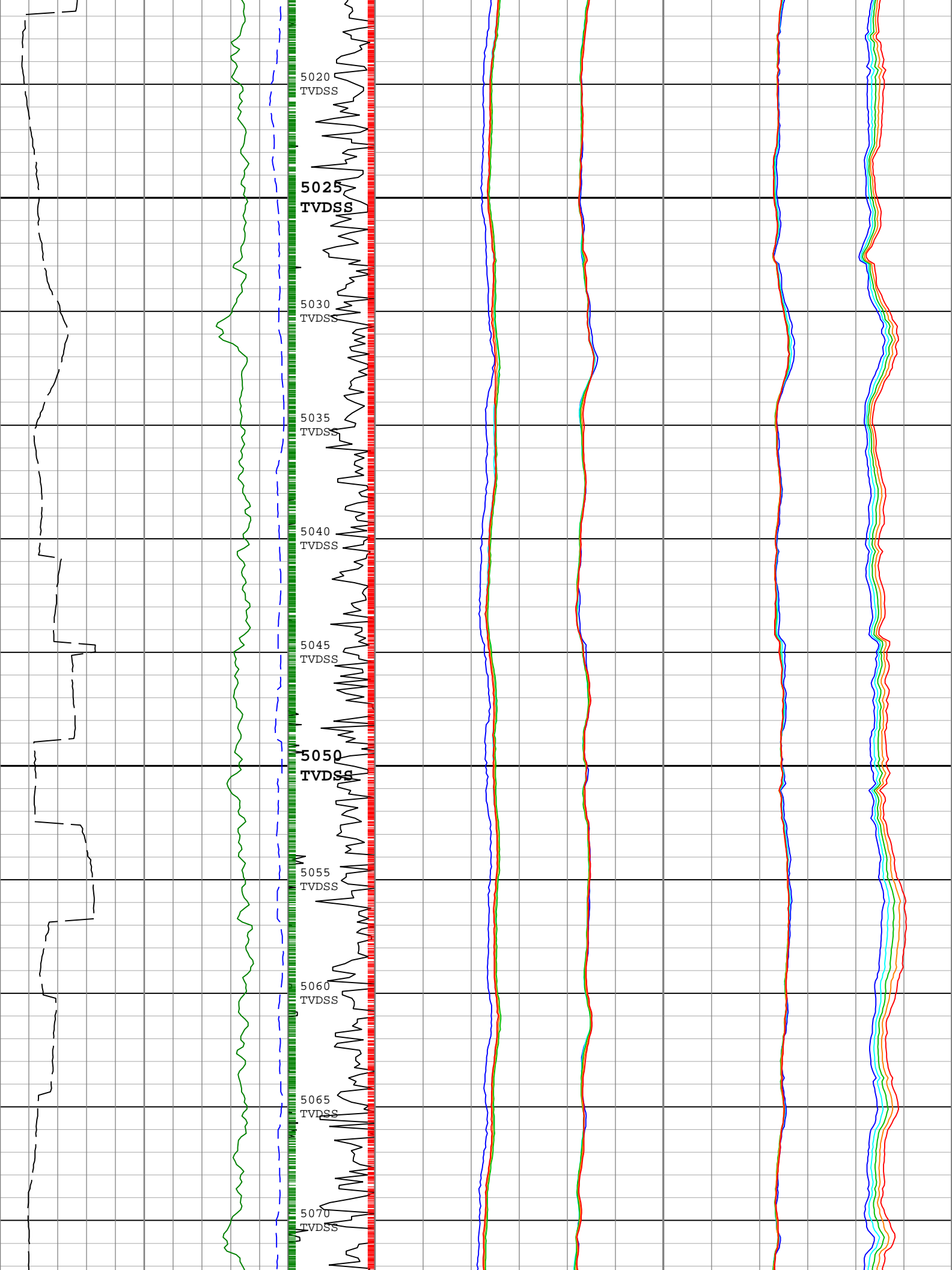
ARC[1] RM		
-2	ohm.m	4
Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H) ARC[1] RM		
-2	ohm.m	4
Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H) ARC[1] RM		
-2	ohm.m	4

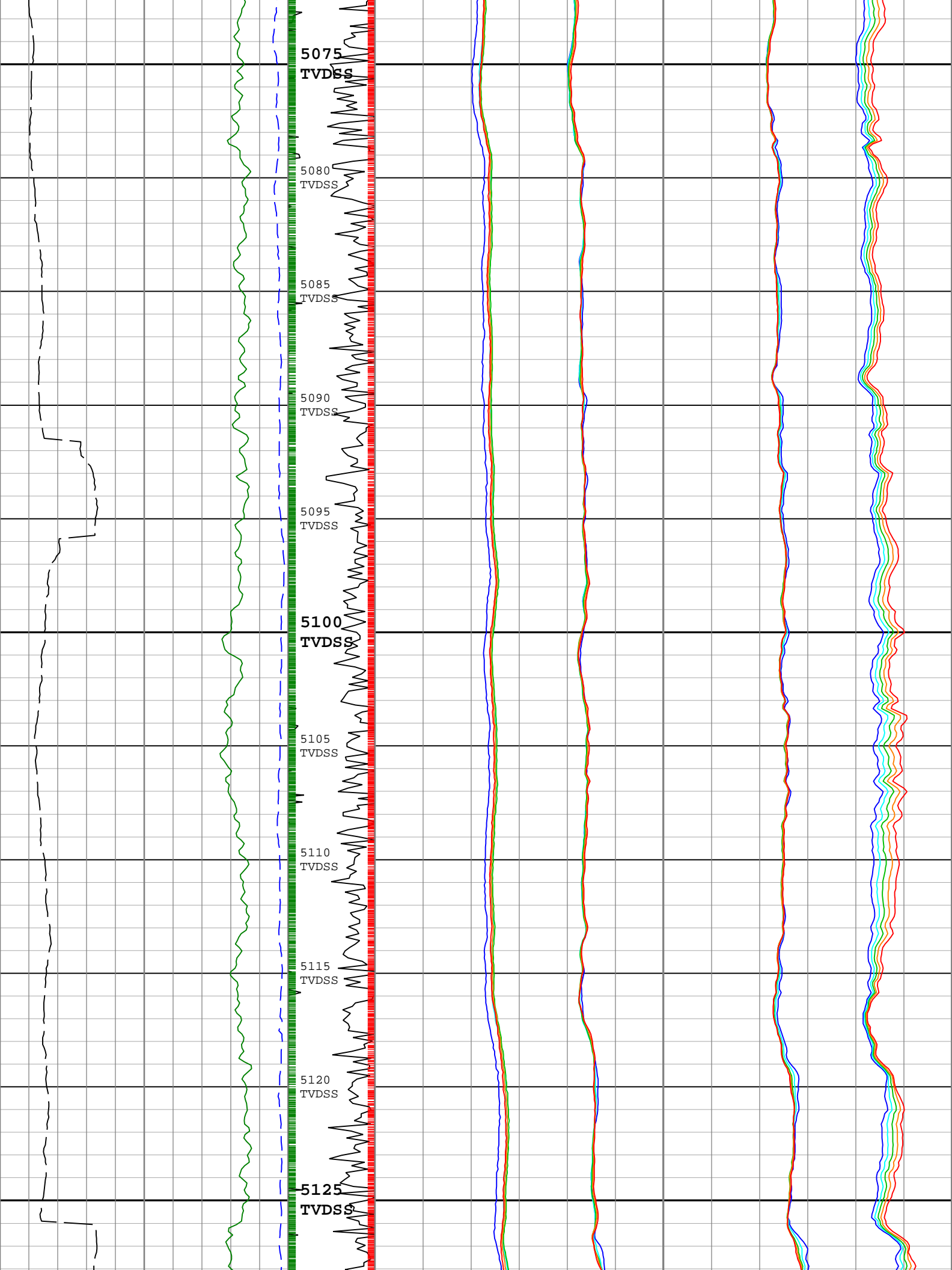
ARC[1] RM		
-2	ohm.m	4
Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H) ARC[1] RM		
-2	ohm.m	4
Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H) ARC[1] RM		
-2	ohm.m	4

