

## Morning Report PNR1z

<b>Management System:</b>		HSE	<b>File Name:</b>	008-PNR1z-15.10.18-S01-RMR	
<b>Approver:</b>		Senior Geoscientist	<b>Version No:</b>	1	
<b>Reviewer:</b>		Fracture Manager	<b>Date of Issue:</b>	16 <sup>th</sup> October 2018	
<b>Author:</b>		Senior Geoscientist	<b>Proposed date of Review:</b>	n/a	
<b>Version</b>	<b>Section</b>	<b>Revision Information</b>		<b>Date</b>	<b>Reviser</b>
0.1	All	Draft Publication		16/10/2018	Senior Geoscientist
Documents are reviewed as per proposed review date, or sooner if a significant change to the operation has taken place, to ensure relevance to the systems and process that they define.					

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## 1.0 Summary

Overview of day's operations:

- 1x Diagnostic injection test performed
- No Flow back performed
- No Induced seismicity or any red line boundary breached

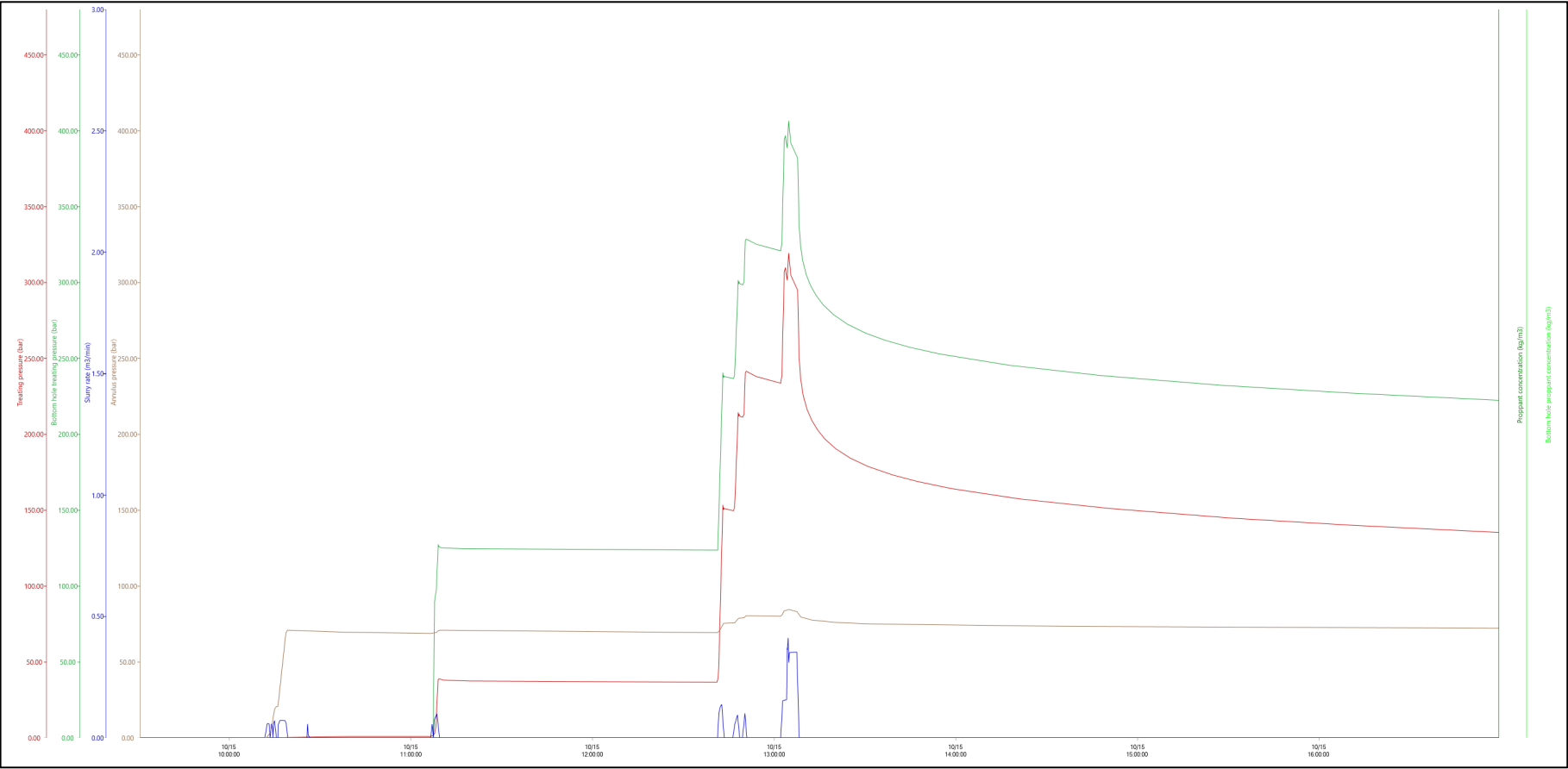
## 2.0 Injection Summary

### Stage 01

Injection Depth m (RT)	Volume fluid (m <sup>3</sup> )	Proppant (mesh size, tonne)	Fluid System	Additives (type, mass kg)
3374.5 M MDRT	1.87	none	Fresh	None
2279.5 M TVDRT		none		

