Schlumberger

ArcVISION Resitivity

Measured Depth, Scale 1:500

Recorded Mode Well Composite

Company:	JAMSTEC
	MQJ
Well:	NT3-01
Field:	Nankai Kumano Basin
Rig Name:	Chikyu
State:	Mie Prefecture
Country:	Japan

Latitude:	33° 18' 0.756" N	UWID:	N/A
Longitude:	136° 38' 8.928" E	Rig Name:	Chikyu
Block:	N/A	Rig Type:	Drillship

FL:	Philippine Sea
FL1:	N/A
FL2:	N/A

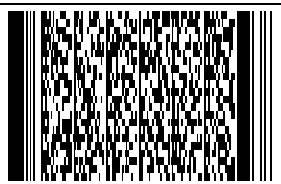
Log Measured From - Drill Floor: 28.5 m

Permanent Datum - Mean Sea Level

Acquisition Dates:	17 Nov 10 to 21 Nov 10
Print Interval:	2006.6(m) to 2945.6(m)
Index Types:	Measured Depth
Index Scales:	1:500
Depth Source:	Driller's Depth
Depth Sensor:	DES
Conveyance:	Drill Pipe
Print Type:	Final
Spud Date:	16-Nov-2010

Other Services:

Directional Drilling

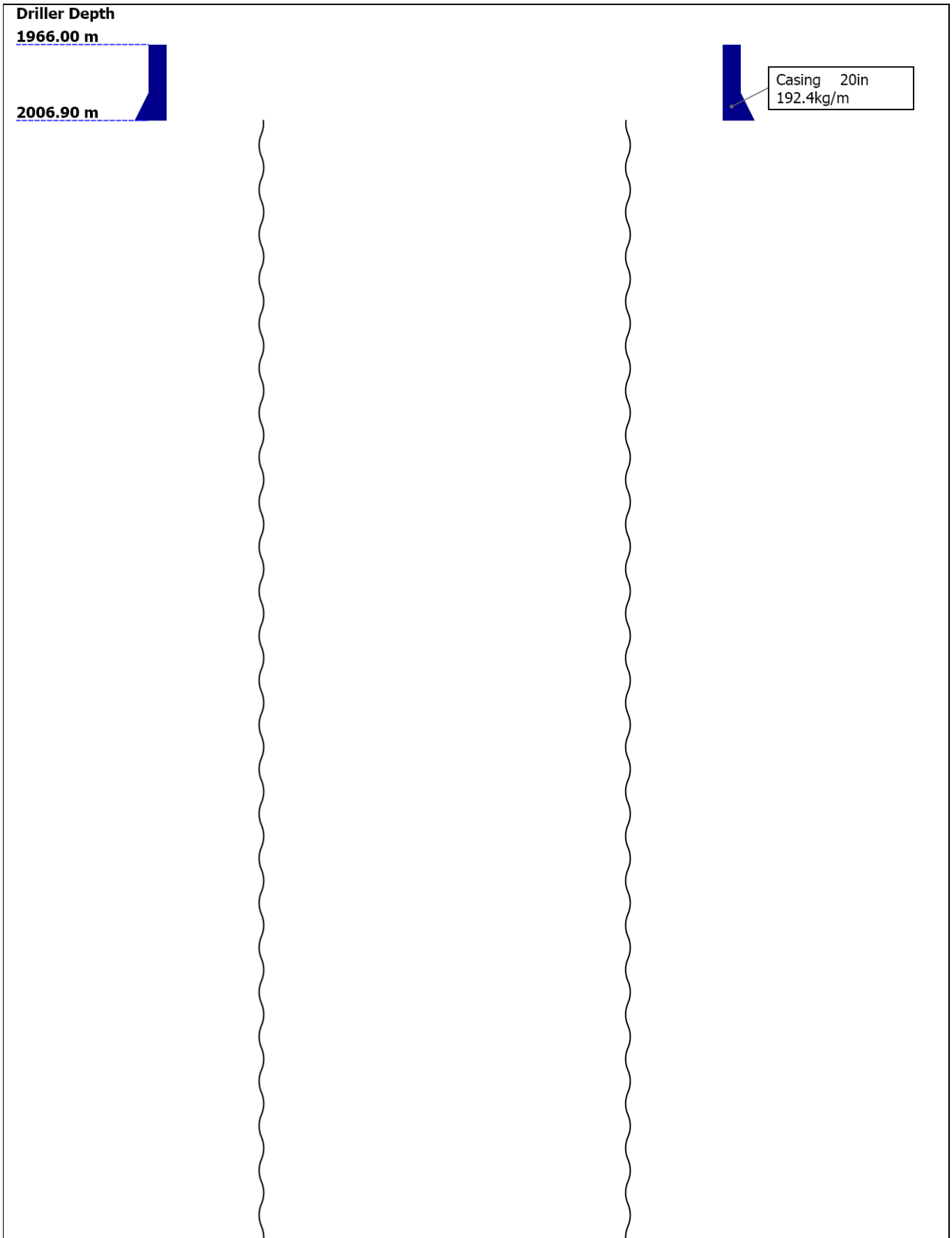


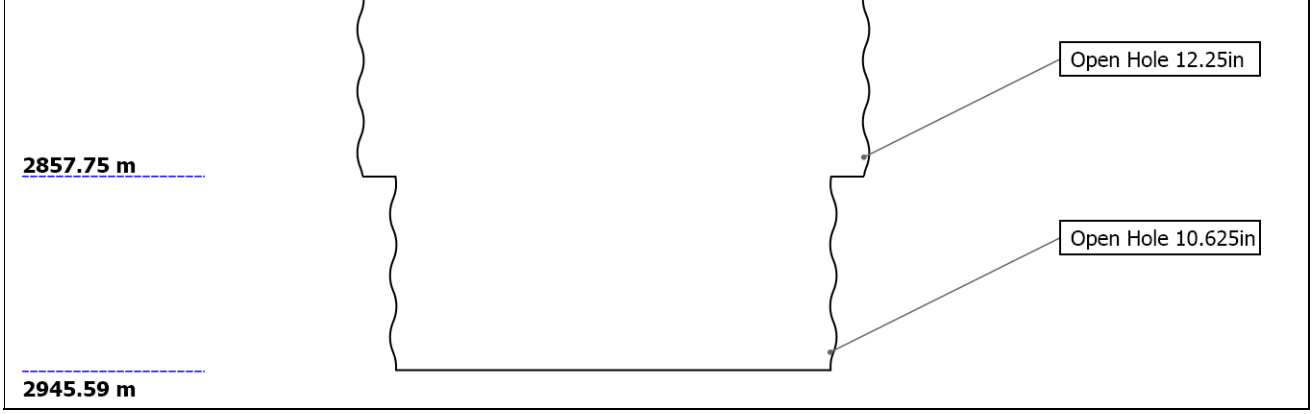
Country: Japan
State: Mie Prefecture
Rig Name: Chikyu
Field: Nankai Kumano Basin
Well: NT3-01
Company: JAMSTEC

Disclaimer

Content

Well Sketch





Borehole Size/Casing Record

Bit						
Bit Size (in)	12.25	10.625				
Bottom Driller (m)	2857.75	2945.59				
Casing						
Size (in)	20					
Weight (kg/m)	192.4					
Inner Diameter (in)	18.779					
Grade	X56					
Top Driller (m)	1966					
Bottom Driller (m)	2006.9					

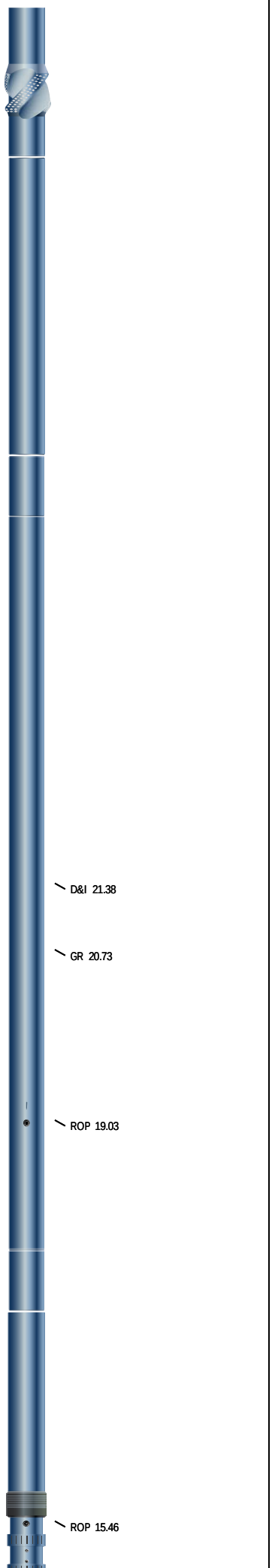
Operational Run Summary

Parameter (unit)	**1**	**2**				
Date Log Started	16-Nov-2010	19-Nov-2010				
Time Log Started	18:18:07	16:32:41				
Date Log Finished	19-Nov-2010	21-Nov-2010				
Time Log Finished	16:04:53	16:52:53				
Bit Size (in)	12.250	10.625				
Bit Start Depth (m)	2006.60	2857.78				
Bit Stop Depth (m)	2857.75	2945.59				
Top Log Interval (m)	2003.30	2843.17				
Bottom Log Interval (m)	2843.17	2941.78				
Max Hole Deviation (deg)	0.77	0.89				
Azimuth of Max Deviation (deg)	38.08	32.22				
Logging Unit Number	OLU-KC-0504	OLU-KC-0504				
Logging Unit Location	Zone 3	Zone 3				
Recorded By	Yu Ito/Kikuko Iwama	Yu Ito/ Kikuko Iwama				
Witnessed By	Yoshio Ikeda	Yoshio Ikeda				
Service Order Number	10JAP0004	10JAP0004				