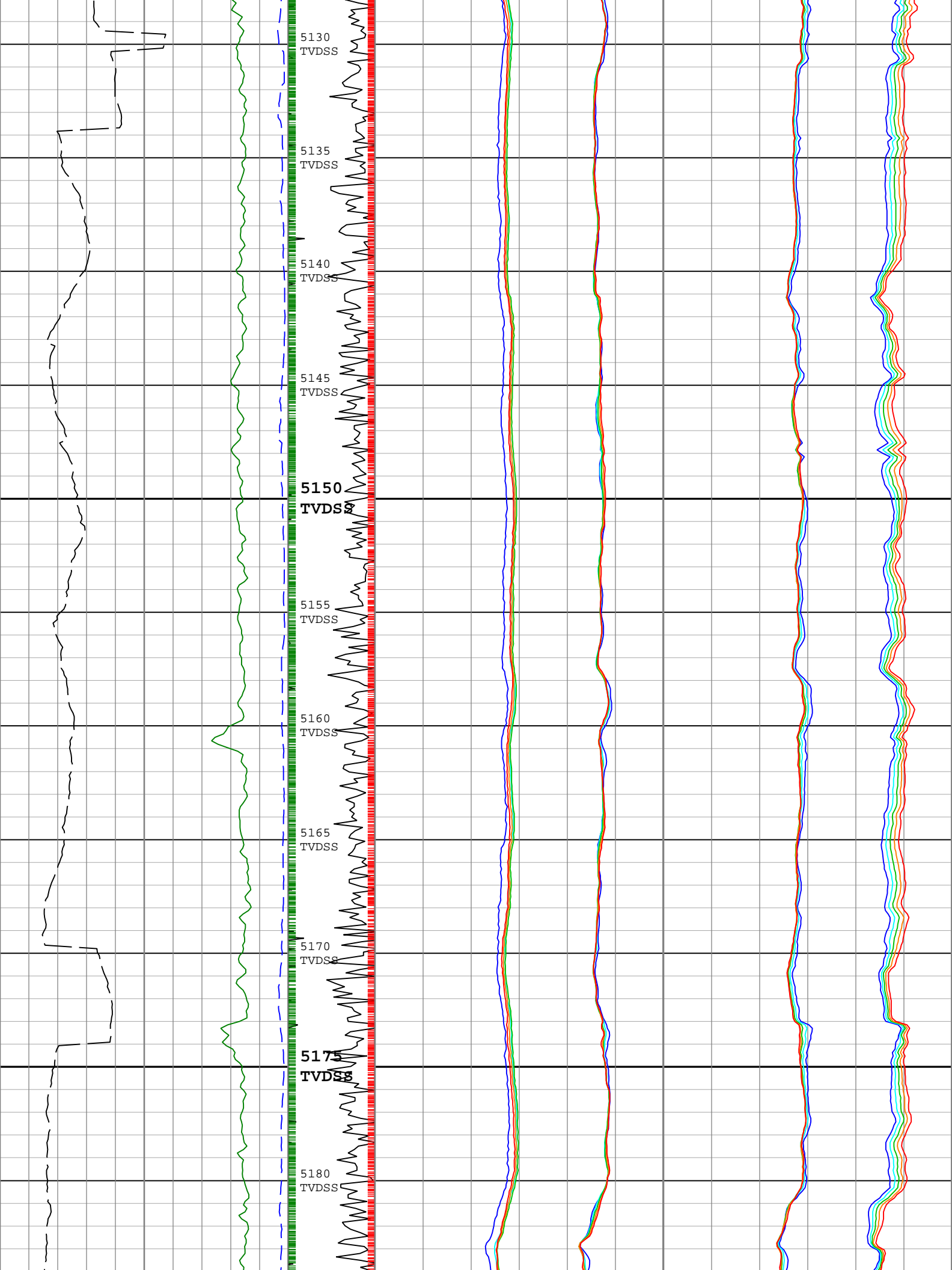


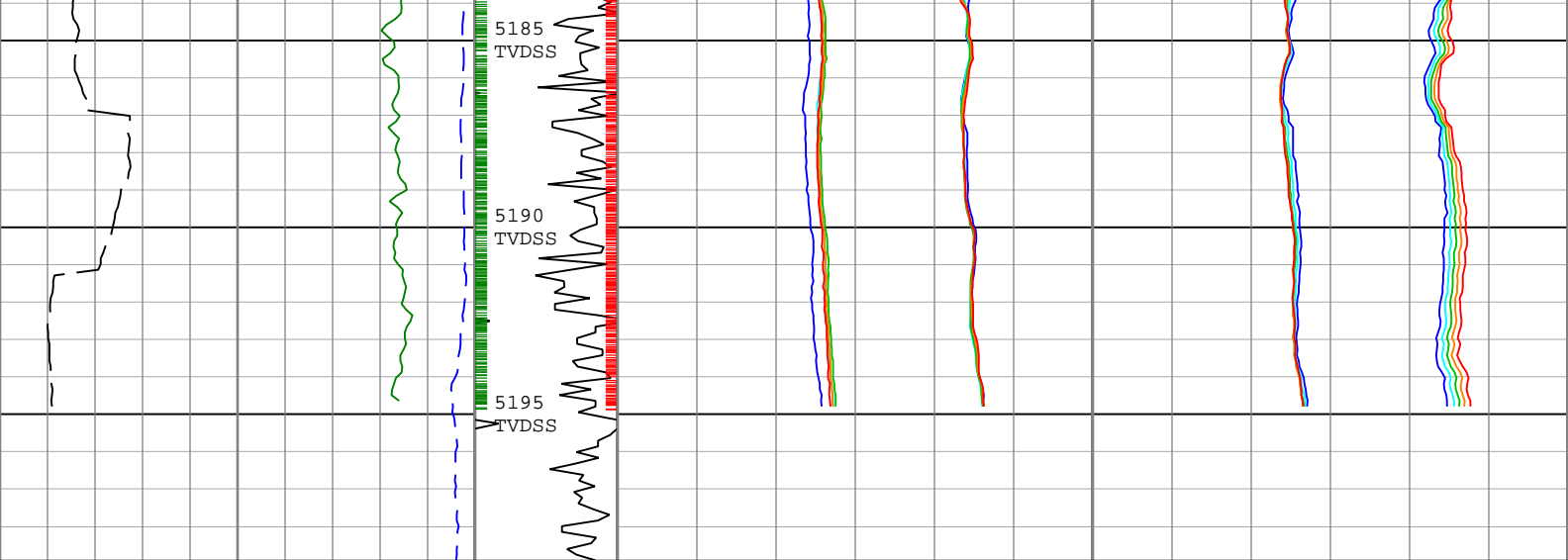












Gamma Ray (GR_ARC) ARC[1] RM		
0	gAPI	150
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
100	m/h	0
Resistivity Time After Bit (ARTM) ARC[1]		
0	h	10

