IODP EXP 358 Daily Geomechanics Report

Report #079 20190127

RTG Team

RTG Supervisor(s)	David Castillo / Thomas Finkbeiner / Demian Saffer
RTG Watch Lead (00:00-12:00)	Kan Aoike
RTG Watch Lead (12:00-24:00)	Adam Wspanialy

Well Status

Site Name:	C0002		**Hole Name:**	R	
Water Depth:	1,939.0	m	**RT-MSL:**	28.5	m
0600h Hole Depth:	5,052.0 (5049.0)	mBRT (mTVD)	**Section TD:**	5,667.5 (5,664.5)	mBRT (mTVD)
Section #:	1		**CSG Depth/Size:**	4,818.0 11-3/4" ESET	mBRT inches
Static MW:	1.39	sg	**Current ECD:**	-	sg
FIT/LOT/ XLOT:	N/A *Note: 1.46sg FIT @ 4,757mBRT*				
Current formation/ lithology:	Shale				
Sensor Offsets from the Bit:	N/A				
Other BHA Offsets from the Bit:	N/A				
Current Operations:	Rigged up WL equipment, made up the Colliding Tool and RIH. Attempted to go down below 8-1/2" DC (top of Jar: 4784 mBRT). Fired the Colliding Tool and severed the string successfully at 4782 mBRT, 2 m above the Jar. POOH Colliding Tool and rigged down WL equipment. Circulation and bottoms up.				

Geomechanics Alert

GREEN	Green = Projected model remains accurate White = Unanticipated deviation from model which *should not* affect drilling Yellow = Unanticipated deviation from model which *may* affect drilling Red = Imminent requirement to stop drilling
Basis for Alert Level + Recommendations	1.39 sg remains recommended MW for Section 1. No further change in wellbore condition has been observed.

Principal Findings

N/A

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Observations Summary

Fracture Gradient	N/A
Pore Pressure	N/A
Wellbore Breakout	N/A
Tensile Failure	N/A
Drilling Parameters	N/A
Other	N/A

Analysis

Drilling Experience Analysis

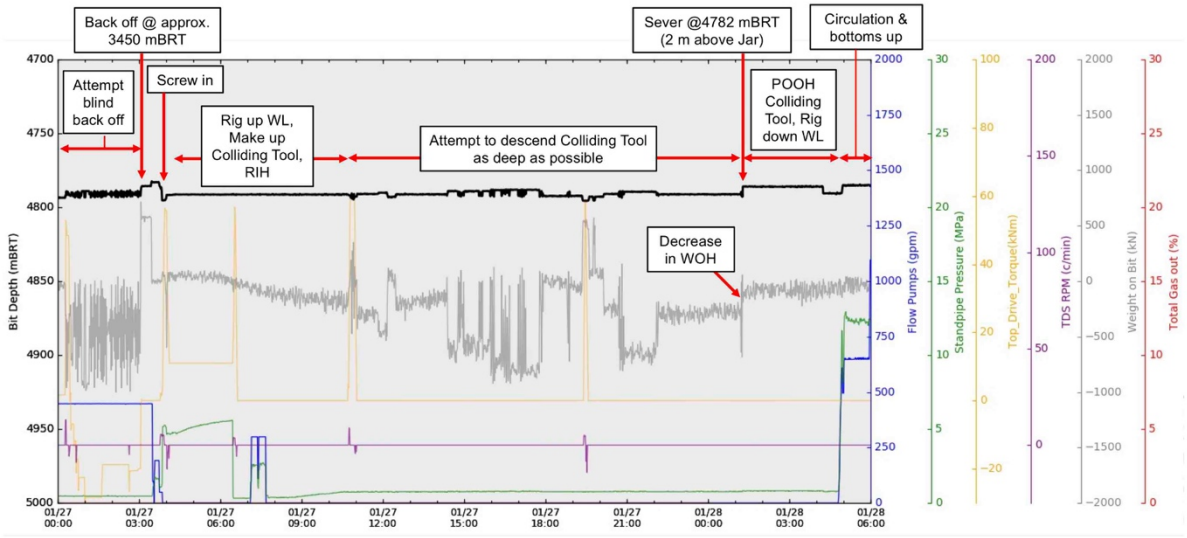

Figure 1 Drilling Experiences over last 30hrs

No particular indication related to borehole condition was observed.

Cuttings and Cavings Analysis

N/A – Only circulating the riser.

LWD Data Analysis

N/A

SFIB Analysis

No further updates.

Geomechanical Model Review

No change in the current stress model.

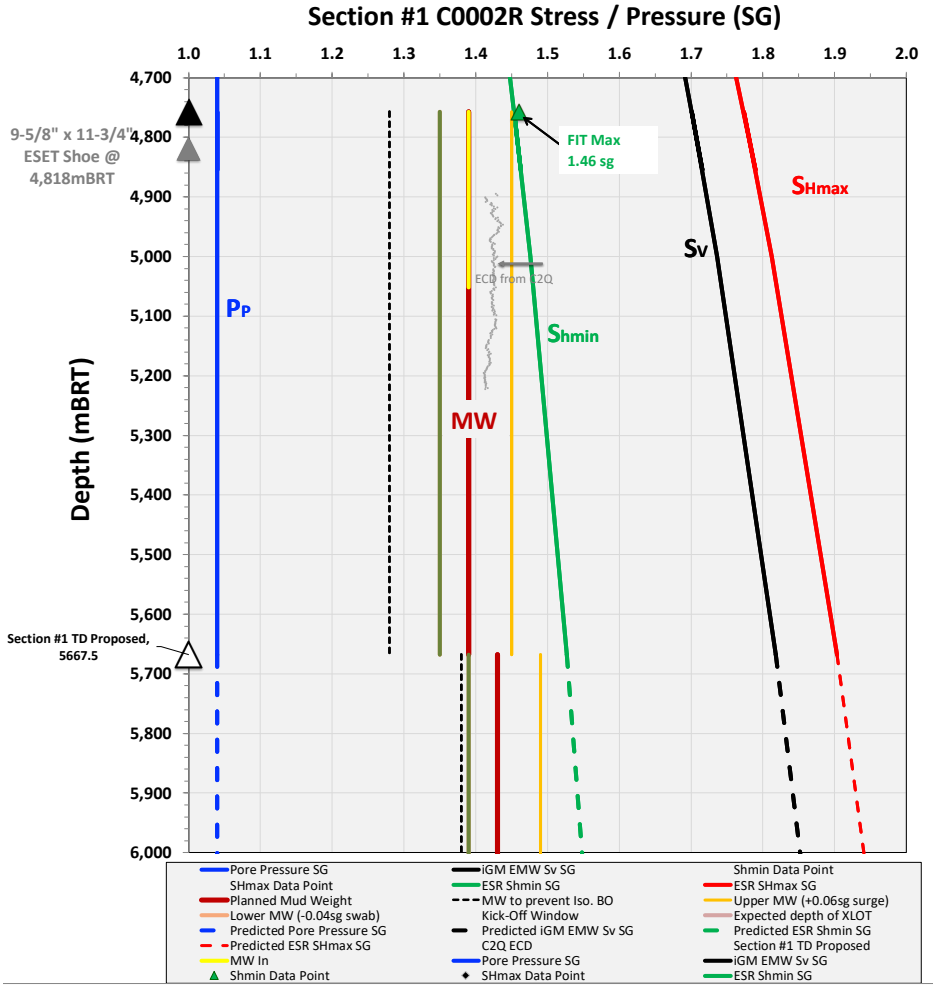

Figure 2 Current stress model for Section #1