

Shell Oil Company
State A-5
NE/4, NE/4, Sec. 31-17S-35E
Lea County, New Mexico

- DST # 1: 6299' - 6793' (494' Yesso). Tool open 1 hour 49 minutes thru 5/8" BC, 1/2" TC, 3 1/2" DP. Opened w/good blow decreased to weak at end of test. NGTS. NPTS. Recovered 900' (7.3 bbls.) slightly oil and salt water cut mud + 3240' (26.2 bbls.) slightly oil cut salt water. 45 minutes ISIBHP 2640 psi. FBHP 483 - 2509 psi. 105 minutes FSIBHP 2614 psi. BHP in/out 2979/2979 psi. Recovered water titrated 12,500 ppm Cl⁻. Pit mud titrated 1200 ppm Cl⁻. BHT 118 deg. Conclusive Test. (Johnston)
- DST # 2: 8515' - 8586' (71' Abo). Tool open 50 minutes thru 5/8" BC, 1/4" TC, 3 1/2" DP. Opened w/very weak blow decreasing to no blow. NGTS. Recovered 60' (0.5 bbl.) slightly oil cut mud + 60' (0.5 bbl.) very slightly oil cut mud. 45 minutes ISIBHP 2948 psi. FBHP 76 - 76 psi. 60 minutes FSIBHP 2894 psi. BHP 3990 - 3990 psi. Recovery oil cut mud titrated 1100 ppm Cl⁻. Pit mud titrated 1300 ppm Cl⁻. Conclusive Test. (Cook)
- DST # 3: 9567' - 9726' (159' Wolfcamp). Tool open 10 minutes thru 5/8" BC, 1/4" TC, 3 1/2" DP. Opened w/weak blow decreasing to no blow in 95 minutes. NGTS. Recovered 180' very slightly oil cut mud. 90 minutes ISIBHP 2168 psi. FBHP 219 - 219 psi. 120 minutes FSIBHP 1568 psi. BHP 4547 - 4535 psi. Recovery mud titrated 1350 ppm Cl⁻. Pit mud titrated 1150 ppm Cl⁻. Conclusive Test. (Cook)
- DST # 4: 9981' - 10,045' (64' Wolfcamp). Tool open 3 1/2 hours. Gas to surface 4 minutes at maximum and initial rate 312 MCF/D. Minimum and final rate TSTM. Oil to surface 3 hours 35 minutes. Reversed out 13 BO + 5 bbls. heavily oil & gas cut mud, Gravity 39.5 deg. API. Recovered 90' (0.4 bbls.) gas cut mud + 90' (0.4 bbls.) mud cut water below circulating sub. 60 minutes ISIBHP 3839 psi. FBHP 266 - 1078 psi. 100 minutes FSIBHP 3379 psi. BHP in and out 4624 psi. BHT 144 deg. Recovery water titrated 1900 ppm Cl⁻. Pit mud titrated 1400 ppm Cl⁻. Conclusive Test. (Johnston)
- DST # 5: 10,071' - 10,146' (75' Wolfcamp). Tool open 2 hours 35 minutes. NGTS. Recovered 20' mud. 85 minutes ISIBHP 557 psi. FBHP 103 - 117 psi. 150 minutes FSIBHP 591 psi. BHP 4697 - 4738 psi. Recovered mud titrated 1200 ppm Cl⁻/ Pit mud titrated 1500 ppm Cl⁻. Conclusive Test. (Johnston)
- DST # 6A: 9375' - 9469' (94' Wolfcamp). Straddle test. Upper packers failed.

Original Signed By
R. A. LOWERY

R. A. Lowery
District Exploitation Engineer

January 28, 1963

R. A. Lowery
District Exploration Engineer

R. A. Lowery
District Engineer

021 3 02 9375 - 9469 (61' Wolfcamp). Straddle test. Upper packers failed.

021 3 02 10,071 - 10,146 (75' Wolfcamp). Tool open 2 hours 35 minutes. NGTS. Recovered 20' mud. 85 minutes ISIRIP 557 gal. FHP 103 - 117 gal. 150 minutes FSRIP 591 gal. FHP 1697 - 1738 gal. Recovered mud filtrated 1500 ppm CI. Pits and filtrated 1500 ppm CI. Conclusive Test. (Johnson)

021 3 02 10,045 - 10,045 (61' Wolfcamp). Tool open 3 1/2 hours. Gas to surface 4 minutes at maximum and filtrated 312 MB/D. Minimum and final reseal. Oil to surface 3 hours 35 minutes. Recovered out 13 80 + 5 bbls. Heavily oil & gas cut mud, gravity 39.2 deg. API. Recovered 30' (0.4 bbls.) Gas cut mud + 90' (0.4 bbls.) mud cut water below circulating ann. 60 minutes ISIRIP 3839 gal. FHP 266 - 1078 gal. 100 minutes FSRIP 3319 gal. FHP in and out 4034 gal. BHT 144 deg. Recovery water filtrated 1900 ppm CI. Pits and filtrated 1400 ppm CI. Conclusive Test. (Johnson)

021 3 02 9507 - 9508 (15' Wolfcamp). Tool open 10 minutes then 5/8" BC, 1 1/4" TC, 3 1/2" DP. Opened w/weak flow decreasing to no flow in 95 minutes. NGTS. Recovered 180' very slightly oil cut mud. 90 minutes ISIRIP 2168 gal. FHP 219 - 219 gal. 120 minutes FSRIP 1568 gal. FHP 1547 - 1532 gal. Recovery mud filtrated 1350 ppm CI. Pits and filtrated 1150 ppm CI. Conclusive Test. (Cook)

021 3 02 9555 - 9556 (71' Abo). Tool open 50 minutes then 5/8" BC, 1 1/4" TC, 3 1/2" DP. Opened w/very weak flow decreasing to no flow. NGTS. Recovered 60' (0.2 bbl.) slightly oil cut mud + 60' (0.2 bbl.) very slightly oil cut mud. 65 minutes ISIRIP 5943 gal. FHP 76 - 76 gal. 60 minutes FSRIP 8804 gal. FHP 3990 - 3990 gal. Recovery oil cut mud filtrated 1100 ppm CI. Pits and filtrated 1300 ppm CI. Conclusive Test. (Cook)

021 3 02 9593 - 9593 (49' Yates). Tool open 1 hour 45 minutes then 5/8" BC, 1 1/4" TC, 3 1/2" DP. Opened w/good flow decreased to weak at end of test. NGTS. Recovered 300' (7.3 bbls.) slightly oil and salt water cut mud + 3840' (36.2 bbls.) slightly oil and salt water. 45 minutes FSRIP 2640 gal. FHP 482 - 482 gal. 105 minutes FSRIP 2014 gal. FHP in/out 2379/2379 gal. Recovered water filtrated 15,500 ppm CI. Pits and filtrated 1200 ppm CI. BHT 118 deg. Conclusive Test. (Johnson)

State A-5
MR. A. W. A. Dec. 31-173-322
Las Conchas, New Mexico
Shell Oil Company