

<b>Morning Report PNR1z</b>				
<b>Management System:</b>	HSE		<b>File Name:</b>	011-PNR1z-18.10.18-RMR
<b>Approver:</b>	Senior Geoscientist		<b>Version No:</b>	1
<b>Reviewer:</b>	Frac Manager		<b>Date of Issue:</b>	19 <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	19/10/2018	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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## Summary

Overview of day's operations:

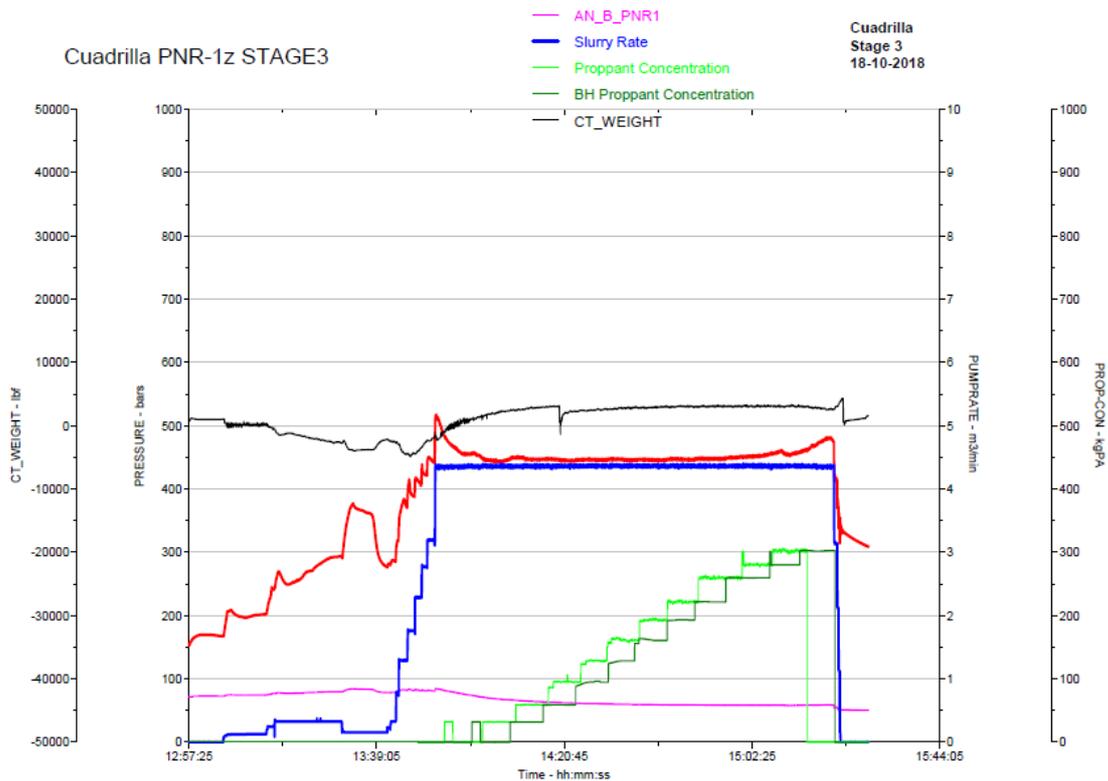
- 1x Slickwater Frac with Proppant
- Flow back performed – 97.03 m<sup>3</sup>
- No Induced seismicity or any red line boundary breached

## Injection Summary

### Stage 03

Injection Depth m (RT)	Volume (fluid m3, proppant tonne)	Fluid System	Additives (type, mass kg)
3339.17 M MDRT	Slickwater Frac (393.8 m3 & 50.8 T)	Slickwater	B528 Friction Reducer, Slickwater Frac – 87 kg
2282.96 M TVDRT			

