

Morning Report PNR1z

Management System:		HSE	File Name:	020-PNR1z-27.10.18-RMR	
Approver:		Senior Geoscientist	Version No:	1	
Reviewer:		Frac Manager	Date of Issue:	28 th October 2018	
Author:		Senior Geoscientist	Proposed date of Review:	n/a	
Version	Section	Revision Information		Date	Reviser
0.1	All	Draft Publication		28/10/2018	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:

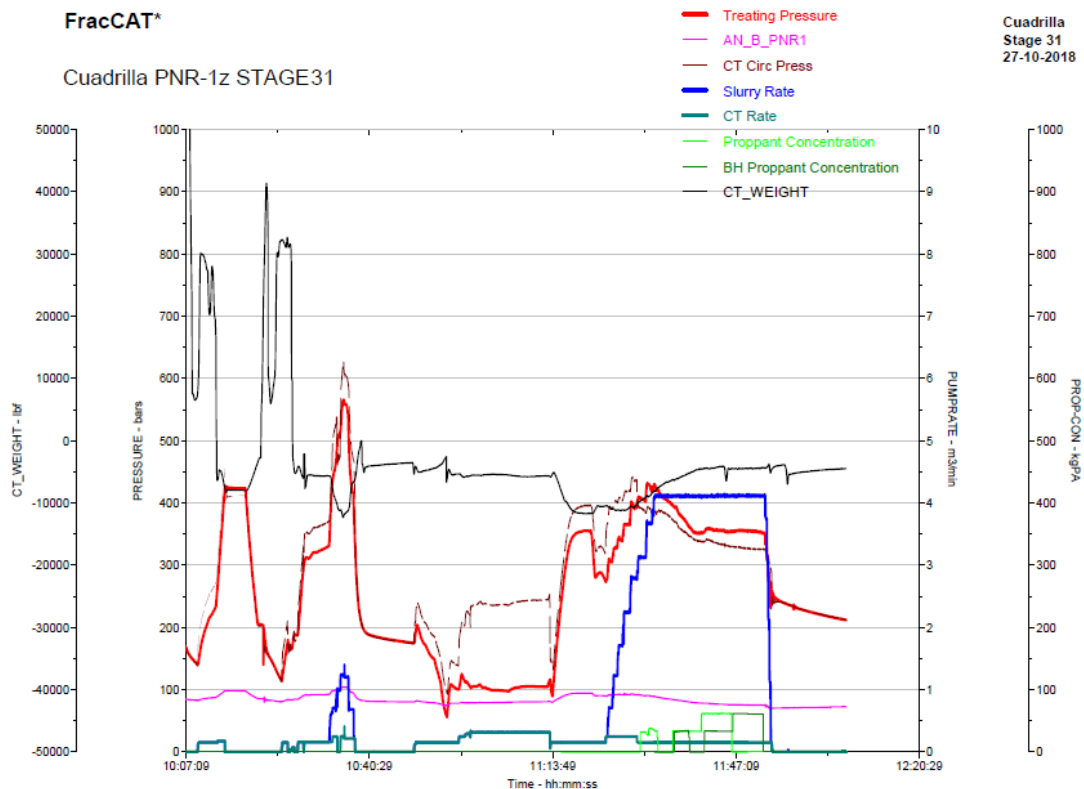
- 1x Diagnostic Injection test + 1x Main Frac into Stage 31
- Flow back performed – 9.18 m³
- Induced seismicity at:
 - 11:55:25 – M_L = 0.78 [Red] - Trailing
- No red line boundary breached

Injection Summary

Stage 31

Injection Depth m (RT)	Volume (fluid m3, proppant tonne)	Fluid System	Additives (type, mass kg, %)
-2840.71 M MDRT	Slickwater Frac (111.7 m3 & 2.4 T)	Slickwater	B528 Friction Reducer, Slickwater Frac – 27 kg – 0.02 %
-2335.78 M TVDRT			

