



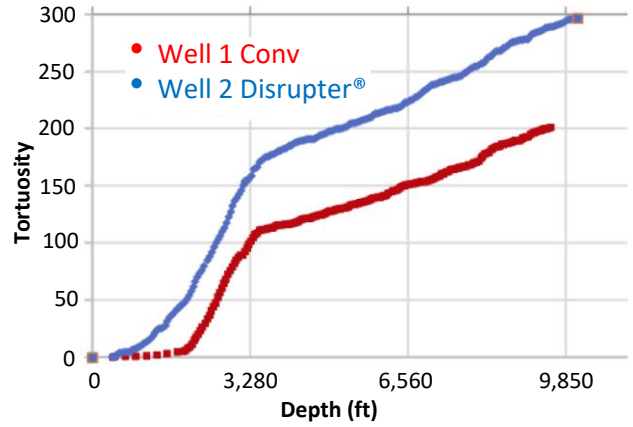
Extended Reach Case Study

Disrupter® centralizers vs. Conventional centralizers

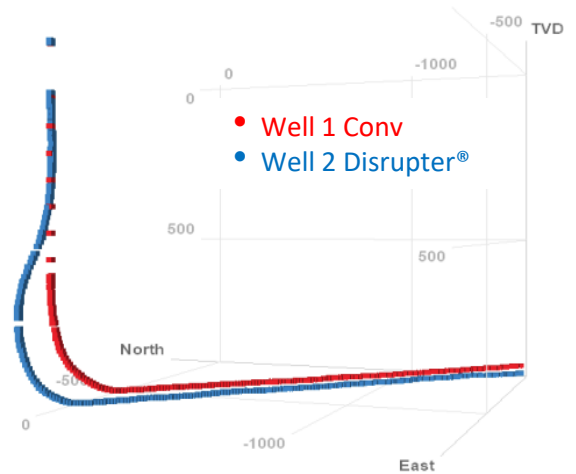


Maximized Efficiency implementing the Disrupter®

- Both wells were run 1/jt from KOP – TD
- Disrupters® well was **47%** more tortuous than offset
- Disrupters® increased run speed by **26.5%**
- Disrupters® increased available HKLD at TD by **35%**
- Disrupters® reduced FF in open hole by **25%**
- Both runs were without rotation
- Same pad, same rig



Well	TD (ft)	HRS	Run Speed (ft/hr)
Well 1 Conv	9,843	6.8	1,448
Well 2 Disrupter®	10,086	5	2,017



Reached TD with 35% more available HKLD and 25% less Friction than conventional centralizers

