

Form C-103

Empire Abo Unit "E" #391  
September 8, 1976

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Flwd to test tank 1 hr, rec 16 BLO & 14 BLW. FTP 150-200#, 3/4" ck. Flwd thru separator ARO 101 BO, 0 BW & 163 MCFG in 3 hrs, 3/4" ck, FTP 380#. GOR 1610:1. Killed well, rel pkr, retr BP & POH. RIH w/cmt retr on tbg, set retr @ 5945' & squeezed Abo perfs 5995-6005' & 6056-6066' w/100 sx Cl C cmt w/.6% Halad 9 followed by 100 sx Cl C cmt w/.5% CFR-2 & 5# sd/sk. Max press 4000#. PO retr & rev 58 sx cmt to pit. POH w/tbg. WOC 24 hrs. WIH w/bit on tbg & drld cmt 5935-5945', retr 5945-47', cmt 5947-6005' & cmt 6056-66'. Tstd csg w/2000# OK. Ckd PBD @ 6328', loaded hole w/KCL wtr cont'g C-198, spotted 85 gals 20% acetic acid 6158-6253'. POH w/bit. Perf'd 6232-53' w/2 JSPF (42 - .49" holes). RIH w/Lok-set pkr on 2-3/8" tbg, set pkr @ 6157'. Tail pipe @ 6189'. Pressured up annulus, found leak @ 6056-6066'. Conn up well head & swbd tbg dry. Rel pkr & POH. WIH w/RBP & pkr, set RBP @ 6157' & pkr @ 6031', tstd 5 1/2" X 2-3/8" annulus to 0-6031' w/2000# OK. Pmpd into perfs 6056-66' w/1/4 BPM @ 3000# & 1 BPM @ 4000#. Rel pkr & lowered to 6100'. Spotted 3 sx sd on top of RBP & reset pkr @ 6031'. Pmpd 250 gals 15% acid into perfs 6056-6066'. Pmpd into perfs w/2200 psi, reset pkr @ 5910' & squeezed perfs 6056-6066' w/75 sx Cl C cmt w/.6% Halad 9 followed by 75 sx Cl C cmt w/6# salt/sk. MP 4000#. RO 94 sx to pit. POH w/tbg & pkr. RIH w/bit & csg scraper, drld cmt 5910-6066', tested csg to 2000# for 30 mins OK. Lowered bit to 6154', rev sd on RBP. POH w/bit. WIH w/retr hd, circ 5 1/2" annulus w/115 bbls 2% KCL wtr cont'g C-198, retr BP & POH w/tbg & BP. RIH w/Lok-set pkr w/1 jt 2-3/8" tail pipe w/1.81" profile, Model "F" SN w/1.81" profile on 2-3/8" tbg, set pkr @ 6157', btm TP @ 6189'. Trtd Abo perfs 6232-53' w/3750 gals 15% HCL-LSTNE acid, flushed w/25 BLC, MP 3800#, Min 3600#, ISIP 1200#. 2 mins vac. 14 1/2 hr SITP vac. Swbd Abo perfs 6232-6253' 8 1/2 hrs, rec 25 BLO, 40 BNO & 66 BLW. 14 1/2 hr SITP 300#. Flwd Abo perfs 6232-53' 18 hrs, 258 BO, 0 BW & 202 MCFG, FTP 110#, 48/64" ck, GOR 783:1. On 24 hr potential test 9/5/76 flwd Abo perfs 6232-53' 365 BO, 0 BW & 294 MCFG, 48/64" ck, FTP 110#, GOR 805:1. Final Report.

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O. C. C.  
ARTESIA, OFFICE