

Form C-103

Describe Proposed or Completed Operations

Warn St A/C 1 No. 3

*Wolfcamp  
Upper Permian*

9/30/94: MIRU PU. POOH w/ pump from commingled WC/UP completion. POOH w/ 1.9" OD tbg. POOH w/ rods & pump from Abo completion. RU to pull tbg from Abo side. Tbg parted. Fished tbg. Attempted to mill out CIBP on Abo side. Junk in hole prevented from milling out. RU on Wolfcamp side. RIH w/ 2-1/4" gauge ring on W. L. to 10,018'. RU Schlumberger. Ran GR 9900-8965'. RIH w/ 2-1/2" electromagnetic orienting perf guns. Perfed Wolfcamp @ 9478-88', 9640-50', 9844-54' w/ 1 JSPF. Perfed communications hole 9354-9360' w/ 4 JSPF. RU on Abo side. Perfed Abo @ 9222-32' w/ 1 JSPF. RD Schlumberger. RIH on Abo side w/ Baker "C" RBP. Set plug @ 3000'. Tested csg to 3000#. Test OK. RIH & set RBP @ 8900'. Tested to 3000#. RIH & set plug @ 9315'. POOH w/ setting tool. Acidized Abo interval 9122-9279' w/ 2000 gals 15% HCl. Swabbed back acid job. POOH w/ RBP. RU on WC/UP side. RIH w/ RBP & pkr to 3000'. Tested to 3000# w/ pkr swinging. RIH & set RBP @ 9915'. Tested to 3000 psi. Acidized interval 9844-54' w/ 1500 gals 15% HCl. Reset plug @ 9695'. Pkr @ 9427'. Acidized 9478-9650' w/ 2100 gals 15% HCl. POOH w/ pkr & plug. Swabbed WC/UP. RIH w/ 1.9" N-80 tbg. Set TAC. NU wellhead. SN @ 9372'. RIH w/ .0625" pump on 5/8" rods. Checked pump action. Hung well off & turned to test. RDMO 10/28/94.

Test before: 6 BOPD, 6 BWPD, 140 MCFPD

Test after: 20 BOPD, 24 BWPD, 23 MCFPD

*Wolfcamp/Permian  
CIBP 10-3-98*