

Procedure to Clean out and acidize EMSU-B No. 857.

Notify Benny Nava 48 hours prior to beginning work so can round up pumping equipment.

1. MIRU PU. Install BOP. POH rods and tubing. Note any scale recovered from equipment.
2. MIRU Computalog wireline. Tie into Computalog GR/CNL/CCL dated 10/24/91. Perforate 4-1/2" casing intervals:
3792' to 3797'
3778' to 3784'
3738' to 3747'
3694' to 3699'
3628' to 3632'
3598' to 3606'.
Use 3" hollow carrier gun loaded with 4, .5" dia. DPJHPF, 120 deg. phased. POH Rise WLU.
3. RU BJ Services. Prepare to break down perfs and acidize all pays.
4. RIH w/RBP, trt PKR, SN, bypass valve on production tbg.
5. Set RBP in blank pipe, above new perfs. Set trt pkr above RBP. Test RBP to 500 psi. Load and test casing to 500 psi. Drop SV. Pickle tubing with 500 gals 15% NE HCL at 1/2 BPM. Flush to bottom of tubing with produced water. Reverse out pickle acid at 1/2 BPM. Re-pickle tubing if iron count is greater than 5000 ppm on "last in" acid. Fish SV.
6. Straddle each set of new perfs with RBP and trt pkr. Break down each set with 8 bbls 15% NEFE acid and flush to perfs with produced water. Rate--2 BPM, 1500 psi max.
7. GDH and set RBP close to bottom. PUH and set pkr above all perfs.
8. Pump 5000 gals Resisol II in 5 equal stages, separated by Trimix salt blocks mixed in 9 ppg gelled brine. Pump rate 2 bpm, 1500 psi max. Flush to formation with produced water.
9. Allow 2 hours for acid to spend, then begin swabbing back load.
10. Rtrv. RBP. POH tools. RIH tbg, pump, and rods.
11. PWOW and test. Report results to office.

3510
3200 PL