

IODP EXP 358 Daily Geomechanics Report

Report #071 20190119

RTG Team

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

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 mBRT (5049.0 mTVD)	Section TD:	5,667.5 mBRT (5,664.5 mTVD)
Section #:	1	CSG Depth/Size:	4,818.0 mBRT 11-3/4" ESET 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:	RIH free point indicator and confirmed tool is free. Ran back off tool, applied torque to string and backed off drillpipe. POOH back off tool, rigged down wireline equipment, circulated bottoms up and commenced POOH string to 1,967mBRT.		

Geomechanics Alert

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

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

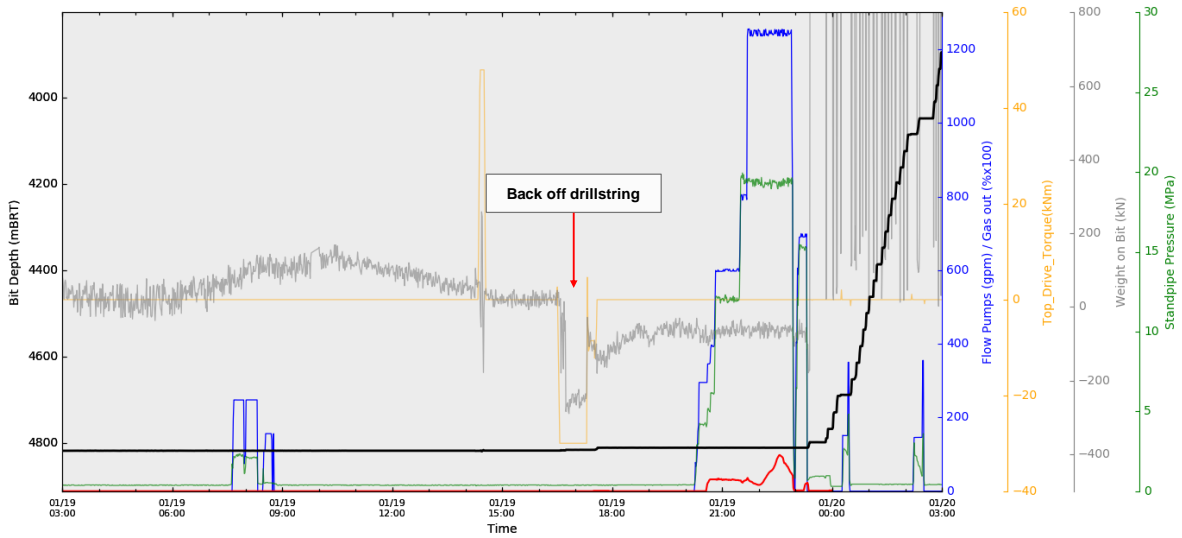


Figure 1 Drilling Experiences over last 24hrs

A gas peak of ~1% arrive at 22:35hrs on the 19th January while circulating after backing off the drillstring.

Cuttings and Cavings Analysis

Sand sized cuttings arrived at the shakers during the brief period of circulation.

LWD Data Analysis

N/A

SFIB Analysis

No further updates.

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Geomechanical Model Review

No change in the current stress model.

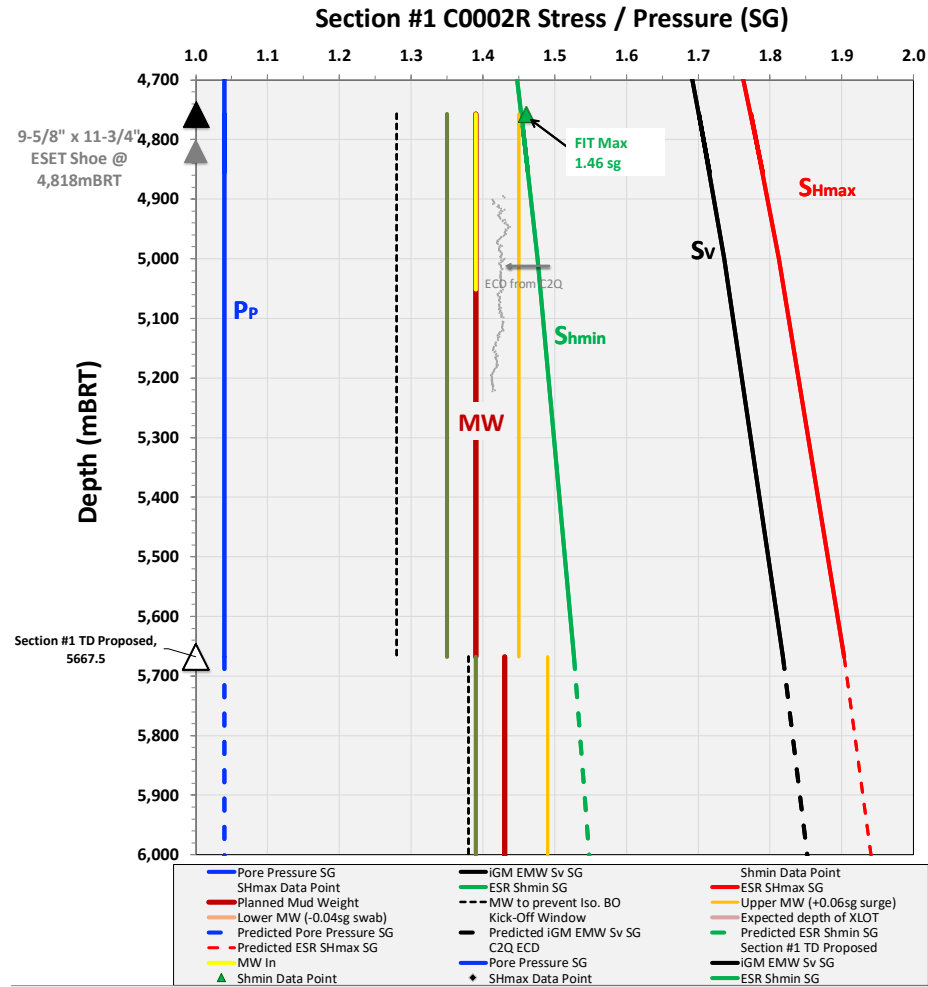


Figure 2 Current stress model for Section #1