

YATES PETROLEUM CORPORATION
Opera AQG Federal #1
Section 15-T26S-R31E
Eddy County, New Mexico

#31: PERFORATION RECORD:

10044-10048' w/10 .41" holes
9929-9934' w/12 .41" holes
9241-9256' w/14 .42" holes
9136-9150' w/14 .52" holes
7983-8007' w/14 .42" holes
7104-7114' w/6 .42" holes
6906-6912' w/7 .42" holes

#32: ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.:

| <u>DEPTH INTERVAL</u> | <u>TREATMENT</u> |
|-----------------------|---|
| 10044-10048' | Acidized with 1500 gallons 7-1/2% iron control HCL acid |
| 9929-9934' | Acidized with 1500 gallons 7-1/2% iron control HCL acid |
| 9929-10048' | Frac'd with 38000 gallons 30# crosslink gel, 100000# 20-40 Ottawa sand & 30000# 20-40 resin coated sand - screened out with 112000# sand in formation |
| 9241-9256' | Acidized with 1500 gallons 7-1/2% iron control HCL acid & ball sealers |
| 9241-9256' - squeezed | Set cement retainer at 9210'. Established injection rate of 3 BPM at 800#. Mixed & pumped 100 sacks "H" w/4/10% fluid loss - did not squeeze. Mixed & pumped 100 sacks "H" cement. Perfs squeezed to 2000 psi with 160 sacks in formation |
| 9136-9150' | Acidized with 1500 gallons 7-1/2% NEFE acid & ball sealers |
| 7983-8007' | Acidized with 1500 gallons 7-1/2% iron control HCL acid & ball sealers. Frac'd (down 5-1/2" casing) with 17000 gallons 20# crosslink gel, 45000# 20-40 Ottawa sand and 12000# 16-30 Super LC sand |
| 7104-7114' | Acidized with 1500 gallons 7-1/2% iron control HCL acid and ball sealers. Frac'd (via 2-7/8" tubing) with 7000 gallons Delta Frac 20# crosslink gel, 18000# 20-40 Ottawa sand & 3000# 16-30 Super LC sand |