

# VISION Resistivity

## Gamma Ray - Resistivity

C0002R Run3, Recorded Mode Log, Measured  
Depth 1:200



Company: JAMSTEC

Well: C0002R

Field: C0002

Rig Name: D/V Chiky

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:

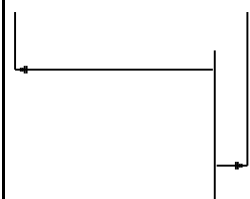
Rig Type:

D/V Chiky

Drill ship

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

Ground Level: 1939.00 m



Acquisition Dates: 07-Jan-2019 -- 08-Jan-2019

Other Services:

Log Interval: 4820.63(m) -- 4875.12(m)

Direction and Inclination

Index Types: Measured Depth

APWD

Index Scales: 1:200

Depth Source: Driller's Depth

Depth Sensor: DES

Print Type: Final

Spud Date: 26-Oct-2018

## Disclaimer

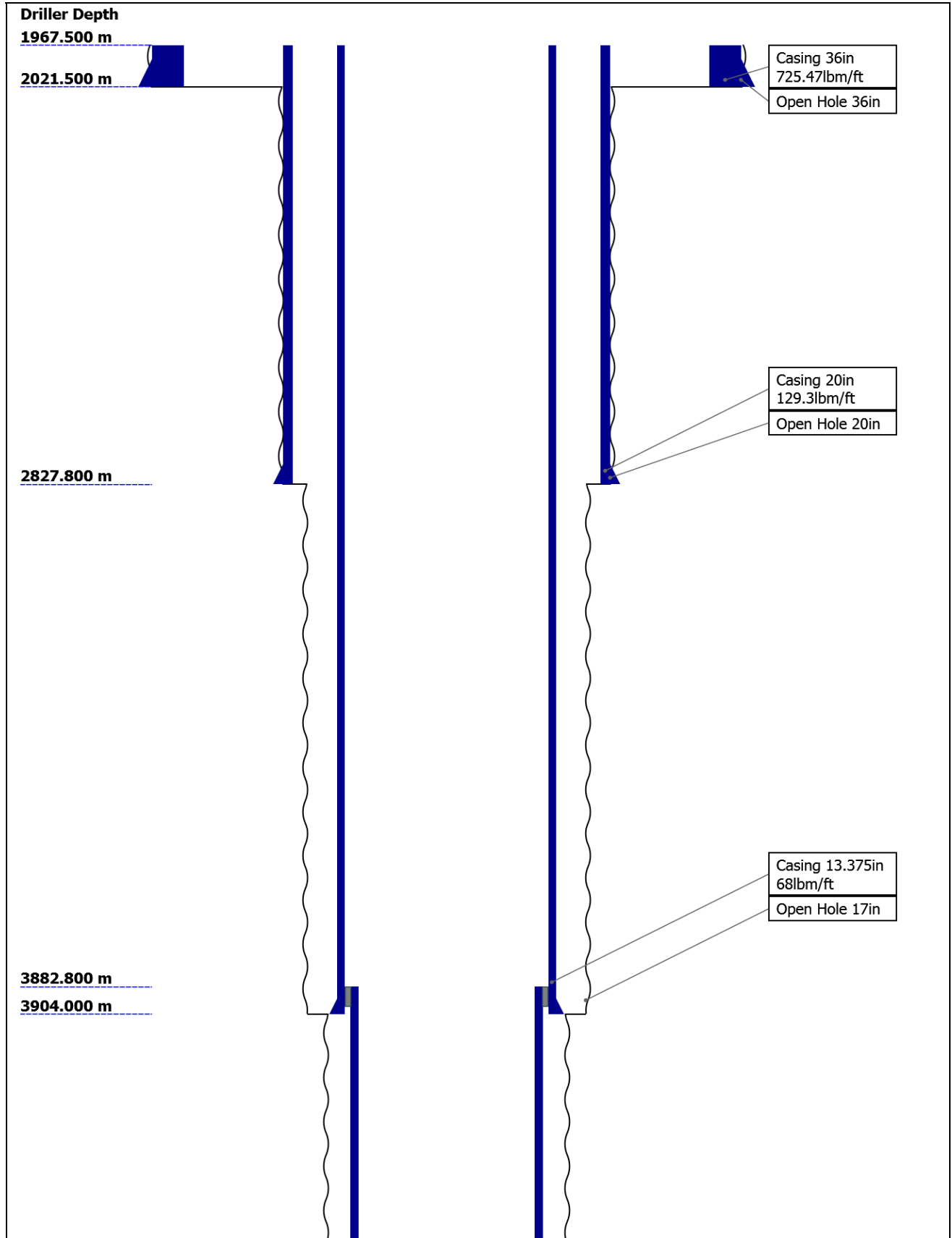
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (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.

