

4. Pick up 4.5 inch tubing x 7 inch retreivematic packer.
TI x SET packer at 2500'.

5. Frac core Down 4 1/2 inch tubings at 30 BPM with 9500
gallons 40 lb crosslinked gelled water (use YFPSD, MTIL,
or W6-11 gels systems) containing 1 gal/1000 surfactant,
2% filtered KCl water. 4 hr breaker at 100°F and 52,000 lb
10-20 SAND

Fluid Volume (GAL/BSL)	Slurry Volume (GAL/BSL)	Sand Conc (PPG)	Slurry Pump Rate (BPM)	Stage
2000/47.6	2000/47.6	Pad	30	1
2000/47.6	2344/54.3	4.0	35.5	2
5500/131.0	7502/178.6	8.0	40.9	3
1630/38.9	1630/38.9	Flush	30.0	4

6. This frac will last about 10 minutes. ST well overbite

7. TO laying down 4.5 inch tubing. TI x 2 7/8 inch tubing
x bit sand clean out to 2650. Land 2 7/8 inch tubing at 2640
x seating nipple x sawtooth collar on bottom. Be sure seating
nipple is below perf as far as possible so pump can
be landed in nipple if necessary. Sand well in x put on prod.

Notes: This is a High Conductivity Frac

1. Use OTTAWA or St Peters Sand

2. Use filtered water for everything, make sure all tanks
are clean.

3. Use pipe dope on pw ends only. 4 1/2 inch tubing was
used very recently on a CO₂ frac. Should be fairly clean if it isn't
clean out x casing scraper and circulate while rotating
pipe.

