

Schlumberger

PERFORM - Drilling Mechanics

2 in / hr Time Based

Real Time Log

Company: ExxonMobil Oil Corporation

Well: Piceance Creek Unit 197 34A7

Field: Piceance Creek

County: Rio Blanco

State: Colorado

Country: USA

Section: 34 APIN: 051031153800

Township: 1S Rig Name: H&P 325

Range: 97W Rig Type: Flex 4

FL:

Latitude: N 39° 55' 4.889", Longitude: W 108° 16' 34.956"

FL1: X: 1221360.0 ft, Y: 225172.0 ft

FL2: NAD 27 Colorado State Planes, Northern Zone, US Feet

Log Measured From - Drill Floor: 6518.0 ft

Ground Level: 6488.0 ft

Permanent Datum - Mean Sea Level

Other Services:

Directional Drilling

Acquisition Dates: 26 Mar 10 to 03 May 10

Print Interval: 3/26/2010 9:50:18 AM to 5/3/2010 6:38:11 PM

Index Types: Time

Index Scales: 2" / 3600 secs

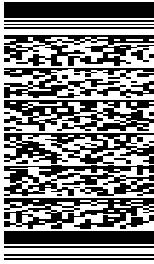
Depth Source: Driller's Depth

Depth Sensor: 3rd Party Depth

Conveyance: Drill Pipe

Print Type: Final

Spud Date: 03/26/2010



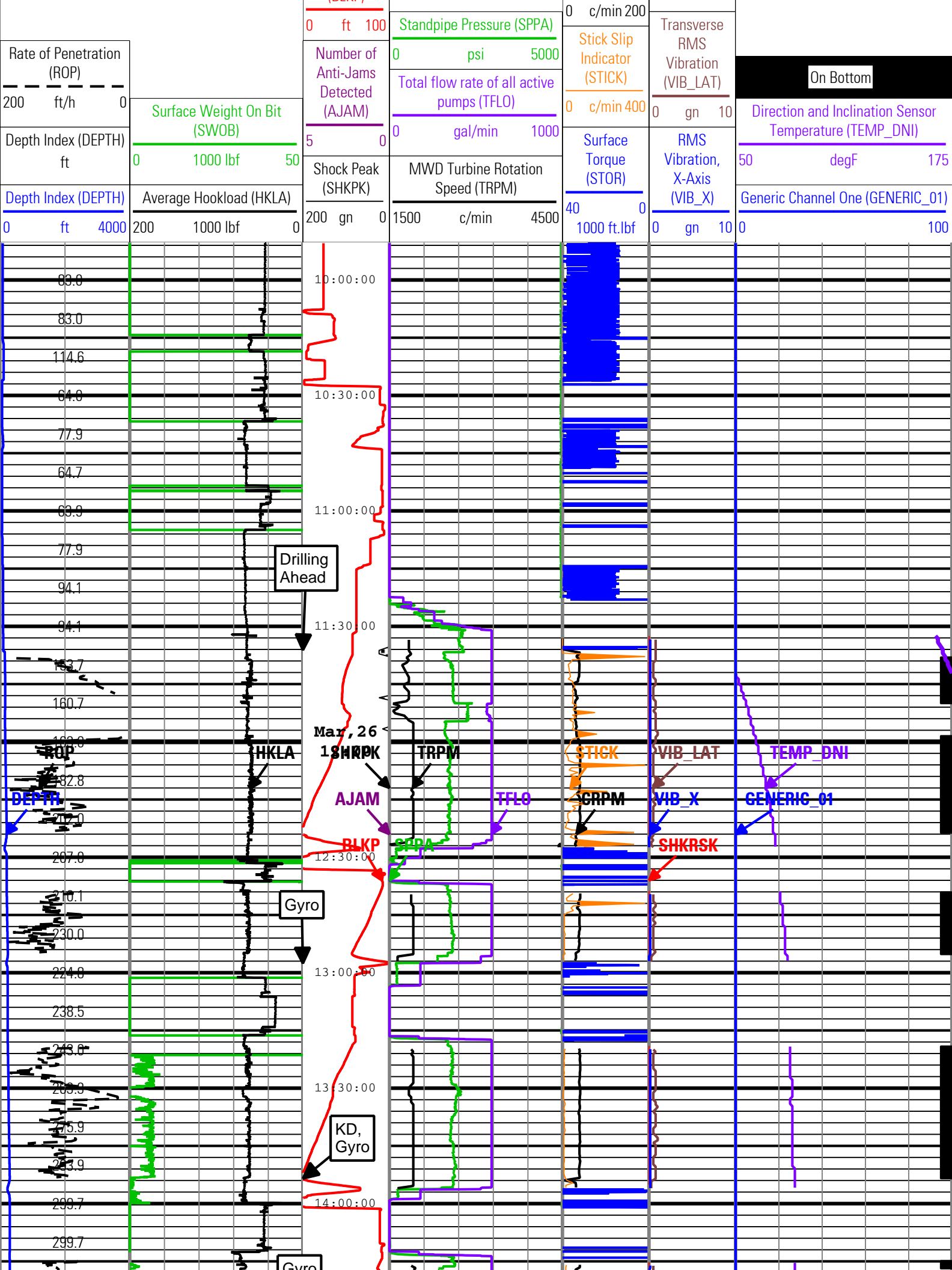
Disclaimer

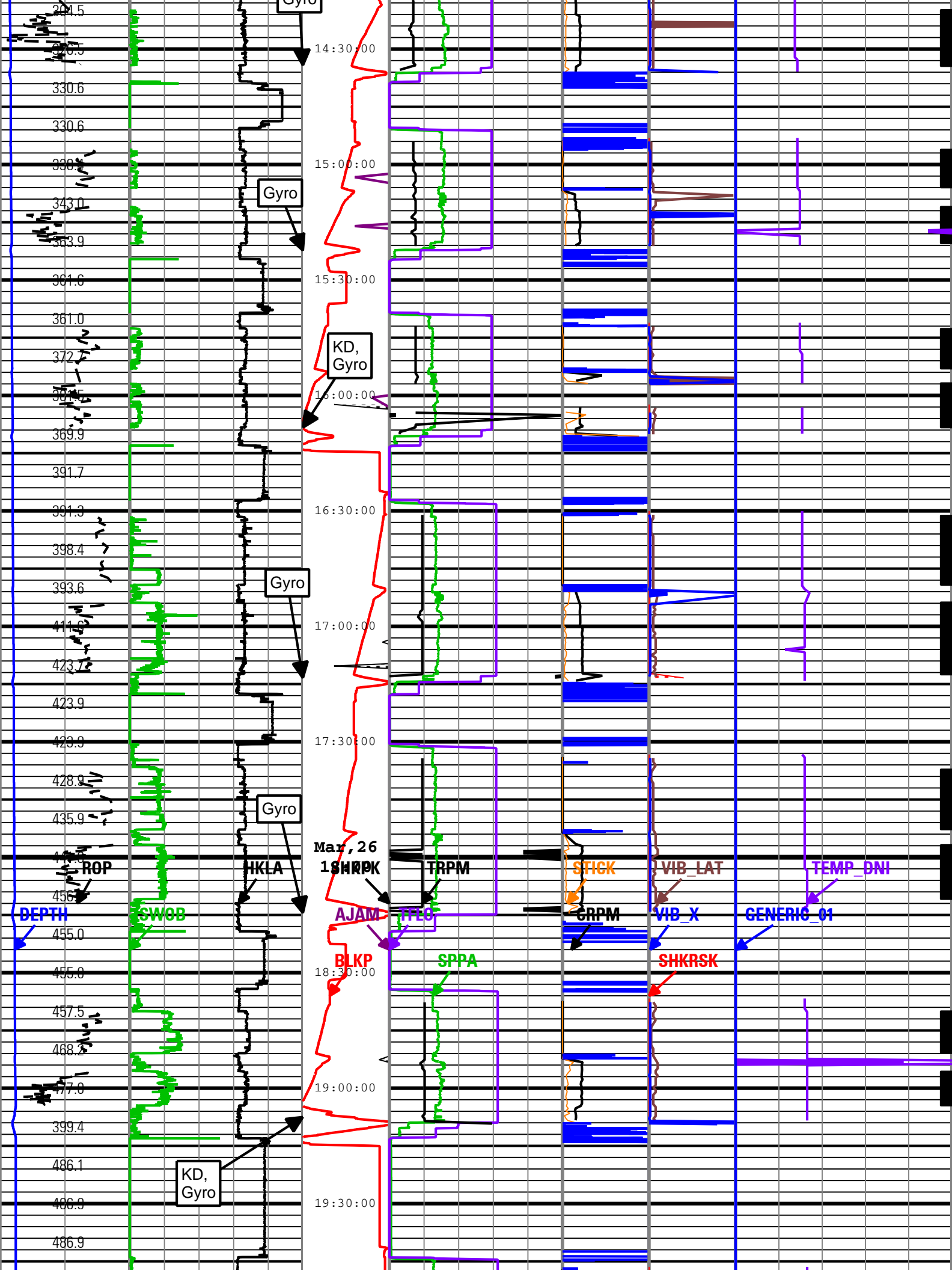
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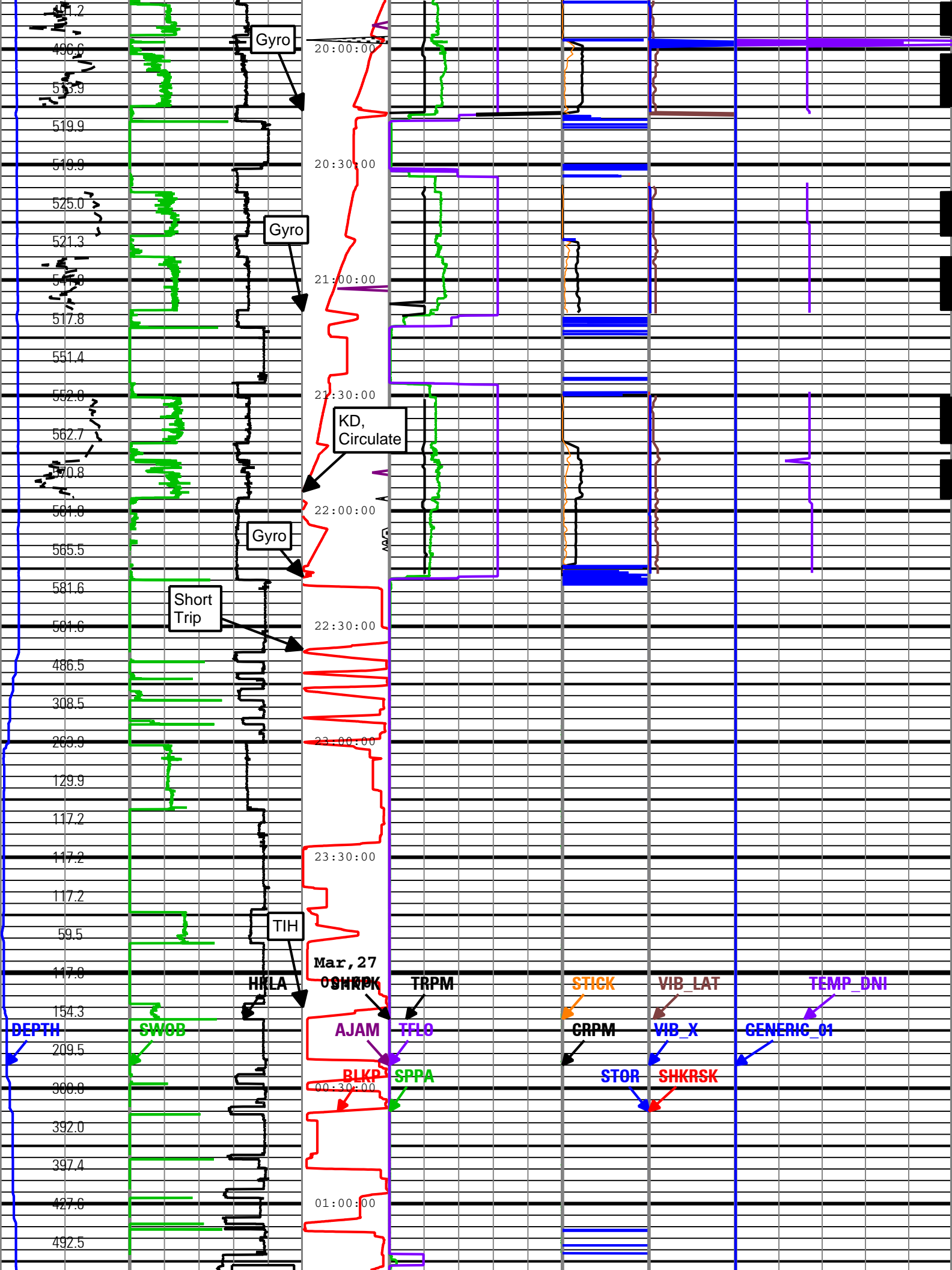
Contents