## Injection Chart

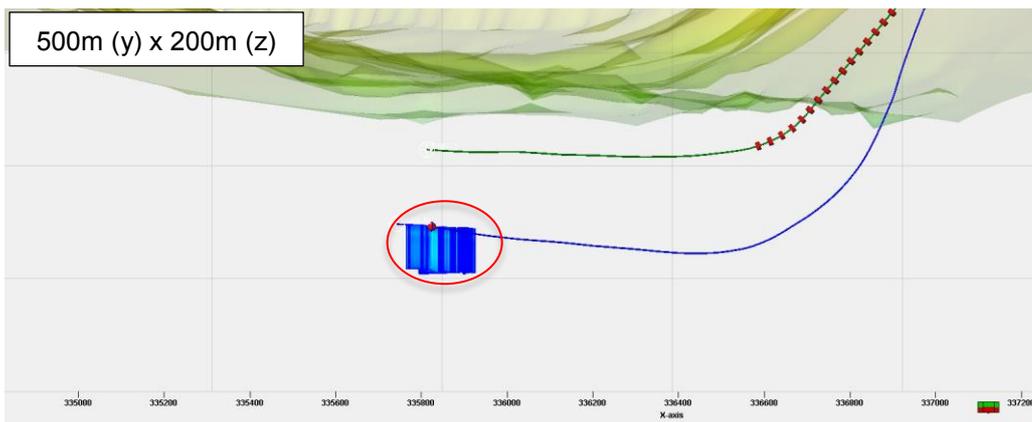


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## Fracture Growth

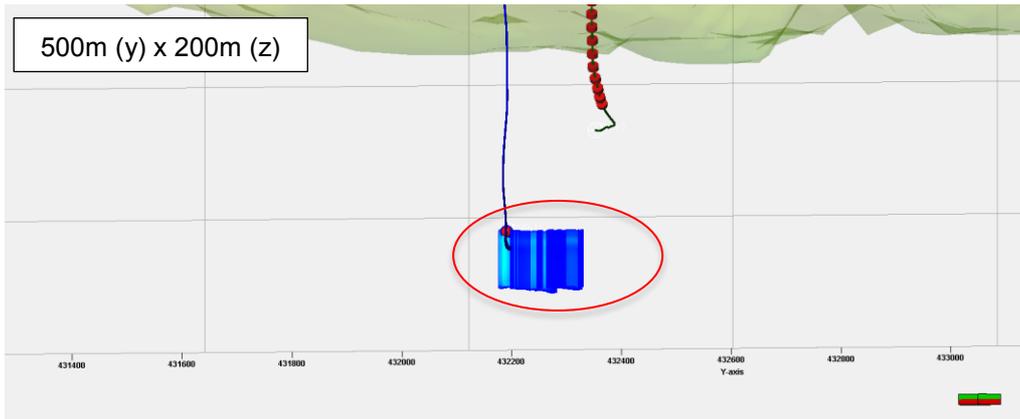


- Map View, scale north bar



- X-section due north

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- X-section due east
- Max hydraulic frac half length: 193.87 m
- Hydraulic frac height at well: 106.87 m

### Well Integrity Status

- No change

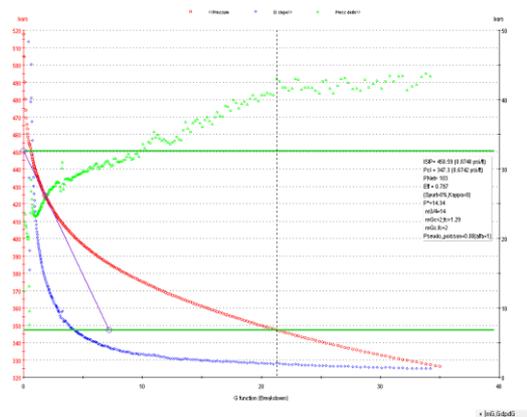
### Induced Seismicity of Note

- No induced seismicity of note

### Update to Stress Magnitude

No update to stress magnitude as closure was not observed

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



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