

Harvey E. Yates Co., Inc.
Cedar Hills Unit No. 2
Down Hole Equipment Changes

Daily Activities:

- 2/28/77 - Shut in for pressure build up at 2:25, 2/27/77. T.P.
= 650 psi; C.P. = 450 psi.
- 3/01/77 - 23 hour SITP - 1500 psi
CP - 1550 psi.
- Installed wing valve and choke on tubing side of well head and hooked up blow down line.
 - Jarrel Services ran equalizing bar and opened valve in x-over assembly. Ran pulling tool and pulled x-over assembly.
 - Did not have running tool to set plug in OSTD.
- 3/02/77 - Pulled standing valve from "X" nipple at 11,252'. Ran plug and set in nipple - bled well down from 1700 to 1500 psi in 30 minutes.
- Rigged up Mack Chase unit.
- 3/03/77 - Blew well down from 1500 psi to 1000 psi in 3 hours.
- Circulated hole with 300 bbl. 2% KCL water with 10 gal. United C-76 inhibitor.
 - Removed well head and installed BOP.
 - Attempted 2 hours to unseat top packer - Otis Perma Latch.
 - Pulled 10,000# above tubing weight, closed BOP's and shut down at 4:30 P.M.
- 3/04/77 - At 7:50 A.M. packer loose. Prep to POH with tubing.
- POH with tubing. Laid down Otis Perma Latch packer and x-over equipment.
 - Went in hole with OSTD with locking lugs and 160 jts tbg.
 - Tested tubing above slips to 6000 psi. Found three bad collar leaks.
- 3/05/77 - Finished TIH with tubing. Tested above slips to 6000 psi.
- Engaged OSTD at 11,252'.
 - Removed BOP and installed wellhead.
 - Released OSTD.
 - Displaced tubing with nitrogen.
 - Unable to re-engage OSTD.
 - SD at 5:30 P.M.
- 3/06/77 - Bled N₂ off of tubing.
- Loaded tubing with 2% KCL water with corrosion inhibitor.
 - Picked up on tubing and circulated above on/off assembly with 140 bbl. water.
 - Still unable to engage OSTD.
 - Shut down at 11:30 A.M. due to weather conditions
- 3/07/77 - Shut down.
- 3/08/77 - Respaced tubing. Added 2' to tubing string.
- Still unable to engage OSTD.
 - Set tubing with 15,000# compression and flanged up wellhead.
 - Loaded tubing with 32 bbl. 2% KCL water with C-71 inhibitor. Pressured up to 2600 psi and held for 10 minutes with no pressure loss to check seals in OSTD - OK.
 - Swabbed fluid in tubing down to 7000' in 4 1/2 hours.
 - Recovered six frac balls while swabbing.
 - Shut down at 5:30 P.M.
 - At 7:30 A.M. TP - 800 psi. CP - 0.