

Santa Fe Exploration Company
Newyear Federal #1
Sec 3-T25S, R29E
Eddy Co NM

TREATMENT:

Spotted 84 gal 10% acid @ 5235'-5110'

PERFORATED: 5220-5229 w/10 holes

ACIDIZED w/1000 gal 10% MSR 100 Acid, AIR 4½ BPM, Max Press 3400#, Avg Press 2000#, Dropped 30 balls, well balled off on last 84 gal acid, Drop balls off hole, Pumped flush (22 bbl KCL wtr, overflushed w/2 bbl, ISIP 700 psi, 5" 550 psi, 10" 550 psi, 15" 525 psi, open to frac tank, flowed 15" ,RU & swab.

PERFED: 3658-3692 w/35 holes (1 spf) Set pkr @ 3370.25

ACIDIZED: w/81 bbl 15% MSR acid w/70 ball slrs, flushed w/17.5 bbl 2% KCL wtr, well balled out, well brk down @ 2700 psi, AIR 5 BPM, Avg press 1800#, ISIP 750#, 5" 750#, 10" 750#, 15" 700#, well flowed back 30 bbl, RU & swab.

PERFED: 3411-3433' (22 holes)

ACIDIZED: w/1680 gal 15% MSR acid, flush w/15.2 bbl KCL wtr, form brk @ 1800 psi, AIR 4½ BPM, Avg Press 2000#, ISIP 900#, 5" 875#, 10" 860#, 15" 860# Well flowed back 60", well died, RU & swab.

FRAC: Set pkr @ 4989.14, Fraced w/2500 gal 2% KCL gelled wtr, 2500 gal Methanol, 4438 std cu ft Nitrogen, 10,500# 10/40 sd & 7500# 10/20 sd, Pumped liquid @ 2.3 BPM, Pump Nitrogen @ 7.5BPM, Avg press 3000, Max press 4000, ISIP 2900, 5" 2200, 10" 2190, 15" 2140, well flowed back 70 BF,

PERFED: 5032-5048', 18 holes

ACIDIZE: 1416 gal MSR 100 15% acid, flushed w/22 bbl 2% KCL wtr Form broke @ 1800, AIR 2680 @ 4.7 BPM, Max Press 4000, drop 32 balls, well balledout, ISIP 800, 5" 640, 10" 630, 15" 620, flowed 24 BF in 1 hr, RU & swb

FRACED: w/5040 gal 2% gelled wtr, 4596 gal Methanol, 6165 std cu ft Nitrogen, 135 CWT 10/20 sd, 225 CWT 20/40 sd, Avg press 3285 @ 13.5 bpm, Max press 3560, ISIP 2400, 5" 2080, 10" 2050, 15" 2040, wait 4 hrs, press 960, open on 1/4" chk, increase to 1/2" chk, flowed 9½ hrs, Rec 131 BF, RU & swb.