

MARALO, INC.
WILD TURKEY "9" STATE, #1
LIVINGSTON RIDGE; DELAWARE E.

4. TIH w/Sonic Hammer tool on 2 7/8" tbg. While in circulation mode (annulus open), pull tool across Zone 1 perforations while pumping 2% KCl wtr. Drop down and close annulus. Pull tool across Zone 1 perfs in injection mode while pumping 750 gals 15% NEFE.
5. Pull up and breakdown Zone 2 perfs w/2% KCl wtr w/tool in circulation mode. Drop down and close annulus. Pull tool across Zone 2 perfs in injection mode while pumping 750 gals 7 1/2% NEFE.
6. Pull up hole and breakdown Zone 3, 4 and 5 perfs w/tool in circulation mode while pumping 2% KCl wtr.
7. TIH w/RBP, pkr & tbg to +/- 8900'. Set RBP. PU to +/- 8850' & set pkr isolating Zone 1.
8. Swab and evaluate.
9. If warranted, acidize Zone 1 perfs w/1500 gals 15% NEFE down tbg at a rate of +/- 3 BPM.
10. Swab back load and evaluate. Depending on results, determine if zone will be commingled w/other zones or plugged off w/CIBP. If CIBP is to be set, run before placing well on pump.
11. Release pkr. Drop down & catch RBP. Pull up hole & set RBP @ +/- 8850' & set pkr @ 8650'.
12. Frac Zone 2 perfs w/14,000 gals Spectra-frac G-3000 + 21,000# 20/40 Ottawa sand + 9000# 20/40 resin coated sand down tbg at a rate of +/- 8 BPM w/ an anticipated treating pressure of 3500 psi. Pump as follows:
 - a) 7,000 gal gel pad
 - b) 500 gal gel + 1 ppg 20/40 sand
 - c) 500 gal gel + 2 ppg 20/40 sand
 - d) 1,000 gal gel + 3 ppg 20/40 sand
 - e) 1,000 gal gel + 4 ppg 20/40 sand
 - f) 2,500 gal gel + 5 ppg 20/40 sand
 - g) 1,500 gal gel + 6 ppg 20/40 resin coated sand
 - h) flush to top perf w/slick 2% KCl wtr
13. Release pkr. Drop down and catch RBP. PU and set RBP @ +/- 7450' & pkr @ +/- 7250' isolating Zone 3.
14. Frac Zone 3 w/12,500 gals Spectra-frac G-3000 carrying 19,500# 20/40 Ottawa sand + 7500# 20/40 resin coated sand down tbg at a rate of +/- 8 BPM. Pump as follows:
 - a) 750 gals 7 1/2 % NEFE spearhead
 - b) 1,200 gals slick 2% KCl wtr spacer
 - c) 6,250 gals gel pad
 - d) 500 gals gel + 1 ppg 20/40 sand
 - e) 500 gals gel + 2 ppg 20/40 sand
 - f) 1,000 gals gel + 3 ppg 20/40 sand
 - g) 1,000 gals gel + 4 ppg 20/40 sand
 - h) 2,500 gals gel + 5 ppg 20/40 sand
 - i) 1,250 gals gel + 6 ppg 20/40 resin coated sand
 - j) flush to top perf w/slick 2% KCl wtr
15. Release pkr. Drop down and catch RBP. PU and set RBP @ +/- 7250' and pkr @ +/- 7100' isolating Zone 4.
16. Frac Zone 4 w/9500 gals Spectra-frac G-3000 + 14,500# 20/40 Ottawa sand + 6000# 20/40 resin coated sand down tbg at a rate of +/- 8 BPM. Pump as follows:
 - a) 500 gals 7 1/2% NEFE spearhead
 - b) 1,200 gals slick 2% KCl wtr spacer
 - c) 4,500 gal gel pad
 - d) 500 gal gel + 1 ppg 20/40 sand
 - e) 500 gal gel + 2 ppg 20/40 sand
 - f) 500 gal gel + 3 ppg 20/40 sand
 - g) 1,000 gal gel + 4 ppg 20/40 sand
 - h) 1,500 gal gel + 5 ppg 20/40 sand
 - i) 1,000 gal gel + 6 ppg 20/40 resin coated sand
 - j) flush to top perf w/slick 2% KCl wtr.