

RECOMPLETION PROGNOSIS
 MARALO INC.
 Prohibition Federal Unit #3
 1980' FNL & 990' FEL, Sec. 12, T-22-S, R-52-E
 Bootleg Ridge (Morrow) Field, Lea County, New Mexico

ELEVATIONS: 3618' GL 3637' KB (19' AGL) 14,330' PBTD

CASING: 13 3/8" 54.5# @ 1,200' w/ 950 sx, circ'd
 9 5/8" 36# @ 4,750' w/1750 sx, circ'd
 7" 29# @ 12,050' w/1600 sx, TOC - 3560'
 4 1/2" 15.1# Liner 11,638 - 15,209' w/300 sx, circ'd to liner top

CURRENT

PERFORATIONS: 14,836 - 14,880', plugged off w/CIBP @ 14,799'
 14,396 - 14,617', plugged off w/CIBP @ 14,350'
 13,806 - 13,814', open

PROPOSED

OPERATIONS: Recomplete in Atoka "AD" sand

1. RUPU. Load tbg w/10# brine. Sting out of packer @ 13,732'. TOH w/tbg.
2. TIH w/ cut-over shoe on tbg. Knock out pkr @ 13,732' and push to PBTD. TOH w/tbg.
3. RU wireline. TIH w/4 1/2" CIBP and set @ 13,800' (all depths picked on Apollo GR/CBL/CCL run 01/12/94 - approx. 6' high to open-hole log). Cap w/20' cmt.
4. TIH w/4 1/2" wireline - set permanent packer + on/off tool + two profile nipples (minimum ID - 1.71") on wireline and set @ 13,600'.
5. TIH w/tbg & sting into pkr.
6. Swab fluid level down to 2800' FS to allow 2000 psi underbalanced condition. (anticipated BHP-7700 psi).
7. RU perforators using 1-11/16" thru-tbg strip guns, premium charges and shoot 4 SPF, decentralized, 0 deg phasing @ 13,733', 13,735', 13,736', 13,737', 13,738', 13,739', 13,740' (total 28 holes). Monitor pressure immediately after firing guns. TRD perforators.
8. Flow back well and evaluate.
9. If stimulation required, acidize perms w/1000 gals 7 1/2% "Morrow-type" acid. Pump down tbg at a rate of \pm 2 BPM.
10. Flow back well and evaluate.
11. If additional stimulation is warranted, obtain procedure from Midland office.
12. TIH w/72 hr BHP bombs. Sit well 72 hours for SIBHP build-up.
13. Pull bombs, run 4-point test and place well on production.