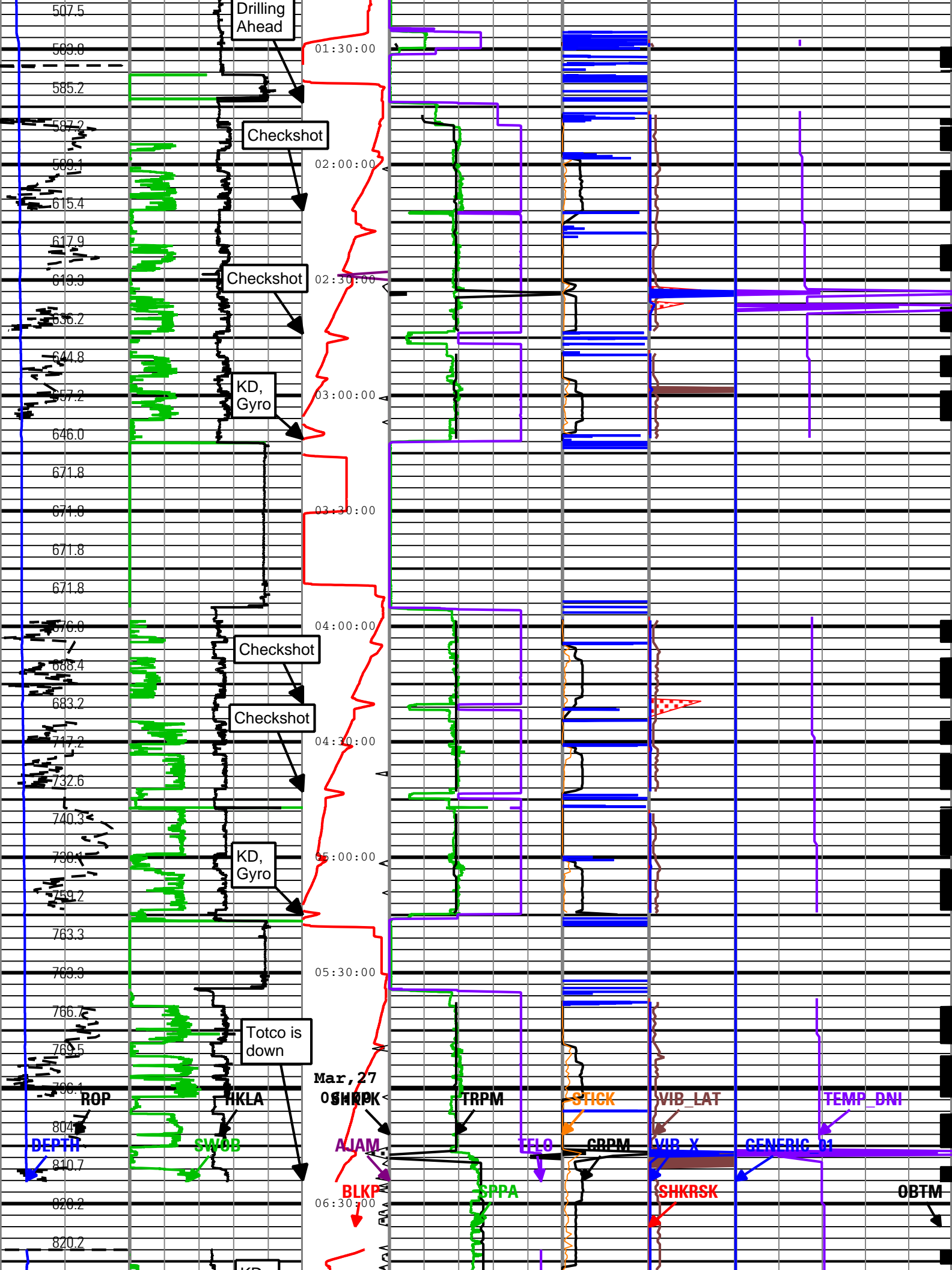
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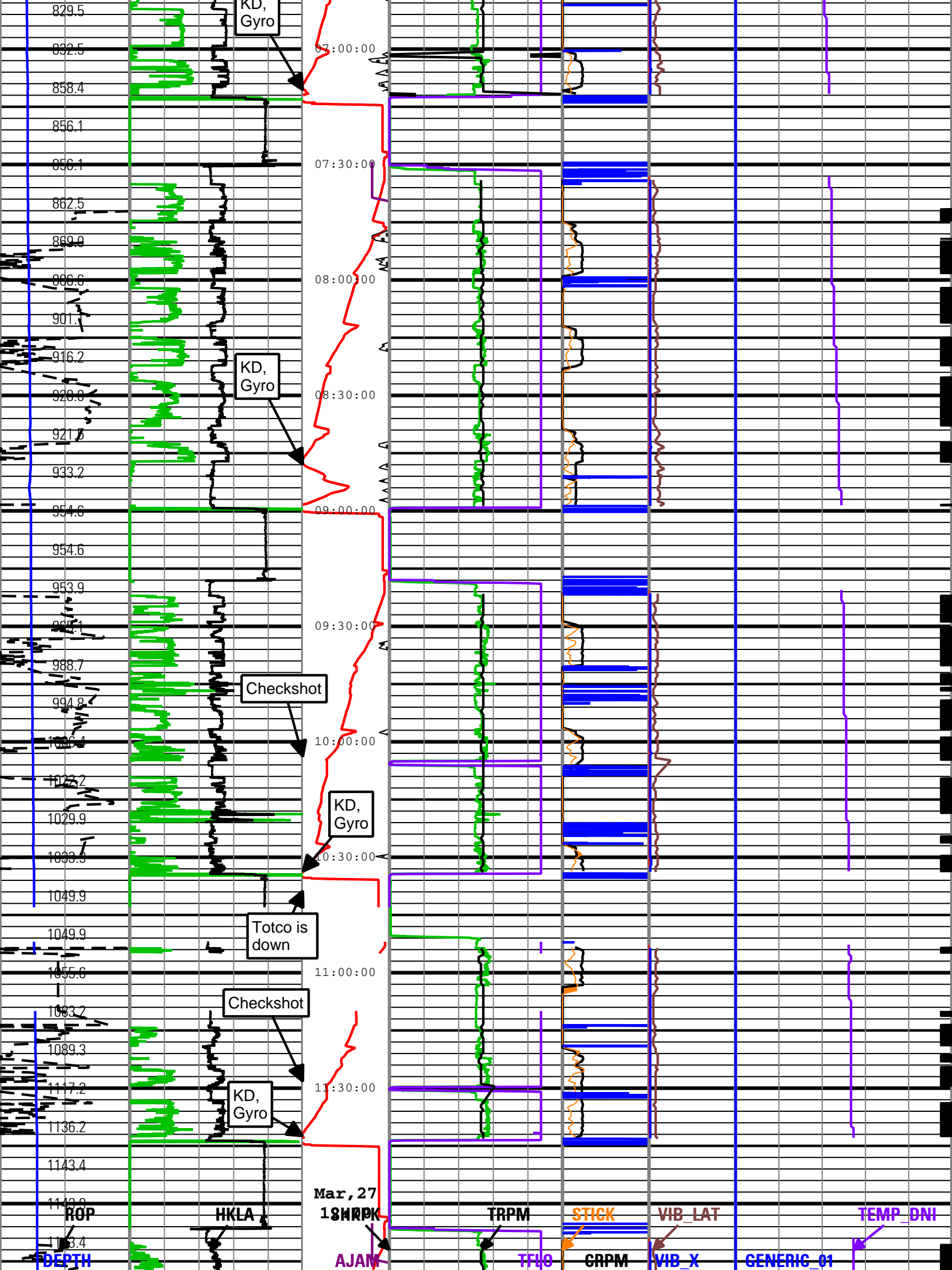
Shock Peak	High SticknSlip	Shock Risk
Height of block above rig floor (BJ KP)	Collar Rotational Speed (CRPM)	Shock Risk (SHKRSK)
	0	5