Injection Chart

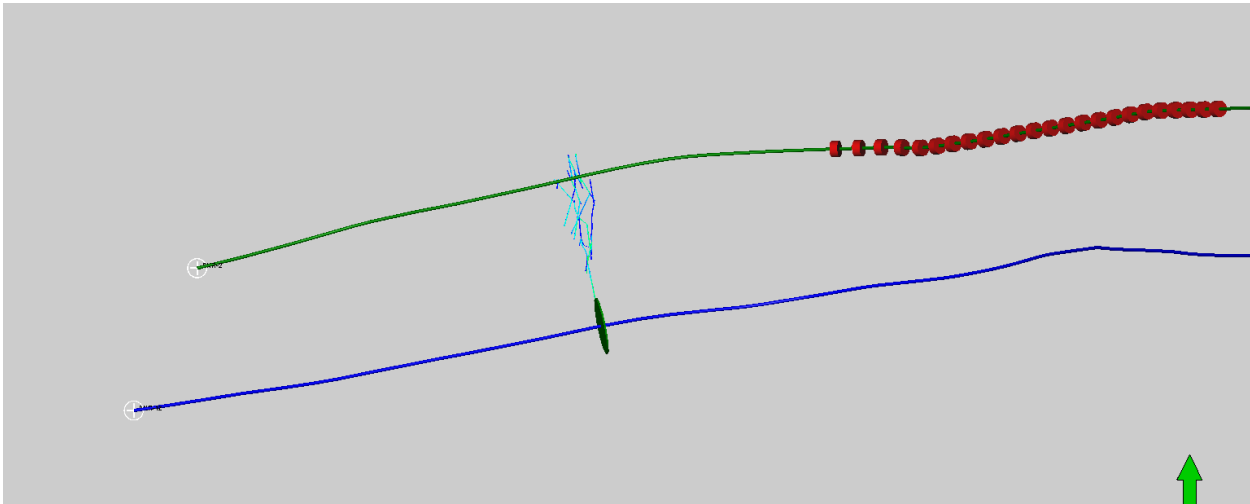


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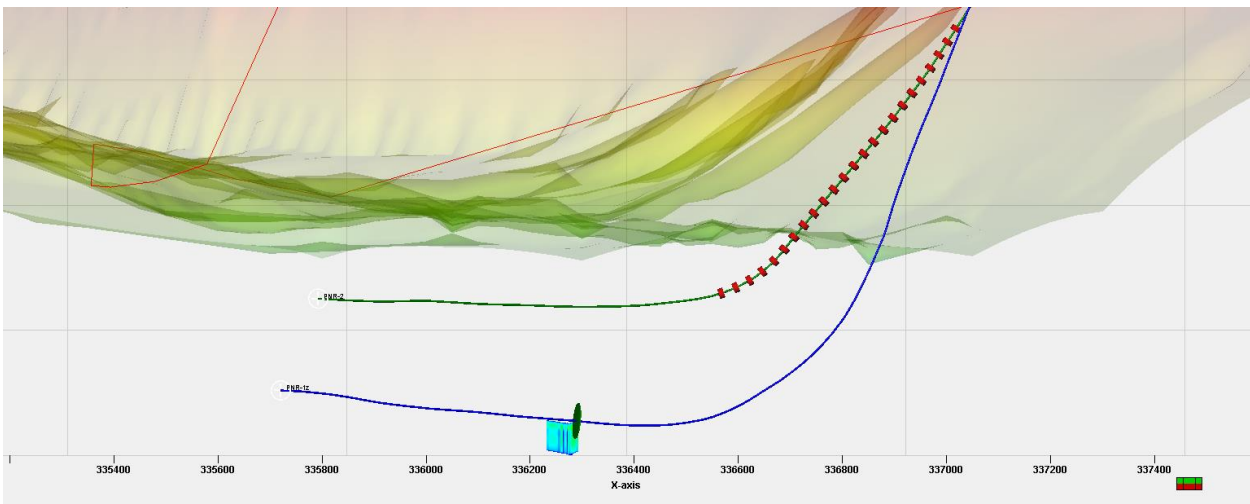
Pumping Time:

1) 27/10/2018 11:23:50 – 27/10/2018 11:53:41

Fracture Growth

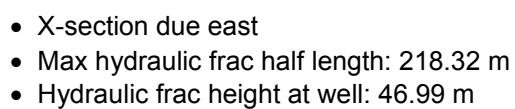


- Map View, scale north bar



- X-section due north

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- No change

- 27/10//2018 11:55:25 = $M_w = 0.61$ & $M_L = 0.78$

No update to stress magnitude as closure was not observed

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