

RECOMPLETION PROGNOSIS  
MARALO, LLC  
GR "30" State #2  
1650' FNL & 2310' FWL, Sec. 30, T-23-S, R-30-E  
Nash Draw Field, Eddy County, New Mexico

ELEVATIONS: 3124' GL 3136' KB (12' AGL) 7400' TD 6704' PBTD

CASING:            13 3/8" 48#            @ 375' w/400 sx, circ'd  
                      8 5/8" 32#            @ 3100' w/1150 sx, circ'd  
                      5 1/2" 15.5#        @ 7400' w/1250 sx, DV@5898', TOC-4692'

CURRENT PERFORATIONS: 6479-6487', 6588-6597'

PROPOSED  
OPERATION:

Recomplete in Lower Bell Canyon and commingle with Cherry Canyon

1. RUPU. TOH w/rods, pump, & tbg.
2. PU & TIH w/tbg & RBP and set @  $\pm 5000'$ . Dump sand on top of RBP. TOH w/tbg.
3. RU perforators and TIH w/guns to shoot squeeze holes @  $\pm 4650'$ .
4. TIH w/ cmt retainer & tbg to  $\pm 4620'$ .
5. Pump into perms to establish injection rate. Set retainer. Pump sufficient cement to bring cement above top of Delaware @ 3364' w/perforating cement above 4100'. Sting out of retainer and TOH w/tbg.
6. TIH w/bit, DC's & tbg. Drill out retainer and cement. Pressure test squeeze holes. TOH w/tbg, DC's & bit.
7. TIH w/retrieving head & tbg to RBP @ 5000'. Wash sand off RBP. Catch & release RBP. PU & reset @  $\pm 4300'$ .
8. Pull tbg up to 4145'. Spot 200 gals 7 ½% "mud clean-out" acid. TOH w/ tbg.
9. RU perforators using 4" carrier guns and shoot 2 SPF @ 4126-4132', 4136-4145' (34 total holes).
10. TIH w/5 ½" treating pkr & tbg to  $\pm 4100'$ . Reverse spot acid into tbg. Set pkr.
11. Breakdown perms by pumping away spot acid.
12. Continue treatment by pumping 2500 gals 7 ½% "mud clean-out" acid carrying 65 ball sealers down tbg at a rate of  $\pm 3$  BPM. If ballout occurs, surge off balls and finish treatment.
13. Swab back and evaluate.
14. TOH w/pkr & tbg. TIH w/pumping equipment and place on production.
15. Monitor production. If deemed necessary, obtain frac procedure and frac perms 4126-4145'. If further treatment is deemed unnecessary, pull pumping equipment and commingle production from perms 4126-4145' w/ perms 6479-6597'.