

Attachment for NMOCC Form C-105

Shell Oil Company
China Canyon Unit 1
Section 29, T-23-S, R-24-E
NMPM Survey, Eddy County, New Mexico

- DST #1: 8795' - 8933' (138' Pennsylvanian, Des Moines). Tool open 1 hour 10 mins thru 5/8" BC, 1/4" TC, 4" DP. Opened with weak blow. No gas to surface. Recovery 20' (.115 bbls.) drilling mud. BHT 140° F. 89 minutes ISIBHP 163 psi. FBHP 23 - 23 psi. 90 minutes FSIBHP 140 psi. HMP 4290 - 4290 psi. Recovered mud titrated 2500 ppm Cl⁻. Pit mud titrated 2200 ppm Cl⁻. Conclusive Test. (HOWCO).
- DST #2: 9150' - 9217' (67' Pennsylvanian). Tool open 1 hr. 35 mins thru 3/4" BC, 1/2" TC, 4" DP. Opened with strong blow decreasing to weak in 25 minutes. GTS 12 minutes. TSTM. Recovered 120' (0.5 bbls.) slightly gas cut mud. 125 minutes ISIBHP 1350 psi. FBHP 87 - 87 psi. 120 minutes FSIBHP 1176 psi. HMP 4513 - 4513 psi. BHT 160 deg. F. Recovered mud titrated 500 ppm Cl⁻. Pit mud titrated 1000 ppm Cl⁻. Conclusive Test. (HOWCO).
- DST #3: 10,111' - 10,411' (300' Morrow). Tool open 2 1/2 hours thru 3/4" BC, 20/64" TC, 4" DP. Opened with weak blow. GTS 52 minutes. TSTM. Recovered 600' (5.8 bbls.) Mud + 3000' (31.1 bbls.) salt water. 83 minutes ISIBHP 4166 psi. FBHP 435 - 1697 psi. 120 minutes FSIBHP 4080 psi. HMP 5075 - 5075 psi. Recovered salt water titrated 61,000 ppm Cl⁻. Pit mud titrated 500 ppm Cl⁻. Conclusive Test.
- DST #4: 11,245' - 11,420' (175' Devonian). Tool open 2 hours 5 mins (including 5 min preflow) thru 5/8" BC, 1/4" TC, 4" DP. Opened with good blow decreasing to weak blow at end of test. NGTS. Recovered 1300' (13 bbls.) drilling mud + 5200' (52 bbls.) mud cut brackish water. BHT 184 deg. F. 90 minute ISIP 4688 psi. FBHP 647 - 2926 psi. 120 minutes FSIP 4688 psi. HMP 5760 - 5760 psi. Recovered water titrated 8500 ppm Cl⁻. Pit mud titrated 700 ppm Cl⁻. Conclusive Test. (HOWCO)

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