Supplemental data memo in C0002T

This is a supplemental and quick memo to help using the logging data. It includes personal communication between Schulumberger data processor. Refer to the IODP expedition 358 proceedings for the official information.

Depth index

mBRT: meter below rotary table (rig floor)

mbsf: meter below sea floor

MSL: mean sea level

MD: Measured depth, linear length from the rig floor

TVDSS: True Vertical Depth SubSea, vertical depth from MSL

Well summary

Expedition:	358
Hole:	C0002T (sidetrack from C0002S)
Location (Well head):	33°18.0507'N, 136°38.2029'E
	X/Y: 652382.39 / 3685834.62
Water Depth:	1967.5 mBRT (1939.0 mMSL)
Rig floor to MSL Elevation:	28.5 m
Coordinate:	WGS84-N53
Grid North:	0.89 (degree)
Magnetic Declination:	-7.16 (degree)
Magnetic Inclination:	47.02 (degree)
Total magnetic force:	46164.86 (nT)
Horizontal component:	31432.0 nT
Vertical component:	33632.0 nT

Hole C0002T was kicked off at 4784mBRT from the open hole C0002S in Run1. Cores were cut below in 4804-4816mBRT.

Run 1

BHA: 8-1/2"Bit + Mud Motor + TeleScope

Mud type: KNPP

Mud weight (sg): 1.36

Logging data quality control

Time-base DWOB was measured at TeleScope. There is no DTOR.

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Appendix 1: Acronyms in drilling parameters and LWD data

drilling parameters at surface

ROP5 [m/hr]   : Rate of penetration averaged over the last 5 ft (1.5 m)

RPM [c/min]   : Rotations per minute

SPPA [MPa]   : Standpipe pressure

SWOB [kN]   : Surface Weight on Bit

STOR [kN.m]   : Surface Torque

TFLO [gal/min]   : Total flow rate of all active pumps

TeleScope

DWOB [kN]   : Downhole Weight on Bit

DTOR [kN.m]   : Downhole Torque

Appendix 2: Time stamp of time-base data

Use "Time" as a reference for time-based LAS. Time Index by Schlumberger Maxwell acquisition system takes OLE Automation Date, that is "December 30, 1899" as a reference day. Techlog takes "January 01, 1900" as a reference day, therefore, there are 2-day gap in-between. Time-based LAS includes two kinds of "Time stamp", "Time_1900 (OLE Automation Date)" and "Time (2 days ahead index)". The latter is the actual date.