

Morning Report PNR1z

Management System:		HSE	File Name:	012-PNR1z-19.10.18-RMR	
Approver:		Senior Geoscientist	Version No:	1	
Reviewer:		Frac Manager	Date of Issue:	20 th October 2018	
Author:		Senior Geoscientist	Proposed date of Review:	n/a	
Version	Section	Revision Information		Date	Reviser
0.1	All	Draft Publication		20/10/2018	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:

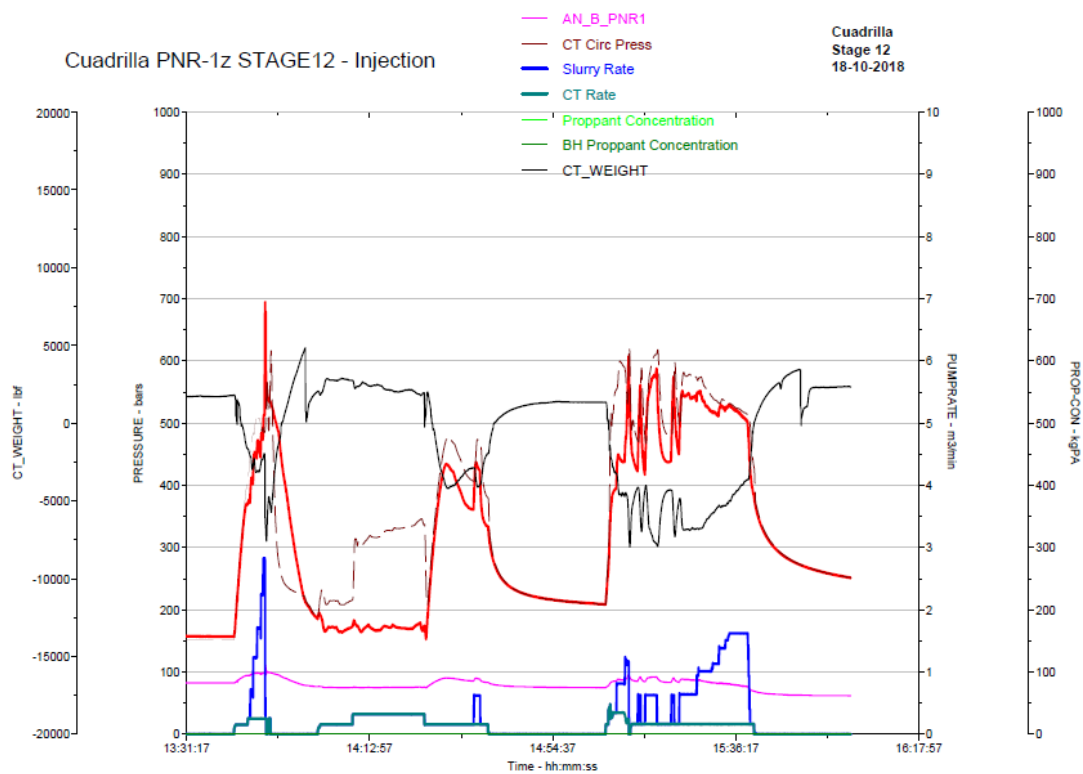
- Attempt at injection into Stage 12
- Flow back performed – None performed
- No Induced seismicity or any red line boundary breached

Injection Summary

Stage 12

Injection Depth m (RT)	Volume (fluid m3, proppant tonne)	Fluid System	Additives (type, mass kg)
3180.775 M MDRT	Slickwater Frac (33.9 m3 & 0 T)	Slickwater	B528 Friction Reducer, Slickwater Frac – 9 kg
-2306.54 M TVDRT			

Injection Chart



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Fracture Growth

- Max hydraulic frac half length: None Seen
- Hydraulic frac height at well: None Seen
- Difficulty in injecting into the formation

Well Integrity Status

- No change

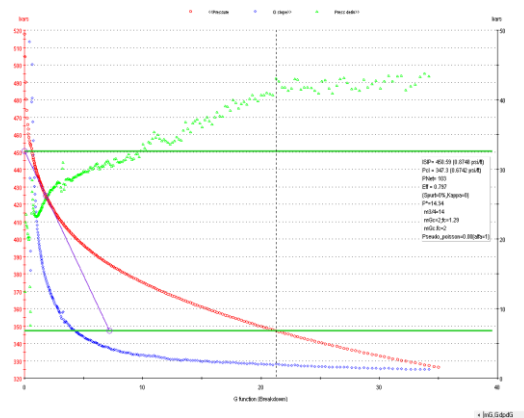
Induced Seismicity of Note

- 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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