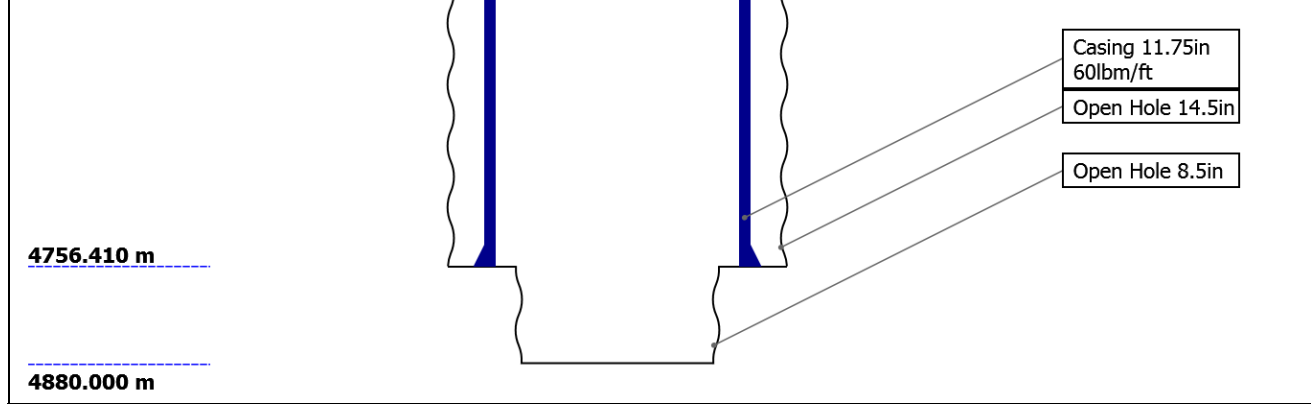
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## Well Sketch





## Borehole Size/Casing Record

Bit						
Bit Size ( in )	36	20	17	14.5	8.5	
Top Driller ( m )	1967.5	2021.5	2827.8	3904	4756.41	
Bottom Driller ( m )	2021.5	2827.8	3904	4756.41	4880	
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	4756.41		

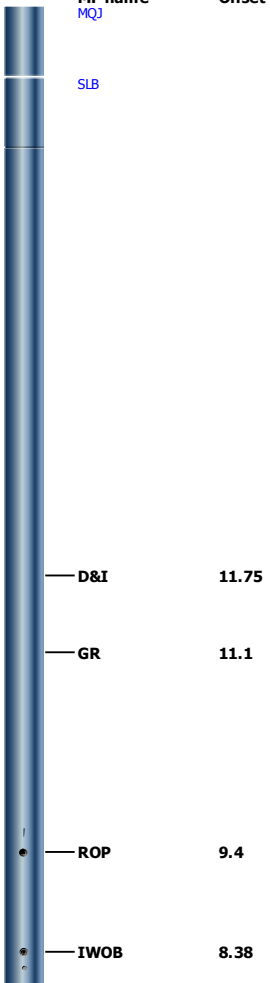
## Operational Run Summary

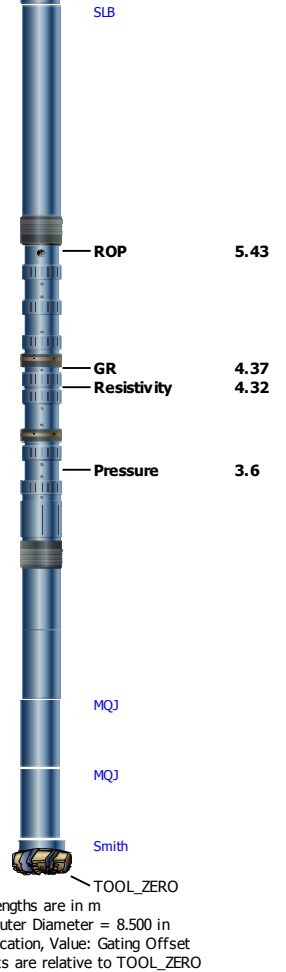
Parameter ( unit )	Run 3					
Date Log Started	06-Jan-2019					
Time Log Started	04:43:03					
Date Log Finished	09-Jan-2019					
Time Log Finished	23:45:34					
Bit Size ( in )	8.500					
Bit Start Depth ( m )	0.00					
Bit Stop Depth ( m )	0.00					
Top Log Interval ( m )	4820.63					
Bottom Log Interval ( m )	4875.12					
Max Hole Deviation ( deg )	1.62					
Azimuth of Max Deviation ( deg )	93.01					
Logging Unit Number	OLU-MB 8054					
Logging Unit Location	Zone2					
Recorded By	SMoriyama/YWang					
Witnessed By	YSanada/YKido					
Service Order Number	18JAP0007					