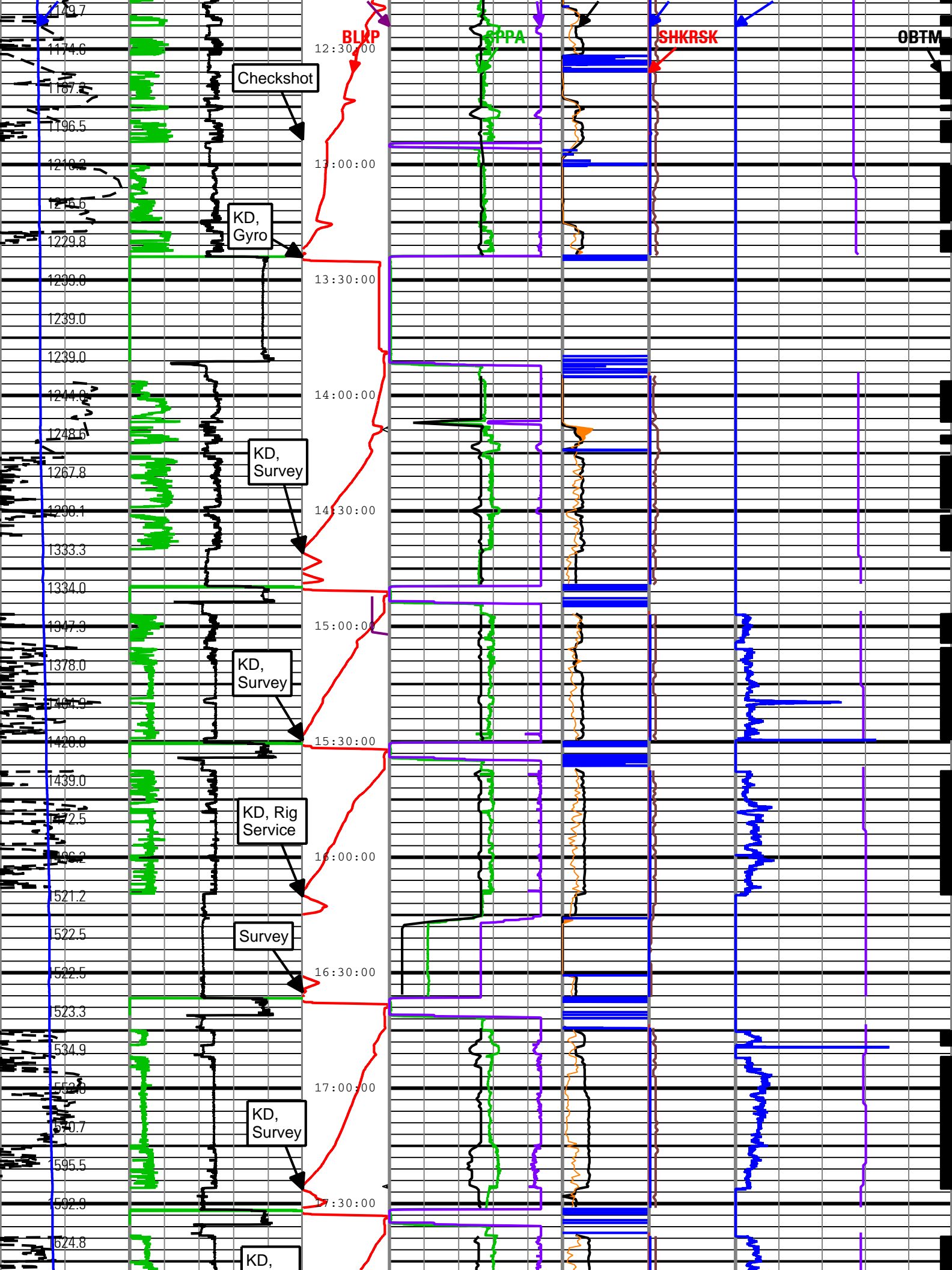


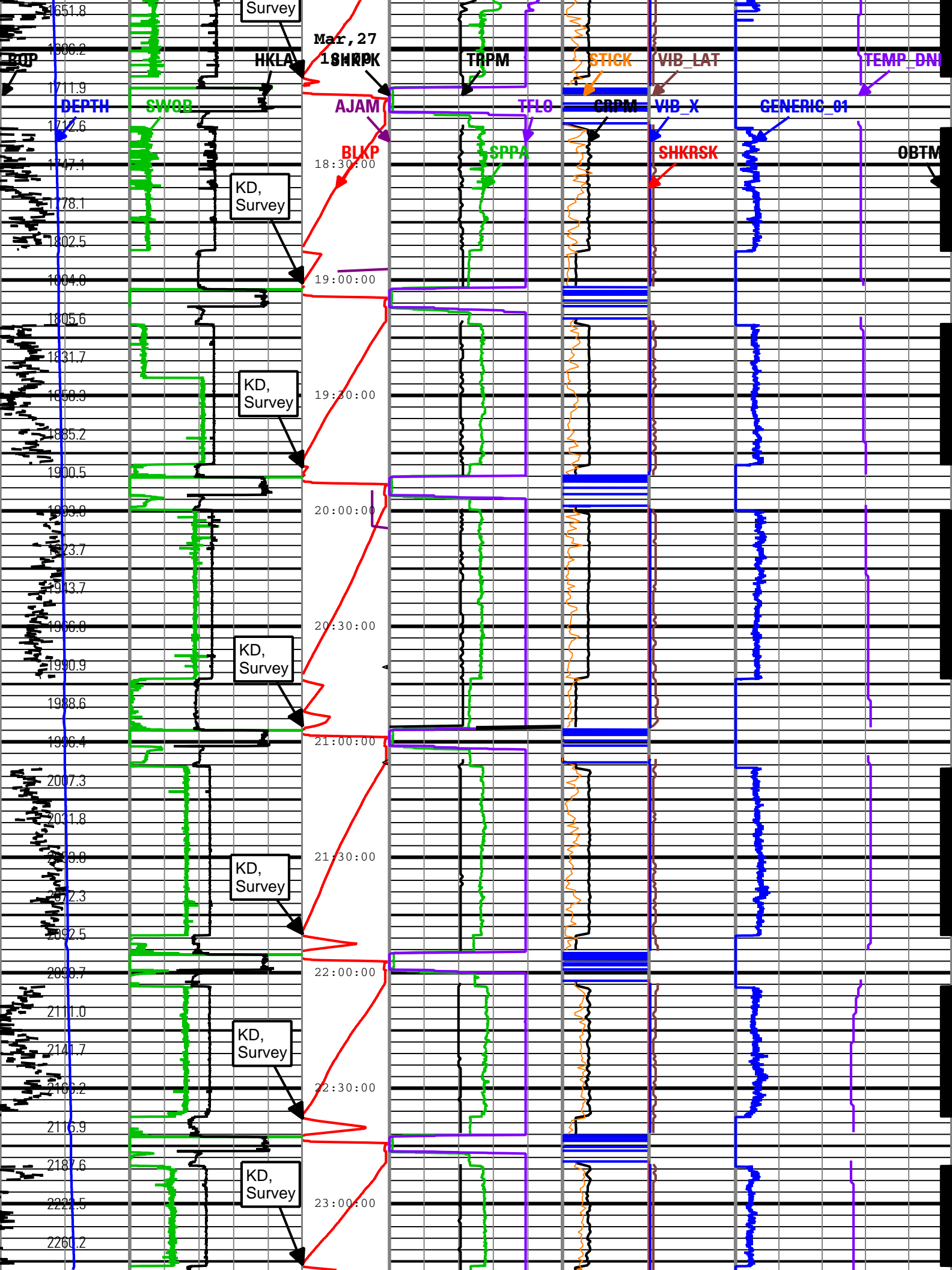


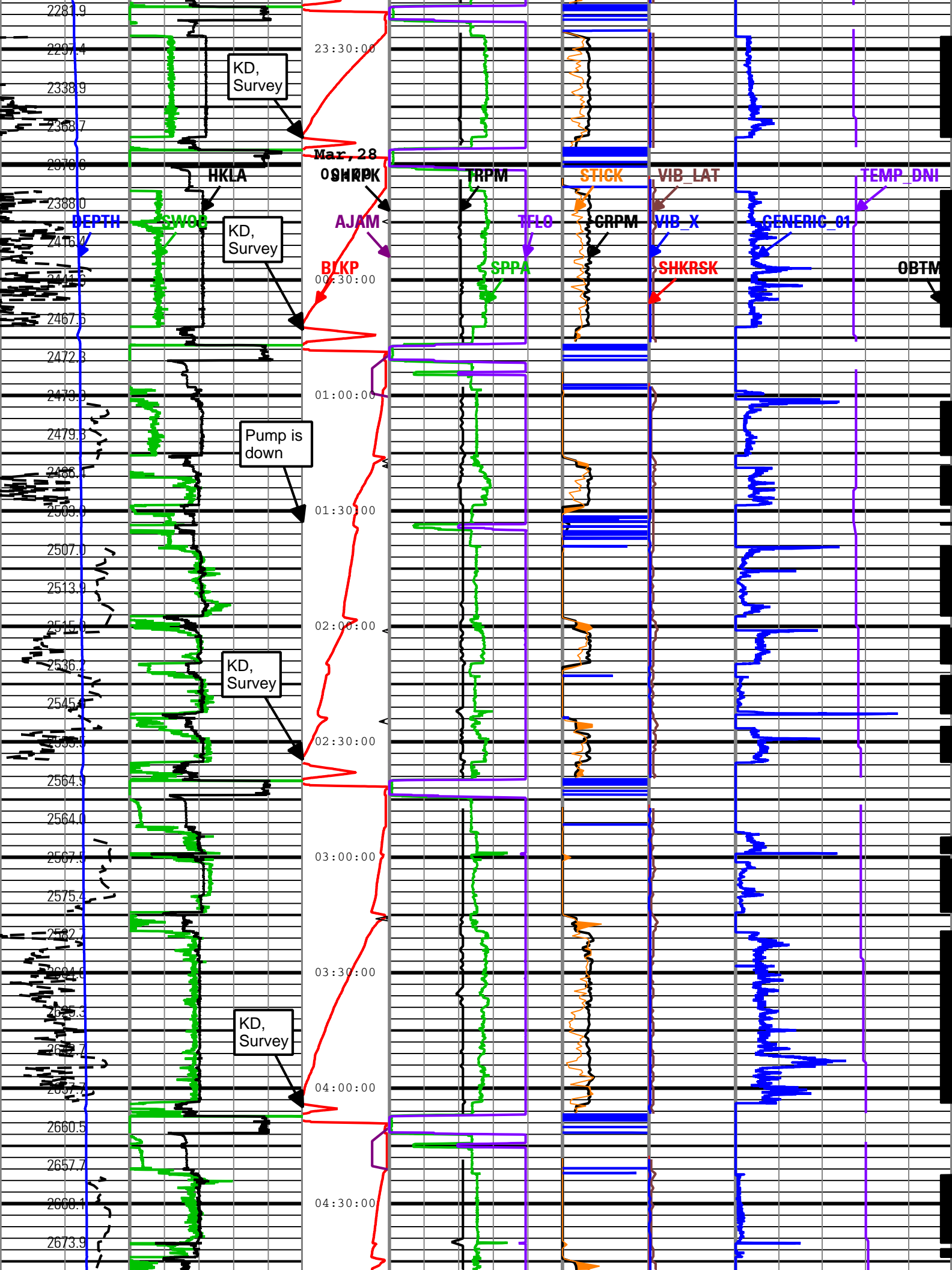


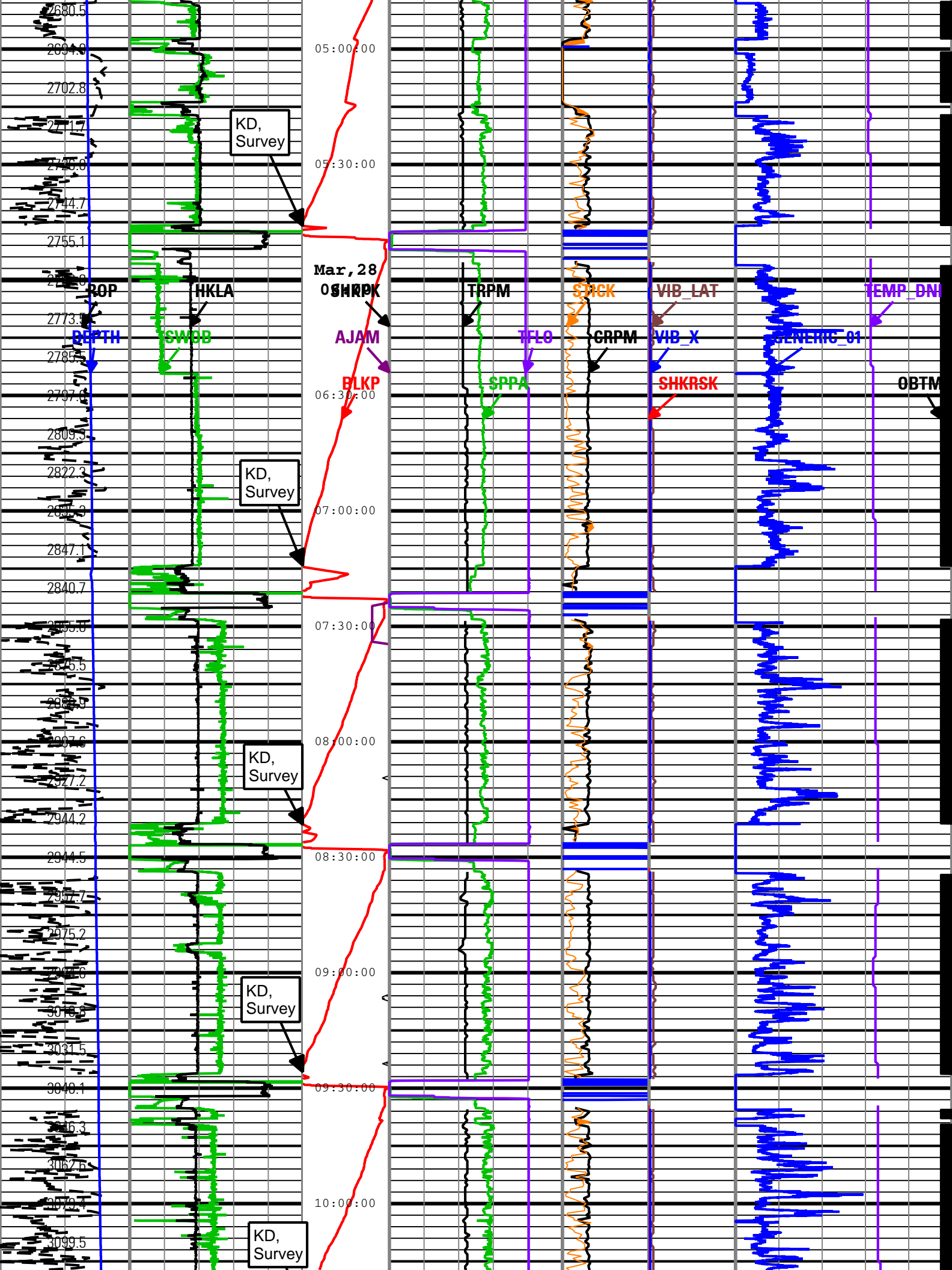


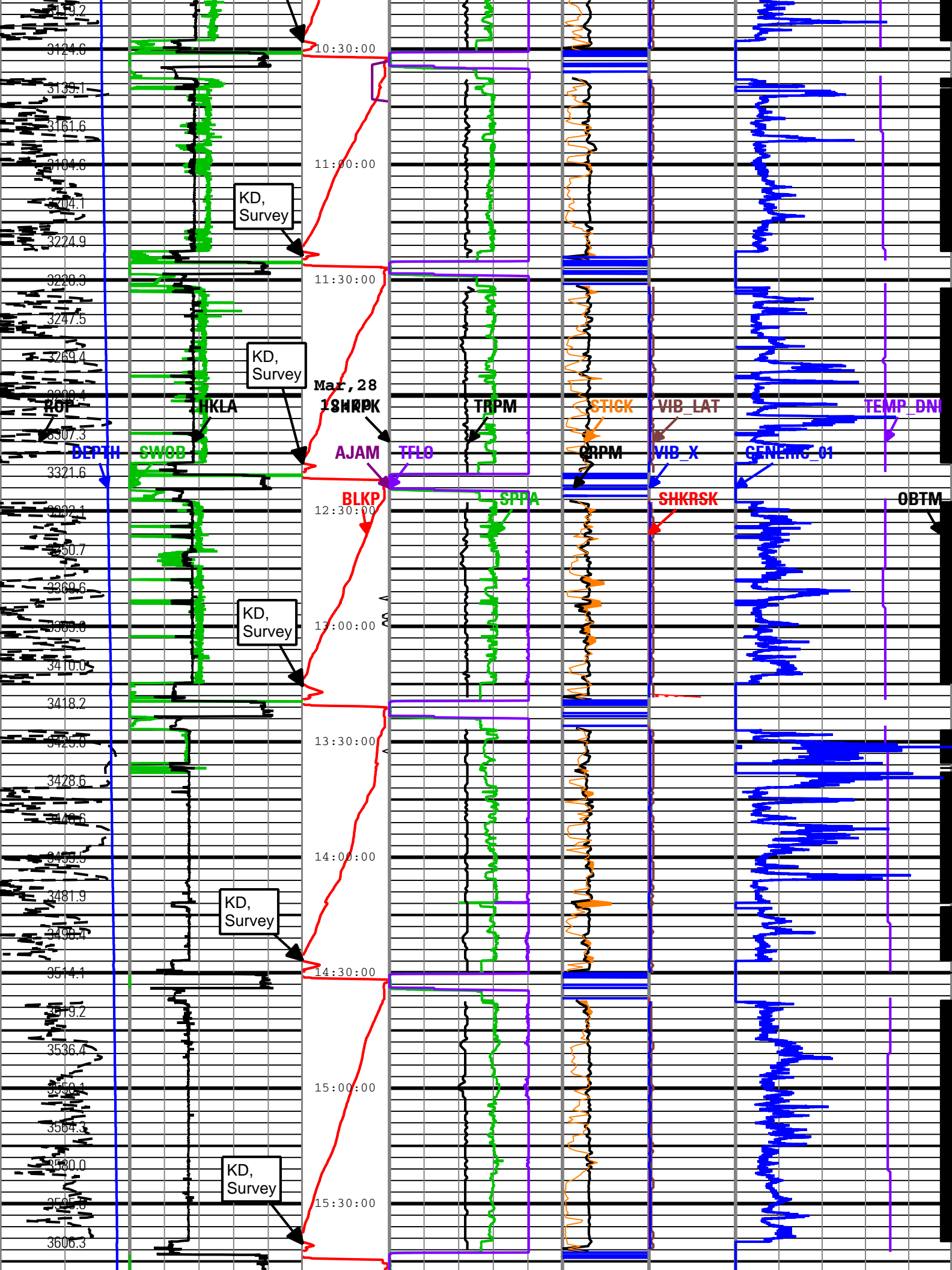


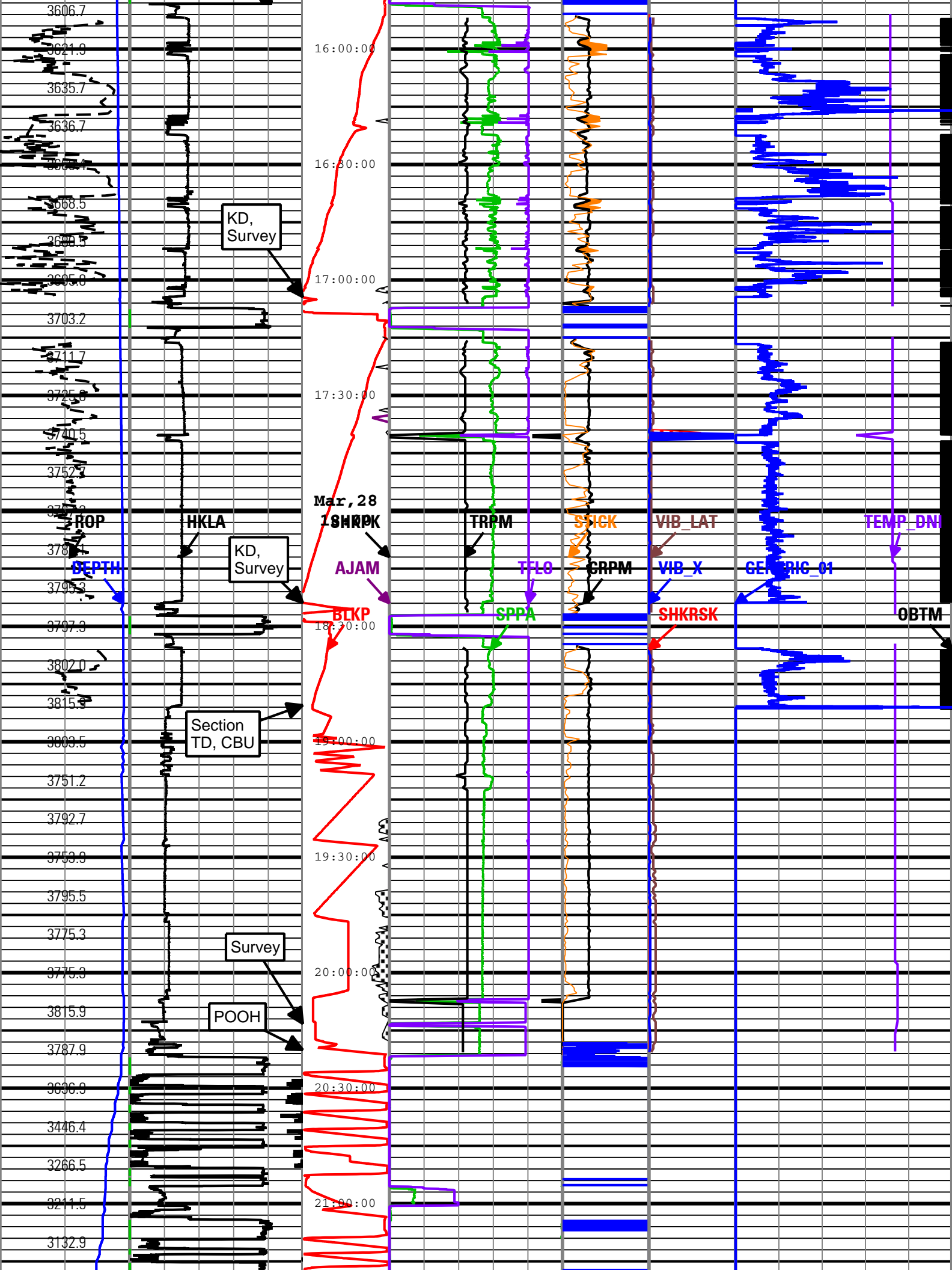


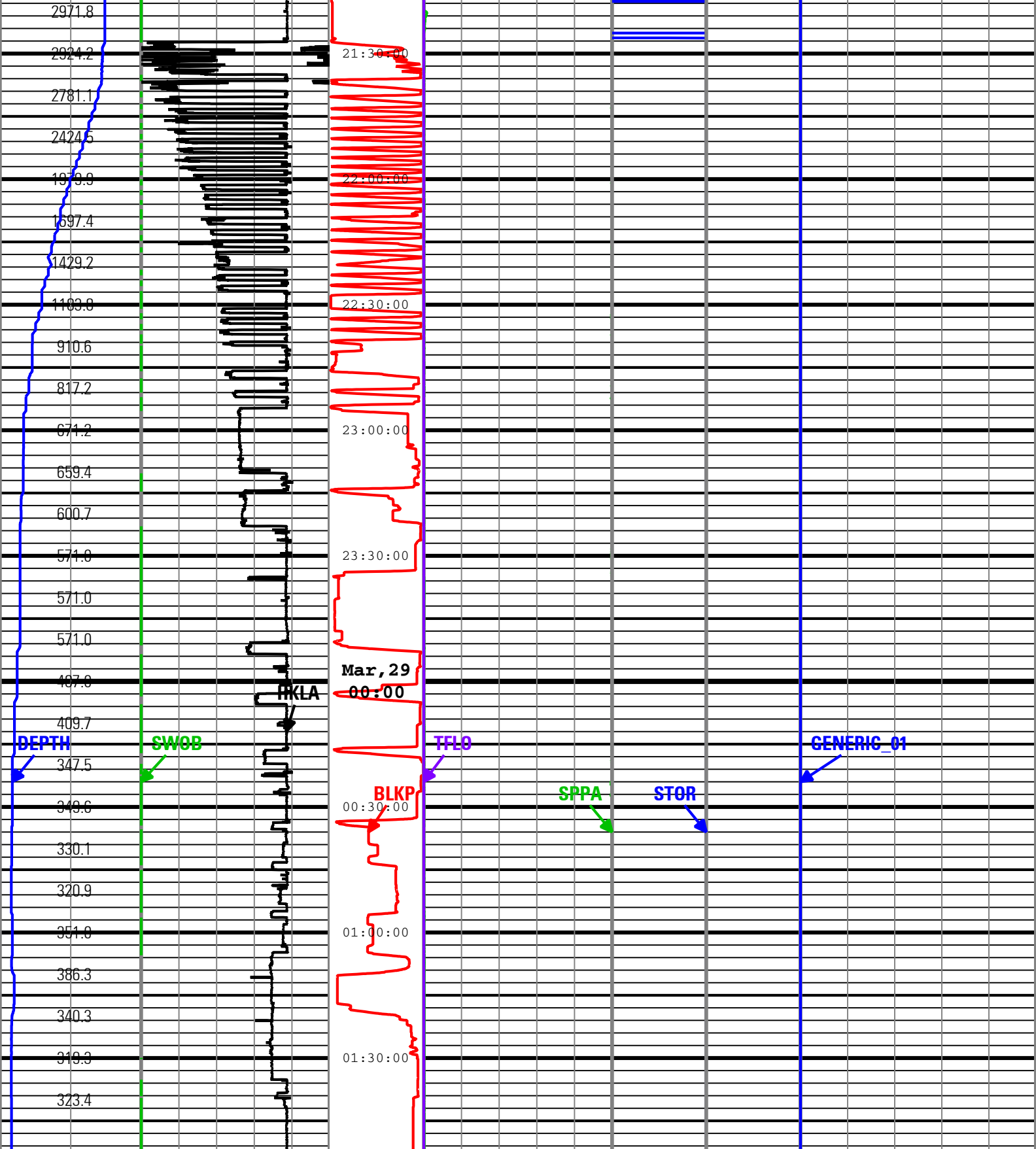












Rate of Penetration (ROP)	Surface Weight On Bit (SWOB)	Shock Peak	Standpipe Pressure (SPPA)	High StickSlip	Shock Risk	On Bottom
200 ft/h 0	0 1000 lbf 50	Height of block above rig floor (BLKP)	0 psi 5000	Collar Rotational Speed (CRPM)	0 50	Direction and Inclination Sensor Temperature (TEMP_DNI)