Collar Rotational Speed (CRPM) TeleScope[1] RM
0 c/min 200

Attenuation Resistivity 16 inch Spacing at 400 KHz, Environmentally Corrected (A16L) ARC[1] RM		
0	ohm.m	6

Phase Shift Resistivity 16 inch Spacing at 400 KHz, Environmentally Corrected. (P16L) ARC[1] RM		
0	ohm.m	6

Attenuation Resistivity 22 inch Spacing at 400 KHz, Environmentally Corrected (A22L) ARC[1] RM		
0	ohm.m	6

Phase Shift Resistivity 22 inch Spacing at 400 KHz, Environmentally Corrected. (P22L) ARC[1] RM		
0	ohm.m	6

Attenuation Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected (A28L) ARC[1] RM		
0	ohm.m	6

Phase Shift Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected. (P28L) ARC[1] RM		
0	ohm.m	6

Attenuation Resistivity 34 inch Spacing at 400 KHz, Environmentally Corrected (A34L) ARC[1] RM		
0	ohm.m	6

Phase Shift Resistivity 34 inch Spacing at 400 KHz, Environmentally Corrected. (P34L) ARC[1] RM		
0	ohm.m	6

Attenuation Resistivity 40 inch Spacing at 400 KHz, Environmentally Corrected (A40L) ARC[1] RM		
0	ohm.m	6

Phase Shift Resistivity 40 inch Spacing at 400 KHz, Environmentally Corrected. (P40L) ARC[1] RM		
0	ohm.m	6

Attenuation Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected (A16H) ARC[1] RM		
-2	ohm.m	4

Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H) ARC[1] RM		
-2	ohm.m	4

Attenuation Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected (A22H) ARC[1] RM		
-2	ohm.m	4

Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H) ARC[1] RM		
-2	ohm.m	4

Attenuation Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected (A28H) ARC[1] RM		
-2	ohm.m	4

Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H) ARC[1] RM		
-2	ohm.m	4

Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H) ARC[1] RM		
-2	ohm.m	4

Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H) ARC[1] RM		
-2	ohm.m	4

Attenuation Resistivity 40 inch Spacing at 2		
--	--	--

Phase Shift Resistivity 40 inch Spacing at 2		
--	--	--

MHz, Environmentally Corrected. (A40H)	MHz, Environmentally Corrected. (P40H)
ARC[1] RM	ARC[1] RM
-2 ohm.m 4	-2 ohm.m 4

-TICK_ARC_RES - Resistivity Tick Marks ARC[1] RM

+TICK_ARC_GR - Gamma Ray Tick Marks ARC[1] RM

Description: ARC Blended Resistivity 2-Log Format: Log (VISION Resistivity MD) Index Scale: 1:200 Index Unit: m Index Type: SSTVD Creation Date: 28-Feb-2019 17:30:38

Channel Processing Parameters

Run4: Parameters

Parameter	Description	Tool	Value	Unit
ABNT	Abnormal Transmitter Indicator	ARC6	NO_TX_FAILED	
BHK	Drilling Fluid Potassium Concentration	Borehole	1.53	%
BS	Bit Size	DNMSESSION	Depth Zoned	in
DFD	Drilling Fluid Density	Borehole	1.37	g/cm3
DFT_CATEGORY	Drilling Fluid Type	Borehole	Water	
HIGH_BLEND	High Resistivity Threshold for Blending	ARC6	2	ohm.m
LOW_BLEND	Low Resistivity Threshold for Blending	ARC6	1	ohm.m
RMS	Resistivity of Mud Sample	Borehole	0.06	ohm.m

Tool Control Parameters

Run4

Run_4 DML

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100
Application Patch	DnM_TestKit-PD-DHS31-2018-2_8.2.104864

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run4	Ream Down 3	Down	4894.35 m	4989.98 m	30-Nov-2018 4:29:32 AM	02-Dec-2018 11:25:02 PM	Yes
Run4	Drilling	Down	4989.60 m	5229.66 m	27-Nov-2018 9:36:32 AM	09-Dec-2018 5:35:48 AM	Yes

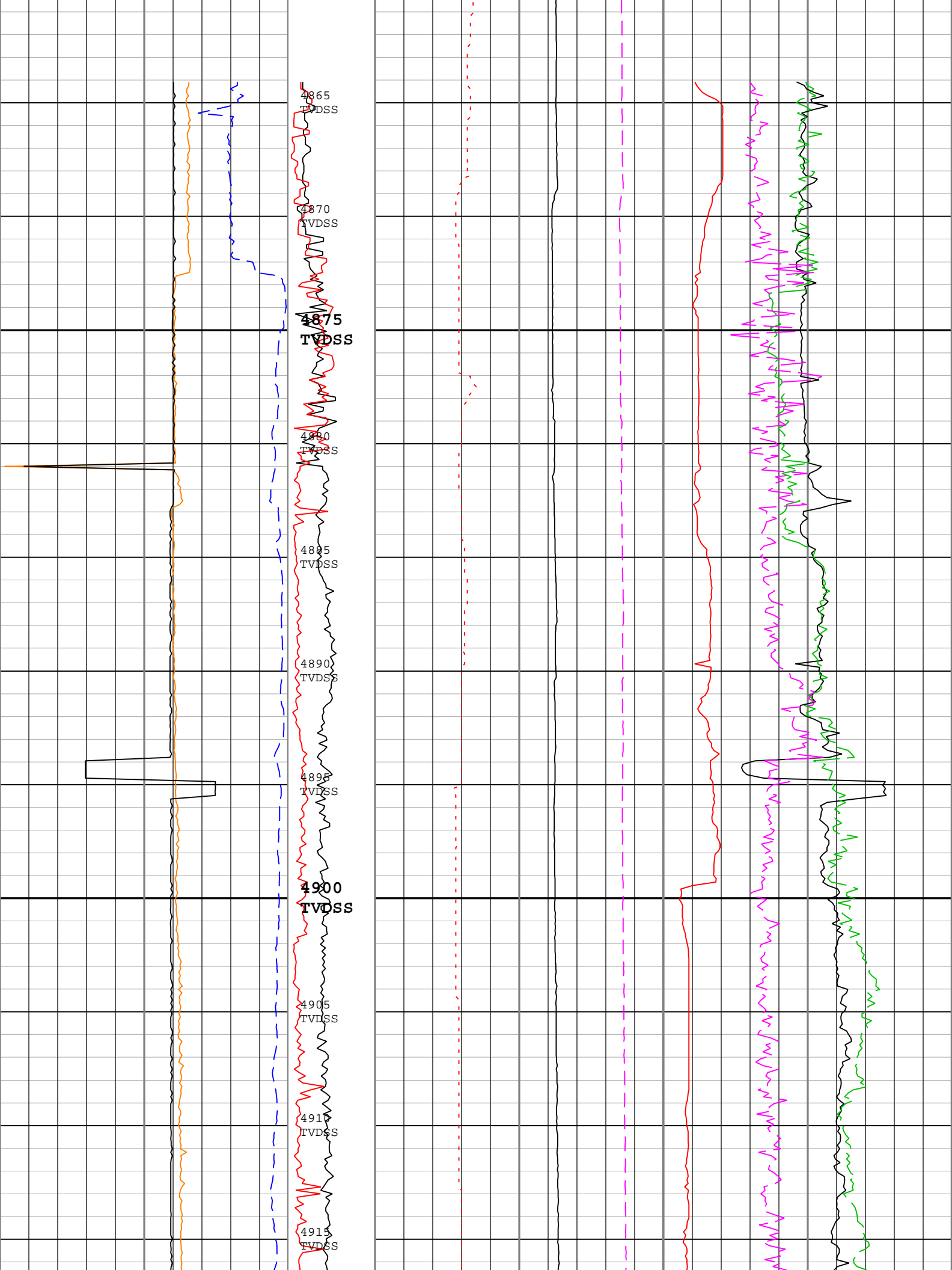
All depths are referenced to toolstring zero

