

- 7/28/83 Tagged @ 8588½', 2' above yesterdays depth, milled 1-3/4 hrs & made back to 8590½', mill started stalling w/very little weight (less than 1000#), worked & continued milling, milling free up some, made only 4" of progress, POH, mill was worn off on lower outside edge, tapered from 4-5/8" @ ½" from btm to 3-3/4" @ btm, center of mill had doughnut impression 1/8" deep w/1-1/8" OD and 3/4" ID, had several other faint marks on btm of mill, ran 4½" impression block on 1 std of tbg on sand line, block was marked ½ way around outside edge, edge was pinched & rolled toward center of block, (1/8"), there is a csg collar @ 8593'+ on collar log, ran 4½" magnet on wireline, lacked 80' getting to point impression block was run to, ran impression block second time, got to point it was originally run to, had same impression second run, SDFN.
- 7/29/83 Ran tbg open ended w/DC's to 8590½', circ & displaced mud from hole w/2% KCl FW, 210 bbls, pressured csg 2250 psi, 15", held okay, POH & stood back tbg, LD DC's, ran 2 jts wash pipe & LD, rig dn & released reverse equip., cleaned mud pit (tank), fishing job finished @ 1 PM, 7/28/83, RU CRC to perforate Bone Springs, ran collard locator & 4" select fire perf gun, DP charges, .49" dia hole, 23.4" penetration, 22 gram charges, perf 50 holes, 8591', 8589½', 8585½', 8583½', 8581', 8579', 8577', 8575', 8573', 8569', 8567', 8565', 8547', 8545', 8543', 8541', 8539', 8535', 8533', 8531', 8529', 8527', 8525', 8523', 8520½', 8516½', 8514½', 8507', 8505', 8503', 8473', 8471', 8469', 8467', 8465', 8463', 8461', 8442½', 8440½', 8438½', 8436½', 8434½', FL remained @ 700' during perf, RD perforator, SD.
- 7/30/83 Chgd BOP, rams & stem pkg was leaking, ran 2 jts tail pipe & 5½" Baker retrieveomatic pkr to 8588', spotted 500 gals 10% acetic acid, pulled tbg to 7802' w/pkr @ 7740', RU CRC & ran 1-9/16" tbg gun to 7680' & stopped, POH & ran sinker bars on sand line, couldn't get through, POH, released pkr & POH, ran 4" csg gun posijet, .49" dia hole, 23.4" penetration, 22 gram select fire charges, perf 5 holes, 8553', 8555', 8557', 8559' & 8561', POH & RD CRC, ran 2 jts tail pipe, 5½" Baker retrieveomatic pkr on 2-3/8" N80 tbg to 8345' w/pkr, 8284', ran rabbit in tbg, didn't find obstruction, RU Western Co., pumped 10 bbls dn csg & set pkr, press annulus to 2000 psi, acidized Bone Springs w/5500 gals 15% HCl w/1 gal clgmaster, 5 gals XR-26, 1½ gals RF-20, 1 gal 1-15, all per 1000 gals & 500 SCF N<sub>2</sub> per barrel & 110, 7/8 ball sealers, formation broke @ 2500 psi w/3 bbls pumped, started acid & balls, had 2 good ball action, breaks, 200 psi & 1200 psi, avg rate 4.8 BPM acid + nitro., max press 5400 psi, min 3800 & avg 5000 psi, ISDP 3000 psi, 5" 2700 psi, 10" 2600 psi, 15" 2500 psi, 45" 2350 psi, load to recover 234 bbls + nitro., opened well on ¼" choke after 45", @ 8:55 PM, @ 7 AM, 7/30/83, FTP 175 psi, on ¼" choke, still flowing acid and nitro.
- 7/31/83 FTP @ 7 AM, 175 psi on ¼" choke, flowing nitro. acid & LW & gas, opened choke & well flowed off & died, ran swb, FL @ 500', ran to 1500' & 1st run was 98% oil, swbd 7½ hrs, lowered FL to SN @ 8284', made 6 swb runs from 8284' getting ½ to 3/4 bbl fluid ea run, cut 70% wtr, 30% oil, est. swb rate 1 BPH, caught wtr sample for analysis, recovery 80 bbls flowing, 55 bbls swbg, 135 bbls, 99 BUL, left open on 10/64" ck, making some gas & small heads of liquid.
- 8/1/83 No report.