## Borehole Fluids

Parameter( unit )	Run 3				
Fluid Type	Water				
Max Recorded Temperatures ( degC )	48				
Source of Sample	Active Tank				
Salinity ( ppm )	121287.1				
Density ( g/cm3 )	1.39				
Funnel Viscosity ( s )	67				
Fluid Loss ( cm3 )	7.3				
PH	9.6				
Source RMF	Pressed				
RMC	Pressed				
RM @ Meas Temp ( ohm.m@degC )	0.07 @ 18.5				
RMF @ Meas Temp ( ohm.m@degC )	0.05 @ 18.5				
RMC @ Meas Temp ( ohm.m@degC )	0.08 @ 18.5				
RM @ BHT ( ohm.m@degC )	0.06 @ 30				
RMF @ BHT ( ohm.m@degC )	0.04 @ 30				
RMC @ BHT ( ohm.m@degC )	0.06 @ 30				
Total Solid ( % )	18				
High Gravity Solids ( % )					

## Remarks and Equipment Summary

Run 3: Toolstring	Run 3: Remarks																														
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Equip name</b> X/O: 6 3/4"[2]:01 -008-0002</td> <td style="width: 10%;"><b>Length</b> 16.44</td> <td style="width: 10%;"></td> <td style="width: 10%;"><b>MP name</b> MQJ</td> <td style="width: 10%;"><b>Offset</b></td> </tr> <tr> <td><b>TELE675-IWOB:G3 917</b></td> <td>15.92</td> <td></td> <td>SLB</td> <td></td> </tr> </table>  <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 20%; text-align: right;">— D&amp;I</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: right;">11.75</td> </tr> <tr> <td style="text-align: right;">— GR</td> <td></td> <td></td> <td></td> <td style="text-align: right;">11.1</td> </tr> <tr> <td style="text-align: right;">● — ROP</td> <td></td> <td></td> <td></td> <td style="text-align: right;">9.4</td> </tr> <tr> <td style="text-align: right;">● — IWOB</td> <td></td> <td></td> <td></td> <td style="text-align: right;">8.38</td> </tr> </table>	<b>Equip name</b> X/O: 6 3/4"[2]:01 -008-0002	<b>Length</b> 16.44		<b>MP name</b> MQJ	<b>Offset</b>	<b>TELE675-IWOB:G3 917</b>	15.92		SLB		— D&I				11.75	— GR				11.1	● — ROP				9.4	● — IWOB				8.38	<p>Depth Reference is driller's depth measured from Rotary Table.</p> <p>Data presented is Recorded Mode data which was acquired while drilling.</p> <p>Gamma Ray measurement is corrected for bit size, mud weight, tool collar size and potassium content (1.54%) in the mud.</p> <p>Resistivity measurement is borehole compensated and environmentally corrected for hole size and mud resistivity.</p> <p>Reason of POOH: Total Depth.</p> <p>Drilling Time: 0hrs. (Drilling is likely carried out, but it could not be identified when it starts.</p> <p>Pumping Time: 48.6hrs.</p>
	<b>Equip name</b> X/O: 6 3/4"[2]:01 -008-0002	<b>Length</b> 16.44		<b>MP name</b> MQJ	<b>Offset</b>																										
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	— D&I				11.75																										
	— GR				11.1																										
	● — ROP				9.4																										
	● — IWOB				8.38																										



X/O: 6 3/4"[1]:35 1.94  
3-01-021-0000

Fit Sub: 6 3/4":02- 0.85  
005-0000

Bit: 8 1/2":QF3591 0.24

## 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
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### Tie In Point

Measured Depth:	4724.76 m	Inclination:	1.62 deg	Azimuth:	93.01 deg
True Vertical Depth:	4722.98 m	North Displacement:	3.97 m	East Displacement:	46.10 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 :	HDGM 2018	Geomagnetic Date :	22-Dec-2018
Computed Location B :	46168.20 nT +/- 300.00nT	Used Location B :	46168.20 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

### D&I Inits Computed and Values Used - Run 3

Geomagnetic Model :	HDGM 2018	Geomagnetic Date :	22-Dec-2018
Computed Location B :	46168.20 nT +/- 300.00nT	Used Location B :	46168.20 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

12 : Checkshot

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	4724.76	1.62	93.01	----	4722.98	3.97	3.97	46.10	46.27	85.08	0.00	TIP	28	0	0
2	4771.81	1.92	149.07	47.05	4770.01	3.26	3.26	47.17	47.28	86.05	1.08	TeleScope	2	0	0
3	4787.76	1.44	113.28	15.94	4785.95	2.95	2.95	47.49	47.58	86.45	2.13	TeleScope	2	0	0
4	4810.46	2.33	160.16	22.71	4808.64	2.40	2.40	47.91	47.97	87.13	2.25	TeleScope	2	0	0
5	4827.23	3.01	148.57	16.77	----	----	----	----	----	----	----	TeleScope	2	0	12
6	4827.52	2.64	160.63	0.29	4825.69	1.70	1.70	48.16	48.19	87.97	0.55	TeleScope	2	0	0
7	4839.85	3.18	130.85	12.32	4838.00	1.21	1.21	48.51	48.53	88.57	3.85	TeleScope	2	0	0
8	4853.77	3.62	152.36	13.93	----	----	----	----	----	----	----	TeleScope	2	0	12
9	4860.55	3.10	122.03	6.77	4858.67	0.54	0.54	49.42	49.42	89.37	0.71	TeleScope	2	0	0
10	4867.25	3.04	93.24	6.70	----	----	----	----	----	----	----	TeleScope	2	0	12

