

1. Ran 2-3/8" plastic coated tubing with Baker Model "AC" packer set at 2573'. Tested for injection in the Yates zone and found communication outside 8-5/8" casing. PM 2 24
2. Pulled tubing and packer. Set HOWCO umbrella basket at 2575' with 3 sacks sand on top. Perforated 4 holes at 1312'. Established circulation around 8-5/8" casing and cemented with 425 sacks regular 4% gel with 2% calcium chloride. WOC 24 hr. Tested casing w/500#, 30 min., O.K. Drilled cement from 1246 to 1313' and fell through. Pushed umbrella basket below Yates perforations to 2750'. Tested Yates perforations for disposal, 1000# at 3 BPM. No communication on outside 8-5/8" casing. Shut in pressure 600# in 45 min., 600# in 6½ hours.
3. Pulled tubing and bit. Ran 2-3/8" tubing with Baker Model "AC" packer set at 2574'. Acidized Yates perforations 2664-76' and 2680-95' with 500 gal. mud acid and 500 gal. regular acid. Acid communicated with perforations at 1312'. Decided to abandon Yates zone for disposal purposes.
4. Pulled tubing and packer. Ran 2-7/8" tubing with 7-7/8" bit and drilled up HOWCO umbrella basket. Cleaned out open hole section 4150-5530' through San Andres. Drilled cement plug to 5544' (Present PBD). Pulled 2-7/8" tubing and 7-7/8" bit.
5. Ran 2-3/8" tubing with Baker Model "AC" packer set at 2852' (Yates perforations 2664-2695' isolated above packer). Tested San Andres open hole (4150-5544') for disposal. 370# at 400 BFD rate -- 7 min. shut in pressure 0#. No communication -- disposal operating satisfactorily. Commenced disposal operations May 12, 1963.