

D3

## FRAC PROCEDURE

WELL:

Pauline 6

DATE:

6-30-92

## OBJECTIVE: Frac

7702-7706'

as shown below at

5

BPM.

Zone will be fraced with 1200 gal. 35# linear prepad, 6100 gal. 35# XL + 15000# 20/40 resin coated

## FRAC SCHEDULE:

Stage	Fluid Volume (gal.)	Proppant Conc. (ppg)	Lbs. Proppant	Clean Volume (bbls.)	Dirty Volume (bbls.)	Cumul. Dirty Volume
Prepad	1200	0	0	29	29	29
Pad	2400	0	0	57	57	86
1	1200	2	2400	29	31	117
2	1200	4	4800	29	34	151
3	1300	6	7800	31	39	190
Flush	1850	⊗	0	44	44	234
	9150		15000	218	234	

## ADDITIVES:

- 15000 lbs. 20/40 resin coated sand
- 242 bbls. clean 2% KCl water (incl. tank bottoms, flush)
- 6 lbs. Frac-Cide 20 biocide (6#/frac tank premixed)
- 356 lbs. J-4 low residue, high yield guar gel (35 #/1000 gal premixed)
- 254 lbs. Adomite Aqua FLA (25 #/1000 gal. premixed)
- 12 gal. B-31 amine x-link catalyst (2 gal./1000 gal. on the fly)
- 41 lbs. B-5 ammonium persulfate breaker (4 #/1000 gal. premixed)
- 15 lbs. CL-2 crosslinker (1.5 #/1000 gal. premixed)
- 10 gal. Clay-Master 4 (1 gal./1000 gal. premixed)
- 20 gal. Nine-40 nonemulsifier (2 gal./1000 gal. premixed)
- 22.2 gal. Acfrac activator for resin coated sand (6 gal./1000 gal. prop laden)

## COMMENTS:

- Pump job at 5 BPM down 2-7/8" tubing.
- Use clean frac tank. Add bactericide to water when filling tank.
- Have service company engineer run breaker tests to determine actual breaker loading required at 135± deg. F the night before job is to be pumped. Use water from actual frac tank and chemicals, including activator, that will actually be pumped.
- When sand runs out, bypass blender tub and begin flush. DON'T WANT SAND CONCENTRATION DILUTED AT END OF JOB.
- ⊗ Displace frac 3 bbls. short of top perf with base gel. DO NOT OVERFLUSH FRAC.

kbcollins/frac2bb.wk1