Remarks and Equipment Summary

1: Remarks	2: Remarks
1: Toolstring	2: Toolstring

1. Toolstring



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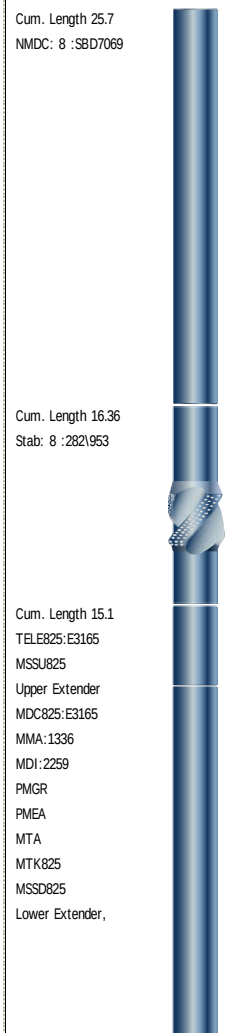
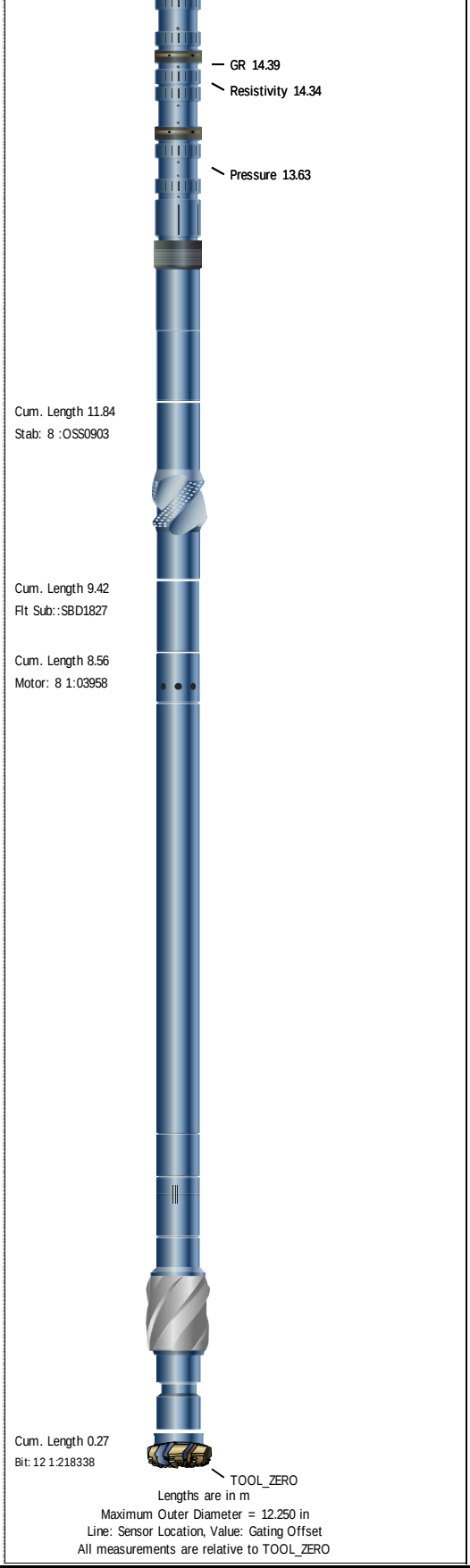
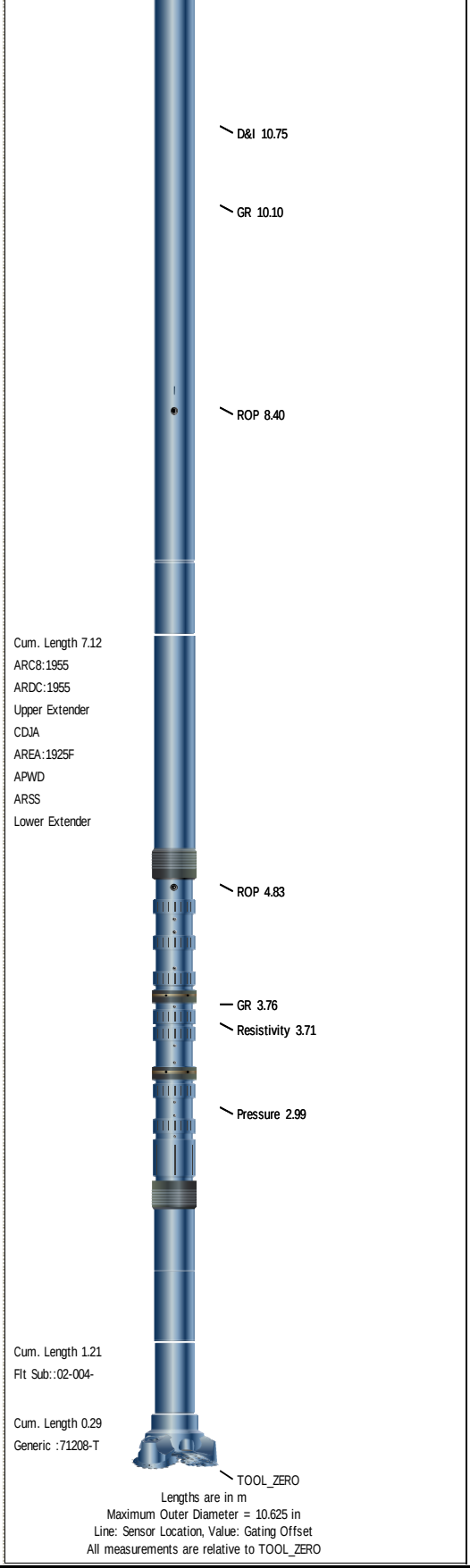






Survey Record

Survey Calculation

Method :	Minimum Radius of Curvature	DLS Method :	Lubinski
North Reference :	Grid North	Total Correction Formula :	Magnetic Dec - Grid Convergence
Grid Convergence :	1.01 deg		

Rig Location

Latitude :	33° 18' 0.756" N	Longitude :	136° 38' 8.928" E

Tie In Point

Measured Depth:	0.00 m	Inclination:	0.00 deg	Azimuth:	0.00 deg
True Veritcal 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 - 1

Geomagnetic Model :	BGGM 2009	Geomagnetic Date :	13-Nov-2010
Computed Location B :	45915.09 nT +/- 300.00nT	Used Location B :	45915.09 nT +/- 300.00nT
Computed Location G :	9.80 m/s2 +/- 0.02m/s2	Used Location G :	9.80 m/s2 +/- 0.02m/s2
Computed Magnetic Dip :	46.76 deg +/- 0.45deg	Used Magnetic Dip :	46.76 deg +/- 0.45deg
Computed Magnetic Dec :	-6.58 deg	Used Magnetic Dec :	-6.58 deg
Computed Total Correction :	-7.59 deg	Used Total Correction :	-7.59 deg

D&I Inits Computed and Values Used - 2

Geomagnetic Model :	BGGM 2009	Geomagnetic Date :	20-Nov-2010
Computed Location B :	45915.72 nT +/- 300.00nT	Used Location B :	45915.72 nT +/- 300.00nT
Computed Location G :	9.80 m/s2 +/- 0.02m/s2	Used Location G :	9.80 m/s2 +/- 0.02m/s2
Computed Magnetic Dip :	46.76 deg +/- 0.45deg	Used Magnetic Dip :	46.76 deg +/- 0.45deg
Computed Magnetic Dec :	-6.58 deg	Used Magnetic Dec :	-6.58 deg
Computed Total Correction :	-7.59 deg	Used Total Correction :	-7.59 deg

