

Company: Lamont-Doherty Borehole Research

Well: IODP Expedition 311 CAS-01B

Field: Cascadia Margin

Rig: JOIDES Resolution State: Pacific Ocean

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 Field: Cascadia Margin
 Location: Vancouver Island
 Well: IODP Expedition 311 CAS-01B
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PERFORM - APWD 2 in / 1 hr Time Based Real Time and Recorded Mode Log

Total depth: 1633 m
 Spud date: 23-Sep-2005
 Runs: 1 To 1
 Permanent datum: MEAN SEA LEVEL
 Log measured from: Kelly Bushing
 Depth reference: Driller's Depth
 Elevation: K.B. 10.06 m, G.L. -1323 m, D.F. 9.60 m
 Elev.: 0 m
 10.06 m above Perm. datum

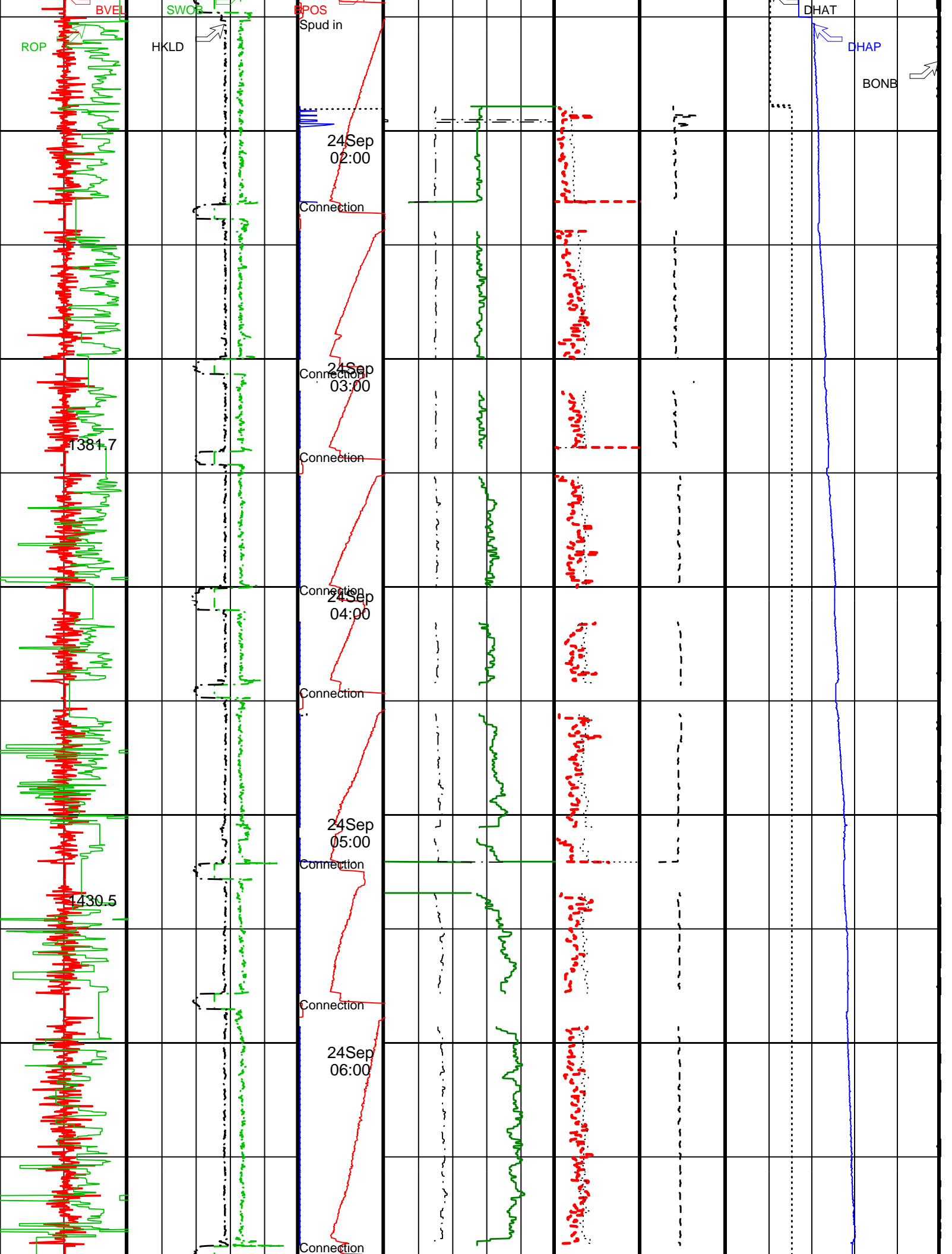
API serial no. NAD 27 UTM Zone 10 N Longitude W 126.86540 Latitude N 48.69806
 Depth logged: 1333 m To 1627 m Mag decl: 18.83 deg. Other services:
 Date logged: 23-Sep-05 To 24-Sep-05 Mag dip: 69.24 deg. geoVISION, sonicVISION, provision

