

Attachment for 9-331, Government U #1, dated 11/27/79.

T.D. 11,490'. PBTD 10,915'. Morrow perfs 11,001-11,131' (P&A)  
Wolfcamp perfs 9,119- 9,216'

MIRU pulling unit. Loaded tbg and killed morrow well w/60 bbls 10#/gal BW. ND WH NU BOP. Released pkr. POOH w/tbg & pkr. RIH w/4-5/8" RB & 5½" csg scraper & cleaned out to PBTD. Set CIBP at 10,950' to P&A depleted morrow zone, dumped 4 sx cmt on top of CIBP (35') for new PB & D 10,915'. Jet perf 2 sqz holes w/4" Hyper jet II csg gun at 9,135'. Tested plug of morrow zone to 1000# - ok. Mixed & pumped 150 sx class H w/0.6 of 1% Halad 9. Displaced entire batch out sqz holes at max press 1000#. W/RTTS set at 8,946' press 2-7/8" x 5½" annulus to 1500# - ok. PI sqz holes at 9,135' at 2 B/M at 1850#. Pumped 150 sx class H w/0.6 of 1% Halad 9. Displaced 138 sx in formation and left 12 sx in csg below RTTS at max press of 2000#. Reset RTTS at 8,856'. Repress csg & tbg to 1500#. Released RTTS & POOH. Drld out cmt to 9,165' & fell free. Ran bit to PBTD 10,915'.

CHC & POOH. GIH w/RTTS on 2-7/8" tbg. Set pkr at 8,826'. Press 5½" csg. annulus to 1500# for 15 mins - ok. & tbg to 2000# for 15 mins - ok. Released RTTS & POOH.

RIH w/4-5/8" RB & 2-7/8" EUE tbg to PBTD 10,915'. Circ hole w/ 10#/gal BW. POOH to 9,256'. Spotted 200 gals 10% Acetic acid 9,256 - 9,056'. POOH. RU. Jet perfd WC 2 shots/interval using 4" Hyper Jet II csg gun: 9,119, 9,124, 9,129, 9,139, 9,142, 9,144, 9,146, 9,148, 9,150, 9,152, 9,154, 9,163, 9,165, 9,179, 9,181, 9,190, 9,202, 9,206, 9,210, 9,211, 9,212, & 9,216. Total 44 0.46" entrance holes w/14.13" penetration. RIH w/tbg & set pkr at 9,028' in 10 pts compression. Press annulus to 500# - ok. ND BOP. NU WH & Floline. RU Tree saver. Acidized WC perfs 9,119- 9,216' w/4500 gals 15% HCL w/additives using 750 SCF N2/bbl & 66 7/8" RCNCB's. Had good ball action but did not ball out. Press tbg-csg annulus to 3000# - ok. Opened to pit on 1"ck. RIH w/ 72 hr BOMB to 9,170' w/well flowing. Shut well in for BHP BU. 72 hr SITP 2,657 DW, POOH w/72 hr BOMB. WIH w/24 hr BHP BOMB. Set at 9,170' flwd 4 pt test from WC zone:

| <u>TIME</u> | <u>GAS RATE MCFD</u> | <u>CHOKE</u> | <u>FTP</u> | <u>BP</u> |
|-------------|----------------------|--------------|------------|-----------|
| 1 hr        | 586                  | 16/64"       | 1855#      | 351#      |
| 1 hr        | 621                  | 18/64"       | 1740#      | 350#      |
| 1 hr        | 761                  | 20/64"       | 1550#      | 355#      |
| 1 hr        | 887                  | 24/64"       | 1268#      | 370#      |

Recovered 5 bbls 56.0° API at 60° distillate, 0 wtr, during 4 hr test period. CAOF 1,335 MCF/day.

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DEC 3 1979

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ARTESIA, NEW MEXICO