

# IODP EXP 358 Daily Geomechanics Report

Report #080 20190128

## 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 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:	Continued circulation and bottoms up. POOH with the severed string to 2230 mBRT. Carried out BOP function test. Resumed POOH. The severed 8-1/2" DC on surface at 05:13. Confirmed that the severing depth was 4782 mBRT as expected.		

## Geomechanics Alert

<b>GREEN</b>	<p><b>Green</b> = 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>
<b>Basis for Alert Level + Recommendations</b>	<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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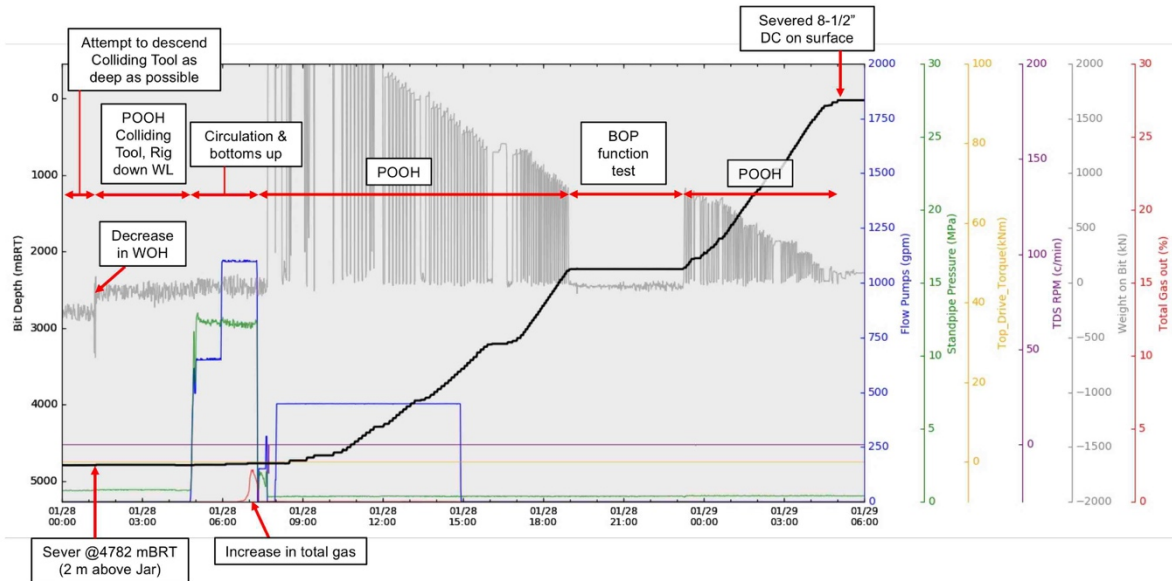
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### Observations Summary

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

### Analysis

#### Drilling Experience Analysis



**Figure 1 Drilling Experiences over last 30hrs**

No particular indication related to borehole condition was observed. Total gas increase up to 2.3% was observed at around 07:00 Jan.28, two hours later after circulation started. This gas is probably that derived from below the casing shoe and trapped inside the casing during the work pipe and wireline operations with no circulation .

#### Cuttings and Cavings Analysis

N/A – Only circulating the riser and casing.

#### LWD Data Analysis

N/A

#### SFIB Analysis

No further updates.

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### Geomechanical Model Review

No change in the current stress model.

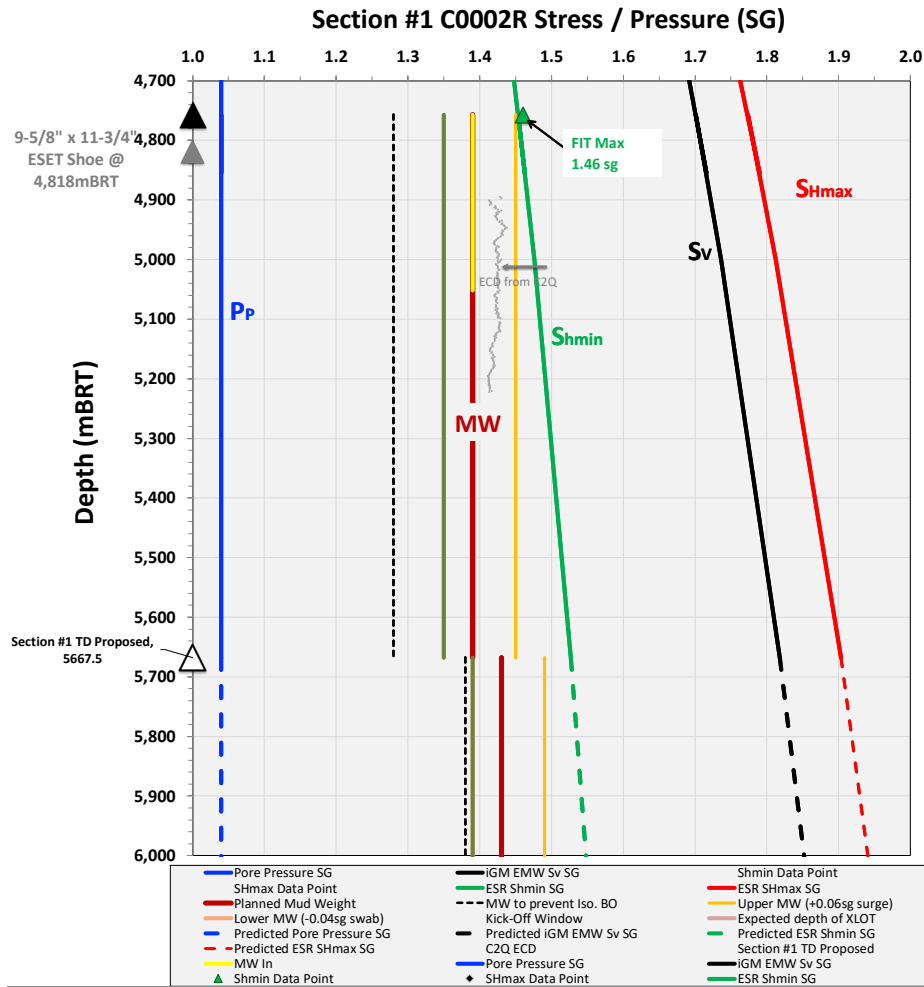


Figure 2 Current stress model for Section #1