Depth Index (DEPTH) ft	Average Hookload (HKLA)	0 ft 100	Total flow rate of all active pumps (TFLO)	0 c/min 200	Shock Risk (SHKRSK)	50 degF 175
0 ft 4000	200 1000 lbf 0	Number of Anti-Jams Detected	0 gal/min 1000	Stick Slip Indicator	Transverse RMS Vibration (VIB_LAT)	Generic Channel One (GENERIC_01)
			MWD Turbine Rotation Speed (TRPM)			0 100
			1500 c/min 4500			

	Detected (AJAM)		Indicator (STICK)	0	gn	10
	5		0	c/min	400	RMS Vibration, X-Axis (VIB_X)
	Shock Peak (SHKPK)		Surface Torque (STOR)	0	gn	10
	200	gn	0	40	0	
			1000 ft.lbf			

Description: TeleScope + ARC Drilling Mechanics Time RT Format: Log (PERFORM - Drilling Mechanics) Index Scale: 2 in per 3600 s Index Type: Time
Creation Date: 04-May-2010 01:46:56

Tool Control Parameters				
Parameter	Description	ToolPath	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DnMWorkflow	Time Zoned	ft

Time Zone Parameters			
Parameter	Value	Start	Stop
OFFBTM_TH	0	26-Mar-2010 09:50:18	26-Mar-2010 09:52:33
OFFBTM_TH	0.15	26-Mar-2010 09:52:33	26-Mar-2010 17:33:13
OFFBTM_TH	0.05	26-Mar-2010 17:33:13	29-Mar-2010 01:52:12