Survey Quality Index

0 : Long, passed all criteria 3 : Long, failed G criteria 4 : Long, failed all criteria

9 : Manual

Survey Correction Index

0 : No correction

Seq	MD (m)	Incl (deg)	Azim (deg)	Course (m)	TVD (m)	V Sec (m)	N/ -S (m)	E/ -W (m)	Closure (m)	at Azi (deg)	DLS deg/30m	Tool Type	QI	CI
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP		
2	1966.00	0.00	0.00	1966.00	1966.00	0.00	0.00	0.00	0.00	90.00	0.00	Other	9	
3	2012.75	0.33	215.43	46.75	2012.75	-0.11	-0.11	-0.08	0.13	215.43	0.21	TeleScope	4	0
4	2052.34	0.09	294.07	39.58	2052.33	-0.19	-0.19	-0.17	0.25	222.39	0.24	TeleScope	0	0
5	2091.49	0.27	262.16	39.15	2091.49	-0.19	-0.19	-0.29	0.35	237.25	0.15	TeleScope	0	0
6	2128.43	0.15	212.97	36.95	2128.43	-0.24	-0.24	-0.41	0.47	239.24	0.17	TeleScope	3	0
7	2166.16	0.14	272.11	37.73	2166.16	-0.28	-0.28	-0.48	0.56	239.55	0.12	TeleScope	0	0
8	2204.01	0.34	262.46	37.85	2204.01	-0.30	-0.30	-0.64	0.70	245.23	0.16	TeleScope	0	0
9	2243.14	0.26	327.53	39.13	2243.13	-0.24	-0.24	-0.80	0.84	253.57	0.25	TeleScope	0	0
10	2281.39	0.28	314.51	38.25	2281.38	-0.10	-0.10	-0.92	0.92	263.86	0.05	TeleScope	0	0
11	2320.23	0.08	0.06	38.85	2320.23	0.00	0.00	-0.99	0.99	269.78	0.18	TeleScope	0	0
12	2358.29	0.27	359.35	38.06	2358.29	0.11	0.11	-0.99	0.99	276.54	0.15	TeleScope	0	0
13	2395.06	0.37	334.98	36.77	2395.06	0.31	0.31	-1.04	1.08	286.56	0.14	TeleScope	0	0
14	2436.94	0.22	8.62	41.89	2436.94	0.51	0.51	-1.08	1.20	295.25	0.16	TeleScope	0	0
15	2473.67	0.31	337.62	36.73	2473.67	0.67	0.67	-1.11	1.30	301.16	0.14	TeleScope	0	0
16	2509.82	0.42	339.03	36.14	2509.81	0.89	0.89	-1.20	1.49	306.51	0.09	TeleScope	0	0
17	2549.35	0.44	18.06	39.53	2549.34	1.16	1.16	-1.20	1.67	314.10	0.22	TeleScope	0	0
18	2588.00	0.34	340.82	38.66	2588.00	1.41	1.41	-1.19	1.85	319.81	0.21	TeleScope	0	0
19	2626.70	0.49	9.69	38.70	2626.70	1.68	1.68	-1.20	2.07	324.43	0.20	TeleScope	0	0
20	2663.60	0.54	7.50	36.90	2663.59	2.01	2.01	-1.15	2.31	330.14	0.05	TeleScope	3	0
21	2701.64	0.67	36.16	38.04	2701.63	2.36	2.36	-1.00	2.57	337.13	0.26	TeleScope	0	0
22	2739.45	0.77	38.08	37.80	2739.43	2.74	2.74	-0.71	2.83	345.50	0.08	TeleScope	0	0
23	2776.32	0.55	35.64	36.87	2776.30	3.08	3.08	-0.45	3.12	351.66	0.18	TeleScope	3	0
24	2815.07	0.61	47.29	38.75	2815.05	3.38	3.38	-0.19	3.38	356.73	0.10	TeleScope	3	0
25	2835.39	0.73	29.17	20.32	2835.37	3.56	3.56	-0.05	3.56	359.18	0.36	TeleScope	3	0
26	2858.37	0.89	32.22	22.99	2858.35	3.84	3.84	0.12	3.84	1.73	0.22	TeleScope	0	0

27	2896.18	0.77	14.92	37.81	2896.15	4.33	4.33	0.34	4.35	4.46	0.22	TeleScope	3	0
28	2932.88	0.38	133.08	36.70	2932.85	4.49	4.49	0.49	4.52	6.22	0.82	TeleScope	3	0

Well Composite

NT3-01 Well Composite 1:500MD

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit

Software Version

Acquisition System	Version
MaxWell	2.0.6803.0

Computation	Description	Version
ARC8GammaRayComputation	ARC8 Gamma Ray Computation Package for both Real-time and Recorded Mode	2.0.6803.0
ARCResistivity	ARC Resistivity Computation Package for ARC Tool Family	2.0.6803.0

Tool Elements	Description	Software Version	Firmware Version
ARDC	ARC 8.25 Inch Tool Drilling Collar	2.0.6803.0	V9.4B
DRILLING_SURFACE	DRILLING_SURFACE	2.0.6803.0	

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Acquisition Start Date	Acquisition Start Time
1	Drilling	Down	2006.60 m	2857.75 m	17-Nov-2010	09:17:52
2	Drilling	Down	2857.78 m	2945.59 m	19-Nov-2010	16:32:41
2	Ream Up 1	Up	2831.59 m	2861.79 m	21-Nov-2010	04:46:24

All depths are referenced to toolstring zero

Log

Well Composite C4C4B69A-91B7-4A79-B227-FAFAB02E40A3

Description: ARC Dual Frequency 3-Log Resistivity Format: Log (ARC Dual Resistivity 3-Log) Index Scale: 1:500 Index Unit: m Index Type: Measured Depth
Creation Date: 08-Dec-2010 10:02:57

A16H	ARC[1]:ARC[1]:ARDC[1]	6in - RM
A22H	ARC[1]:ARC[1]:ARDC[1]	6in - RM
A28H	ARC[1]:ARC[1]:ARDC[1]	6in - RM
A34H	ARC[1]:ARC[1]:ARDC[1]	6in - RM
A40H	ARC[1]:ARC[1]:ARDC[1]	6in - RM
GR	ARC[1]:ARC[1]:ARDC[1]	6in - RM
P16H	ARC[1]:ARC[1]:ARDC[1]	6in - RM
P16L	ARC[1]:ARC[1]:ARDC[1]	6in - RM
P22H	ARC[1]:ARC[1]:ARDC[1]	6in - RM
P22L	ARC[1]:ARC[1]:ARDC[1]	6in - RM
P28H	ARC[1]:ARC[1]:ARDC[1]	6in - RM
P28L	ARC[1]:ARC[1]:ARDC[1]	6in - RM
P34H	ARC[1]:ARC[1]:ARDC[1]	6in - RM
P34L	ARC[1]:ARC[1]:ARDC[1]	6in - RM
P40H	ARC[1]:ARC[1]:ARDC[1]	6in - RM
P40L	ARC[1]:ARC[1]:ARDC[1]	6in - RM
ROP	DRILLING_SURFACE	6in - RT
SHKR	ARC[1]:ARC[1]	6in - RM
TAB_RES	ARC[1]:ARC[1]:ARDC[1]	6in
TICKS_GR	ARC[1]:ARC[1]	1.2in - RM
TICKS_RES	ARC[1]:ARC[1]	1.2in - RM