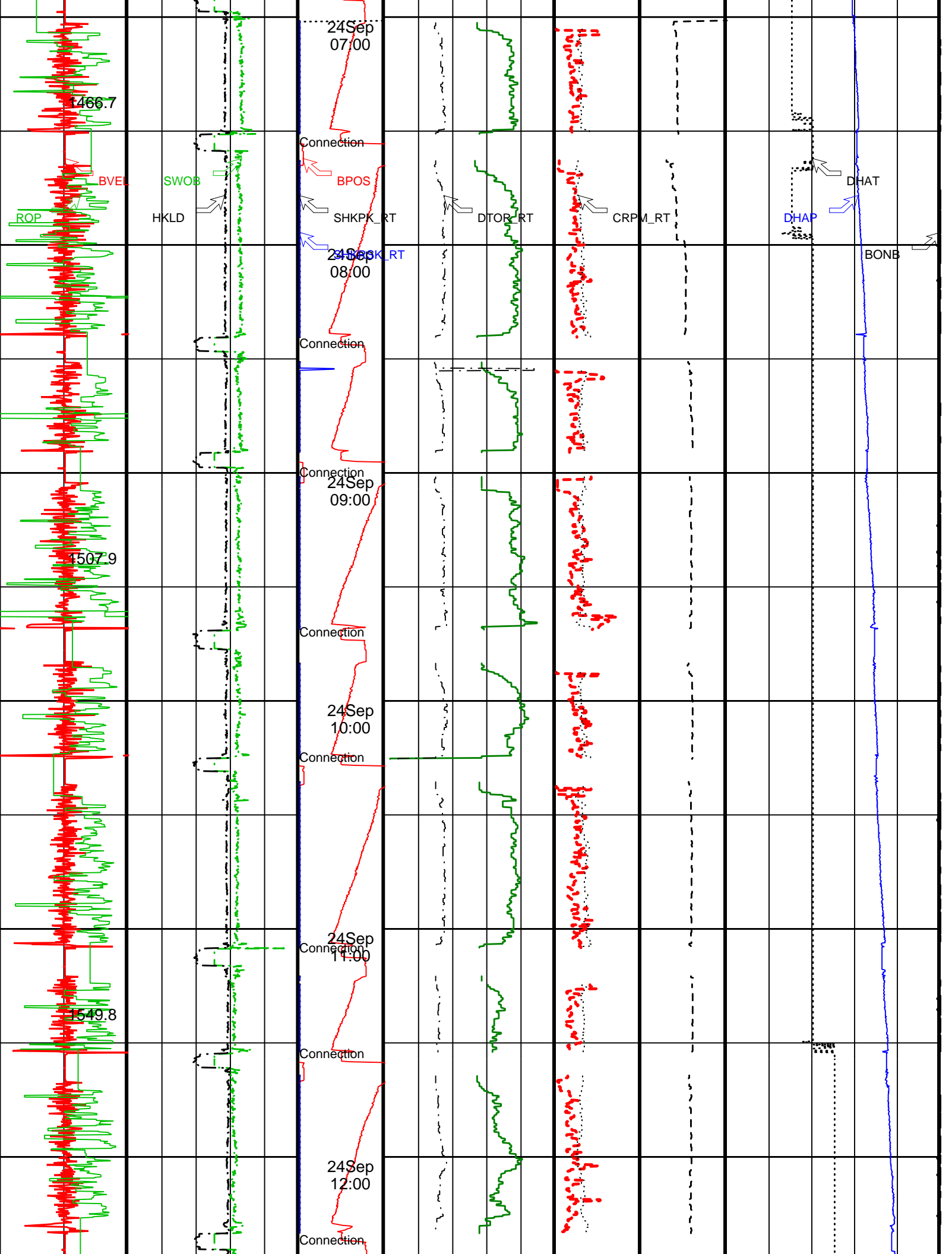
Bore hole record		Casing record				
Hole size	from	to	Size	Density	from	to
9.875 in.	1333 m	1633 m				
Mud record						
Type	from	to	Min	Max	from	to
Seawater	1333 m	1633 m				
Borehole deviation record						
Surface equipment						
Unit	TWIS	IDEAL Wis	ID10_2C_01	Software record		
Depth system	Geograph	SPM	hspm10_1c_05			
		LWD	See Remarks			
		MWD	9.0_C03			

