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Form 9-331

Empire Abo Unit "P" #8

660 FSL & 660' FEL, Sec 9-18S-27E, Eddy County

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8. Tagged TOC @ 2708', drld cmt & cmt retr @ 2728', cmt to 3139'. Press test squeeze job 2806-3197' w/1500#. No squeeze.
9. RIH w/ cmt retr, set retr @ 2760'. Squeeze cmtd csg holes w/10 BFW, 20 bbl caustic solution, 10 BFW, 100 sx Cl "C" + LWL, 50 sx Cl "C" cont'g 2% CaCl_2 . Dumped 20 cmt on top of retr. WOC.
10. Drld cmt @ 2740' & cmt retr @ 2760', drld cmt to 3162'. Press tested squeeze into 2806-3197' w/ 1500# for 30 mins, OK.
11. Drld cmt & cmt retr @ 4950' CO to 5774' PBD. Press tested squeeze job 4999'-5000' to 1500# for 30 mins, OK.
12. Ran GR-CCL log. Perf'd Abo 5740-5760' w/ 2 JSPP. RIH w/ pkr, set @ 5711'. Acidized perfs 5740-5760' w/ 150 gals 15% HCL-LSTNE-FE, 1000 gal gel LO, 1000 gals gel CaCl_2 water, 1000 gals 15% HCL-LSTNE-FE, flushed w/ 23 BLO. Swab tested. POH w/ pkr.
13. RIH w/ production assy, SN @ 5727'. Ran rods & pump. On 24 hr test pmpd 9 BO, 8 BW, 7 MCFG on 12-74" SPM.
14. On 24 hr potential test 9/4/80 pmpd 3 BO, 1 BW, 4 MCFG on 11-74" SPM. GOR 1333:1.
FINAL REPORT.