TICKS_RES - Resistivity Tick Marks ARC[1] RM

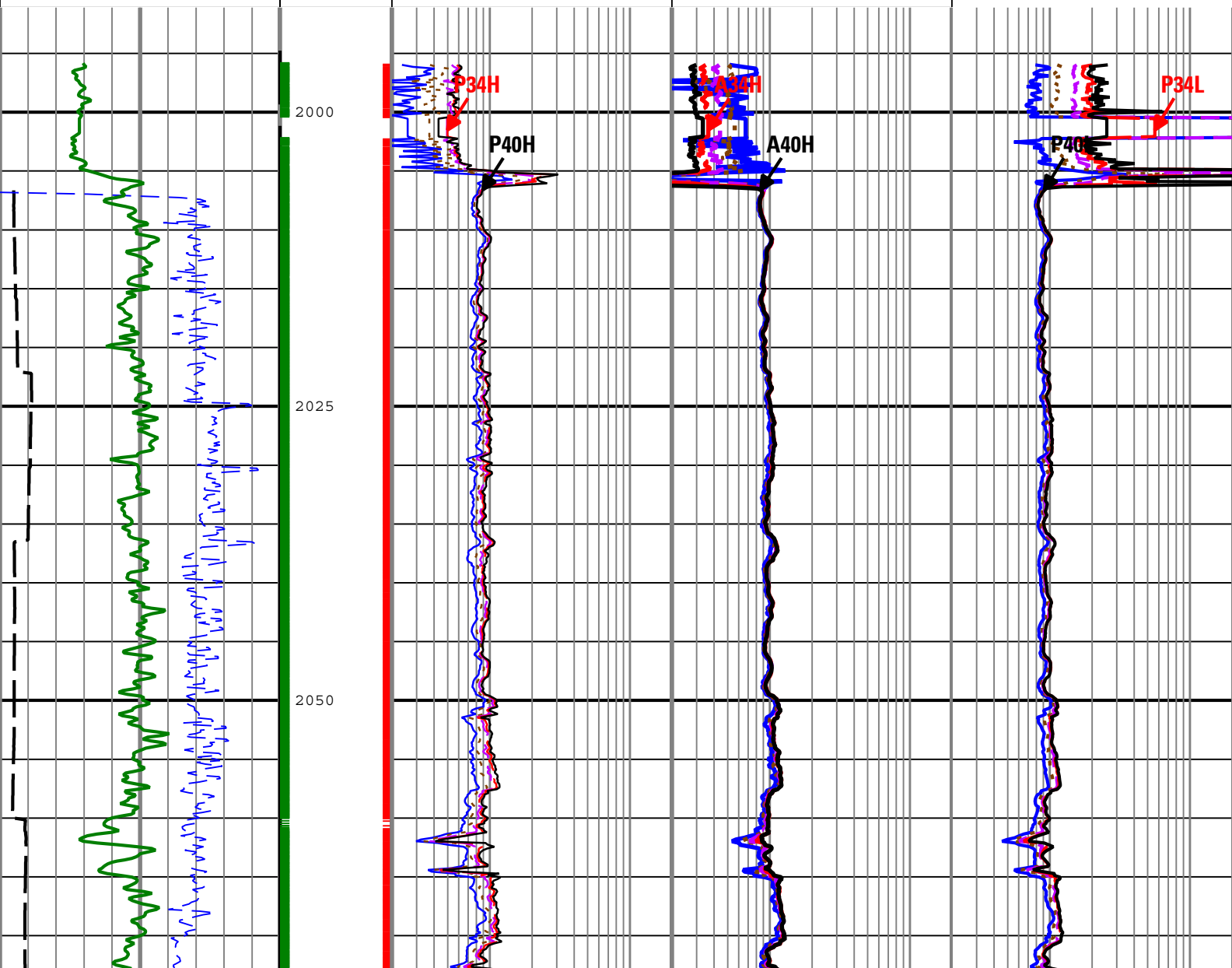
Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H) ARC[1] RM 0.2 ohm.m 20	Attenuation Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected (A16H) ARC[1] RM 0.2 ohm.m 20	Phase Shift Resistivity 16 inch Spacing at 400 KHz, Environmentally Corrected. (P16L) ARC[1] RM 0.2 ohm.m 20
Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H) ARC[1] RM 0.2 ohm.m 20	Attenuation Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected (A22H) ARC[1] RM 0.2 ohm.m 20	Phase Shift Resistivity 22 inch Spacing at 400 KHz, Environmentally Corrected. (P22L) ARC[1] RM 0.2 ohm.m 20
Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H) ARC[1] RM 0.2 ohm.m 20	Attenuation Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected (A28H) ARC[1] RM 0.2 ohm.m 20	Phase Shift Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected. (P28L) ARC[1] RM 0.2 ohm.m 20
Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H) ARC[1] RM 0.2 ohm.m 20	Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H) ARC[1] RM 0.2 ohm.m 20	Phase Shift Resistivity 34 inch Spacing at 400 KHz, Environmentally Corrected. (P34L) ARC[1] RM 0.2 ohm.m 20
Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H) ARC[1] RM 0.2 ohm.m 20	Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H) ARC[1] RM 0.2 ohm.m 20	Phase Shift Resistivity 40 inch Spacing at 400 KHz, Environmentally Corrected. (P40L) ARC[1] RM 0.2 ohm.m 20

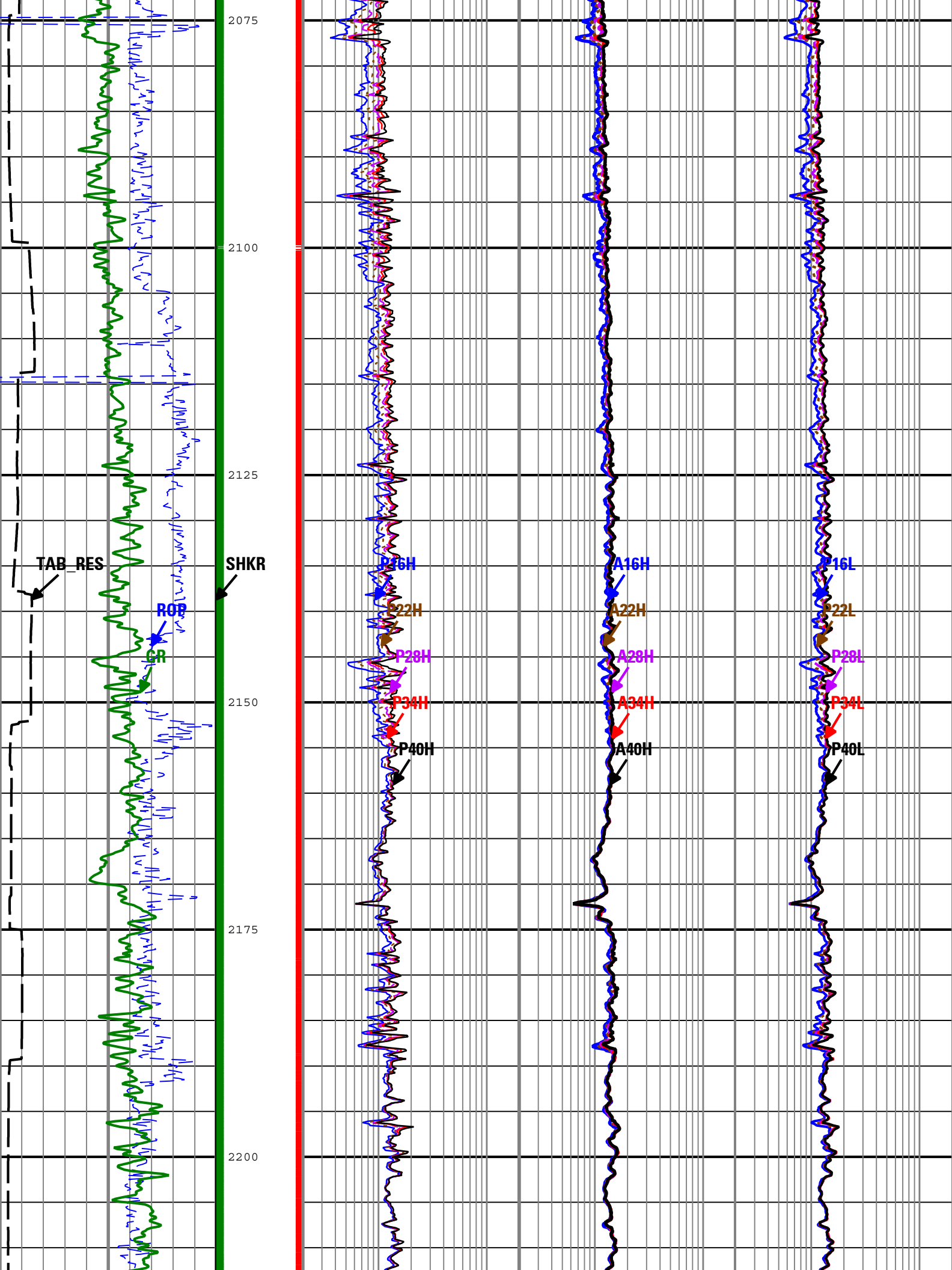
Resistivity Time After Bit (TAB_RES) ARC[1]
0 h 10

