

6/17/80	6541	PB - Prep to perf Dakota. MI & RU. Unload & meas 216 jts 2-3/8" tbg. TIH w/ 3-7/8" bit & csg scraper. Tag DV tool @ 2196'. Drld out tool. CO to 6541'. Circ hole clean. Displ w/2% KCl wtr. POH. RU D-A. Ran CBL w/var dens f/6534-1845'; 100% bond TD-6470'; 100% to no bond 6470-6460'; 100% bond 6440-6330'; 80-90% bond 6126-6330'; 90-100% bond 5710-6126'; poor to fair bond 5710-5680'; 100% 5450-5680'; 70-90% bond 4850-5450'; fair to poor 4850-top cmt @ 4076'; from DV tool @ 2190-1845' fair to poor cmt.
6/18/80	6541	PB - POH, prep to frac trt Dakota perfs. TIH to 6530'. Press tst csg to 4000#. Sptd 150 gals 15% HCl. POH. Perf'd Dakota @ 6401', 02', 47', 50', 53', 56', 59', 62', 65', 68', 77', 80', 83', 86', 89', 92', 6511', 14', 17', 20', 23', 26' (22 holes). All meas f/D-A CBL 6/17/80 correl to Schl CNL/FDC 6/4/80. RU & ran base temp survey. TIH w/pkr on 202 jts to 6253'. Brk dn perfs @ 2800#. Trtd w/1500 gals 15% HCl & 44 ball sealers @ 5 BPM & 1500#. Max press 4000# when ball off occurred. Wouldn't hold. Bled back to 2500# in 1 min. Displ acid & SI f/1 hr. Ran swb. Fld @ surf. Swb dn to 4500'. Rec'd 40 BLW & had show of gas.
6/19/80	6541	PB - GIH w/tbg to CO w/nitrogen. Frac trtd perfs 6401-6526'. Frac w/82000 gals 2% KCl wtr & 258,000# 20/40 mesh sd in Sm. Energies GDX-7 40# gel: 10,000 gals pad, 36 BPM, 3000#; 8000 gals, 1#/gal, 36 BPM, 2800#; 10,000 gals 2#/gal, 36 BPM, 2600#; 10,000 gals, 3#/gal, 36 BPM, 2500#; 11,000 gals, 4#/gal, 36 BPM, 2500#; 11,000 gals, 5#/gal, 36 BPM, 2500#; 11,000 gals, 6#/gal, 36 BPM, 2500#; 5000 gals, 7#/gal, 36 BPM, 2400#. 4200 gals, flush, 36 BPM, 3200#. ISIP 1300#; 5 min SIP 1000#; 10 min SIP 900#. Ran 4 temp surveys. On final run found TD @ 6455'. WO gel to break.
6/20/80	6541	PB - Flwg to reserve pit. TIH w/2-3/8" tbg to 6430'. CO sd to 6540' w/ nitrogen. Reset tbg @ 6406'. Loaded tbg w/2% KCl wtr. Removed flt. Swb well in. Flwg to reserve pit on 3/4" chk. TP 90#, CP 450#. Rec'g hvy spray wtr w/show of oil. Est flw rate 1.305 MMCFD.
6/21/80	6541	PB - Flwg to pit. Flwd to pit 5 hrs, TP 100#, CP 450#. Kill well w/40 bbls. Ran tbg to 6530'. Tag sd, set tbg @ 6406', no tree. Tbg unloading. SI & hook up chk & flw line. Flwd to pit 19 hrs on 3/4" chk, TP 100#, CP 325#. Est 1667 MCFD.
6/22/80	6541	PB - Flwg to pit. Flwd to pit 24 hrs, CP 325#, TP 100#, 3/4" chk. Flw est 1300 MCF, spray wtr w/oil show.
6/23/80	6541	PB - Prep to GIH to check f/sd fill up. Flwg on 3/4" chk, TP 100#, CP 325#. Est flw rate 1.300 MMCFD. SITP 1050#, SICP 1200#.
6/24/80	6541	PB - Well SI. Kill well w/2% KCl wtr. LD 5 jts tbg. Tagged sd @ 6530'. Reset tbg @ 6406' w/206 jts 2-3/8" tbg & w/Bkr "F" nple @ 6376'. ND BOPs, NU X-mas tree. Run swb to 150'. POH. Found parafin, chg'd out swb cups & ran swb dn floor @ 2500'. LD 1 line. Strtd flwg. Flwd 19 hrs on 3/4" chk. TP 100#, CP 500#. Est flw rate 1300 MCFD. SI well @ 6:00 am 6/24
6/24		
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6/25-26/80	6541	PB - Well SI.
6/27-7/3/80	6541	PB - Well SI.
7/4-7/80	6541	PB - Well SI.
7/8-9/80	6541	PB - Well SI.
7/10/80	6541	PB - COMPLETED SI GAS WELL, Dakota fm, 7/9/80. Tst date 7/9/80. 15 day SITP 1158#, SICP 1160#, FTP 340#, FCP 667#. Rate of 2243 MCFD, 41 bbls liquid condensate f/Dakota perfs 6401-6525' on 48/64" chk. Condensate 47.3° API @ 60° F 30 min bld-up. TP 935#, CP 932#, LPP 6526'.