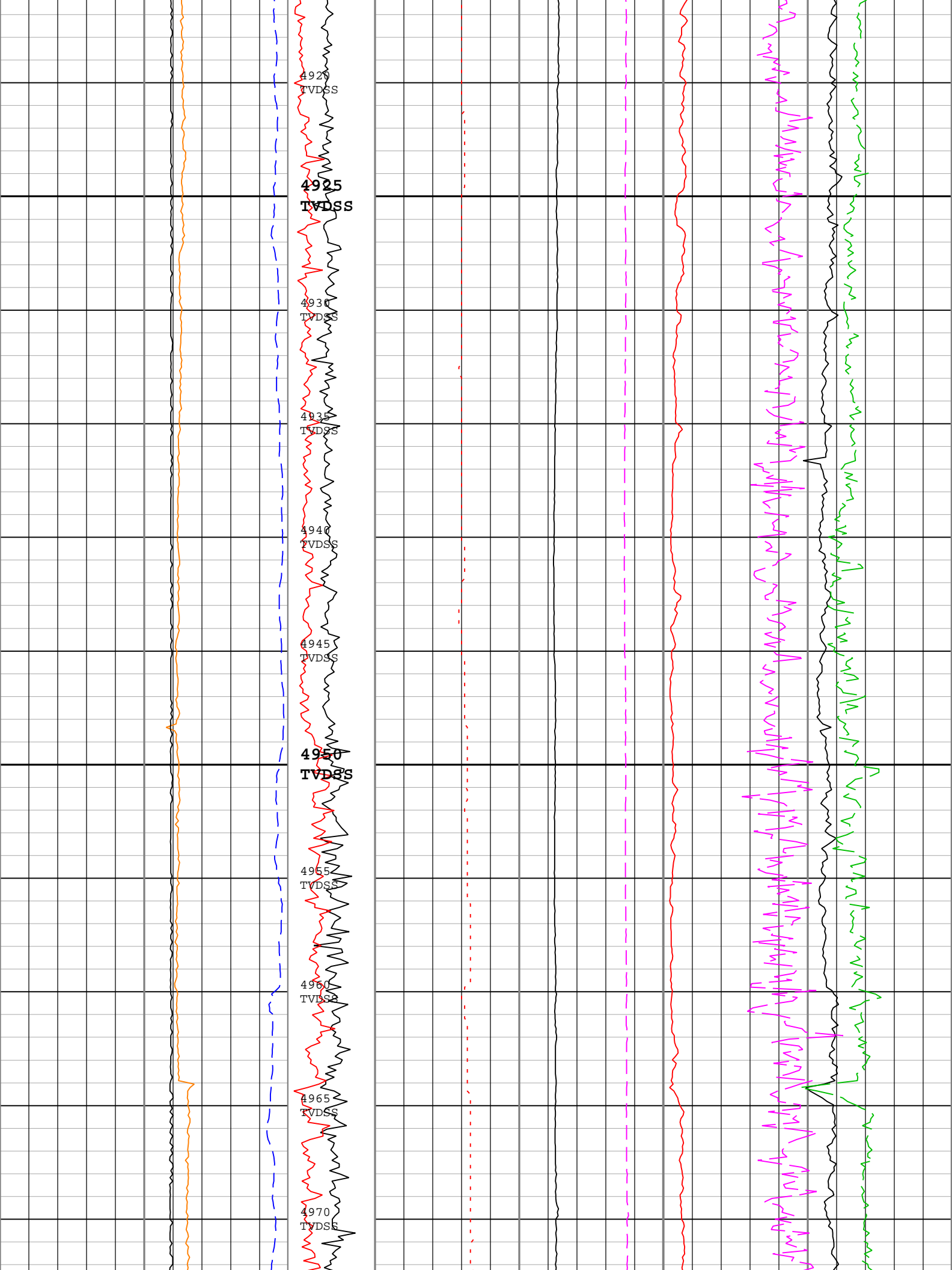
Log Company: JAMSTEC Well: C0002Q Run4: S120