Rate of Penetration (ROP) RT
100 m/h 0

Gamma Ray (GR) ARC[1] RM
0 gAPI 100

Shock Rate (SHKR) ARC[1] RM
0 1/s 100

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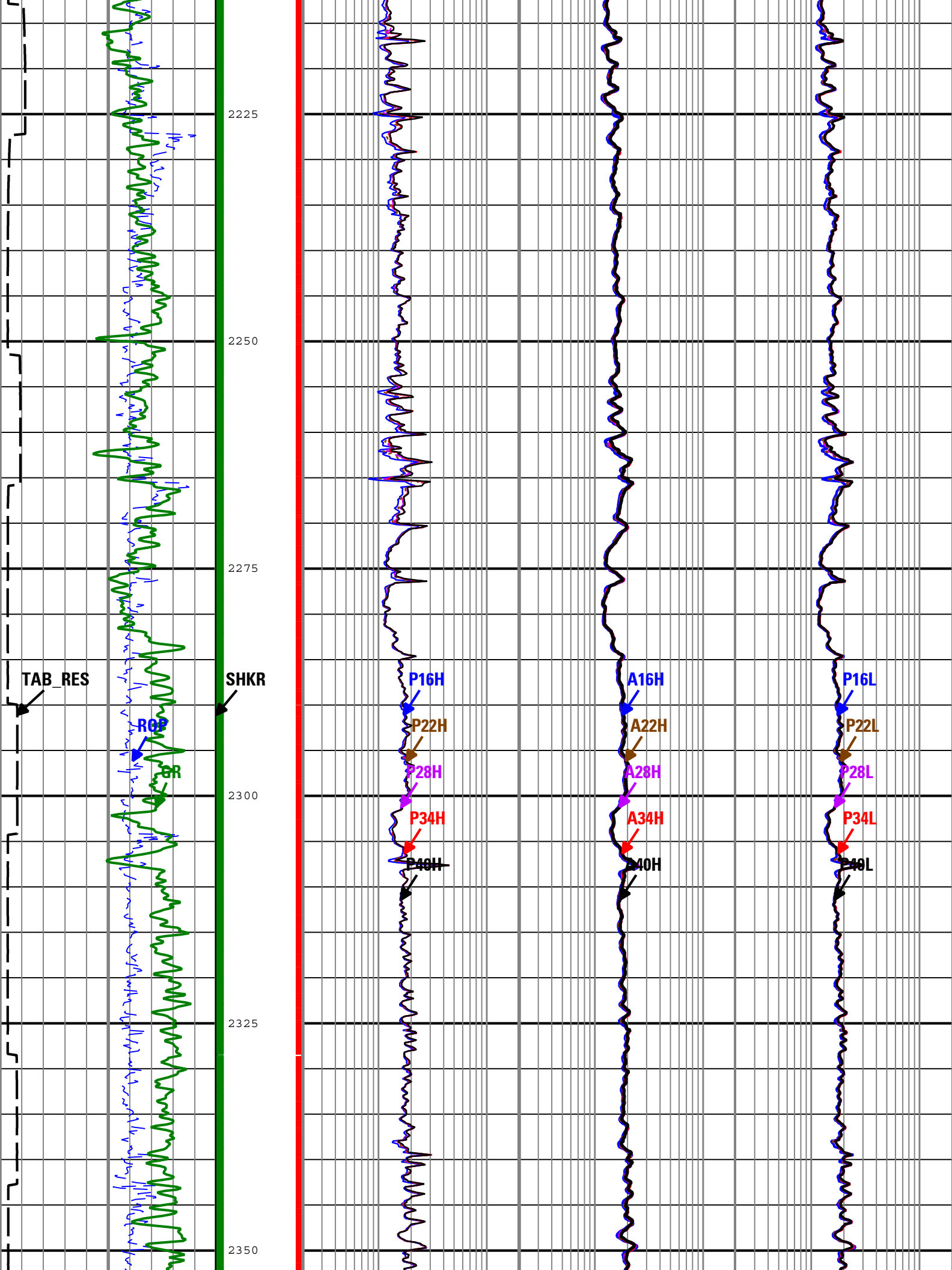
2175
2200
TAB_RES
SHKR
ROP
GR
P16H
P22H
P28H
P34H
P40H
A16H
A22H
A28H
A34H
A40H
P16L
P22L
P28L
P34L
P40L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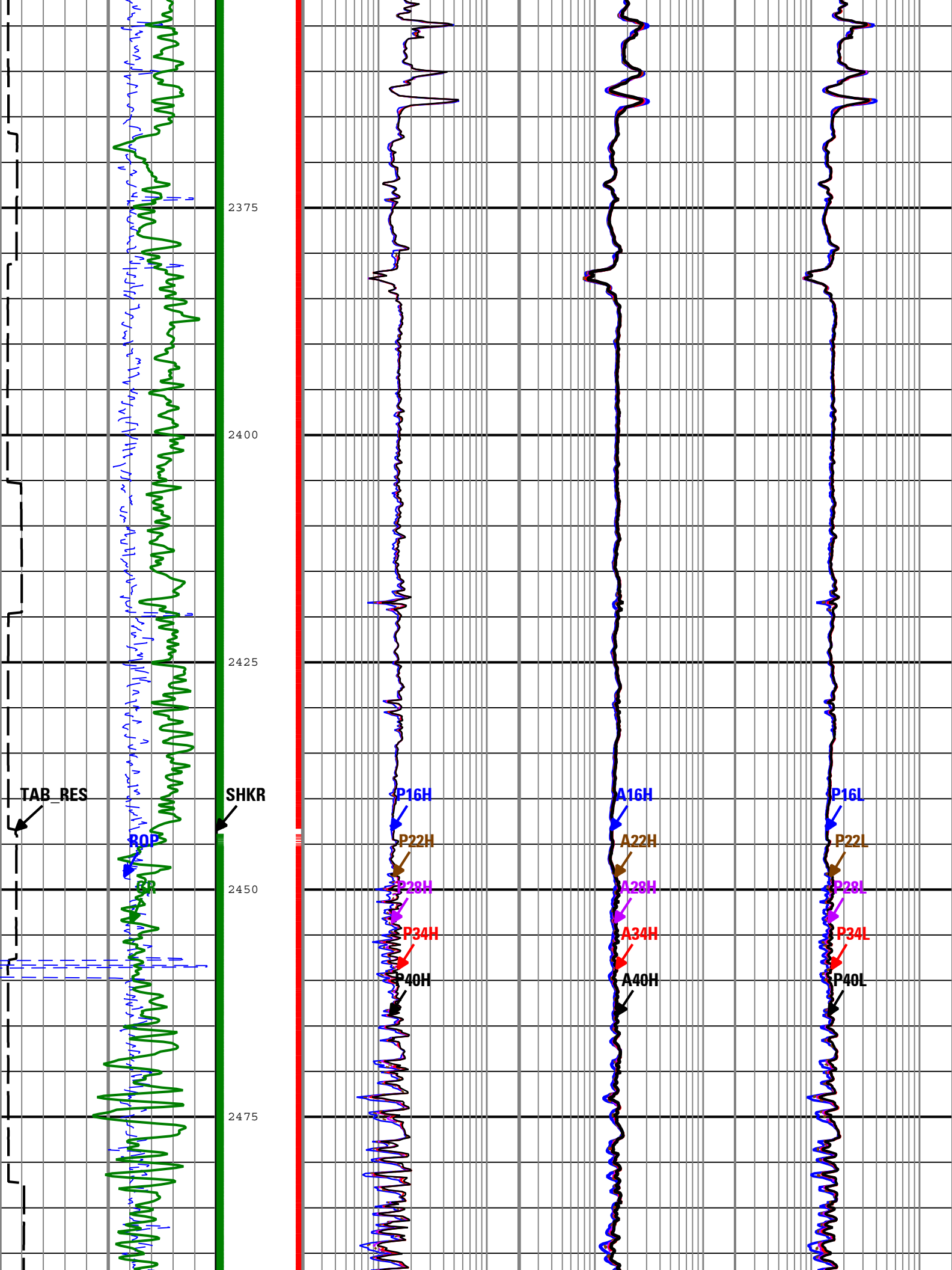
2275
2300
2325
2350
TAB_RES
SHKR
ROP
GR
P16H
P22H
P28H
P34H
P40H
A16H
A22H
A28H
A34H
A40H
P16L
P22L
P28L
P34L
P40L