Run3

Run3 LWD 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
Run 3	Ream Down 1	Down	4809.79 m	4840.33 m	07-Jan-2019 12:06:19 PM	07-Jan-2019 8:51:27 PM	Yes
Run 3	Ream Down 2	Down	4835.35 m	4879.54 m	07-Jan-2019 8:51:31 PM	08-Jan-2019 8:19:59 PM	Yes

All depths are referenced to toolstring zero

Log

Company: JAMSTEC Well: C0002R  
Run3: S074

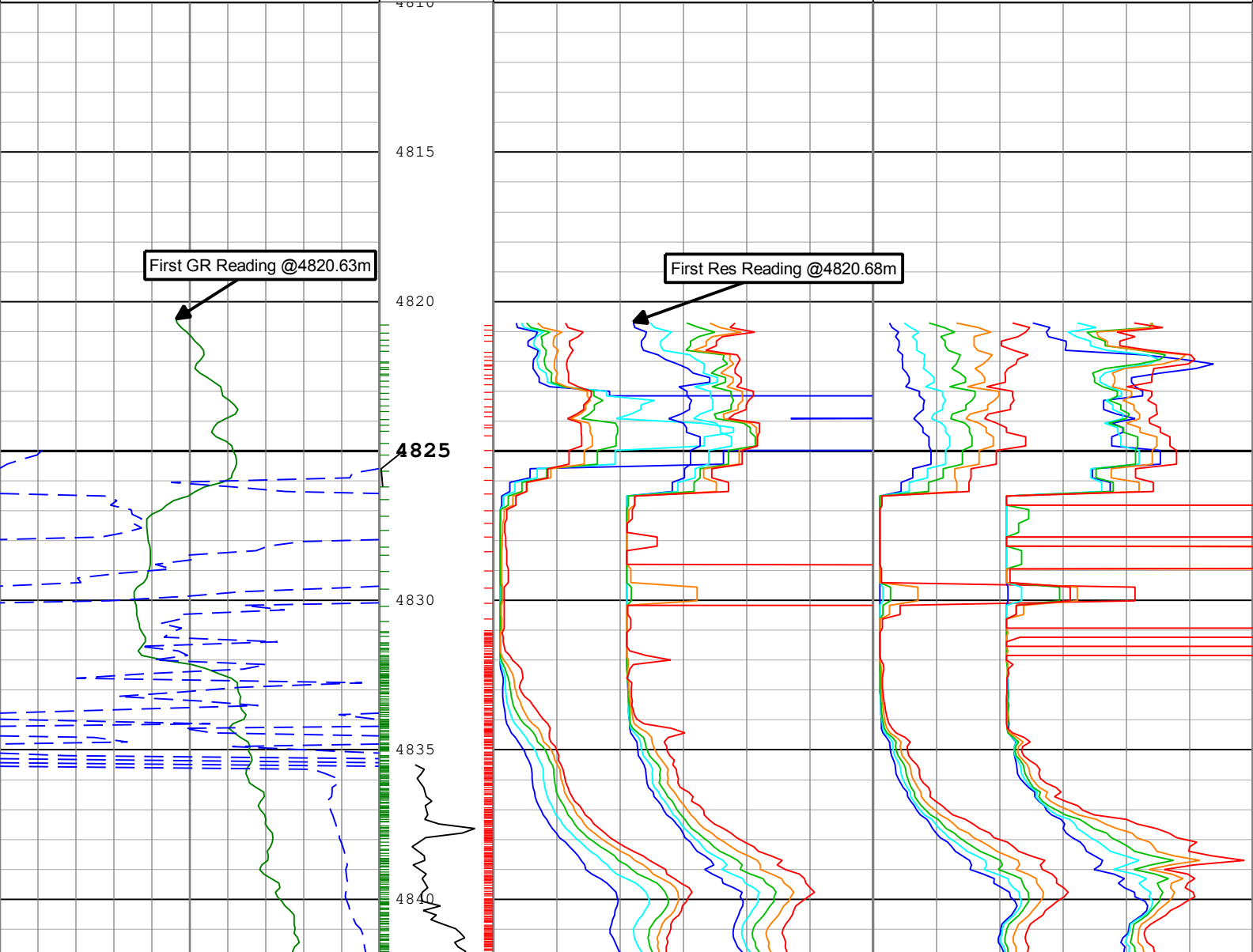
Description: ARC Blended Resistivity 2-Log Format: Log ( VISION Resistivity MD ) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth  
Creation Date: 05-Mar-2019 19:34:24

