



P.O. Box 552  
Midland, TX 79702-0552  
Telephone 915/682-1626

**WILLOWPEG STATE #1  
1980' FNL & 1980' FWL  
SEC. 35, T-16-S, R-34-E  
LEA COUNTY, NEW MEXICO**

PU 2 7/8" tbg. Drilled DV tool @ 8979'. Pickled tbg & csg w/1000 gals. 15% HCL. Cleaned out csg to 13,110'. Ran CBL 13,106' - 8800'.

Perf'd Morrow 12,778' - 12,783', 12,868' - 12,880', 13,022' - 13,042', 13,060' - 13,070' with 3 1/8" guns, 4 JSPF, 60° phasing. 188 total shots. Set Model "D" pkr @ 12,970'.

Swabbed tbg - no fluid entry.

Acidized L/Morrow 13,022' - 13,070' with 5000 gals HCL & 33 tons CO<sub>2</sub>. ISIP-6658, 5 min - 6420, 10 min - 6310, 15 min - 6285'. Max 8200, min - 7357, Avg - 7353. Max rate - 5.6 BPM, min 2.5 BPM, Avg. - 4.6 BPM, Opened well on 8/64" ck. @ 5400 psi. Flowed 55 BW & CO<sub>2</sub> in 14 hrs.

Acidized L/Morrow 13,022' - 13,070' w/9000 gals HCL & balls for divert. ISIP - 7060, 5 min - 6827, 10 min - 6773, 15 min - 6658. Opened well on 16/64" ck. W/3500 FTP. Rec. 28 BW. Flowed well for 4 hrs & died.

Ran bottom hole pressure bombs.

Opened sliding sleeve & swabbed upper perms with no recovery.