FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE March 30, 1966

Operator: El Paso Natural Gas Company		Lease: Farmington A No. 1	
Location: 800'S, 800'E, Section 1, T-29-N, R-13-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6061	Tubing: Diameter: 2.375	Set At: Feet: 5977
Pay Zone: From: 5863	To: 5978	Total Depth: 6061	Shut In: 3-23-66
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750	Choke Constant: C: 12.365				
Shut-In Pressure, Casing, PSIG: 1977	+ 12 = PSIA: 1989	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 1456	+ 12 = PSIA: 1468	
Flowing Pressure: P PSIG: 525	+ 12 = PSIA: 537		Working Pressure: Pw PSIG: 1139	+ 12 = PSIA: 1151	
Temperature: T = 79 °F	Ft = .9822	n = .75	Fpv (From Tables): 1.053	Gravity: .665	Fg = .9498

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = (12.365) (537) (.9822) (.9498) (1.053) = 6,523 MCF/D

OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 \quad P_w^2} \right)^n$

Aof = $\left(\frac{3,956,121}{2,631,320} \right)^n$ = (6,523) (1.5034)$^{.75}$ = (6,523) (1.3577)

Aof = 8,856 MCF/D

NOTE: Distillate to surface in 30 seconds. Slug lasted 1-1/2 minutes and was followed by a slug of water which lasted 2 minutes. Well produced a heavy spray of distillate and water throughout the remainder of the test.

TESTED BY Hermon E. McAnally and Walter Cassida

WITNESSED BY

CALCULATED BY Hermon E. McAnally

CHECKED BY Tom B. Grant

H. L. Kendrick