002			
PERFORM - Drilling Mechanics			

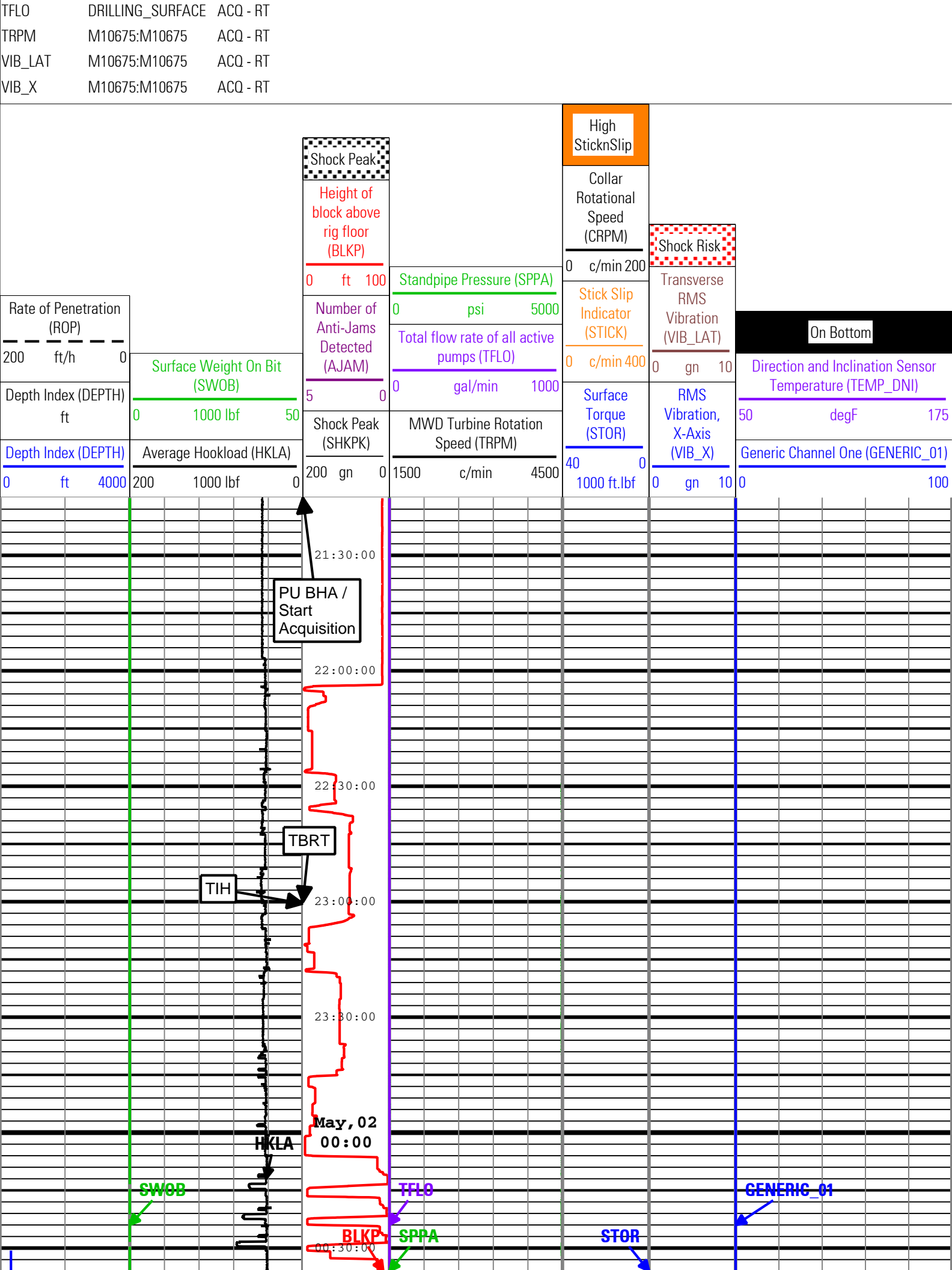
Software Version			
Acquisition System		Version	
MaxWell		1.2.8706.0	
Framework Patch		FWK-BGC-20100105-1.2.8706.1067	
Application Patch		APL-SRPC-DnM-1.2.8706.1045	
Tool Elements	Description	Software Version	Firmware Version
DRILLING_SURFACE	DRILLING_SURFACE	1.2.8706.1067	

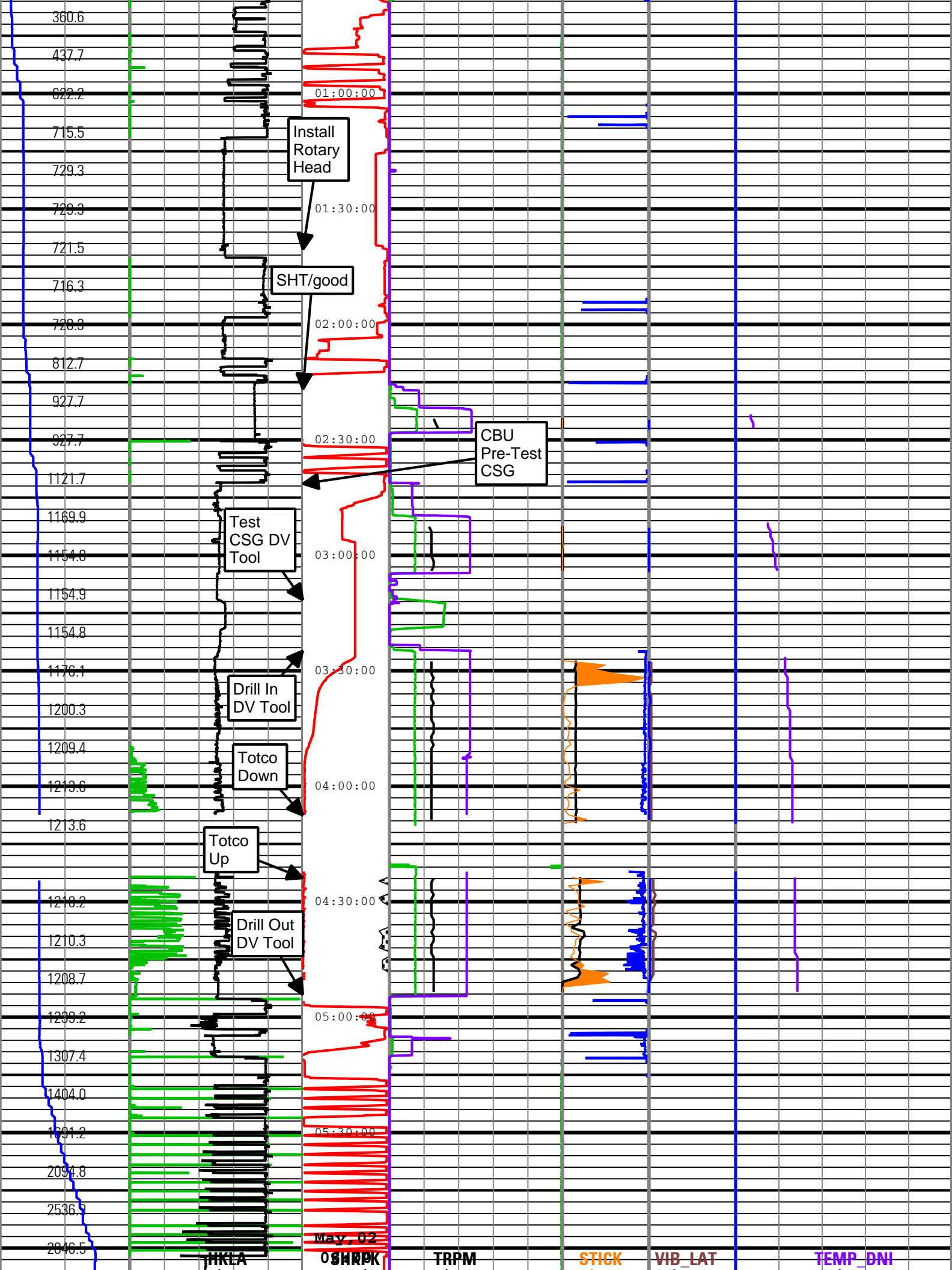
Pass Summary						
Run Name	Pass Objective	Direction	Start	Stop	Acquisition Start Date	Acquisition Start Time
002	TimeLogicalAcq	Down	01-May-2010 21:15:00	03-May-2010 18:38:09	01-May-2010	21:15:00

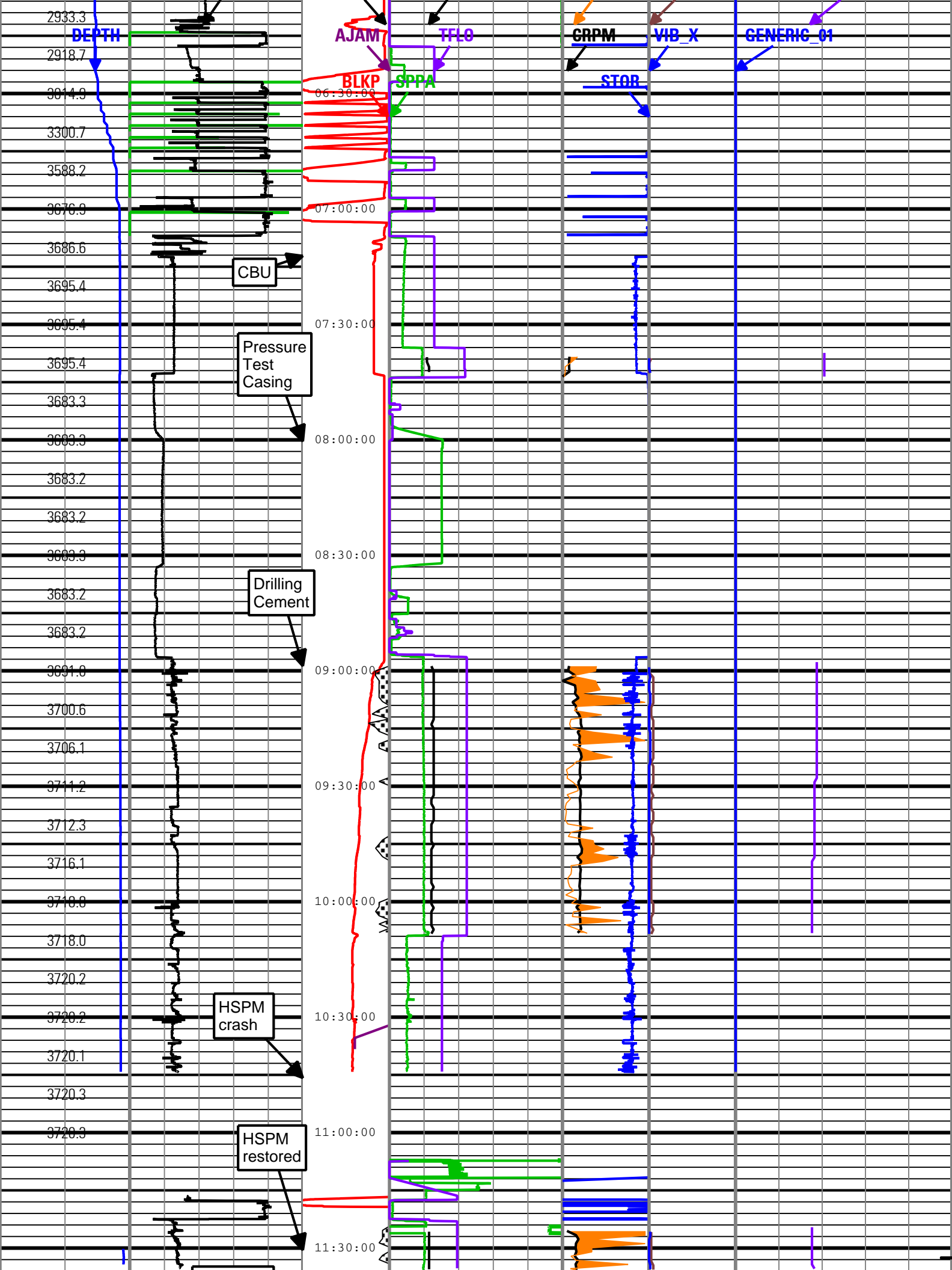
Log	002: TimeLogicalAcq 7F641732-39BF-4808-BC7B-DE2EFDF2C181					
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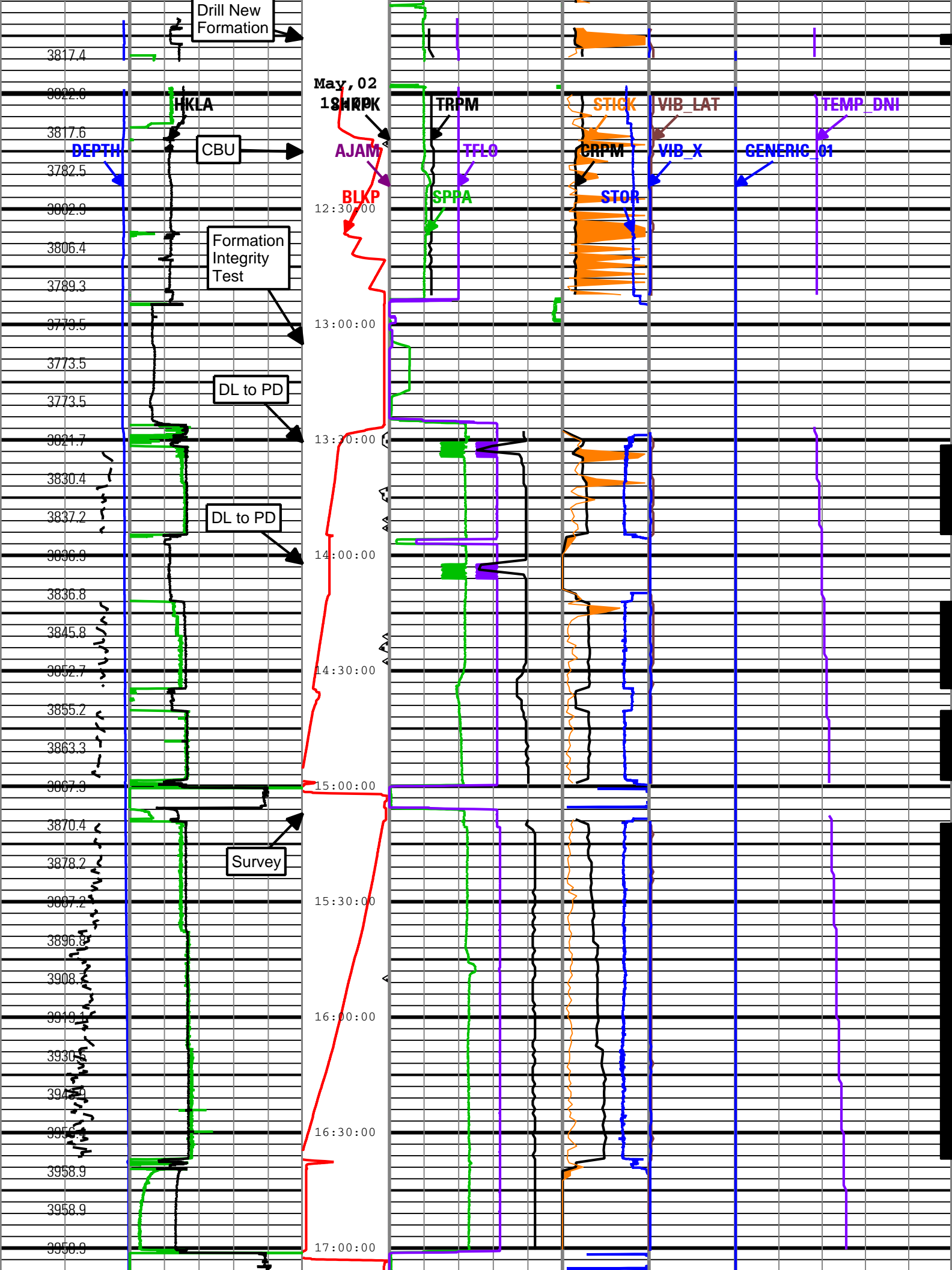
Description: TeleScope + ARC Drilling Mechanics Time RT Format: Log (PERFORM - Drilling Mechanics) Index Scale: 2 in per 3600 s Index Type: Time
Creation Date: 04-May-2010 01:47:04