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3.0 Injection Chart



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4.0 Fracture Growth

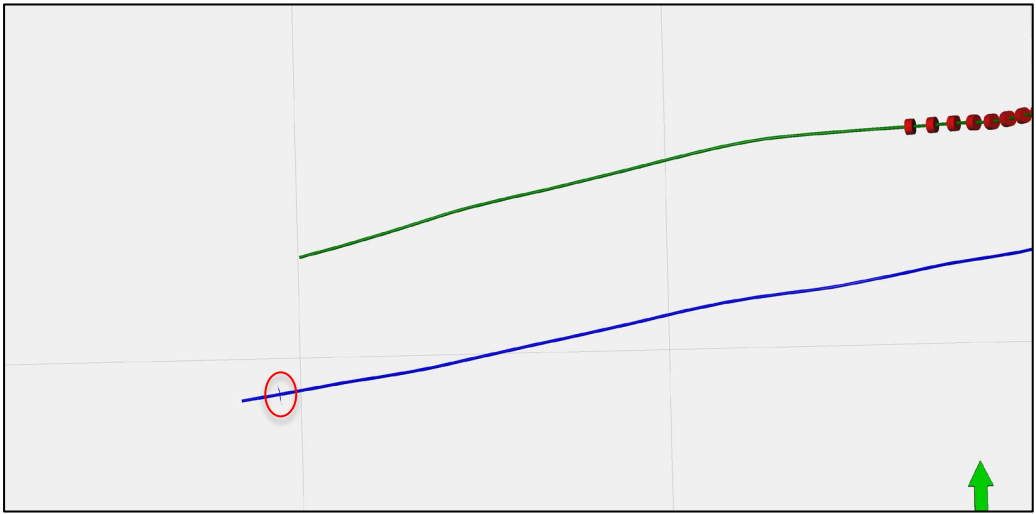


Figure 1. Map View (Grid box 500m by 500m), red circle to highlight fracture model within.

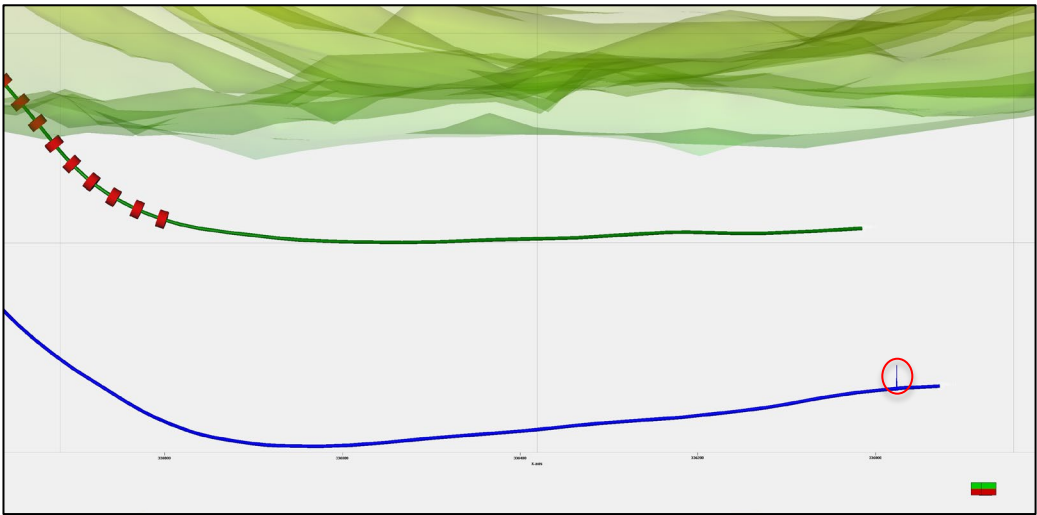


Figure 2. X-section due north (Depth box 200m by 500m), red circle to highlight fracture model within.

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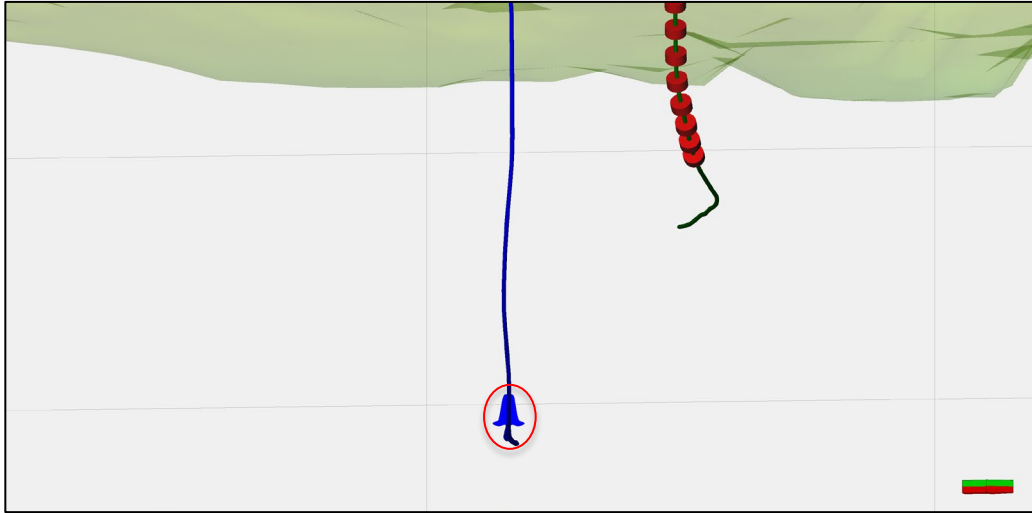


Figure 3. X-section due east (Depth box 200m by 500m), red circle to highlight fracture model within.

- Maximum hydraulic fracture half length: 15.42 m
- Maximum hydraulic fracture height at well: 42.39m

#### Well Integrity Status

- No change

#### Induced Seismicity of Note

- No induced seismicity of note

#### Update to Stress Magnitude

- $S_{Hmin} = 0.0152 \text{ MPa/m}$

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