2375
2400
2425
2450
2475
TAB_RES
SHKR
ROP
P16H
P22H
P28H
P34H
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P16L
P22L
P28L
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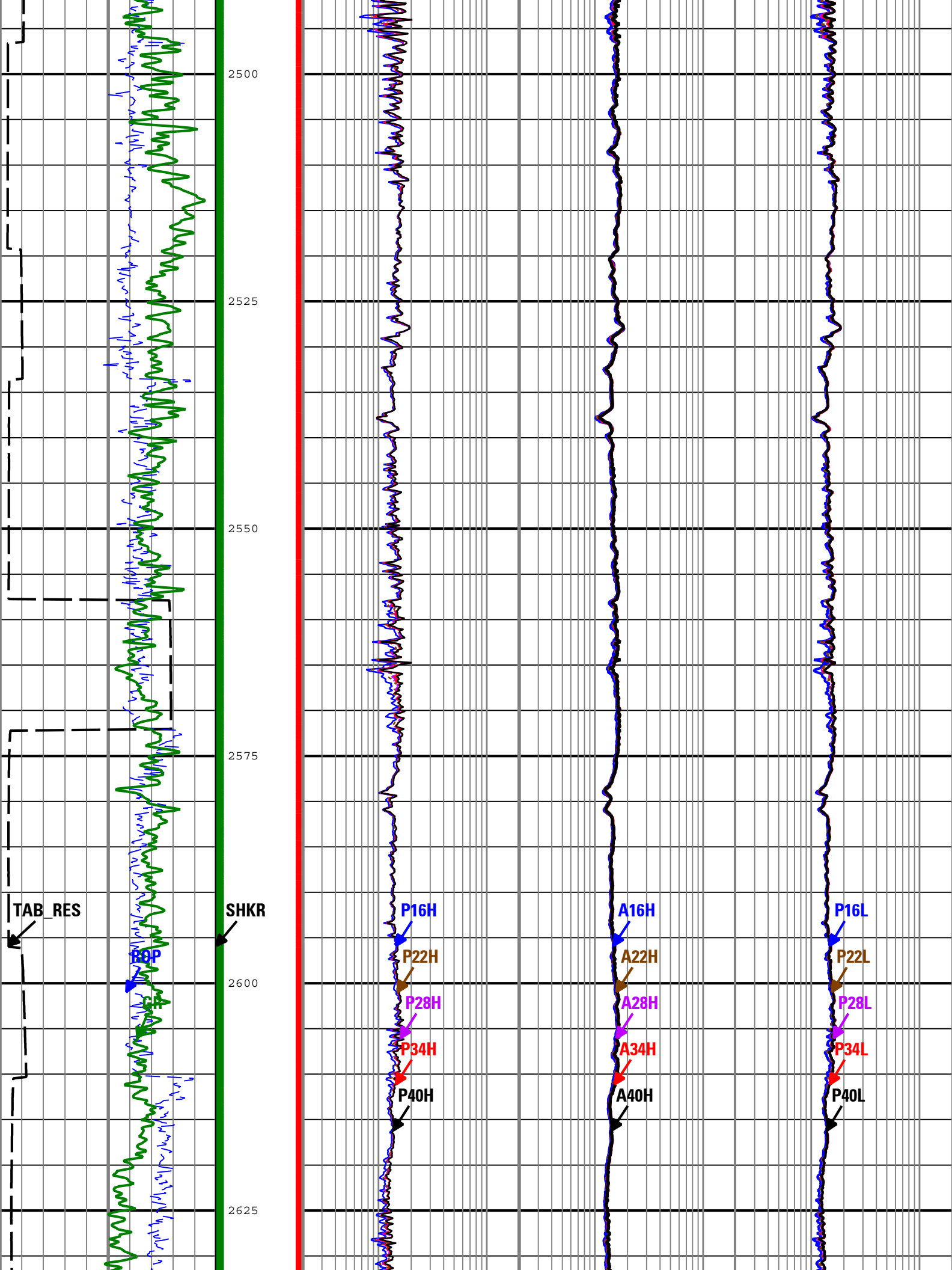
P40L


2500
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TAB_RES
SHKR
ROP
P16H
P22H
P28H
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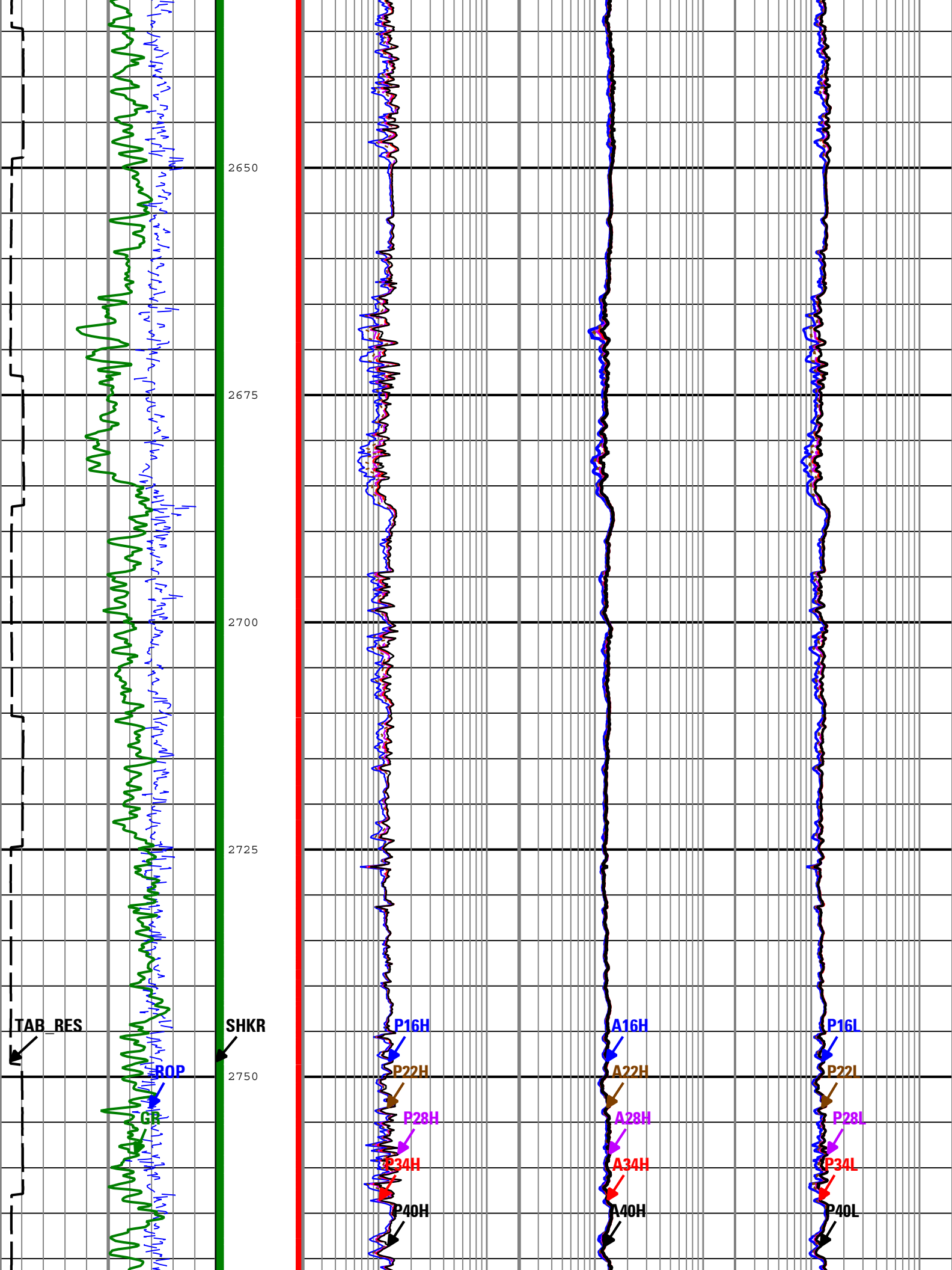
A40H
P16L
P22L
P28L
P34L
P40L


