

# M W PETROLEUM CORPORATION

Button Up Unit Well No. 1

Bar U Field; Lea County, NM

04/20/95 : San Andres Recompletion Procedure:

## OBJECTIVES:

1. Test oil shows in the San Andres from 4,236' - 4,262'.
2.
3.

## NOTES:

1. Wellbore was TxA'd Apr'95. CIBP - 10,900' w/ 30' CMT. Hole was circulated w/ packer fluid.
2. 640 BU x rods were transferred to the BU Unit No. 2. TBG is stored at the Dean Yard.
3.

## PROCEDURE:

1. MIRU SU. ND WH x NU BOP.
2. MIRU WL Co. Correlate w/ 28-Jun-93 Halliburton Spectral Density / Dual Spaced Neutron Log.  
  
Run GR/CBL/CCL Log from 5,300' - 3,300'. Make second pass at 1,000 Psi if bond is questionable. Forward logs to Midland and Houston offices.
3. Bond OK. TIH w/ 2-7/8" TBG. RU Service Co. x spot 100 gals acetic acid across interval (4,262' up) to be perforated. POOH w/ TBG.
4. RU WL Co. Correlate w/ new GR/CBL/CCL Log. TIH w/ 4" HSC CSG Gun. Use Max gram charges for penetration.  
  
Perforate San Andres interval from 4,236' - 4,241'; 4,244' - 4,250'; 4,260' - 4,262' @ 4 JSPF - 90° Phasing. Total of 13' for 55 perforations. RD WL.
5. TIH w/ tail pipe x Test PKR on 2-7/8" TBG. Rev 5 BBLs x set PKR at  $\pm$  4,175.  
  
Pressure test annulus to 500 Psi. Displace spot acid and swab test for productivity. Give sample of swabbed fluid to service company for acid compatibility analysis.
6. Swab test OK. RU Service Co. Acidize at 3 BPM w/ 1,000 gals 15% NEFE HCl w/ additives for sludge prevention and fluid control. Overdisplace 5 BBLs w/ 2% KCl. Obtain ISIP, 5, 10 & 15 minute SITP readings. RD Service Co.
7. Swab / Flow load back. Test for productivity. Give service company swabbed fluid samples to evaluate sludge residuals and iron counts for future testing and stimulation design.
8. Rel PKR x POOH w/ tools when fluid returns clean up or load is recovered. Lift design will be determined from the productivity test.
9. Run production equipment x place well on production.

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