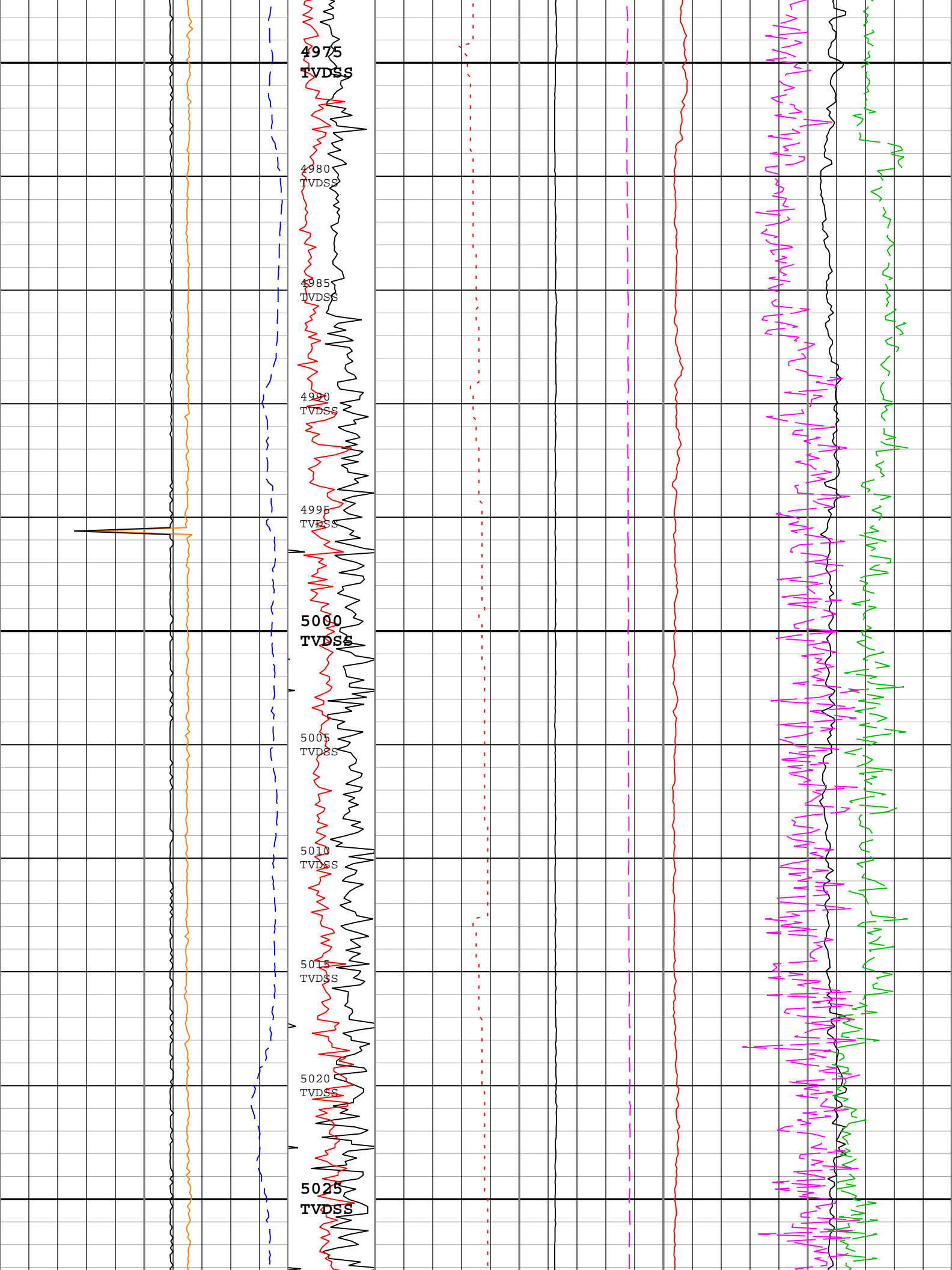
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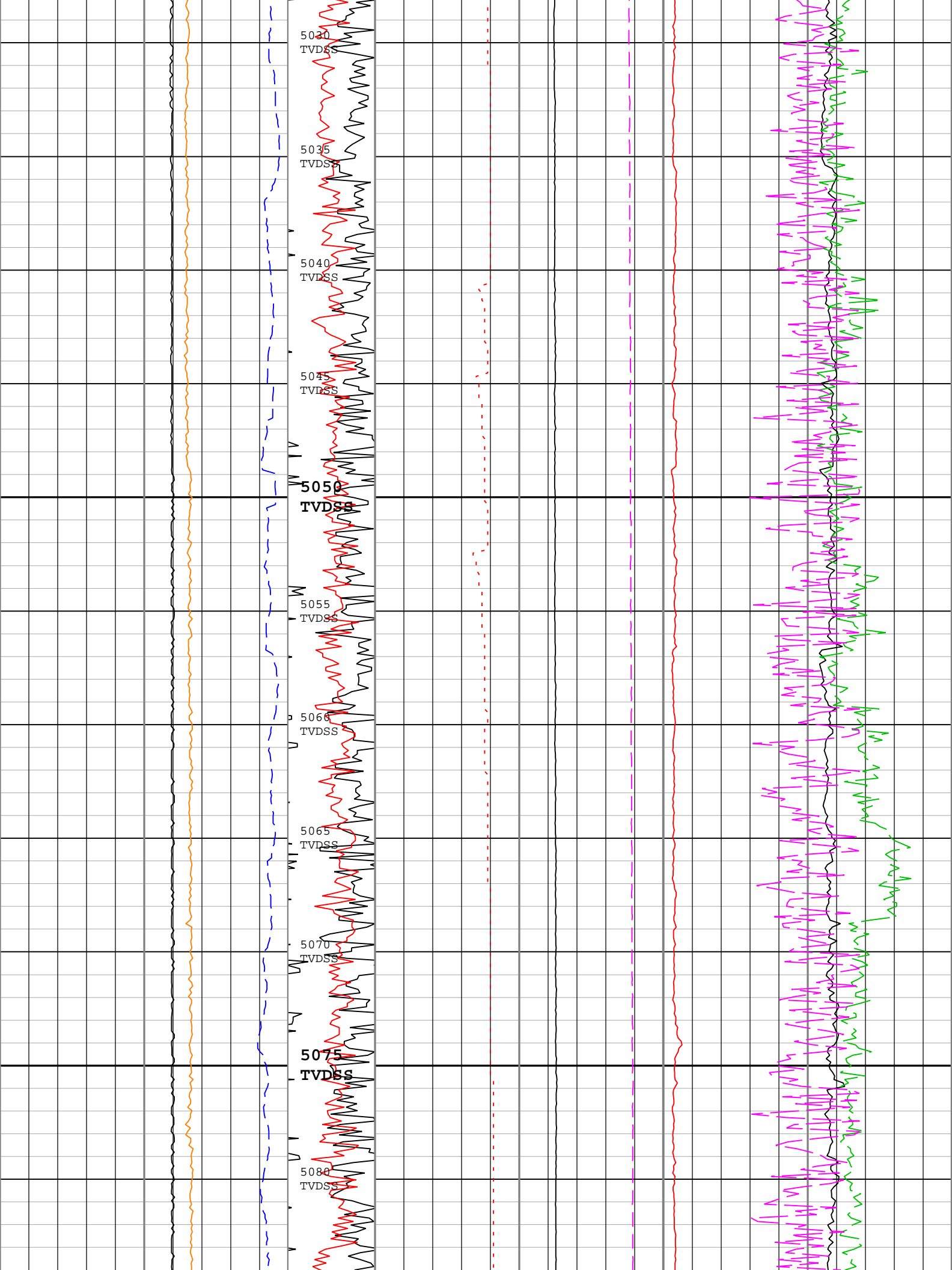
		CRPM_Tele Scope	Downhole Annulus Pressure (APRS_ARC) ARC[1] RM	Downhole Weight on Bit (DWOB_RT) TeleScope[1] RT
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT	0 c/min 200	0	MPa 80	-300 kN 300
50 m/h	0	Stick Slip Indicator (STICKNSLI P)	Downhole Annulus Temperature (ATMP) ARC[1] RM	-300 kN 300
Standpipe Pressure (SPPA) RT	0 MPa 30	0	degC 100	0 kN.m 50
Total flow rate of all active pumps (TFLO) RT	0 gal/min 1000	TeleScope[1] RM	Equivalent Circulating Density (ECD_ARC) ARC[1] RM	0 kN.m 50
		0 c/min 400	0.8 g/cm3 1.8	

