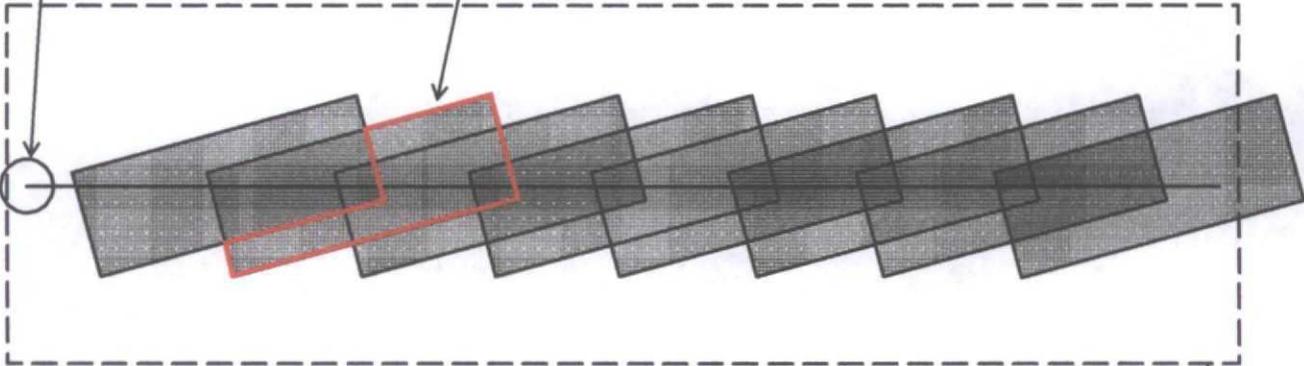




Yates Petroleum  
(Alternate Orientation)  
Quijote BQJ State 1H  
480' FWL & 1980' FNL  
Sec 2E 26S 32E

Surface  
Location

Average size of microseismic frac  
clouds. Red outline is added SRA from  
stages 2 through 8.



Microseismic data indicated frac clouds averaged 550' of half length, 400' width, and 200' height with orientation of N75°E. Without overlap, stimulated reservoir area (SRA) is 2.3 million sq ft. Proration unit area less setbacks is 6.1 million sq ft. SRA to proration unit ratio is 38%. Loss of SRA due to poor wellbore orientation is 34%.

Scale 1" = 700 feet

Equivalent 160 acre proration unit with setbacks to end boundaries spaced equidistantly to the ends of the frac clouds.

Section  
Outline

*Yates*

Oil Conservation Commission  
Case No. 15035715044  
Exhibit No. 15