

## QUARTER CIRCLE 24-7HZ

### SUBJECT WELL INFORMATION

API: 05-123-46268

Surface Casing Set Depth: 1834' MD

Baseline surface casing pressure = 0 psig

### BACKGROUND

A rise in Bradenhead pressure of 200 psi over the baseline pressure was recorded on 8/13/18 at approximately 18:14, and was subsequently reported. The rise in Bradenhead pressure occurred within a 24 hour time-frame of frac operations.

### OVERVIEW OF PRESSURE EVENT

Stage 2 of the Quarter Circle 24-7HZ was being fraced when the Bradenhead pressure increase of 200 psi over baseline occurred. The graph on the right plots the surface casing pressure during frac operations. The Bradenhead pressure went down when the stage ended without being blown down.

This surface casing pressure increase may be related to ballooning of the casing caused by pumping.

### NEXT STEPS

This analysis is still on-going. The Bradenhead pressure is being closely monitored. A post-frac form 17 will be taken and a full analysis will be done for the root cause if the Bradenhead pressure is > 50 psig.

