

## MKL 14-8 – Fruitland Coal Recompletion Procedure – Continued

9. Load casing & test to 3,000 psi. RIH w/ casing gun to perforate the Upper Fruitland Coal as follows:

2,018 to 2,020	1 spf	2 ft	3 holes
2,022 to 2,026	1 spf	4 ft	5 holes
2,031 to 2,033	1 spf	2 ft	3 holes
2,044 to 2,052	1 spf	8 ft	9 holes
2,075 to 2,080	1 spf	5 ft	6 holes
2,090 to 2,094	1 spf	4 ft	5 holes
<u>2,101 to 2,103</u>	1 spf	<u>2 ft</u>	<u>3 holes</u>
Total		27 ft	34 holes

10. RD WL. Prepare to frac. RU BJ. Acidize/balloff Upper Fruitland Coal perfs via 5 1/2" casing w/ 750 gals 15% HCl Acid with 51 - 7/8" 1.3 SG ballsealers. Estimated rate 6-8 BPM at  $\pm$  1,000 psi. Flush with 2% KCl water. Surge balls off perfs and wait for balls to fall below perfs. Frac the Upper Fruitland Coal via 5 1/2" casing at 60 BPM and  $\pm$  2,000 psi surface treating pressure. Pump  $\pm$  50,000 gallons 70 Quality N2 foam (25# XL base) and  $\pm$  90,000 # 20/40 Arizona Sand and 10,000 # 20/40 RCS. RD BJ.
11. Clean-up frac load, swab and/or CO as needed.
12. PU & RIH with 2 3/8" tubing & cleanout to CIBP w/ N2. Kill well and POOH w/ tubing.
13. PU & RIH with sand line drill and knock out CIBP down to PBTD. (NOT DO)
14. PU TA & RIH w/ 2-3/8" production tubing with production assembly. ND BOP & NU wellhead. PU & RIH w/ 3/4" rods & 1 1/4" BHP. RDMO WOU.
15. Install pumping unit, hang well on. Hookup flow line and rental compressor. Turn well to sales.

CDH 8/24/99