

Workover Procedure

W. P. Byrd No. 2

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5. TOH w/pkr & RBP.
 6. Re-perf Grayburg-San Andres $\pm$ 3842-3833' (2 JSPP) 18 holes. Perf Grayburg-San Andres $\pm$ 3832-3824' (2 JSPP) 16 holes. Correlate to Lane Wells GR/N/UCL dated 11-28-59.
 7. RIH w/treating pkr & SN w/1 jt 2-3/8" tailpipe on 2-3/8" & 2-7/8" to 3848' & spot 100 gals 15% NEFE HCl acid. Pull back to 3788'. Rvrs out 5 bbls (210 gals) of FW. Set pkr @ $\pm$ 3758' & press annulus to 500 psi.
 8. Establish injection rate w/produced water or 2% KCl water.
 9. Acidz Grayburg-San Andres perms w/3500 gals of 15% NEFE containing 150 gals scale inhibitor in 3 stages w/500# rock salt blocking material at 4 BPM. Max treating pressure should remain below 3000 psi.
 - a. Pump 900 gals (24 bbls) 15% NEFE HCl acid followed by 150# rock salt in 150 gals of 10# brine.
 - b. Pump 1250 gals (32 bbls) 15% NEFE HCl acid followed by 150# rock salt in 150 gals 10# brine.
 - c. Pump 1250 gals (30 bbls) 15% NEFE HCl acid.
- NOTE:** Have extra 200# block material mixed to be used depending on reaction to 1st block.
10. Flush to btm perms w/200 bbls of produced water.
 11. SI for 30 min & swab test.
 12. Kill well as necessary & POH w/tbg & pkr. RIH w/completion assy as per production department specifications.

KAC