

4/1/81 6310 Day-13. TD - Prep to spt acid & perf.
Fin tbg strap. RIH w/bit & csg scraper on 2-3/8" tbg. Tag top cmt 6249'.
RU power swivel. CO to FC @ 6293'KB (6' deep to csg tally). Circ hole cln.
Displ fld w/2% KCl. POH. RU Go WL. Ran CBL/VDL/GR/CCL 6292-3300' & 2200-
1200'. Had gd bond 6284-5100' & 2130-1650'. Top 1st stg cmt @ 3430'; top
2nd stg cmt @ 1650'. Some cmt above 1650', but poor. RD Go WL. RU Howco.
Tst csg & blinds to 4000# - OK. RIH OE tbg to 6285'. SI Well. SDON.

4/2/81 6310 Day-14. TD - Prep to POH & frac.
RU Howco. Set tbg @ 6270'. Spt 300 gal 15% HCl w/FE-1A Cla Sta, frac-flw-
CS. RD Howco. POH w/tbg. RU Go WL. Perf w/ 3-1/8" HCSF-9 gun, 24 shots,
0.32" dia @ 6097', 6116', 19', 22', 24', 26', 72', 74', 78', 80', 82',
86', 89', 92', 94', 97', 99', 6205', 07', 43', 47', 49', 54', 57' f/FDC/
CNL log. RD Co. PU Mtn States 4-1/2" HD pkr, w/API 1.78" ID SN. RIH. Set
pkr @ 5944'KB. RU Howco. Pmpd 10 BW @ 4 BPM, 1000#. SD. Tbg on vac. Pmp
2000 gal 15% acid as above, w/48 balls, w/1 ball/bbl acid. Pmp 28 bbls
displ. Had gd ball action, but no ball off. ISIP 3000#, 300# @ 1 min,
300# @ 5 min, 300# @ 15 min. Avg rate 4 BPM, avg press 3800#. RD Howco.
RU to swb. WO acid 1 hr. Swb 31 BW, well kicked & flwd to pit. Left well
flwg to pit. SDON.

4/3/81 6310 Day-15. TD - Prep to flw back & CO.
Checked flw rate w/pitot tube @ 310 MCFD. Rel pkr & kill well. POH. RU
Howco to frac. Frac well as foll: Frac fld - 80M gals 2% KCl wtr w/ 1 gal/
1000 gals Frac Flw-CS Sufactant, 1/2 gal/1000 gal BE-3 Bacteriacide, 40#
Versage 1-0 gel, w/2% by vol condensate & 20/40 sd; Flush fld - 3950 gals
2% KCl wtr w/2#/1000 gal fric reducer: 10M gals pad, 36 BPM, 1650#; 8M
gals, 1# sd/gal (8M#), 38 BPM, 1850#; 10M gals, 2# sd/gal (20M#), 37 BPM,
1800#; 11M gals, 3# sd/gal (33M#), 37 BPM, 1800#; 11M gals, 4# sd/gal
(44M#), 37 BPM, 1800#; 11M gals, 5# sd/gal (55M#), 37 BPM, 1750#; 11M
gals, 6# sd/gal (66M#), 38 BPM, 2000#; 8M gals, 7# sd/gal (56M#), 30 BPM,
1950#; 3950 gals flush, 33 BPM, 2450#. Total 83,950 gals fld & 282M# 20/40
sd. ISIP 1450#, 5 min SI 1280#, 10 min SI 1180#, 15 min SI 1100#. Avg rate
37 BPM; Avg press 1800#; Max rate 38 BPM; Max press 2450#. SI Well. SDON.
JC 11 am 4/2/81.

4/4/81 6310 Day-16. TD - Well opn to pit on 1/2" chk.
CP 600#. WIH w/notched clr & 2-3/8" tbg, "F" nple 1 jt off btm. Circ & CO
sd 6258-6293'. Landed 197 jts tbg @ 6071'RKB; "F" nple @ 6040'RKB. Remove
BOP & NU tree. RU & strtd swbg. FL @ strt 1500'. Made 4 runs w/swb - FL
fairly constant. Est 45 BF recovered, well strtd flwg. Flwd well f/ 3/4
hr-heading. Put on 1/2" chk & left flwg to pit.

4/5/81 6310 Day-17. TD - Well SI; CU SD.
Left well opn to pit on 1/2" chk to cln up until 5 pm 4/4/81. In am 4/4 CP
600#. Well flwg est 1-1/2 - 2 MMCF w/sml spray wtr & condensate. CP
constant 600#. SI @ 5:00 pm.

4/6/81 6310 Day-17. TD - Prep to move CU (Big "A" #12)
Well SI, WO tst.

4/7/81 6310 Day-17. TD - SI - WO tst.
CP 1050#, TP 1000#.