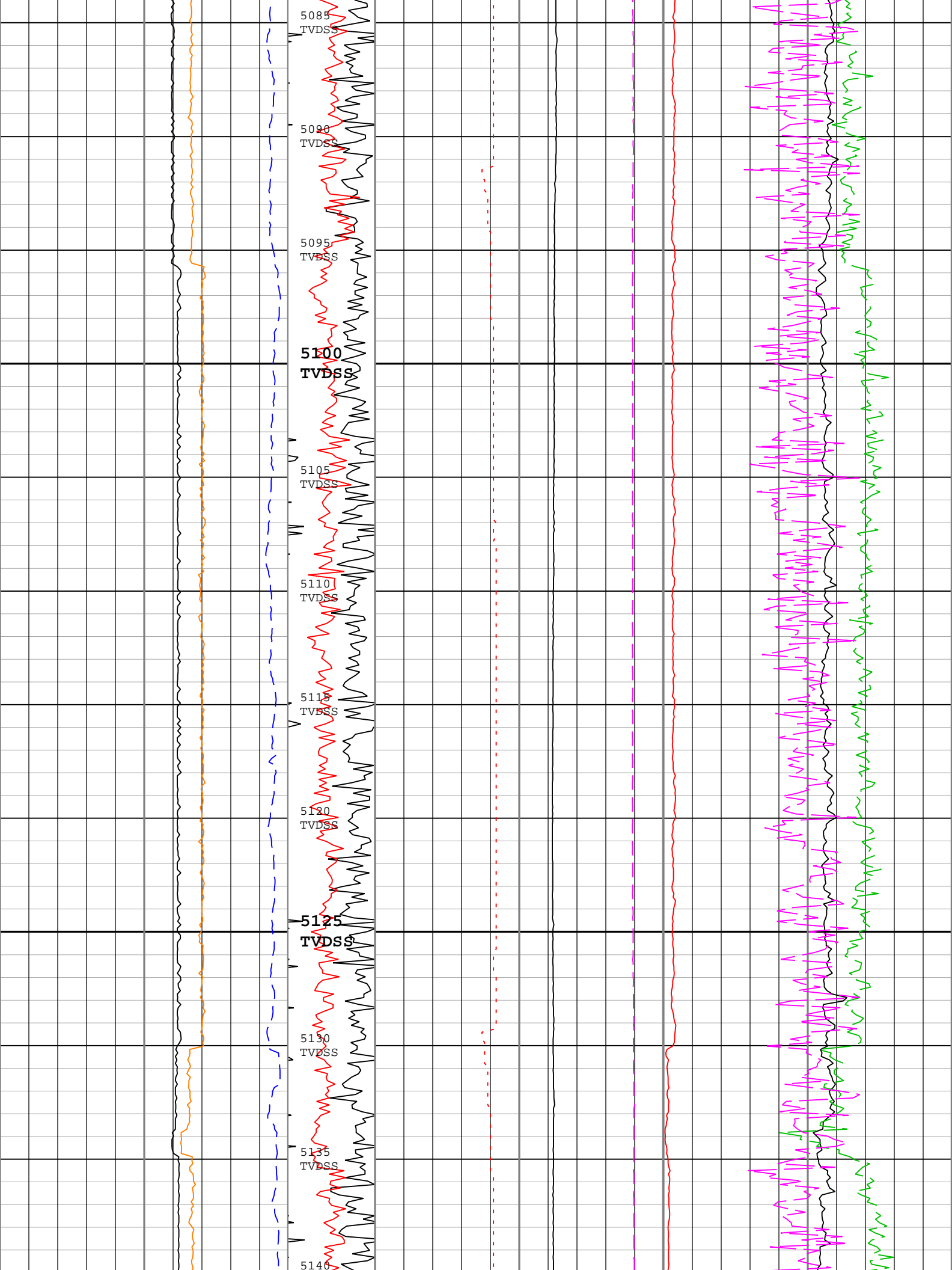
4800 TVDSS

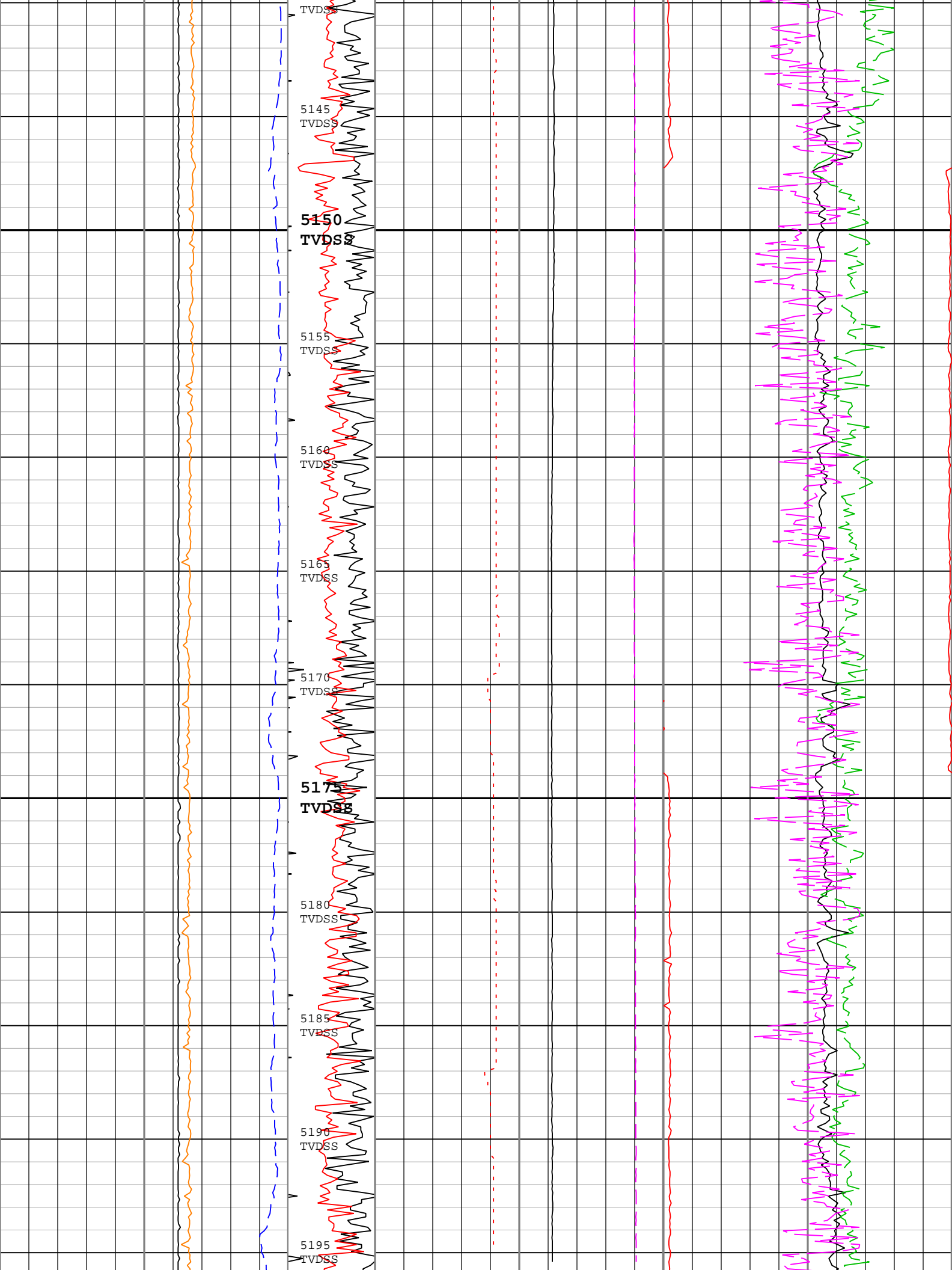


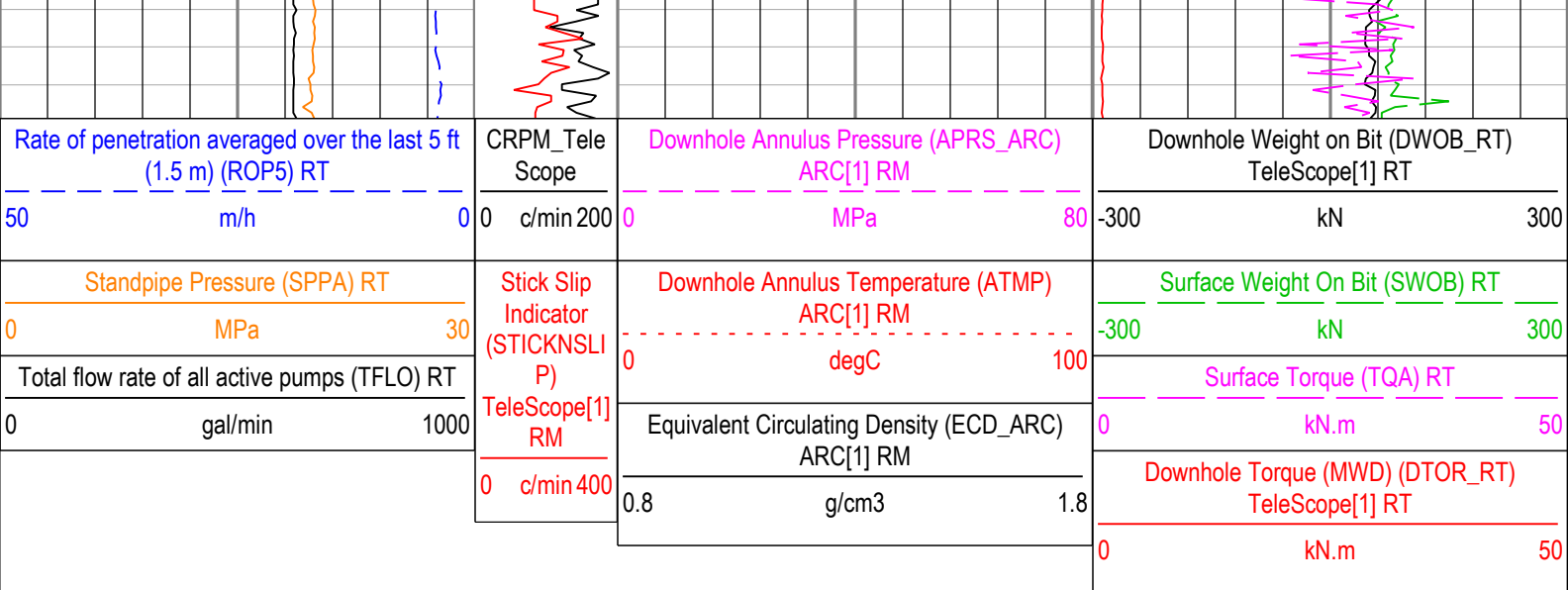












Description: Format: Log (Drilling Mechanics Log 675 RM MD) Index Scale: 1:200 Index Unit: m Index Type: SSTVD Creation Date: 28-Feb-2019 17:30:41

Channel Processing Parameters

Run4: Parameters

Parameter	Description	Tool	Value	Unit
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.37	g/cm3
FLEV	Depth of Drilling Fluid Level to LMF (Log Measured From)	Borehole	3	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

Run4: 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	0.4	m

Run4Time Zoned Parameters

Pass Drilling

Parameter	Value	Start Time	Stop Time	Start Depth (m)	Stop Depth (m)
