

In October, 2000, Duke Energy unilaterally disconnected from well, and abandoned service, due to a stated lack of production (copy of disconnection letter enclosed).

On 1-29-01, SITP = 7 psi and SICP = 0 psi. Moved in and rigged up well service unit. Released packer. Pulled and laid down original tubing string consisting of 3307.12' of 6.5 lb/ft, 10V, EUE tubing, (1) 7" x 2-7/8" x 10' packer, and 236.52' of 2-7/8" O.D., 6.5 lb/ft, 10V, EUE tubing (tail pipe). Total tally = 3553.64'.

Ran new 2-3/8" O.D., 4.7 lb/ft, J-55, EUE tubing and Baker 7" Model "C" RBP. Set RBP at 3300'. Pulled 2-3/8" O.D. tubing. Removed BOP. Removed 9-5/8" x 7" casinghead.

Dug out around well. Cut off corroded 9-5/8" O.D. casing. Cut off 7" O.D. casing. Installed 7", 23 lb/ft x 5.8' tieback joint. Installed 9-5/8", 36 lb/ft x 5.4' tieback joint. Sealed 9-5/8" x 7" annulus with welded 9-5/8" x 7" x 1/2" steel seal ring. Welded 2" threaded collar to side of 9-5/8" O.D. tieback joint (just below seal ring). Externally wrapped exposed piping and casing, with corrosion resistant tape.

Tested 7" O.D. casing, from 0' to 3300', to 2700 psi. Pressure held okay.

Installed 54" O.D. x 6' corrugated steel cellar can. Backfilled around cellar can. Installed B&M Oil Tool 7" x 2-3/8" x 3" Type MR tubinghead. Filled cellar can with 95 cu. ft. (3.5 cu. yds.) of redi-mix concrete.

Pressured 7" casing to 2000 psi. Tied pump truck to 9-5/8" x 7" casing annulus. Attempted to pump down 9-5/8" x 7" annulus. Could not pump down annulus, at 2000 psi; i.e., pressure held okay.

Ran 2-3/8" O.D. tubing equipped with retrieving head. Released and pulled 7" Model "C" RBP.

Set reconditioned Lufkin C-114D-143-64 pumping unit equipped with 20 hp NEMA-D motor. Installed electrical service to well.

Ran 2-3/8" O.D. tubing and 124.01' bottom-hole drilling assembly consisting of 6-1/4" bit and (4) 4-3/4" O.D. drill collars. Tagged fill at 3567'. Cleaned out to top of CIBP, at 3592'. Drilled on CIBP until plug came loose. Pushed remainder of CIBP to 3680'. Drilled remainder of CIBP. Drilled cement, from 3680' to 3700'. Pulled tubing and 124.01' bottom-hole drilling assembly.

Rigged up Schlumberger. Logged well, from 2830' to 3700', with DS-CNL-GR-CCL log. Logged well, from 2000' to 3700', with VDCBL-GR-CCL log.

Ran Baker 7" Model "C" packer. Verified existence of previously uncemented perms between 3627' and 3659'. Pumped into old perms at 1.5 BPM, at 2300 psi. Pressure tested casing, from 3659' to 3700', to 2700 psi. Pressure held okay. Pulled 7" Model "C" packer.

Rigged up Capitan Corporation. Perforated 6 squeeze holes, from 3683' to 3699'.

Ran 7" Model "C" packer to 3699'. Spotted 150 gal of 15% MCA acid across and above squeeze perms. Raised packer to 3569'. Acidized with an additional 150 gal of 15% MCA acid. Max rate = 2.0 BPM, at 2150 psi. ISIP = 1768 psi. Pulled 7" Model "C" packer.

Rigged up Capitan Corporation wireline truck. Set Halliburton 7" EZ-Drill Type SV retainer, at 3565'.