

Morning Report PNR1z

Management System:	HSE	File Name:	008-PNR1z-15.10.18-S01-RMR	
Approver:	Senior Geoscientist	Version No:	1	
Reviewer:	Fracture Manager	Date of Issue:	16 th October 2018	
Author:	Senior Geoscientist	Proposed date of Review:	n/a	
Version	Section	Revision Information	Date	Reviser
0.1	All	Draft Publication	16/10/2018	Senior Geoscientist
<i>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.</i>				

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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

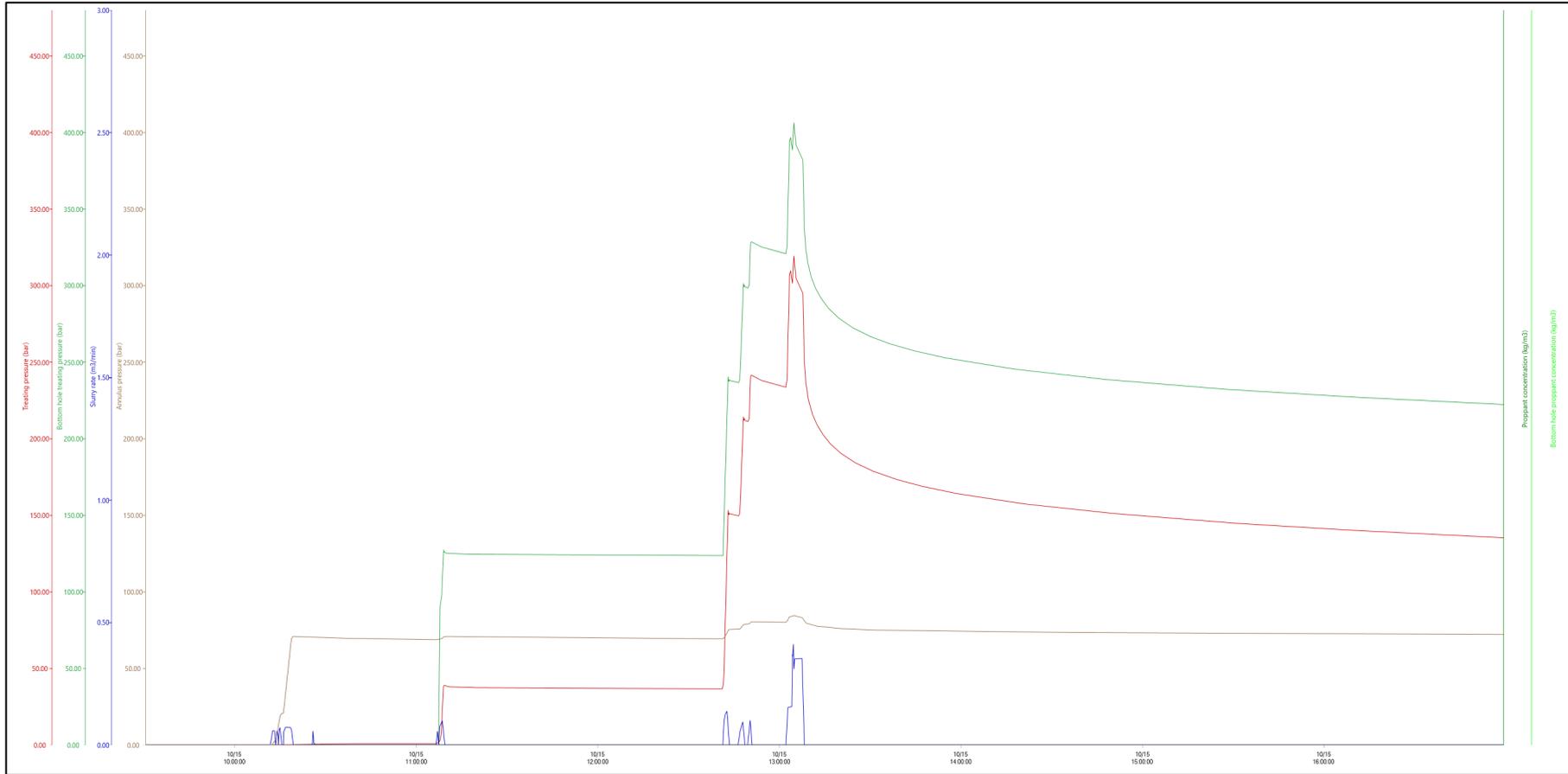
2.0 Injection Summary

Stage 01

Injection Depth m (RT)	Volume fluid (m ³)	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

