

# RECOMMENDED SHORT FORM WORK PROCEDURE

WELL NAME: WIBU #1  
COUNTY: Eddy  
PERM. ZERO PT.: GL @ 4037', KB 10' above GL  
RETAINER: none  
CASING: 4-1/2", 11.35#, K-55  
TOC BEHIND CSG: To surface  
LINER: none

FIELD NAME: Indian Basin  
STATE: New Mexico  
UPPERMOST PLUG: PBD @ 7692'  
PACKER: Model R @ 7189'  
TUBING: 2-7/8", 6.5#, J-55  
PERFS: 7250-7450' (69 net ft.)

## PROCEDURE

1. MIRU 1-1/2" coiled tubing unit. Test BOP's to 1000 psi. RU Howco. Pickle CT w/ 500 gals 15% HCL. Test lines to 5000 psi.
  2. RIH w/ 1-1/2" CT to 7450' w/ jet nozzle bottom. Inject 2% KCL slowly at rate of 1/2 to 3/4 bpm while RIH. Tag PBD. PU to 7250 ft.
  3. Acidize perfs (fr. 7250 to 7450 ft.) w/ 8000 gals 15% FEHCL foamed w/ N2 to 75 % quality @ 2-2.5 bpm (Max. treating surface pressure = 5000 psi, est. BHTP = 3000 psi) in the following sequence:
    - a. 200 gals. 15% FEHCL
    - b. 8000 gals. 15% FEHCL foamed to 75% quality w/ N2. Place CT at mid point of each perf. set and work slowly up and down while displacing 1000 gals. 15% FEHCL across the following perf sets:
      - (1) Set 1: 7250-7258
      - (2) Set 2: 7288-7308
      - (3) Set 3: 7357-7362
      - (4) Set 4: 7382-7388
      - (5) Set 5: 7396-7402
      - (6) Set 6: 7412-7422
      - (7) Set 7: 7428-7436
      - (8) Set 8: 7444-7450
- Note: 15% FEHCL to include 5 gals/1000 PEN-5 (penetrating agent) + 2 gal/1000 HAI-65 (corrosion inhibitor).
- c. Unload well with N2.
  4. POOH w/ CT. RD Howco. Clean up well to test separator and frac tanks. Switch well to prod. unit.