2650
2675
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TAB_RES
SHKR
ROP
GR
P16H
P22H
P28H
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P16L
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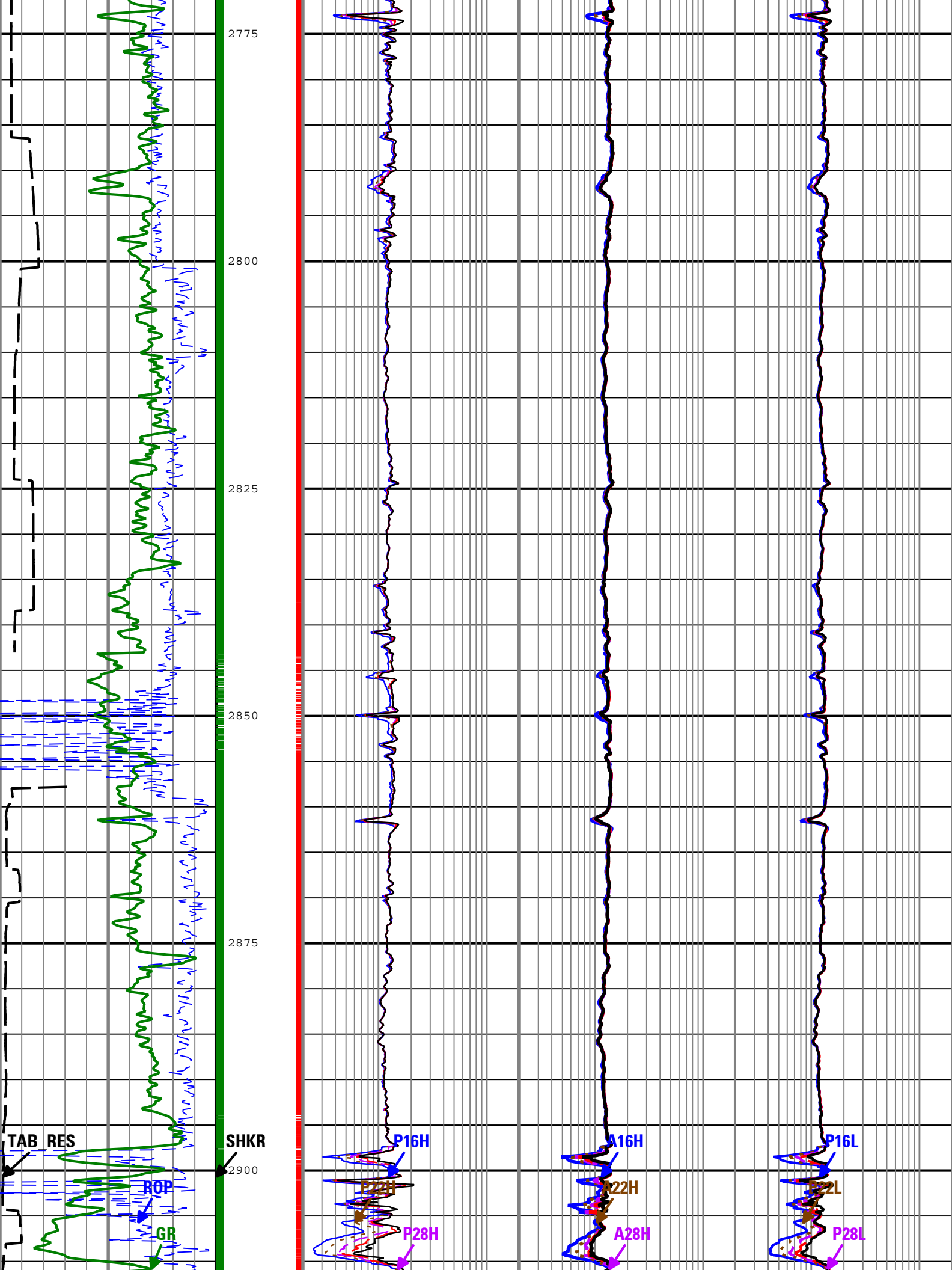
P40L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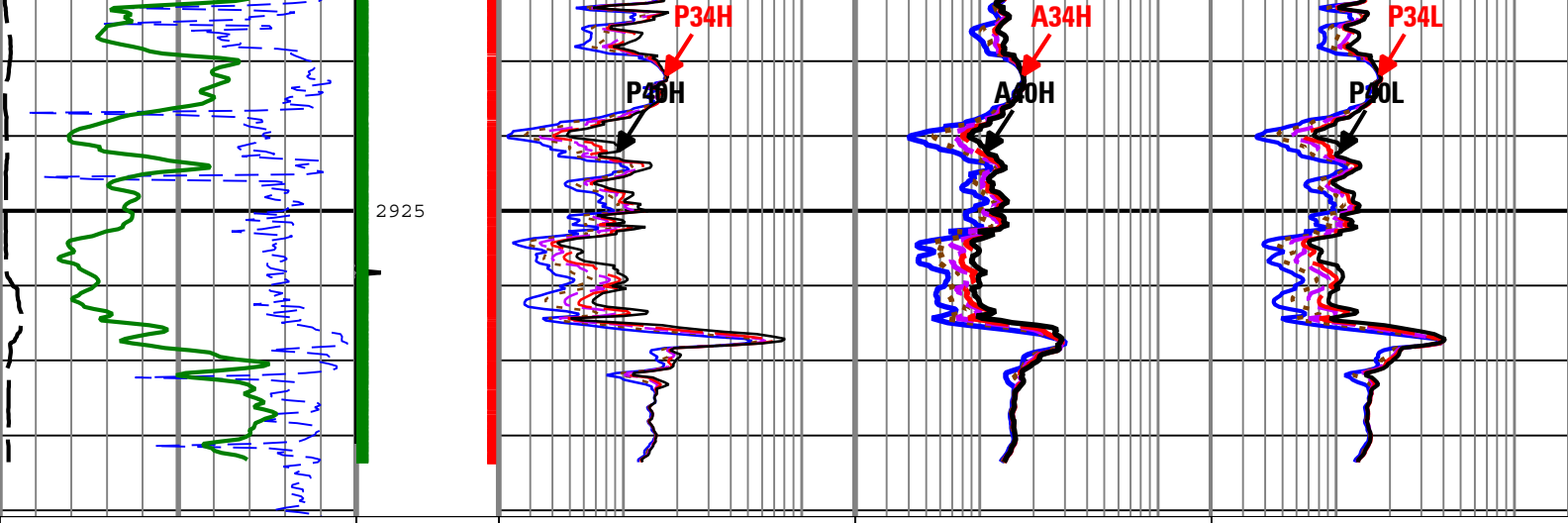
2800
2825
2850
2875
2900
TAB_RES
SHKR
ROP
GR
P16H
A16H
P16L
P22H
A22H
P22L
P28H
A28H
P28L



Resistivity Time After Bit (TAB_RES) ARC[1]	Shock Rate (SHKR) ARC[1] RM	Phase Shift Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected. (P16H) ARC[1] RM	Attenuation Resistivity 16 inch Spacing at 2 MHz, Environmentally Corrected (A16H) ARC[1] RM	Phase Shift Resistivity 16 inch Spacing at 400 KHz, Environmentally Corrected. (P16L) ARC[1] RM
0 h 10	0 1/s 100	0.2 ohm.m 20	0.2 ohm.m 20	0.2 ohm.m 20
Rate of Penetration (ROP) RT		Phase Shift Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected. (P22H) ARC[1] RM	Attenuation Resistivity 22 inch Spacing at 2 MHz, Environmentally Corrected (A22H) ARC[1] RM	Phase Shift Resistivity 22 inch Spacing at 400 KHz, Environmentally Corrected. (P22L) ARC[1] RM
100 m/h 0		0.2 ohm.m 20	0.2 ohm.m 20	0.2 ohm.m 20
Gamma Ray (GR) ARC[1] RM		Phase Shift Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected. (P28H) ARC[1] RM	Attenuation Resistivity 28 inch Spacing at 2 MHz, Environmentally Corrected (A28H) ARC[1] RM	Phase Shift Resistivity 28 inch Spacing at 400 KHz, Environmentally Corrected. (P28L) ARC[1] RM
0 gAPI 100		0.2 ohm.m 20	0.2 ohm.m 20	0.2 ohm.m 20
		Phase Shift Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected. (P34H) ARC[1] RM	Attenuation Resistivity 34 inch Spacing at 2 MHz, Environmentally Corrected (A34H) ARC[1] RM	Phase Shift Resistivity 34 inch Spacing at 400 KHz, Environmentally Corrected. (P34L) ARC[1] RM
		0.2 ohm.m 20	0.2 ohm.m 20	0.2 ohm.m 20
		Phase Shift Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (P40H) ARC[1] RM	Attenuation Resistivity 40 inch Spacing at 2 MHz, Environmentally Corrected. (A40H) ARC[1] RM	Phase Shift Resistivity 40 inch Spacing at 400 KHz, Environmentally Corrected. (P40L) ARC[1] RM
		0.2 ohm.m 20	0.2 ohm.m 20	0.2 ohm.m 20

TICKS_RES - Resistivity Tick Marks ARC[1] RM

TICKS_GR - Gamma Ray Tick Marks ARC[1] RM

Description: ARC Dual Frequency 3-Log Resistivity Format: Log (ARC Dual Resistivity 3-Log) Index Scale: 1:500 Index Unit: m Index Type: Measured Depth
Creation Date: 08-Dec-2010 10:02:57

Channel Processing Parameters

1: Parameters

Parameter	Description	ToolPath	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	0	%
BHT	Bottom Hole Temperature	Borehole	10	degC
BS	Bit Size	COMPLETION	Depth Zoned	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.02	g/cm3
DFT	Drilling Fluid Type	Borehole	Water	
GRSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS	
GTSE_RT	Generalized Temperature Selection for Realtime Mode	Borehole	GTEM_GRDSURF	
MST	Mud Sample Temperature	Borehole	20	degC
RMS	Resistivity of Mud Sample	Borehole	0.2	ohm.m

SHT	Surface Hole Temperature	Borehole	5	degC
TD	Total Measured Depth	Borehole	2858	m

1 : Depth Zoned Parameters

Parameter	Value	Start (m)	Stop (m)
BS	0	1991.11	2006.9
BS	12.25	2006.9	2857.75

All depth are actual.