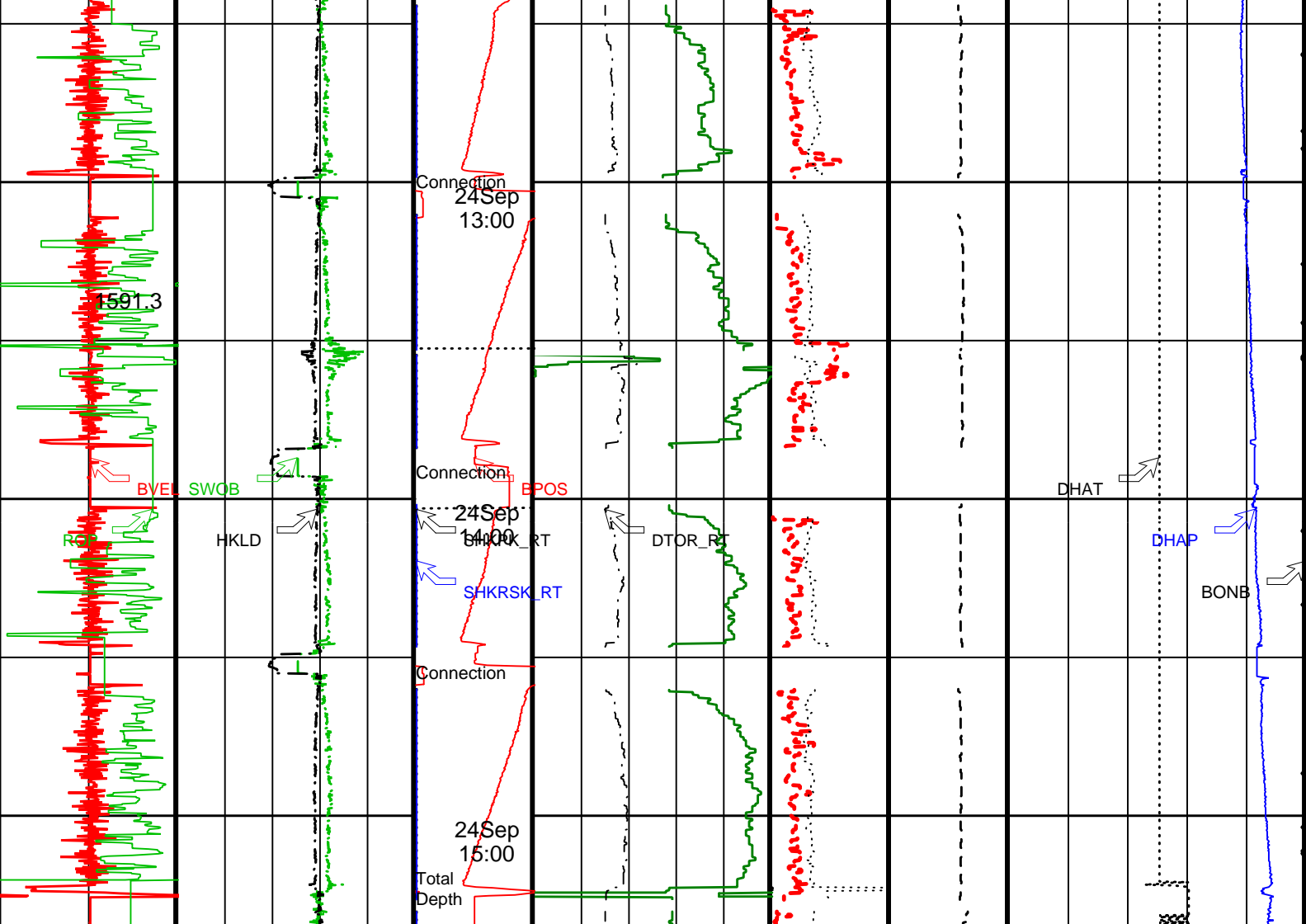
APWD Time Log - CAS-01B

IDEAL Version: ID10_2C_01 < > Vertical Scale: 2" per 3600S Graphics File Created: 04-Oct-2005 12:56

Block_velocity (BVEL) (M/S)	MWD Shock Risk (SHKRSK_RT)	Bit_on_bottom (BONB)
-0.5 to 0.5	0 to 5	-100 to 1
Rop (ROP) (M/HR)	Shock Peak (SHKPK_RT)	DVD Annulus Pressure (DHAP) (PSI)
0 to 1000	0 to 100	2500 to 3500
Bit Depth Value (DEPT) (M)	Block Position (BPOS) (M)	MWD Collar RPM (CRPM_RT) (RPM)
1320.2	0 to 35	0 to 200
Surface WOB (SWOB) (KLBF)	Dwob (DWOB_RT) (KLBF)	Trpm (TRPM_RT) (RPM)
-100 to 100	20 to 60	0 to 5000
		DVD Annular Temp (DHAT) (DEGC)
		0 to 10







Bit Depth Value (DEPT) (M)	Surface WOB (SWOB) (KLBF)	Block Position (BPOS) (M)	Dwob (DWOB_RT) (KLBF)	MWD Collar RPM (CRPM_RT) (RPM)	Trpm (TRPM_RT) (RPM)	DVD Annular Temp (DHAT) (DEGC)
1630.0		35				
Rop (ROP) (M/HR)	Hookload (HKLD) (KLBF)	Shock Peak (SHKPK_RT) (RPM)	Dtor (DTOR_RT) (KFLB)	MWD PEAK TO PEAK RPM (Stick_RT) (RPM)		DVD Annulus Pressure (DHAP) (PSI)
1000						2500 - 3500
Block_velocity (BVEL) (M/S)		MWD Shock Risk (SHKRSK_RT) (RPM)				Bit_on_bottom (BONB)
-0.5 - 0.5		5				-100 - 1

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Schlumberger

Real Time and Recorded Mode Log