

- 1/21/82 6732 Day-21. TD - Prep to swb acid f/Dakota perfs.  
RU Western & sptd 200 gals 15% HCl (w/ 1 gal/1000 XR2, 1 gal/1000 Clay Master, 1 gal/1000 LT-22) f/6650-6350'. POH w/tbg. RU Schl & perf Dakota w/ 1 - .38" jet/ft 6522-24', 6529-31', 6533-40' & 6633-37' = 19 holes. Filled hole w/2% KCl wtr. Closed rams & PI 10 bbl @ 3 BPM @ 600 psi to displ acid. PU 4-1/2" Bkr fullbore pkr. API SN on 2-3/8" tbg. Set pkr @ 6550' RKB. PI tbg w/500 gal 15% HCl w/additives as above w/10 ball sealers. Rate 3-1/2 BPM @ 2750 psi, incr'd to 4050 psi & held 15 min when balls hit. Rel press & fin flush last 5 bbls @ 3-1/2 BPM @ 2500 psi. Reset pkr @ 6400'. Opnd bypass & sptd 2000 gal 15% to btm of tbg closed bypass - injected 50 ball sealers thruout acid. PI first @ 5.2 BPM 2800 psi - had gd ball action - at end rate 1.1 BPM @ 3800 psi. Flushed @ 1.1 BPM @ 3800 psi. ISIP 500 psi, 15 min 300 psi. Total load = 126 bbl. SION.
- 1/22/82 6732 Day-22. TD - Prep to frac Dakota perfs (6522-24', 6529-31', 6533-40', 6633-37').  
In am SITP 1600 psi. Opnd to pit & well flwd & unloaded spent acid wtr & gas. Cont'd flw to cln up. Between 2 & 2:30 pm flw rate meas 411 MCFD (critical flw prover), but w/hvy spray - some acid wtr. Opnd pkr bypass & killed well. Lowered pkr to 6650' OK. POH w/pkr. SI well. Gelling frac wtr. SDON.
- 1/23/82 6732 Day-23. TD - Well SI after frac, prep to bleed dn & run tbg.  
In am CP 875#. RU Schl & ran pre-frac temp survey 5500-6686'. RU Western to frac Dakota perfs 6522-6637' (OA zone). PI 1114 bbl pad Minimax III 40# gel 1gal/1000 Clay Master, 1 gal/1000 Aquaflo, 2% KCl, 2% diesel @ 43 BPM & 2800 psi. Trtd as foll: 1# sd/gal, 8800 gals, 43 BPM, 2800 psi; 2# sd/gal, 9400 gals, 43 BPM, 2800 psi; 3# sd/gal, 10,900 gals, 43 BPM, 2650 psi; 4# sd/gal, 12,800 gals, 43 BPM, 2600 psi; 5# sd/gal, 15,950 gals, 42 BPM, 2900 psi; 6# sd/gal, 15,950 gals, 42 BPM, 3200 psi; 7# sd/gal, 12,700 gals, 42 BPM, 2900 psi; 2% KCl flush, 116 bbls, 43 BPM, 3200 psi. JC 12:45 pm 1/22/82. ISIP 1800 psi, 15 min 1200 psi. Total 3768 bbls load, 376,200# 20/40 sd. RU Schl & run temp surveys 5500-6686' - no sd in 1/2 hr, 1 hr, 3 hrs & 4 hrs. Left well SION.
- 1/24/82 6732 Day-24. TD - Prep to SD rig f/Sunday.  
In am thawed BOP, SICP 60 psi. Strt bleed thru 2" line & strt in hole w/ 2-3/8" tbg w/notched clr on btm & w/Bkr expendable flt valve 1 jt up. Tagged top sd @ 6675'. Pld tbg to 6462'. Dropped ball & pmpd out Bkr flt - 2000 psi to shear. RU & swbd 5 runs to 1200', FL 300' & well strt'd flwg. \$413,400
- 1/25/82 6732 Day-24. TD - Prep to flw or swb well.  
SD f/Sunday.
- 1/26/82 6732 Day-25. TD - Prep to flw to cln up Dak perfs (6522-24, 6529-31, 6533-40 & 6633-37).  
In am SICP 725 psi, SITP 1600 psi. Opnd on 2" line 3/4" chk - flwd gas 5 min, then little oil, then strt'd unloading gas & wtr. 1st pitot gauge - wet 4 MMCFD. After 3 hrs, 3 MMCFD w/lot of wtr. After 8-1/2 hrs pitot meas 2.7 MMCFD w/hvy spray & occ slugs wtr. SI @ 5 pm. No sd recovery noted. (Reserve pit about full). SDON.