

1351

FRAC PROCEDURE

WELL: Pauline ALB SL-6

DATE: 6-30-92


OBJECTIVE: Frac

8037-8045

as shown below at 6-7 BPM.

Zone will be fraced with 1600 gal. 35# linear prepap, 10700 gal. 35# XL + 24000# 20/40 resin coat


FRAC SCHEDULE:

Stage	Fluid Volume (gal.)	Proppant Conc. (ppg)	Lbs. Proppant	Clean Volume (bbls.)	Dirty Volume (bbls.)	Cumul. Dirty Volume
Prepad	1600	0	0	38	38	38
Pad	3200	0	0	76	76	114
1	1500	2	3000	36	39	153
2	3000	3	9000	71	81	234
3	3000	4	12000	71	84	319
Flush	<u>2000</u> 		0	48	48	367
	14300		24000	340	367	

ADDITIVES:

- 24000 lbs. 20/40 resin coated sand
- 364 bbls. clean 2% KCl water (incl. tank bottoms, flush)
- 6 lbs. Frac-Cide 20 biocide (6#/frac tank premixed)
- 536 lbs. J-4 low residue, high yield guar gel (35 #/1000 gal premixed)
- 383 lbs. Adomite Aqua FLA (25 #/1000 gal. premixed)
- 21 gal. B-31 amine x-link catalyst (2 gal./1000 gal. on the fly)
- 61 lbs. B-5 ammonium persulfate breaker (4 #/1000 gal. premixed)
- 23 lbs. CL-2 crosslinker (1.5 #/1000 gal. premixed)
- 15 gal. Clay-Master 4 (1 gal./1000 gal. premixed)
- 31 gal. Nine-40 nonemulsifier (2 gal./1000 gal. premixed)
- 45 gal. Acfrac activator for resin coated sand (6 gal./1000 gal. prop laden)

COMMENTS:

1. Pump job at 6-7 BPM down 2-7/8" tubing.
2. Use clean frac tank. Add bactericide to water when filling tank.
3. Have service company engineer run breaker tests to determine actual breaker loading required at 140± 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.
4. When sand runs out, bypass blender tub and begin flush. DON'T WANT SAND CONCENTRATION DILUTED AT END OF JOB.
-  5. Displace frac 3 bbls. short of top perf with base gel. DO NOT OVERFLUSH FRAC.

kbcollins/frac2bb.wk1