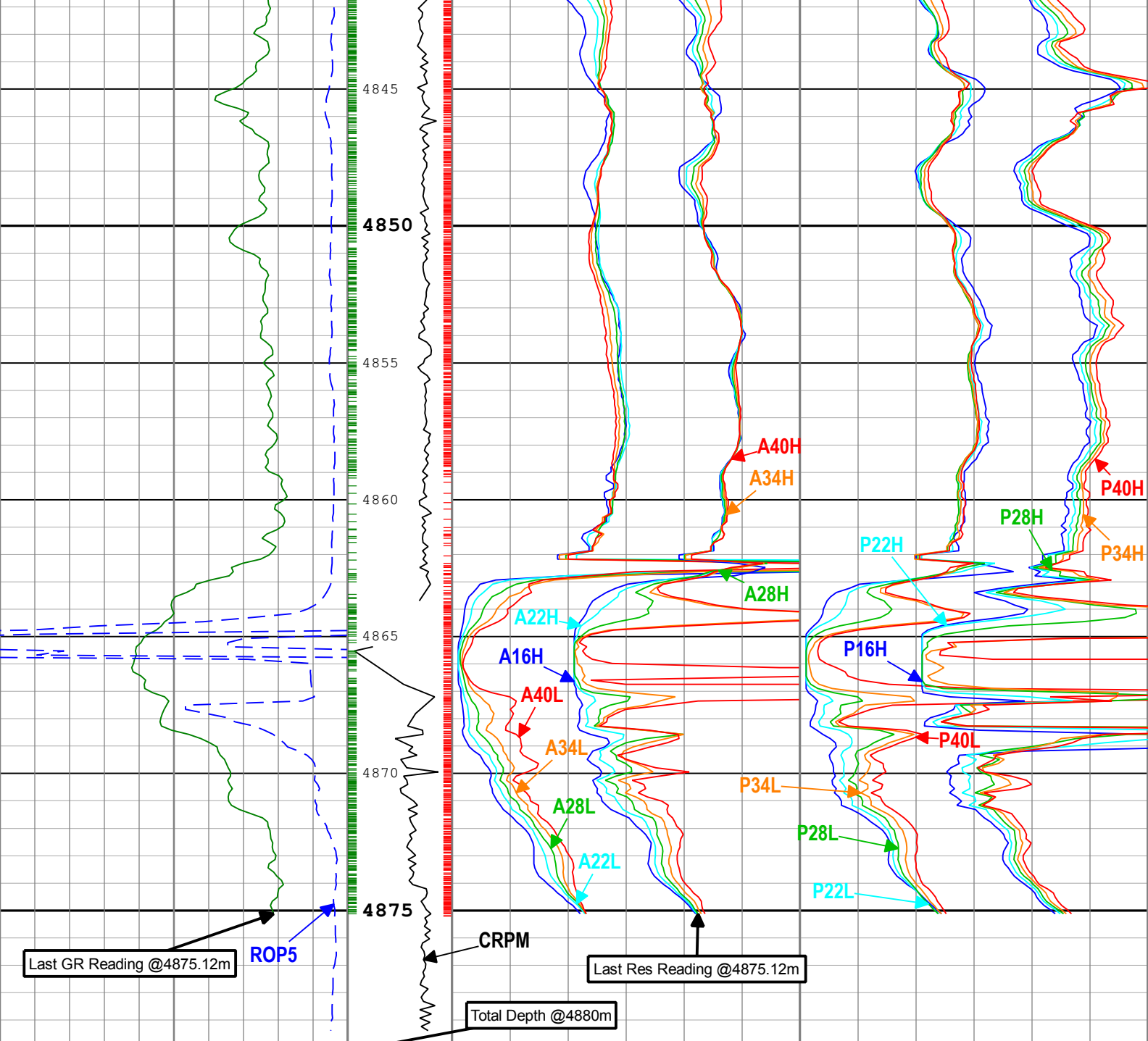
├ TICK\_ARC\_GR - Gamma Ray Tick Marks ARC[1] RM

└ 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

Gamma Ray (GR_ARC) ARC[1] RM			Collar Rotational Speed (CRPM) TeleScope[1] RM	0 ohm.m 6 0 ohm.m 6		
0	gAPI	150		Attenuation Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected (A16H) ARC[1] RM		
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT				Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H) ARC[1] RM		
50	m/h	0	0 c/min 200	-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		
				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		
				Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H) ARC[1] RM		
				Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H) ARC[1] RM		
				Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H) ARC[1] RM		
				Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H) ARC[1] RM		





Gamma Ray (GR_ARC) ARC[1] RM 0 gAPI 150	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
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT 50 m/h 0		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	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
Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H) ARC[1] RM	Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H) ARC[1] RM
-2 ohm.m 4	-2 ohm.m 4
Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H) ARC[1] RM	Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H) 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: Measured Depth  
Creation Date: 05-Mar-2019 19:34:24

## Channel Processing Parameters

### Run 3: Parameters

Parameter	Description	Tool	Value	Unit
ABNT	Abnormal Transmitter Indicator	ARC6	NO_TX_FAILED	
BHK	Drilling Fluid Potassium Concentration	Borehole	1.54	%
BS	Bit Size	DNMSESSION	8.5	in
DFD	Drilling Fluid Density	Borehole	1.39	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	0.07	ohm.m