2: Parameters

Parameter	Description	ToolPath	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	0	%
BHT	Bottom Hole Temperature	Borehole	10	degC
BS	Bit Size	COMPLETION	Depth Zoned	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.02	g/cm3
DFT	Drilling Fluid Type	Borehole	Water	
GRSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS	
GTSE_RT	Generalized Temperature Selection for Realtime Mode	Borehole	GTEM_GRDSURF	
MST	Mud Sample Temperature	Borehole	20	degC
RMS	Resistivity of Mud Sample	Borehole	0.2	ohm.m
SHT	Surface Hole Temperature	Borehole	12	degC
TD	Total Measured Depth	Borehole	2946	m

2 : Depth Zoned Parameters

Parameter	Value	Start (m)	Stop (m)
BS	12.25	2805.89	2857.75
BS	10.625	2857.75	2945.43

All depth are actual.

Tool Control Parameters

1: Parameters

Parameter	Description	ToolPath	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DnMWorkflow	0.3	m

2: Parameters

Parameter	Description	ToolPath	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DnMWorkflow	0.3	m

Detailed Calibration Record

ARC8 : Calibration Resistivity - 1

Primary Set Components	Description	Tool Element	Serial Number
	Electronics with AIM	AREA	1925F

Calibration Dates	Shop Calibration		
Date & Time / Date Validity	06-Oct-2010 02:42:57 PM - Valid		
Calibration Source	Time Frame File		

Calibration Type: **Resistivity: Air**

Description	Min/Nominal/Max	Shop	Unit
ATT1F2AIR Attenuation T1 at 2 MHz	6.500 / 8.500 / 10.500	7.873	dB
ATT2F2AIR Attenuation T2 at 2 MHz	4.500 / 6.500 / 8.500	6.779	dB
ATT3F2AIR Attenuation T3 at 2 MHz	2.500 / 4.500 / 6.500	4.591	dB
ATT4F2AIR	2.600 / 4.600 / 6.600	4.742	dB

Attenuation T4 at 2 MHz			
ATT5F2AIR Attenuation T5 at 2 MHz	1.600 / 3.600 / 5.600	3.183	dB
PST1F2AIR Phase Shift T1 at 2 MHz	-3.900 / 0.100 / 4.100	-1.087	deg
PST2F2AIR Phase Shift T2 at 2 MHz	-3.900 / 0.100 / 4.100	1.170	deg
PST3F2AIR Phase Shift T3 at 2 MHz	-3.900 / 0.100 / 4.100	-1.186	deg
PST4F2AIR Phase Shift T4 at 2 MHz	-3.900 / 0.100 / 4.100	1.161	deg
PST5F2AIR Phase Shift T5 at 2 MHz	-3.900 / 0.100 / 4.100	-1.211	deg
ATT1F4AIR Attenuation T1 at 400 KHz	6.500 / 8.500 / 10.500	7.903	dB
ATT2F4AIR Attenuation T2 at 400 KHz	4.500 / 6.500 / 8.500	6.762	dB
ATT3F4AIR Attenuation T3 at 400 KHz	2.500 / 4.500 / 6.500	4.619	dB
ATT4F4AIR Attenuation T4 at 400 KHz	2.600 / 4.600 / 6.600	4.713	dB
ATT5F4AIR Attenuation T5 at 400 KHz	1.600 / 3.600 / 5.600	3.223	dB
PST1F4AIR Phase Shift T1 at 400 KHz	-3.900 / 0.100 / 4.100	1.897	deg
PST2F4AIR Phase Shift T2 at 400 KHz	-3.900 / 0.100 / 4.100	-2.010	deg
PST3F4AIR Phase Shift T3 at 400 KHz	-3.900 / 0.100 / 4.100	1.940	deg
PST4F4AIR Phase Shift T4 at 400 KHz	-3.900 / 0.100 / 4.100	-1.978	deg
PST5F4AIR Phase Shift T5 at 400 KHz	-3.900 / 0.100 / 4.100	1.890	deg

ARC8 : Calibration Gamma Ray - 1

Primary Set Components	Description	Tool Element	Serial Number
	Electronics with AIM	AREA	1925F

Calibration Dates	Shop Calibration		
Date & Time / Date Validity	06-Oct-2010 04:40:52 PM - Valid		
Calibration Source	Time Frame File		

Calibration Type: Gamma Ray: Blanket

Description	Min/Nominal/Max	Shop	Unit
GR_GAIN Gamma Ray Calibration Gain	0.580 / 1.000 / 1.250	1.017	

ARC8 : Calibration Resistivity - 2

Primary Set Components	Description	Tool Element	Serial Number
	Electronics with AIM	AREA	1925F

Calibration Dates	Shop Calibration		
Date & Time / Date Validity	06-Oct-2010 02:42:57 PM - Valid		
Calibration Source	Time Frame File		

Calibration Type: Resistivity: Air

Description	Min/Nominal/Max	Shop	Unit
ATT1F2AIR Attenuation T1 at 2 MHz	6.500 / 8.500 / 10.500	7.873	dB
ATT2F2AIR Attenuation T2 at 2 MHz	4.500 / 6.500 / 8.500	6.779	dB
ATT3F2AIR Attenuation T3 at 2 MHz	2.500 / 4.500 / 6.500	4.591	dB
ATT4F2AIR Attenuation T4 at 2 MHz	2.600 / 4.600 / 6.600	4.742	dB
ATT5F2AIR Attenuation T5 at 2 MHz	1.600 / 3.600 / 5.600	3.183	dB
PST1F2AIR Phase Shift T1 at 2 MHz	-3.900 / 0.100 / 4.100	-1.087	deg
PST2F2AIR Phase Shift T2 at 2 MHz	-3.900 / 0.100 / 4.100	1.170	deg

PST3F2AIR Phase Shift T3 at 2 MHz	-3.900 / 0.100 / 4.100	-1.186	deg
PST4F2AIR Phase Shift T4 at 2 MHz	-3.900 / 0.100 / 4.100	1.161	deg
PST5F2AIR Phase Shift T5 at 2 MHz	-3.900 / 0.100 / 4.100	-1.211	deg
ATT1F4AIR Attenuation T1 at 400 KHz	6.500 / 8.500 / 10.500	7.903	dB
ATT2F4AIR Attenuation T2 at 400 KHz	4.500 / 6.500 / 8.500	6.762	dB
ATT3F4AIR Attenuation T3 at 400 KHz	2.500 / 4.500 / 6.500	4.619	dB
ATT4F4AIR Attenuation T4 at 400 KHz	2.600 / 4.600 / 6.600	4.713	dB
ATT5F4AIR Attenuation T5 at 400 KHz	1.600 / 3.600 / 5.600	3.223	dB
PST1F4AIR Phase Shift T1 at 400 KHz	-3.900 / 0.100 / 4.100	1.897	deg
PST2F4AIR Phase Shift T2 at 400 KHz	-3.900 / 0.100 / 4.100	-2.010	deg
PST3F4AIR Phase Shift T3 at 400 KHz	-3.900 / 0.100 / 4.100	1.940	deg
PST4F4AIR Phase Shift T4 at 400 KHz	-3.900 / 0.100 / 4.100	-1.978	deg
PST5F4AIR Phase Shift T5 at 400 KHz	-3.900 / 0.100 / 4.100	1.890	deg

ARC8 : Calibration Gamma Ray - 2

Primary Set Components	Description	Tool Element	Serial Number
	Electronics with AIM	AREA	1925F

Calibration Dates	Shop Calibration		
Date & Time / Date Validity	06-Oct-2010 04:40:52 PM - Valid		
Calibration Source	Time Frame File		

Calibration Type: Gamma Ray: Blanket

Description	Min/Nominal/Max	Shop	Unit
GR_GAIN Gamma Ray Calibration Gain	0.580 / 1.000 / 1.250	1.017	

Company: JAMSTEC

MQJ

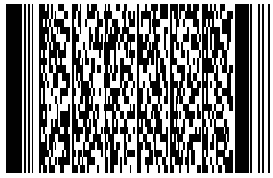
Well: NT3-01

Field: Nankai Kumano Basin

Rig Name: Chikyu

State: Mie Prefecture

Country: Japan



Schlumberger

ArcVISION Resitivity

Measured Depth, Scale 1:500

Recorded Mode Well Composite