DTOF	-26.97	27-Nov-2018 09:36:32	03-Dec-2018 09:20:58	4961.101	4980.405
DTOF	-27.58	03-Dec-2018 09:20:58	04-Dec-2018 04:10:14	4980.405	5018.785
DTOF	-27.46	04-Dec-2018 04:10:14	05-Dec-2018 00:42:02	5018.785	5066.283
DTOF	-27.58	05-Dec-2018 00:42:02	06-Dec-2018 03:52:29	5066.283	5135.625
DTOF	-26.97	06-Dec-2018 03:52:29	06-Dec-2018 04:32:05	5135.625	5135.625
DTOF	-27.09	06-Dec-2018 04:32:05	07-Dec-2018 02:56:52	5135.625	5175.884
DTOF	-25.62	07-Dec-2018 02:56:52	09-Dec-2018 05:35:48	5175.884	5201.157
DWOB_BETA	2.77	27-Nov-2018 09:36:32	03-Dec-2018 09:24:48	4961.101	4980.405
DWOB_BETA	2.98	03-Dec-2018 09:24:48	04-Dec-2018 04:13:57	4980.405	5018.785
DWOB_BETA	2.96	04-Dec-2018 04:13:57	04-Dec-2018 04:14:34	5018.785	5018.785
DWOB_BETA	2.96	04-Dec-2018 04:14:34	05-Dec-2018 00:45:59	5018.785	5066.283