## Tool Control Parameters

Run3

Run3 DML

## Software Version

Acquisition System

Version

Maxwell 2018 SP2

8.2.104493.3100

## Composite Summary

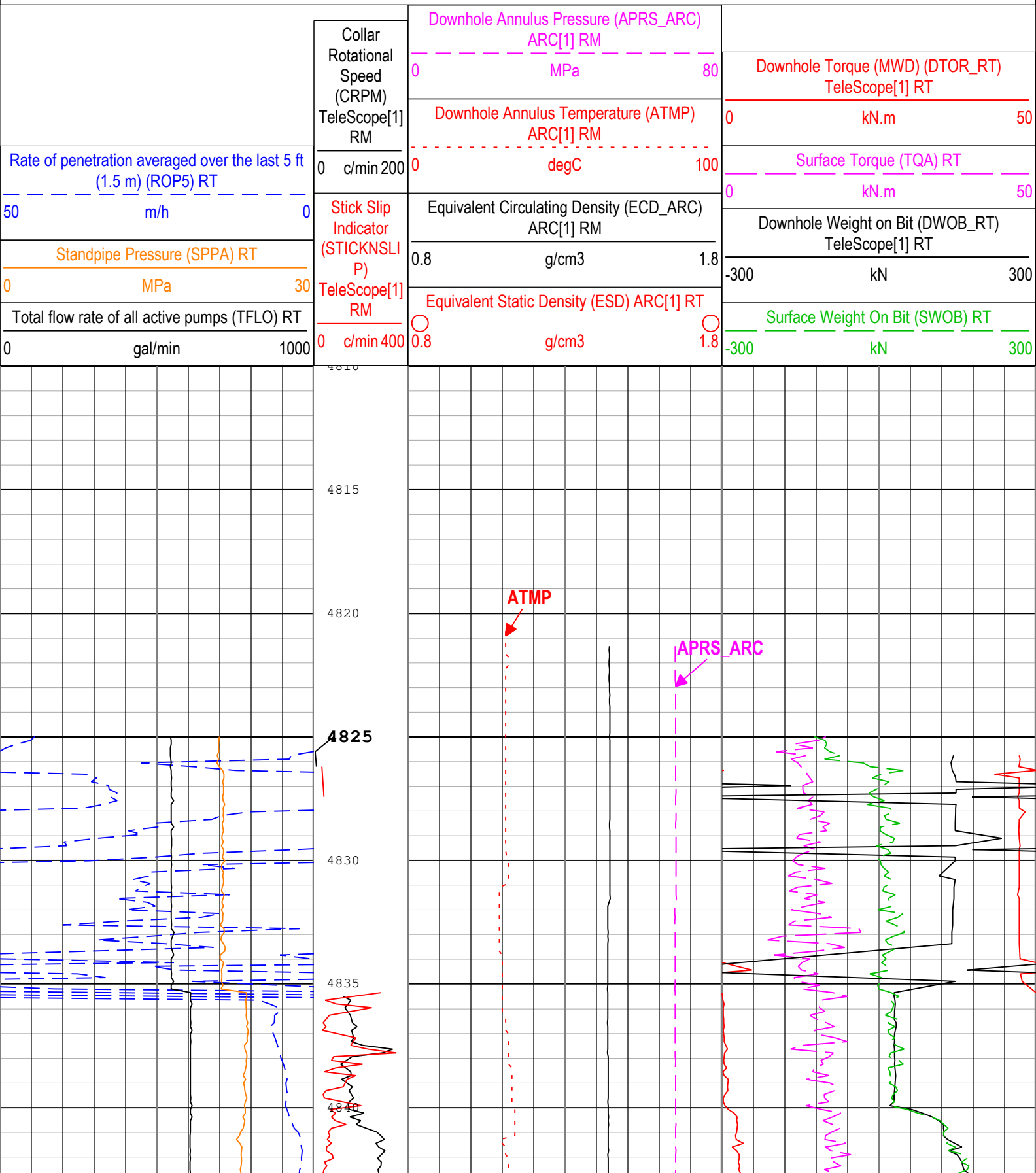
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
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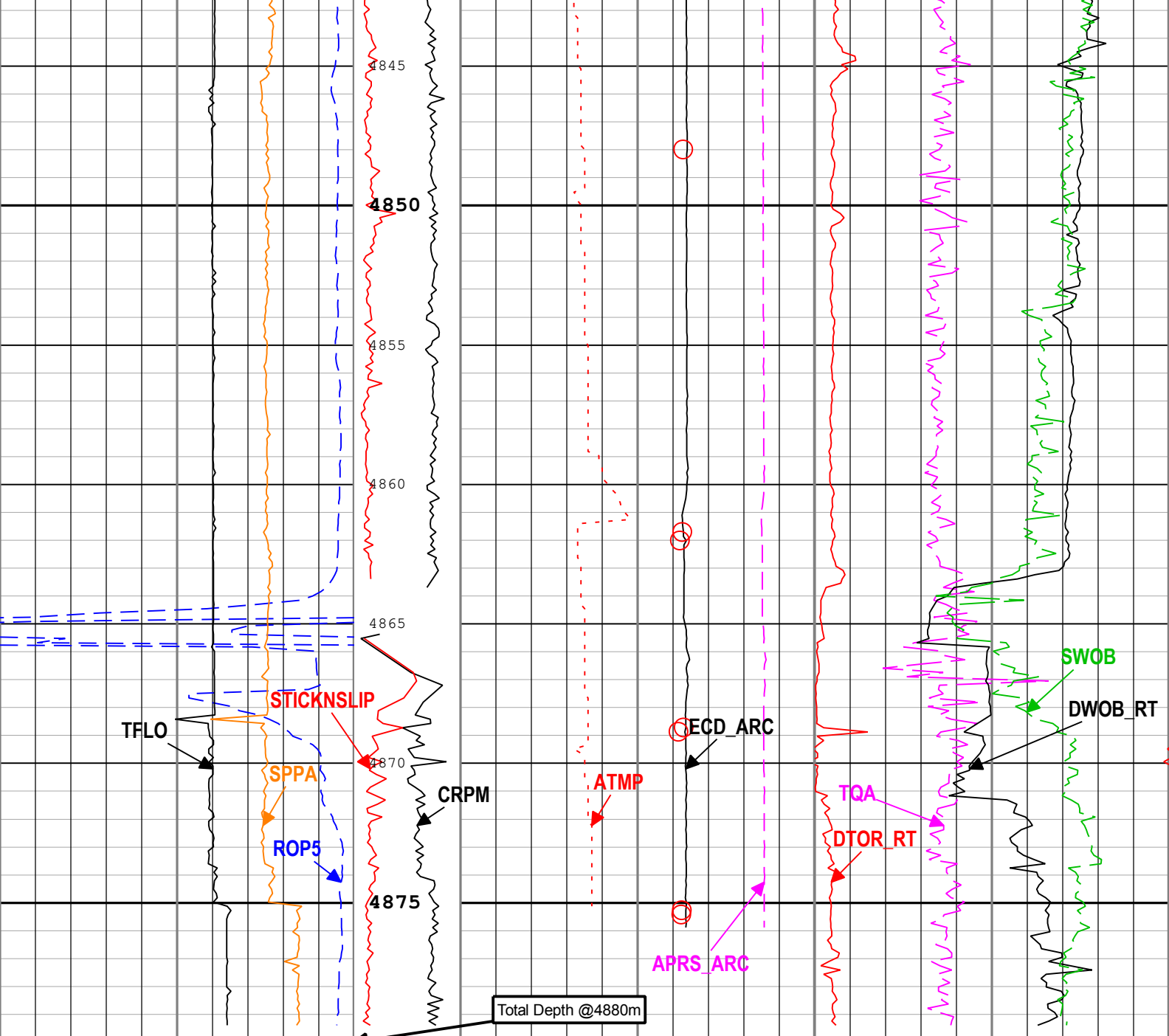
Run 3	Ream Down 1	Down	4809.79 m	4840.33 m	07-Jan-2019 12:06:19 PM	07-Jan-2019 8:51:27 PM	Yes
Run 3	Ream Down 2	Down	4835.35 m	4879.54 m	07-Jan-2019 8:51:31 PM	08-Jan-2019 8:19:59 PM	Yes

