

ATTACHMENT FOR NMOCC FORM C-105

SHELL OIL COMPANY RICHARDSON NO. 1

SECTION 30, T-9-S, R-33-E, LEA COUNTY, NEW MEXICO

JUNE 30, 1964

- DST #1: 4275'-4330' (55' San Andres). Tool open 2 hours thru 5/8" BC, 1/4" TC, 3 1/2" DP. Opened with weak air blow. No gas to surface. Recovered 130' (0.6 barrel) oil cut mud (estimated 25% oil). 45 minutes ISIBHP 918 psi. FBHP 43-58 psi. 90 minutes FSIBHP 1035 psi. HMP 2375 psi. Recovered mud titrated 120,000 ppm Cl⁻. Pit mud 140,000 ppm Cl⁻. Conclusive Test. (Cook)
- DST #2: 4332'-4365' (33' San Andres). Tool open 1 hour thru 5/8" BC, 1/4" TC, 3 1/2" DP with very weak blow, died in 30 minutes. Bypassed packer, had very weak blow, died in 15 minutes. No gas to surface. Recovered 180' (0.4 barrel) mud cut sulphur water with trace oil. 30 minutes ISIBHP 1357 psi. FP 43-116 psi. 30 minutes FSIBHP 1064 psi. HMP 2402-2402 psi. Recovered mud cut sulphur water titrated 140,000 ppm Cl⁻. Pit mud titrated 145,000 ppm Cl⁻. Conclusive Test. (Cook)
- DST #3: 4370'-4450' (80' San Andres). Tool open 1 hour thru 5/8" BC, 1/4" TC and 3 1/2" DP. Opened with fair blow and died after 10 minutes. Recovered 10' (0.05 barrel) mud with film of oil. BHT 73 degrees F. 60 minutes ISIBHP 14 psi. FBHP 4-9 psi. 90 minutes FSIBHP 14 psi. HMP 2328-2328 psi. Recovered mud titrated 109,000 ppm Cl⁻. Pit mud titrated 141,000 ppm Cl⁻. Conclusive Test. (Cook)