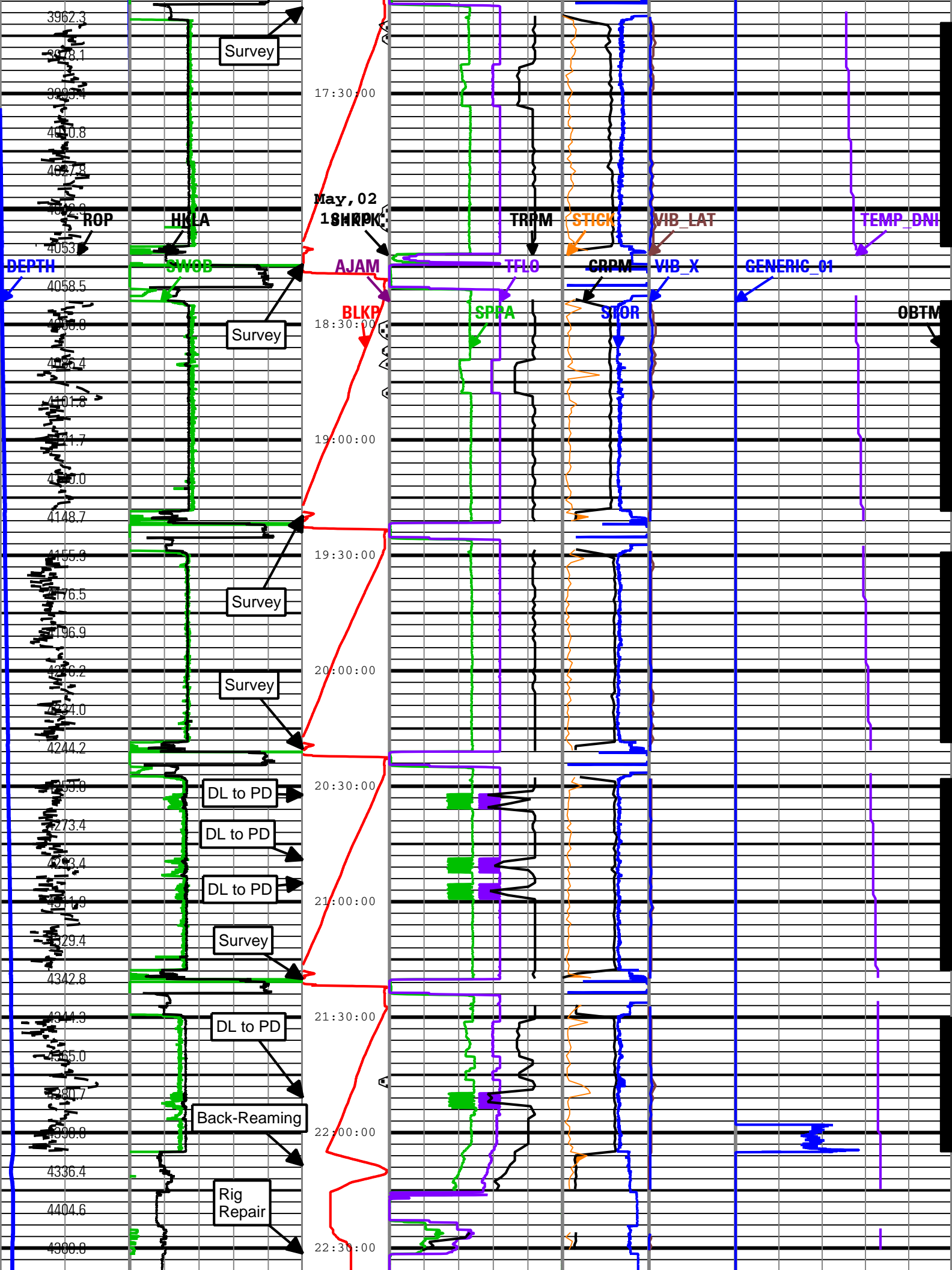
AJAM	M10675:M10675	ACQ - RT
BLKP	DRILLING_SURFACE	ACQ - RT
CRPM	M10675:M10675	ACQ - RT
DEPTH	DnMWorkflow	ACQ - RT
GENERIC_01	DRILLING_SURFACE	ACQ - RT
HKLA	DRILLING_SURFACE	ACQ - RT
OBTM	DnMWorkflow	ACQ - RT
ROP	DRILLING_SURFACE	ACQ - RT
SHKPK	M10675:M10675	ACQ - RT
SPPA	DRILLING_SURFACE	ACQ - RT
STICK	M10675:M10675	ACQ - RT
STOR	DRILLING_SURFACE	ACQ - RT
SWOB	DRILLING_SURFACE	ACQ - RT
TEMP_DNI	M10675:M10675	ACQ - RT