All depths are referenced to toolstring zero

<b>Log</b>	Company: JAMSTEC	Well: C0002R
	Run3: S074	

Description: Format: Log ( Drilling Mechanics Log 675 RM MD ) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 05-Mar-2019 19:34:26





Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT 50 m/h 0	Collar Rotational Speed (CRPM) TeleScope[1] RM 0 c/min 200	Downhole Annulus Pressure (APRS_ARC) ARC[1] RM 0 MPa 80	Downhole Torque (MWD) (DTOR_RT) TeleScope[1] RT 0 kN.m 50
Standpipe Pressure (SPPA) RT 0 MPa 30	Stick Slip Indicator (STICKNSLIP) TeleScope[1] RM 0 c/min 400	Downhole Annulus Temperature (ATMP) ARC[1] RM 0 degC 100	Surface Torque (TQA) RT 0 kN.m 50
Total flow rate of all active pumps (TFLO) RT 0 gal/min 1000	Equivalent Circulating Density (ECD_ARC) ARC[1] RM 0.8 g/cm3 1.8	Equivalent Static Density (ESD) ARC[1] RT 0.8 g/cm3 1.8	Downhole Weight on Bit (DWOB_RT) TeleScope[1] RT -300 kN 300
			Surface Weight On Bit (SWOB) RT -300 kN 300

Description: Format: Log ( Drilling Mechanics Log 675 RM MD ) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 05-Mar-2019 19:34:26

### Channel Processing Parameters

### Run 3: Parameters

Parameter	Description	Tool	Value	Unit
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.39	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

