

Attachment "A" to form 9-330 -

Manzano Grande Federal #1, Eddy County, New Mexico.
Lease # NM 28641

PETROLEUM DEVELOPMENT CORPORATION

32 - Acid, Shot, Fracture, Cement Squeeze, etc.

<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
11928-940	1500 gal. 7.5% acid w/100 c.f. nitrogen per bbl; add 6.4 bpm @ 680 psi 10 min; SIP 4000 #, slowed down, swabbed 24 bbls. acid.
11,554-63, 566-574, 11615-26, 646-50, 659-64, 668-70, 693-11,704, 716-20, 734-37, 758-67, 771-74.	5000 gal. 7½% acid w/100 c.f. N ₂ per bbl. AIR 8 bpm @ 6100 psi. Dropped 350 ball sealers. 30 min. SITP 3150 psi. Flowed back, flush and acid.
11282-296, 11350-360	3000 gal. 7½% acid w/100 c.f. N ₂ per bbl. AIR 8.75 bpm @ 7500 psi. 30 min. SITP 3100. Flowed back, flush and acid.