

- 11) If slickline found the perforations open, then proceed to Step 12. If the perforations were found to be partially covered and could not be bailed clear, then proceed to Step 17.
- 12) MI & RU pump unit, test lines to 5000 psi. RU line to casing and pressure up to 500 psi; hold 500# on casing throughout the acid job. Monitor the CP throughout the job.
- 13) Fill tubing w/2% KCl water (capacity to perfs. = 38 Bbls.). Establish injection rate w/KCl water. Monitor casing pressure.
- 14) Pump 2000 gal. 15% Hcl; 500 gal. methanol; 4 gal. A261 corrosion inhibitor; 20 lbs. L-58 iron agent; 4 gal. W-54 N.E. agent; 2 gal. surfactant. Attempt to pump treatment @ 4 - 6 BPM with 12, 1.3 S.G. ball sealers spaced evenly throughout the acid treatment.
- 15) Displace acid to perforations w/38 Bbls. 2% Kcl water. RD & release pump unit.
- 16) MI & RU swab unit. Swab well in.
- 17) If had fill in casing, MI & RU coiled tubing unit; pressure test lines to 5000 psi.
- 18) RIH w/jet blast tool on CT. Spot 3 Bbls. acid in casing; wash scale with acid. POOH, RD and release CT unit.
- 19) MI & RU pump unit, test lines to 5000 psi. RU line to casing and pressure up to 500 psi; hold 500# on casing throughout the acid job. Monitor the CP throughout the job.
- 20) Fill tubing with 2% KCl (capacity = 38 Bbls.), establish an injection rate. Monitor casing pressure.
- 21) Pump 2000 gal. 15% Hcl; 500 gal. methanol; 4 gal. A261 corrosion inhibitor; 20 lbs. L-58 iron agent; 4 gal. W-54 N.E. agent; 2 gal. surfactant. Attempt to pump treatment @ 4 - 6 BPM with 12, 1.3 S.G. ball sealers spaced evenly throughout the acid treatment.
- 22) Displace acid to perforations w/2% KCl. RD & release pump unit.
- 23) MI & RU swab unit. Swab well in.