DWOB_BETA	2.97	05-Dec-2018 00:45:59	06-Dec-2018 03:57:07	5066.283	5135.625
DWOB_BETA	2.75	06-Dec-2018 03:57:07	06-Dec-2018 03:57:45	5135.625	5135.625
DWOB_BETA	2.77	06-Dec-2018 03:57:45	06-Dec-2018 03:57:51	5135.625	5135.625
DWOB_BETA	2.77	06-Dec-2018 03:57:51	06-Dec-2018 03:58:16	5135.625	5135.625
DWOB_BETA	2.78	06-Dec-2018 03:58:16	07-Dec-2018 03:01:07	5135.625	5175.884
DWOB_BETA	2.68	07-Dec-2018 03:01:07	07-Dec-2018 03:03:47	5175.884	5175.884
DWOB_BETA	2.67	07-Dec-2018 03:03:47	07-Dec-2018 12:13:02	5175.884	5193.156
DWOB_BETA	2.75	07-Dec-2018 12:13:02	09-Dec-2018 05:35:48	5193.156	5201.157
DWOF	-531.56	27-Nov-2018 09:36:32	03-Dec-2018 09:24:48	4961.101	4980.405
DWOF	-536.01	03-Dec-2018 09:24:48	06-Dec-2018 03:57:45	4980.405	5135.625
DWOF	-538.23	06-Dec-2018 03:57:45	06-Dec-2018 03:57:51	5135.625	5135.625
DWOF	-536.01	06-Dec-2018 03:57:51	07-Dec-2018 03:01:07	5135.625	5175.884
DWOF	-533.79	07-Dec-2018 03:01:07	07-Dec-2018 03:03:47	5175.884	5175.884
DWOF	-531.56	07-Dec-2018 03:03:47	09-Dec-2018 05:35:48	5175.884	5201.157
DWOB_ZEROOOLP	4.91	27-Nov-2018 09:36:32	03-Dec-2018 09:24:48	4961.101	4980.405
DWOB_ZEROOOLP	4.91	03-Dec-2018 09:24:48	04-Dec-2018 04:13:57	4980.405	5018.785
DWOB_ZEROOOLP	4.93	04-Dec-2018 04:13:57	04-Dec-2018 04:14:34	5018.785	5018.785
DWOB_ZEROOOLP	4.93	04-Dec-2018 04:14:34	05-Dec-2018 00:45:59	5018.785	5066.283
DWOB_ZEROOOLP	4.99	05-Dec-2018 00:45:59	06-Dec-2018 03:57:07	5066.283	5135.625
DWOB_ZEROOOLP	5.21	06-Dec-2018 03:57:07	06-Dec-2018 03:57:45	5135.625	5135.625
DWOB_ZEROOOLP	5.22	06-Dec-2018 03:57:45	06-Dec-2018 03:57:51	5135.625	5135.625
DWOB_ZEROOOLP	5.22	06-Dec-2018 03:57:51	06-Dec-2018 03:58:16	5135.625	5135.625
DWOB_ZEROOOLP	5.22	06-Dec-2018 03:58:16	07-Dec-2018 03:01:07	5135.625	5175.884
DWOB_ZEROOOLP	5.36	07-Dec-2018 03:01:07	07-Dec-2018 03:03:47	5175.884	5175.884
DWOB_ZEROOOLP	5.26	07-Dec-2018 03:03:47	07-Dec-2018 12:13:02	5175.884	5193.156
DWOB_ZEROOOLP	5.36	07-Dec-2018 12:13:02	09-Dec-2018 05:35:48	5193.156	5201.157

Pass Ream Down 3

DTOF	-20.87	30-Nov-2018 04:29:32	01-Dec-2018 09:01:40	4865.911	4901.386
DTOF	-26.72	01-Dec-2018 09:01:40	02-Dec-2018 03:59:46	4901.386	4938.622
DTOF	-26.97	02-Dec-2018 03:59:46	02-Dec-2018 23:25:02	4938.622	4961.466
DWOB_BETA	3.36	30-Nov-2018 04:29:32	01-Dec-2018 09:04:35	4865.911	4901.386
DWOB_BETA	2.72	01-Dec-2018 09:04:35	02-Dec-2018 04:02:45	4901.386	4938.622
DWOB_BETA	2.77	02-Dec-2018 04:02:45	02-Dec-2018 23:25:02	4938.622	4961.466
DWOF	-564.92	30-Nov-2018 04:29:32	01-Dec-2018 09:04:35	4865.911	4901.386
DWOF	-531.56	01-Dec-2018 09:04:35	02-Dec-2018 23:25:02	4901.386	4961.466
DWOB_ZEROOOLP	2.76	30-Nov-2018 04:29:32	01-Dec-2018 09:04:35	4865.911	4901.386
DWOB_ZEROOOLP	4.91	01-Dec-2018 09:04:35	02-Dec-2018 04:02:45	4901.386	4938.622
DWOB_ZEROOOLP	4.91	02-Dec-2018 04:02:45	02-Dec-2018 23:25:02	4938.622	4961.466

All depth are at tool zero.

Calibration Report

ARC6 (Array Resistivity Compensated 675) Calibration - Run Run4

Primary Equipment : Elec. Chassis HP with AIM Receiver AREA 208

RESAIRCAL - Resistivity: Air

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Attenuation T1 at 2 MHz	dB	Master	8.500	6.500	8.223	10.500	
Attenuation T2 at 2 MHz	dB	Master	6.500	4.500	6.736	8.500	
Attenuation T3 at 2 MHz	dB	Master	4.500	2.500	4.846	6.500	
Attenuation T4 at 2 MHz	dB	Master	4.600	2.600	4.648	6.600	
Attenuation T5 at 2 MHz	dB	Master	3.600	1.600	3.403	5.600	
Phase Shift T1 at 2 MHz	deg	Master	0.100	-3.900	0.005	4.100	
Phase Shift T2 at 2 MHz	deg	Master	0.100	-3.900	0.026	4.100	
Phase Shift T3 at 2 MHz	deg	Master	0.100	-3.900	-0.057	4.100	
Phase Shift T4 at 2 MHz	deg	Master	0.100	-3.900	0.019	4.100	
Phase Shift T5 at 2 MHz	deg	Master	0.100	-3.900	-0.048	4.100	
Attenuation T1 at 400 KHz	dB	Master	8.500	6.500	8.189	10.500	
Attenuation T2 at 400 KHz	dB	Master	6.500	4.500	6.784	8.500	
Attenuation T3 at 400 KHz	dB	Master	4.500	2.500	4.802	6.500	
Attenuation T4 at 400 KHz	dB	Master	4.600	2.600	4.679	6.600	
Attenuation T5 at 400 KHz	dB	Master	3.600	1.600	3.367	5.600	
Phase Shift T1 at 400 KHz	deg	Master	0.100	-3.900	1.036	4.100	
Phase Shift T2 at 400 KHz	deg	Master	0.100	-3.900	-1.137	4.100	
Phase Shift T3 at 400 KHz	deg	Master	0.100	-3.900	1.070	4.100	
Phase Shift T4 at 400 KHz	deg	Master	0.100	-3.900	-1.108	4.100	
Phase Shift T5 at 400 KHz	deg	Master	0.100	-3.900	1.054	4.100	

GRGAIN - Gamma Ray: Blanket

Master (Time Frame File): 18:58:13 29-Oct-2018

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Calibration Gain		Master	1.000	0.580	1.119	1.250	

Company: JAMSTEC
Well: C0002Q
Field: C0002
Rig Name: D/V Chikyu
Prefecture: Wakayama
Country: Japan



VISION Resistivity
Gamma Ray - Resistivity

Recorded Mode log, True Vertical Depth 1:200