Morning Report PNR1z								
Management System:			HSE	File Name:			023_PNR1z_30.10.18- RMR	
Approver:			Senior Geoscientist	Versi	Version No:		1	
Reviewer:			Frac Manager	Date	Date of Issue:		31 th October 2018	
Author:			Frac Engineer		Proposed date of Review:		n/a	
Version	Section	Re	vision Information		Date		Reviser	
0.1	All	Dra	aft Publication		31/10/2018		Frac Engineer	

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.

Summary

Overview of day's operations:

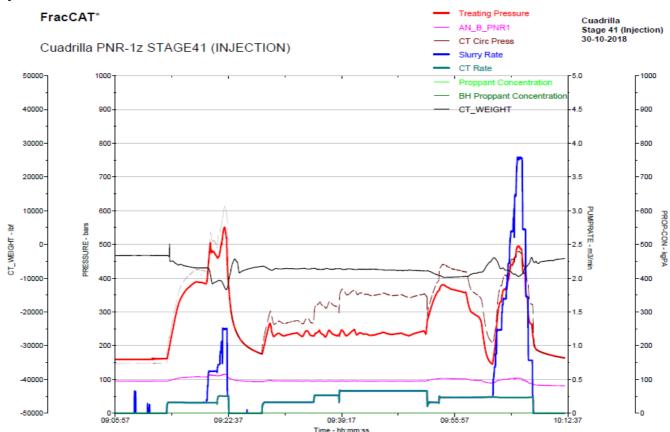
- Minifrac Operation Performed on Stages 41 & Stage 39
- Flowback performed none
- Induced seismicity none
- No red line boundary breached

Injection Summary

Stage 41

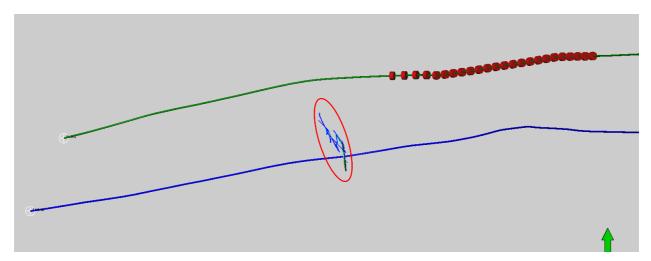
Injection Depth m (RT)	Volume (fluid m3, proppant tonne)	Fluid System	Additives (type, mass kg, %)	
-2664.26 M MDRT	Slickwater (15.7 m³)	Slickwater	B528 Friction Reducer,	
-2343.18 M TVDRT	10% HCl (1 m³)	HCI	Slickwater – 5 kg – 0.02%	

Injection Chart

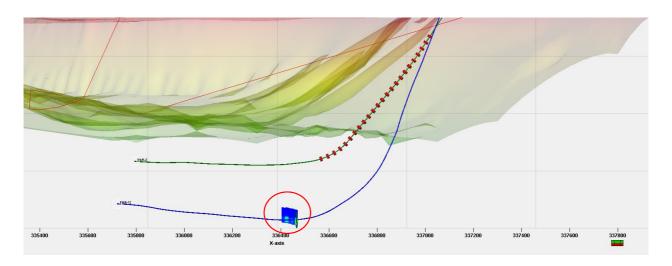


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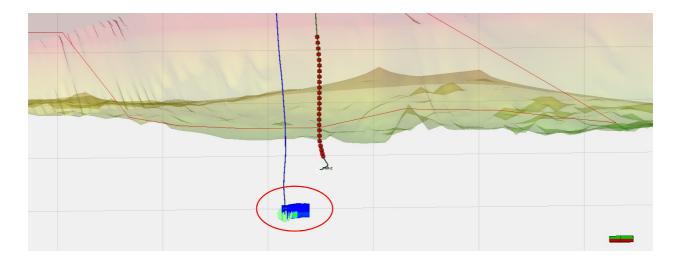
Fracture Growth



