

SHELL OIL COMPANY
GLADIOLA FIELD
IVEY # 1
SEC. 29-11S-38E
LEA COUNTY, NEW MEXICO

DST # 1:

9389' - 9600' (211' Wolfcamp limestone). Tool open 2 hours thru 5/8" BC & 1/4" TC on 3 1/2" DS. Tool opened w/fair blow decreasing to weak by end of test. NOTS. Recovered 540' (3.6 bbls.) very slightly gas cut drilling fluid. No indication of formation water. 30 minutes ISIBHP 2805 psi (not completely built up). FBHP 215 - 355 psi. 30 minutes FSIBHP 2280 psi (not completely built up). HME 4610 - 4610 psi.
Positive Test. (Johnston)

DST # 2:

11,930' - 12,068' (19' Devonian & 119' Mississippian). Tool open 4 hours thru 5/8" BC, 1" TC, 3 1/2" DS. Opened w/strong blow decreasing to fair in 1 hour. GTS 16 minutes. @ rate TSTM. OTS 2 hours 15 minutes. Cleaned to pits 30 minutes. Flowed 19.2 BO in 75 minutes. Gravity 43.5 deg. API. Last 1/2 hour flowed at rate 18 BOPH. Reversed out 11,570' (85 bbls.) oil. Recovered 360' (2.6 bbls.) mud & gas cut oil below circulating sub. No evidence of water. 30 minutes ISIBHP 4200 psi. FBHP 840 - 3800 psi. HME 4880 psi. FSIP failed. Maximum temperature 330 deg. Conclusive Test. (Cook)

DST # 3:

12,078' - 12,090' (12' Devonian dolomite). Tool open 3 hours thru 5/8" BC, 1" TC, 3 1/2" DS. Opened w/immediate good blow decreasing to fair in 30 minutes & lasting throughout test. GTS 1 hour 10 minutes. @ rate TSTM. Reversed out 100' (0.7 bbl.) oil & 8200' (59.5 bbls.) salt water (titrated 49,000 ppmCl⁻). Recovered 450' (3.3 bbls.) salt water below circulating sub. (Pit mud titrated 21,000 ppmCl⁻). FBHP 500 - 3900 psi. 60 minutes FSIBHP 4340 psi. HME 5560 psi. BHT 218 deg.
Conclusive Test. (Cook)