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JUL 30 1993

C. L. D.

Mack Energy Corporation
GJ West Coop Unit #117
Sec 21-T17S-R29E
380 FNL 1650 FWL

Treatment

Acidized perfs 3630-3765 w/1000 gals 15% NE acid;
Acidized perfs 3630-3765 w/15,000 gals 20% NE acid;
Acidized perfs 2561-3580 w/4000 gals 10% NE acid;
Frac perfs 2561-3580 w/160,000 gals gel, 500sx 20/40, 1000sx
12/20 and 1000sx 8/16;
Acidized perfs 2249-2306 w/500 gals 7 1/2% NE acid;
Frac perfs w/500 bbls gel wtr, 100sx 20/40 and 150sx 12/20.