

YATES PETROLEUM CORPORATION
Union AJS Federal #1
Unit J, 1980' FSL & 1980' FEL
Section 8-T21S-R32E
Lea County, New Mexico

#32: Acid, Shot, Fracture, Cement Squeeze, Etc.:

<u>Depth Interval</u>	<u>Treatment</u>
5794-5978'	Acidized with 2500 gallons 7-1/2% HCL NEFE acid and ball sealers. Frac'd (down 5-1/2" casing) with 40000 gallons 35# crosslink gel, 70000# 20-40 Brady sand and 30000# 20-40 resin coated sand.
5308-5616'	Acidized with 3000 gallons 7-1/2% HCL NEFE acid and ball sealers. Frac'd (down 5-1/2" casing) in two stages as follows: Stage 1: 30000 gallons 35# crosslink gel, 52500# 20-40 Brady sand & 22500# 20-40 resin coated sand with ball sealers. Stage 2: 30000 gallons 35# crosslink gel, 52500# 20-40 Brady sand adn 22500# 20-40 resin coated sand.
4996-5190'	Acidized perforations with 1500 gallons 7-1/2% HCL NEFE acid and ball sealers. Frac'd perforations (down 5-1/2" casing) in two stages as follows: Stage 1: 15500 gallons 35# crosslink gel, 27500# 20-40 Brady sand and 12500# 20-40 resin coated sand with ball sealers. Stage 2: 15500 gallons 35# crosslink gel, 27500# 20-40 Brady sand and 12500# 20-40 resin coated sand.
4826-4838'	Acidized perforations with 500 gallons 7-1/2% HCL NEFE acid and ball sealers. Frac'd perforations with 11500 gallons 35# crosslink gel, 20000# 20-40 Brady sand and 10000# 20-40 resin coated sand.