

1/29/82 (CONT'D.)

shot, set collar locator @ 12,003', which put the top shot 3- $\frac{1}{2}$ ' below @ 12,006.5', & btm shot @ 12,013.5', interval 12,006-014'-8', total of 8 shots in interval, dia of holes .29", pen. 7.33", posi-jet 2, perf interval, came out of hole, all shots fired, RD perforators, RU Western Co., started pressuring up backside & flange on BOP started leaking, bled press off, tightened bolts repressured back side to 1,500 psi, tied back on tbg to displace leak in swedge in top of valve, SD & bled pressure off, tighten up swedge, started pumping, pressure increased to 6,900 psi @ 1.2 BPM, formation broke back to 6,800 psi, increased pumping rate to 1.6 BPM & press increased to 7,000 psi, displaced the 208 gals acid into formation, ISIP 4,000 psi, 5" 2,000 psi, total load to recover 54 bbls acid wtr & KCL wtr, rigged Western dn & released, left 300 psi on csg, RU swb, swbd 1 hr & recovered approx. 24 bbls fluid, laid swb dn & SWI for night, remaining load to rec, 30 bbls, install 5,000 psi master valve (WKM) before perforating.

1/30/83 13 hr SITP 1300 psi, opened & blew well, blew gas off in 22", in 30" had 1" stream of wtr, flowed 3 BW & closed well in to hook up swb, ran swb @ 8:15, hit fluid @ 5000', ran to 6500', pulled 4 BW, SD to repair wireline stripper, WO parts f/1-3/4 hrs, resumed swbg @ 10:45, swbd 12 bbls wtr in 1 hr, FL @ 6000', LD swb, well unloaded wtr & flowed @ rates of 500 to 1000 mcf, SD @ 12:40 & installed choke, opened @ 1:10 w/SITP @ 450 psi, choke on 20/64" & blew well & press decreased to 175 psi, closed choke to 16/64" & press @ 170 psi for 45", started increasing, increased to 215 psi, 340 mcf by 3:00, opened choke to 20/64" @ 3:00, well stabilized @ 4:00 w/FTP 175 psi, 460 mcfd, flowed well until 5:00 PM & closed in, while flowing was making penalized stream of wtr,

1/31/83 Down Sunday

2/1/83 10:00 AM, SITP 3550 psi, 41 hrs, opened on 10/64" choke, 11 AM 2000 psi, opened 16/64" choke, 950 psi @ noon, opened on 20/64" choke, @ 1 PM 250 psi, 2 PM 200 psi, 3 PM 150 psi, opened to 27/64" choke, 4 PM 150 psi, SWI, making pencil size stream of wtr, rate 750 mcf, caught wtr sample @ 2 PM, for analysis.

WATER ANALYSIS

ph 8	Mg 1800	Cl 73,000
Fe-Na	SO <sub>4</sub> 3000	Hardness 280
Cu 1000	HCO <sub>3</sub> 352	

@ 7 AM, 2/1/83, SITP 3300 psi, 15 $\frac{1}{2}$  hrs.