

1. Notify the BLM prior to rig up. MIRU 1. POH with rods and pump. Install 2. POH with 2 3/8" tubing.
2. RIH with 4 3/4" bit and 5 1/2" scrapper. Tally in. Tag PBD (3639' in 11/85). POH.
3. RIH with cast iron bridge plug (CIBP) on tubing and set at  $\pm 2450'$ . (top Perf at 2528'). Circulate hole with produced water. POH.
4. RU electric line truck. Run GR-casing inspection log from  $\pm 2450'$  to surface. Identify holes and extent of damage.
5. RIH with packer and confirm indicated holes with pressure and swab tests. Establish pump in rates and pressure. Attempt to establish circulation through bradenhead.
6. If casing damage is extensive:  
POH with tubing. Shut-in well. Evaluate well for major repair or to plug and abandon.
7. If casing damage is localized:
  - a. Call Midland for cement squeeze procedure. Technique and volumes dependent on the number and location of holes (i.e. in salt section or not).
  - b. RU reverse unit. RIH with 4 3/4" bit and  $\pm 6 - 3 1/2"$  drill collars on 2 7/8" workstring. Drill out, pressure and swab test squeezed leaks. Drill out CIBP.
  - c. RIH with production tubing and rods as before. Restore to pumping.