### Run 3: 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

### Run 3 Time Zoned Parameters

### Pass Ream Down 1

Parameter	Value	Start Time	Stop Time	Start Depth ( m )	Stop Depth ( m )
DTOF	-14.76	07-Jan-2019 12:06:19	07-Jan-2019 14:24:43	4825	4839.843
DTOF	-12.2	07-Jan-2019 14:24:43	07-Jan-2019 20:51:27	4839.843	4840.22
DWOB_BETA	3.65	07-Jan-2019 12:06:19	07-Jan-2019 14:28:02	4825	4839.843
DWOB_BETA	3.68	07-Jan-2019 14:28:02	07-Jan-2019 20:51:27	4839.843	4840.22
DWOF	-460.39	07-Jan-2019 12:06:19	07-Jan-2019 14:28:02	4825	4839.843
DWOF	-613.85	07-Jan-2019 14:28:02	07-Jan-2019 20:51:27	4839.843	4840.22
DWOB_ZEROTOOLP	4.48	07-Jan-2019 12:06:19	07-Jan-2019 14:28:02	4825	4839.843
DWOB_ZEROTOOLP	4.48	07-Jan-2019 14:28:02	07-Jan-2019 20:51:27	4839.843	4840.22

### Pass Ream Down 2

DTOF	-12.2	07-Jan-2019 20:51:31	08-Jan-2019 05:48:15	4835.347	4853.838
DTOF	-12.08	08-Jan-2019 05:48:15	08-Jan-2019 20:19:59	4853.838	4879.543
DWOB_BETA	3.68	07-Jan-2019 20:51:31	08-Jan-2019 05:52:28	4835.347	4853.838
DWOB_BETA	3.16	08-Jan-2019 05:52:28	08-Jan-2019 20:19:59	4853.838	4879.543
DWOF	-613.85	07-Jan-2019 20:51:31	08-Jan-2019 20:19:59	4835.347	4879.543
DWOB_ZEROTOOLP	4.48	07-Jan-2019 20:51:31	08-Jan-2019 05:52:28	4835.347	4853.838
DWOB_ZEROTOOLP	5.4	08-Jan-2019 05:52:28	08-Jan-2019 20:19:59	4853.838	4879.543

All depth are at tool zero.

### Calibration Report

### ARC6 (Array Resistivity Compensated 675) Calibration - Run 3

Primary Equipment :

Elec. Chassis HP with AIM Receiver

AREA

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### RESAIRCAL - Resistivity: Air

Master (Time Frame File): 18:57:26 15-Nov-2018

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Attenuation T1 at 2 MHz	dB	Master	8.500	6.500	8.275	10.500	
Attenuation T2 at 2 MHz	dB	Master	6.500	4.500	6.730	8.500	
Attenuation T3 at 2 MHz	dB	Master	4.500	2.500	4.874	6.500	
Attenuation T4 at 2 MHz	dB	Master	4.600	2.600	4.625	6.600	

Attenuation T5 at 2 MHz	dB	Master	3.600	1.600	3.419	5.600	
Phase Shift T1 at 2 MHz	deg	Master	0.100	-3.900	1.048	4.100	
Phase Shift T2 at 2 MHz	deg	Master	0.100	-3.900	-1.065	4.100	
Phase Shift T3 at 2 MHz	deg	Master	0.100	-3.900	0.993	4.100	
Phase Shift T4 at 2 MHz	deg	Master	0.100	-3.900	-1.095	4.100	
Phase Shift T5 at 2 MHz	deg	Master	0.100	-3.900	1.001	4.100	
Attenuation T1 at 400 KHz	dB	Master	8.500	6.500	8.324	10.500	
Attenuation T2 at 400 KHz	dB	Master	6.500	4.500	6.691	8.500	
Attenuation T3 at 400 KHz	dB	Master	4.500	2.500	4.919	6.500	
Attenuation T4 at 400 KHz	dB	Master	4.600	2.600	4.580	6.600	
Attenuation T5 at 400 KHz	dB	Master	3.600	1.600	3.477	5.600	
Phase Shift T1 at 400 KHz	deg	Master	0.100	-3.900	0.501	4.100	
Phase Shift T2 at 400 KHz	deg	Master	0.100	-3.900	-0.470	4.100	
Phase Shift T3 at 400 KHz	deg	Master	0.100	-3.900	0.493	4.100	
Phase Shift T4 at 400 KHz	deg	Master	0.100	-3.900	-0.501	4.100	
Phase Shift T5 at 400 KHz	deg	Master	0.100	-3.900	0.480	4.100	

## GRGAIN - Gamma Ray: Blanket

Master (Time Frame File): 00:06:52 15-Nov-2018

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Calibration Gain		Master	1.000	0.580	1.081	1.250	

**Company:** JAMSTEC  
**Well:** C0002R  
**Field:** C0002  
**Rig Name:** D/V Chikyu  
**Prefecture:** Wakayama  
**Country:** Japan



**VISION Resistivity**  
**Gamma Ray - Resistivity**

C0002R Run3, Recorded Mode Log, Measured Depth 1:200