

Shell Oil Company
Henshaw Deep Unit # 9
660' FNL & 1980' FWL
Section 23-16S-30E
Eddy County, New Mexico

HISTORY OF WELL

Henshaw Deep Unit Well No. 9 was spudded at 3:00 PM, MST, September 18, 1963 with Cable Tools. Drilled to 523'. Cemented 10 3/4" casing at 523' w/275 sx. Cement circulated. Rigged up Rotary Tools. Air and mist drilled to 4511'. Cemented 7 5/8" casing at 4511' w/1100 sx. Air drilled to 8325'. Mudded up. Drilled to 8630'. Cored 8630' - 8822'. Ran DST # 1: 8790' - 8822' (32' Wolfcamp). Tool open 1 hour 31 minutes thru 5/8" BC, 1/8" TC, 4" DP w/weak blow and died in 1 hour 20 minutes. Recovered 50' (0.5 bbl.) slightly gas and water cut mud. 146 minutes ISIBHP 3336 psi. FBHP 29 - 43 psi. 180 minutes FSIBHP 3039 psi. HMP 4217 - 4200 psi. BHT 118 deg. F. Recovered mud titrated 7000 ppm Cl⁻. Pit mud titrated 1800 ppm Cl⁻. Conclusive Test. (Cook) Drilled to 8930'. Ran DST # 2: 8791' - 8930' (139' Wolfcamp). Tool open 2 hours thru 5/8" BC, 1" TC, 4" DP w/strong blow, decreased to weak in 9 minutes and continued throughout test. GTS 7 minutes. TSTM. Recovered 90' (0.9 bbl.) heavily gas and slightly oil cut mud + 360' (3.6 bbls.) heavily mud cut oil. Reversed out 1500' (15 bbls.) oil and gas cut water. 60 minutes ISIBHP 3245 psi. FBHP 349 - 1080 psi. 120 minutes FSIBHP 2868 psi. HMP 4247 - 4232 psi. BHT 120 deg. F. Recovered oil and gas cut water titrated 11,500 ppm Cl⁻. Pit mud titrated 1900 ppm Cl⁻. Conclusive Test. (Cook) Drilled to 9474'. Ran GR/N, 2IL, & ML-Prox. logs. Ran DST # 3: 8824' - 8868' (44' Wolfcamp). Tool open 3 hours thru 5/8" BC, 1" TC, 3 1/2" DP. Opened w/fair blow increasing to strong - nearly died in 1 1/2 hours. GTS 1 hour 38 minutes. TSTM. Reversed out 1000' (7.5 bbls.) gas cut drilling mud + 1700' (10.5 bbls.) gas and slightly mud cut sulfur water. 30 minutes ISIBHP failed. FBHP 632 - 1170 psi. 60 minutes FSIBHP 2849 psi. HMP 4261 - 4217 psi. BHT 130 deg. F. Recovered water titrated 11,600 ppm Cl⁻. Pit mud titrated 1400 ppm Cl⁻. Conclusive Test. (HOWCO)

Spotted cement plugs: 9150' - 8800' - 75 sx.
8600' - 8500' - 25 sx.
7800' - 7600' - 50 sx.
4550' - 4450' - 25 sx.
Surface - 15 sx.

Released rig November 2, 1963. Erected prescribed dry hole marker.
Well Plugged and Abandoned November 2, 1963.

R. A. Lowery
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District Exploitation Engineer