

SOUTH EUNICE UNIT NO. 38
CLEAN OUT, OPEN ADDITIONAL PAY, ACIDIZE, AND FRAC

The purpose of this procedure is to clean out, open additional pay, acidize, and frac SEU No. 38 in order to maximize production.

Well Data: TD: 3826' DOD: 3821' TOC: 438' (TS) '0': 10' AGL

Location: 1980' FNL & 660' FEL, Sec. 28, T-22S, R-36E
Lea County, NM

Casing: Surface: 8-5/8", 24#, J-55 @ 369' w/350 sx
Production: 5-1/2", 14#, J-55 @ 3825' w/1270 sx

Completion Data:
Present perfs: 7R-Queen, 4 JSPF @ 3670'-77', 82'-3702',
3714'-27', 54'-62', 72'-3803'
Total: 316 shots

Equipment Data:
Safety factor: 70%
Casing: Burst: 4270 psi * 0.70 = 2989 psi
Collapse: 3120 psi * 0.70 = 2184 psi

Recommended Procedure:

1. MIRU, and if necessary, kill well with 9 lb brine.
2. POOH w/rods and pump.
3. Install BOP.
4. Tag for fill w/2-3/8" tubing and tally out of hole.
5. If fill is above $\pm 3820'$, GIH w/4-3/4" bit, bailer and 2-7/8" workstring.
 - a. Clean well out to $\pm 3820'$.
 - b. POOH.
6. GIH w/4-3/4" bit, 5-1/2" casing scraper and 2-7/8" tubing.
 - a. Run bit to $\pm 3820'$.
 - b. POOH.
7. Prepare to perforate.
 - a. GIH w/4" centralized casing gun, collar locator, and wireline.
 - b. Perforate intervals 3736'-40' and 3744-50' w/2 JSPF, 0.40 EHD and 180° phasing (total: 20 shots)
 - c. POOH w/perforating equipment.

Note: • Casing collars @ 3625'+, 3656'+, 3690', 3722'