

- 3/24/81 6360 Day-14. TD - Prep to RIH w/pkr.
RIH 1 std 2-3/8" tbg. RU pwr swivel. CO soft cmt 6255-6325'. Circ clean. RU Dowell & mix 2% KCl & displ fld in hole. RU Schl. Ran CBL/VDL/GR/CCI to Logger's TD 6328'. Had poor bond 6320-6287'; 90-100% 6287-6186' & 6176-5636'. Est top cmt 1st stage @ 4190'. Loggers found DV @ 1923'. Found no cmt 1923-1848'. Had 90-100% bond 1848-1720' & 1712-1666'; fair to poor cmt to 683'. Could not get gd est cmt top due to poor signal. RU Dowell. Press csg to 3000#, had flng leak on BOP stack. Tightened flng. Press csg to 3000# & pmp in csg @ slow rate. SD & press decr'd to 1500# in 10 min. Pmp into csg @ 1 BPM @ 2400#, decr'd to 1 BPM @ 2200# in 5 min. Pmp in 2 BPM @ 2350#, decr'd to 2 BPM @ 2250# in 2 min. SD. Press bled to 1500# in 5 min. SI & SDON.
- 3/25/81 6360 Day-15. TD - Prep to press tst csg, perf & acidize. TIH
w/Mtn States 4-1/2" HD pkr on 2-3/8" tbg set @ 6309'KB. Press csg to 3000# - held OK. Pmpd dn 2-3/8" tbg @ 2 BPM @ 2900#. Rel pkr & reset @ 6325'. Press csg to 3000# - held OK. Rel pkr & TOH. RU Schl. RIH w/ 4-1/2" Mtn States cmt retainer to 6328'. Set @ 6320' WL meas. POH w/ setting tool. RD Schl. PU cmt retainer stinger. TIH w/201 jts 2-3/8" tbg. Stung into cmt retainer. Set 10M# dn on retainer. Pres csg to 3000# - held OK. Stung out of cmt retainer. Pmpd 75 sx Cl "B" w/.4% D-60. Trapped 1000# on annulus. Stung into retainer. Pmpd 24 bbls displmnt. Sqzd well @ 2500#. SD pmps. Press dropped to 2000# - held @ 2000#. Pld out of cmt retainer. Rev circ 30 BW. Rec'd 1 bbl cmt. RD Dowell. TOH w/10 stds tbg. Shut well in. SDON.
- 3/26/81 6360 Day-16. TD - Prep to acidize.
POH w/tbg & stinger. Tst csg & blind rams to 4000# - OK. RIH to 6315' OE. RU Dowell. Sptd 200 gals 15% MSR-100 w/2 gal/1000 gal L-53 Cla-stabilizer f/6315-6001'. POH. RU Schl. Perf 6149', 51', 53', 6229', 31', 33', 37', 39', 41', 43', 48', 50', 55', 57', 60', 62', 65', 68', 91', 93', 96', 99', 6301', 03', 05', 07', 10' (27 shots 0.38" dia hole). RD Schl. RIH w/Mtn States 4-1/2" HD pkr, w/API SN on 190 jts tbg. Set pkr @ 5997'KB. SI well & SDON.
- 3/27/81 6360 Day-17. TD - Prep to flw back.
RU Dowell on 2-3/8" tbg. Est inj rate 4 BPM @ 1900# w/KCl wtr. Pmpd 2000 gal MSR-100 acidw/2 gal/1000 gal L-53 Cla-Stabilizer. Dropped 54 balls w/acid w/1/bbl, rest @ end. Pmpd acid @ 2.5 BPM @ 1200#. Displ acid w/34 bbls KCl wtr @ 4 BPM @ 1500#. Had some ball action, but no ball off. ISIP 700#. Left well SI 1 hr. Swb acid back, rec'd 52 bbl fld. Well kicked & fldw gas f/15 min. Rel pkr & killed well. POH. RU Dowell to frac. Frac fld: 2% KCl wtr w/1 gal/1000 gal F-75, 1 gal/1000 gal M-76 & 2% condensate, 40# Stratafrac II gel & 20/40 sd as foll: 12M gals pad, 37 BPM, 1900#; 10M gals, 1# sd/gal (10M#), 38 BPM, 1900#; 13M gals, 2# sd/gal (26M#), 46 BPM, 2200#; 14M gals, 3# sd/gal (42M#), 47 BPM, 2300#; 14M gals, 4# sd/gal (56M#), 46 BPM, 2200#; 14M gals, 5# sd/gal (70M#), 46 BPM, 2400#; 14M gals, 6# sd/gal (84M#), 46 BPM, 2400#; 5M gals, 7# sd/gal (35M#), 46 BPM, 2400#; 3975 gals flush, 46 BPM, 2400#. Flush fld was 2% KCl wtr w/2#/1000 gal fric reducer. Lost 1 pmp truck after strtg w/sd. Frac'd w/3 trucks. ISIP 1200#, 10 min SIP 1000#, 15 min SIP 900#. Avg rate 46 BPM, max rate 47 BPM; Avg press 2300#, max press 2400#. JC @ 3:12 pm 3/26/81. SI well & SDON.