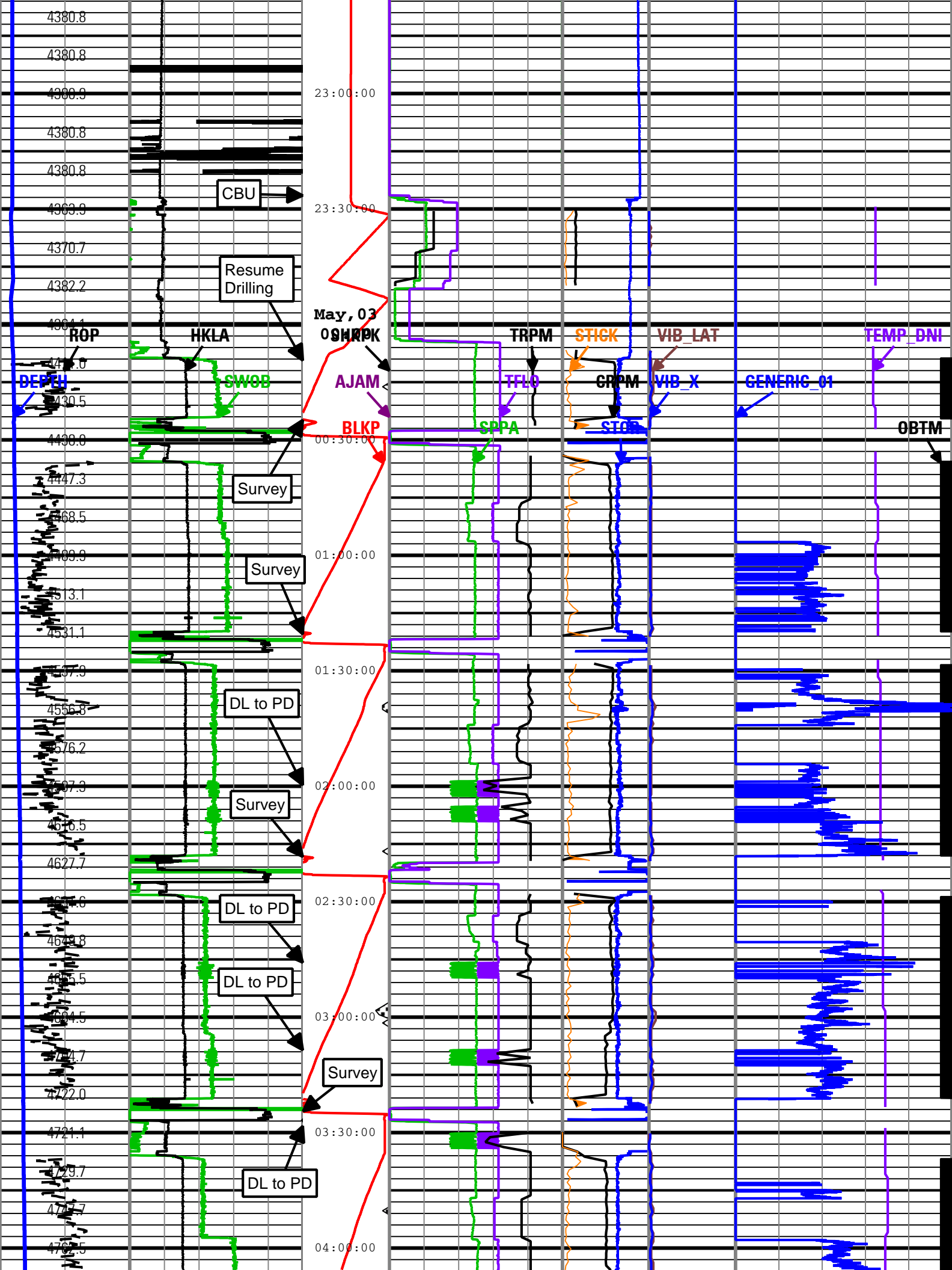


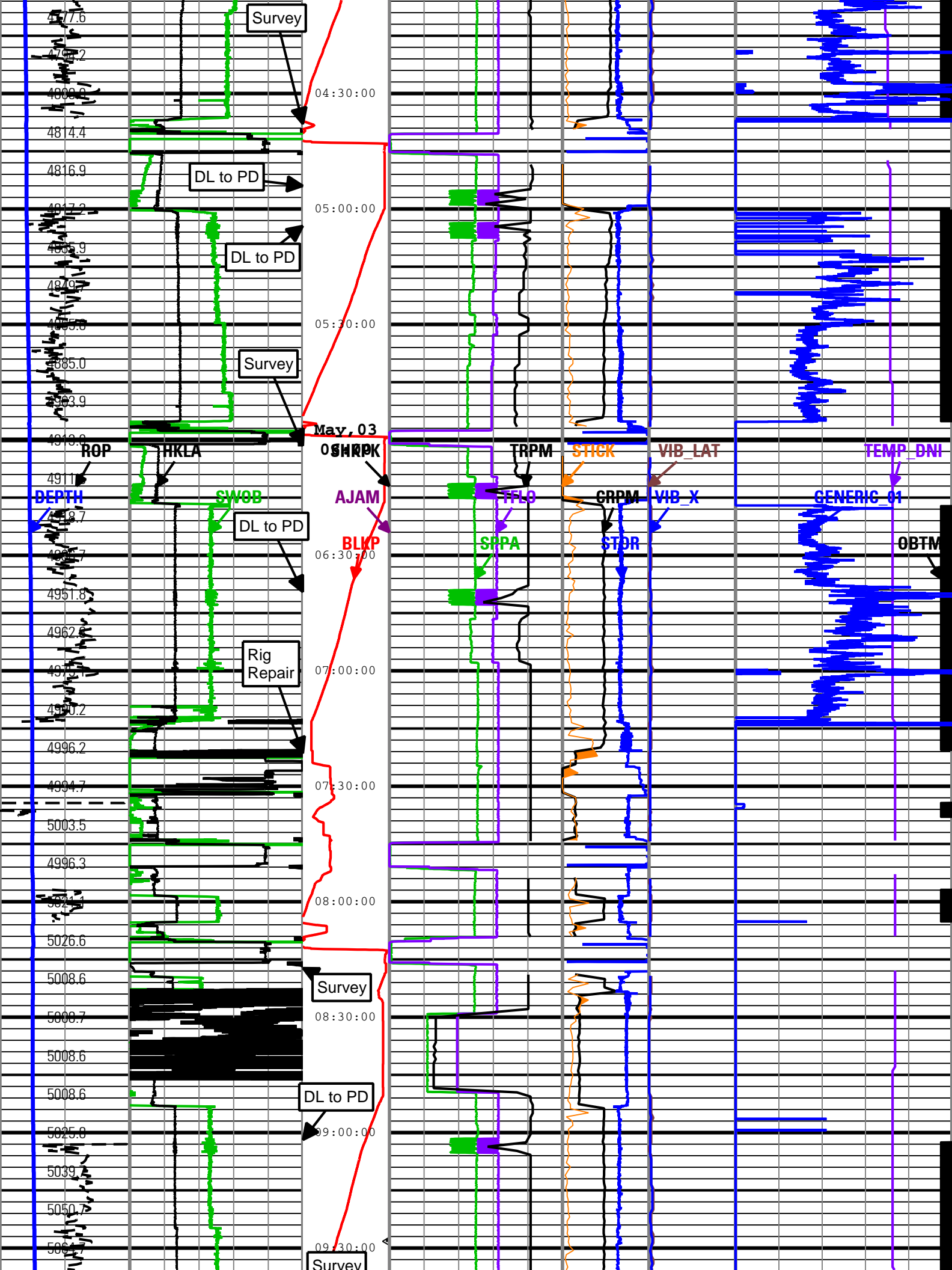


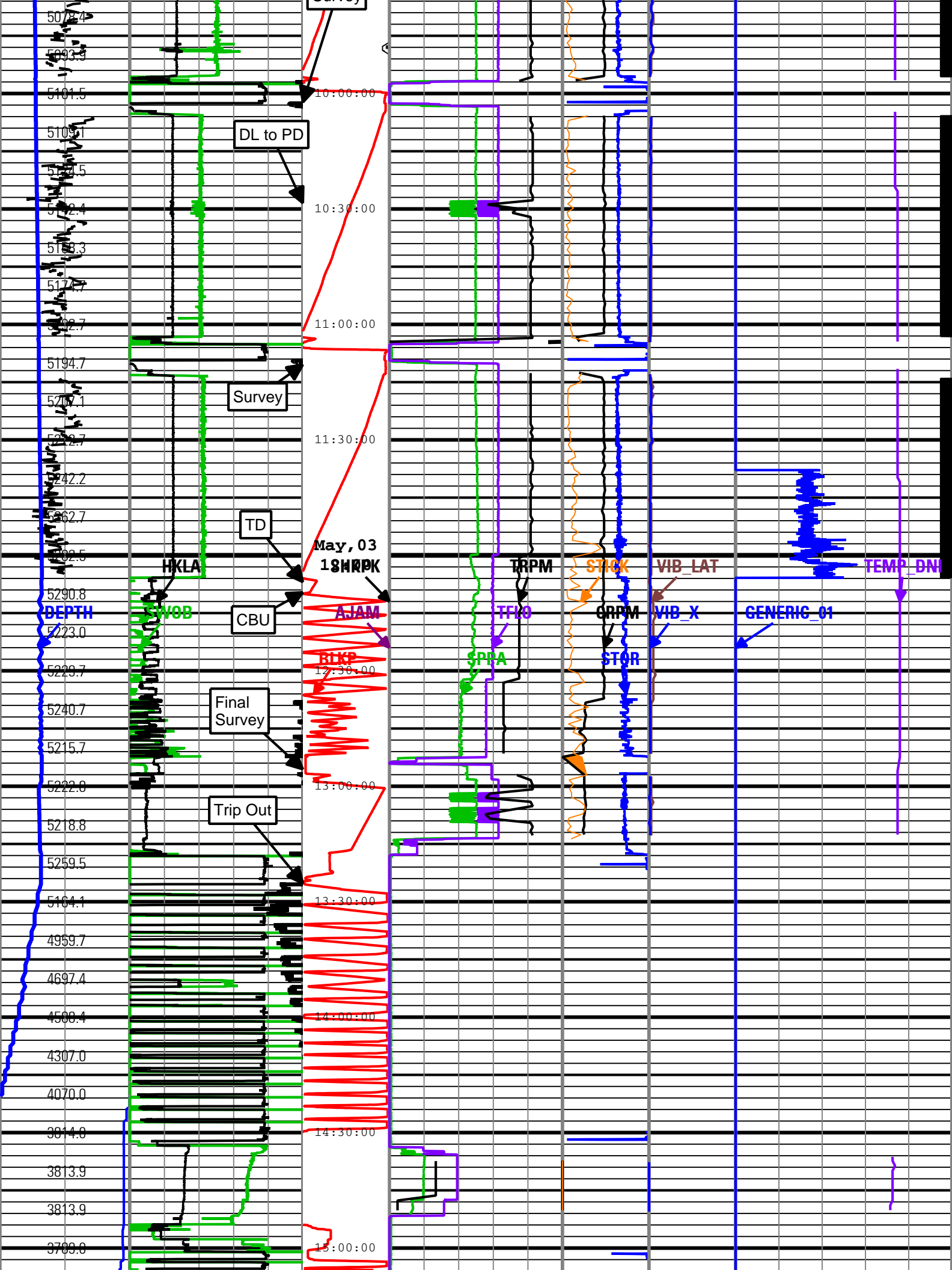












Tool Control Parameters

Parameter	Description	ToolPath	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DnMWorkflow	Time Zoned	ft

Time Zone Parameters

Parameter	Value	Start	Stop
OFFBTM_TH	0	01-May-2010 21:15:00	01-May-2010 21:17:56
OFFBTM_TH	0.15	01-May-2010 21:17:56	02-May-2010 11:24:15
OFFBTM_TH	0	02-May-2010 11:24:15	03-May-2010 18:38:11

Company:	ExxonMobil Oil Corporation
Well:	Piceance Creek Unit 197 34A7
Field:	Piceance Creek
County:	Rio Blanco
State:	Colorado
Country:	USA



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