• Map View, scale north bar



• X-section due north



• X-section due east

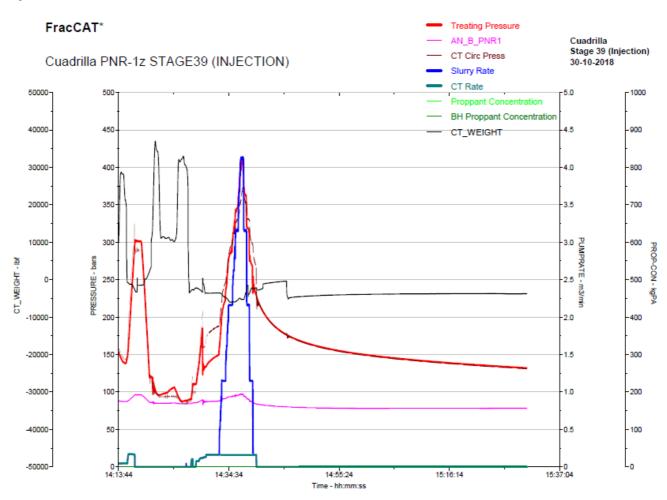
Max hydraulic frac half length: 127.3 m
Hydraulic frac height at well: 64.90 m

Injection Summary

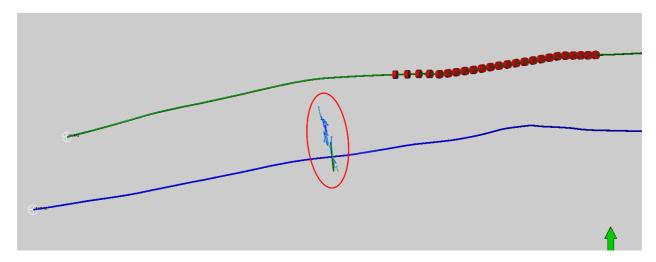
Stage 39

Injection Depth m (RT)	Volume (fluid m3, proppant tonne)	Fluid System	Additives (type, mass kg, %)	
-2699.57 M MDRT	Slickwater (15.3 m³)	Slickwater	B528 Friction Reducer, Slickwater – 5 kg – 0.02%	
-2344.48 M TVDRT	Shekwater (13.3 m)	Shekwater		

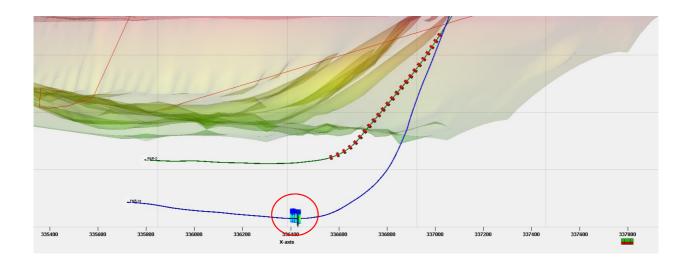
Injection Chart



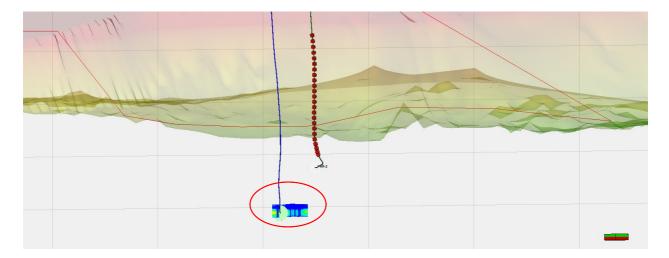
Fracture Growth



• Map View, scale north bar



• X-section due north



• X-section due east

Max hydraulic frac half length: 156.8 mHydraulic frac height at well: 41.79 m

Well Integrity Status

• No change

Induced Seismicity of Note

None

Update to Stress Magnitude

No update to stress magnitude as closure was not observed

• S_{Hmin} = 0.0152 MPa/m

