



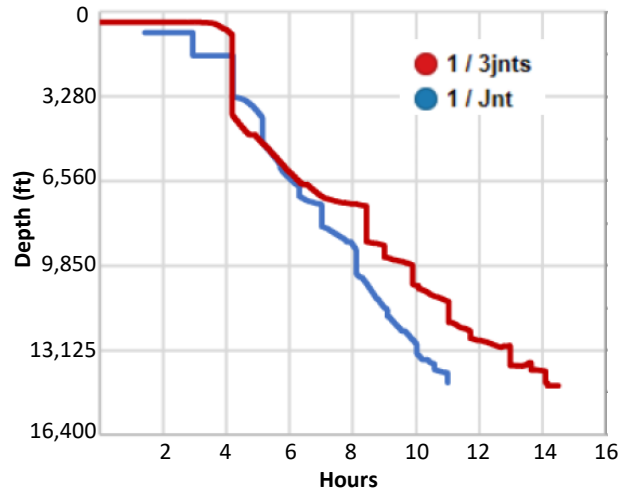
# Disrupter® Placement Strategy Case Study



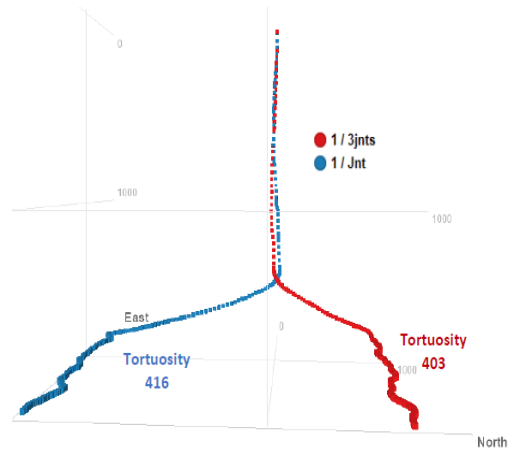
## Disrupter® centralizers 1 per joint vs. 1 per 3 joints

### Maximized Efficiency implementing the Disrupter®

- Disrupters® 1/jt increased run speed by **30%**
- Disrupters® 1/jt increased available HKLD at TD by **10%**
- Disrupters® reduced FF in open hole by **15%**
- Both runs floated in lateral, without rotation
- Both wells had a Tortuosity index over 400
- Same pad, same rig



Well	TD (ft)	Lateral Length (ft)	HRS	Run Speed (ft/hr)
Well 1 1/3jnts	14,528	8,146	13.63	1,157
Well 2 1/jt	14,341	7,841	9.6	1,755



### Reached TD in a more tortuous well, 30% faster and with more HKLD available at TD