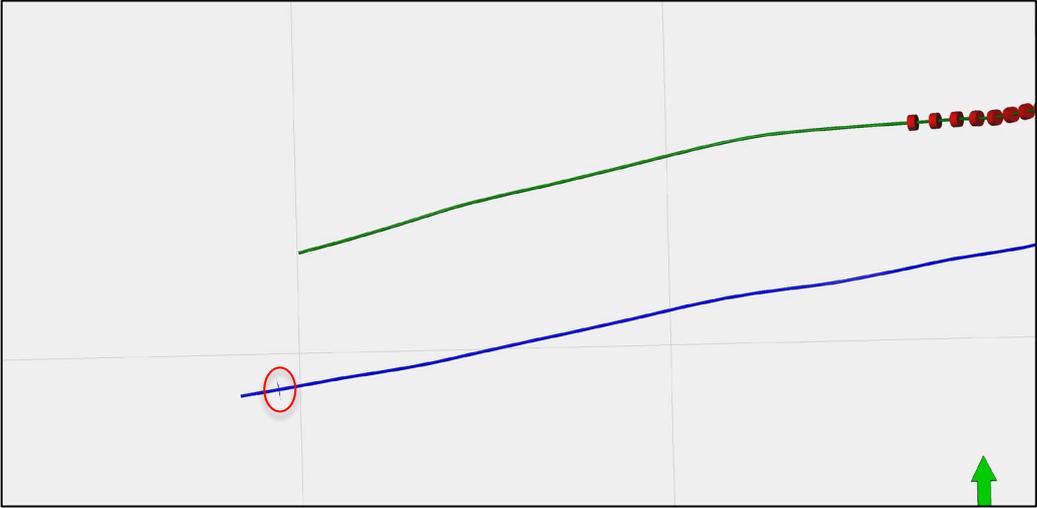


Figure 1. Map View (Grid box 500m by 500m), red circle to highlight fracture model within.

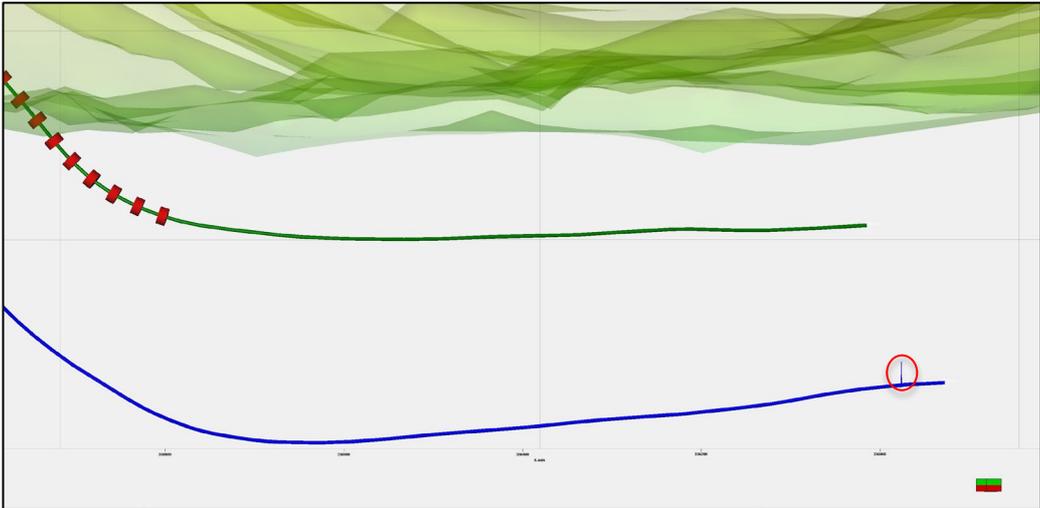


Figure 2. X-section due north (Depth box 200m by 500m), red circle to highlight fracture model within.

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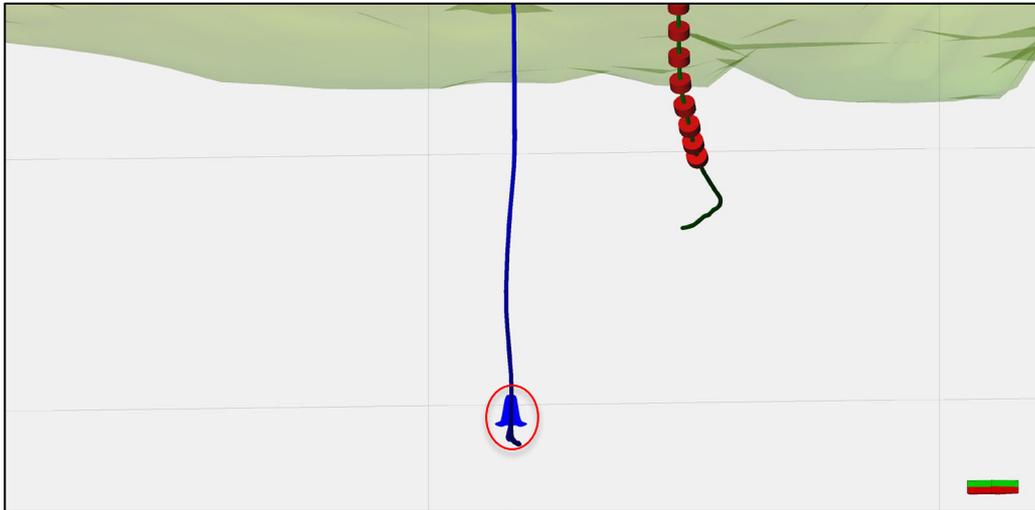


Figure 3. X-section due east (Depth box 200m by 500m), red circle to highlight fracture model within.

- 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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