

VACA DRAW UNIT (LEA COUNTY)

March 21, 1972: TD 17,609' - PBTD 17,599' - ran Gamma Ray Neutron 17,599 to 13,000 - perfed 17,527 - 533, 538, 546, 550, 555, 559, 565, 569, 579. Now picking up tbg. testing to 8000 psi internally 271 joints in hole.

March 22, 1972: Finished running tbg. - total 498 joints plus 3 Pup joints - spaced out and landed tbg. w/ Seal Assembly in PBR @ 16,781.

March 26, 1972: gas vol. est 100 MCF per day - rec. 1/2 to 1 bbls. water per hr. - testing natural.

March 27, 1972: acidized w/ 5000 gal 15% Hydrochloric acid.

March 29, 1972: est. gas vol. 1 Mil. cu. ft. per day - rec. 5 bbls. water per hr. - stab. flow. Re-perfed 16,579, 569, 565 559.

March 31, 1972: perfed hyper jet @ 17,538, 533, & 527 - treated w/ 30,000 gal 15% RA 5 HCL acid.

April 1, 1972: Gas vol. est 750 MCFPD - water load is rec. plus 2054 bbls.

April 3, 1972: Set Halliburton SV cmt. retainer in 7 3/4" OD csg. @ 16,780'. Prep to GIH to plug back.

April 4, 1972: cmt. thru SV retainer @ 16,780 w/ 50 sx. - pulled out of retainer, cmt. on top of retainer w/ 30 sx. - set Baker Model "D" Packer @ 15,250'. TD 17,609' - P.B.T.D. 16,705'.

April 5, 1972: Landed 2 7/8" in packer @ 15,250'.

April 6, 1972: Perfed 15,291, 293, 298, 301, 303, 308, 310, 312, 314, 316, 318, 320, 322, total of 26 holes.

April 7, 1972: Pumped in 240 bbls. 2% Potassium Chloride water.

April 11, 1972: est. gas vol. 30 MCFD - water load rec. plus 23 bbls. - My-T-Frac treatment, pumped 200 bbls. slick water pad w/ 2% Potassium Chloride & 165 bbls. jelled frac fluid. Gas vol. 0.5 to 1.5 MMCFPD - rec. 3 bbls. water per hr. - released rig @ 4:00 a.m. April 11, 1972 & contd. testing.

July 1, 1972: Swabbed 10 hrs. - lowered fluid level 4500' to 8000' swabbed approx. 1 bbl. per hr. fluid - very small show of gas.

July 8, 1972: Finished GIH w/ mill - cut over Model D packer @ 15,250'

July 9, 1972: pushed Model D Packer to 16,000'.