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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE November 12,1968

Operator: El Paso Natural Gas Company		Lease: Russell No. 7	
Location: 1840'S, 1500'E, Sec. 25, T-28-N, R-8-W		County: San Juan	State: New Mexico
Formation: Pictured Cliffs		Pool: South Blanco	
Casing: Diameter: 2.875	Set At: Feet: 2870	Tubing: Diameter: No Tubing	Set At: Feet: ---
Pay Zone: From: 2750	To: 2774	Total Depth: 2870	Shut In: 10-28-68
Stimulation Method: Sand Water Frac		Flow Through Casing: X	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG: 1015	+ 12 = PSIA: 1027	Days Shut-In: 15	Shut-In Pressure, Tubing PSIG: No Tubing	+ 12 = PSIA:	
Flowing Pressure: P PSIG: 91	+ 12 = PSIA: 103		Working Pressure: P_w PSIG: Calc.	+ 12 = PSIA: 128	
Temperature: T= 59 °F Ft=1.0010	n = .85		Fpv (From Tables): 1.009	Gravity: 0.670 Fg = .9463	

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$Q = (12.365)(103)(1.0010)(0.9463)(1.009)$ = 1217 MCF/D

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

Aof = $\left(\frac{1054729}{1038545} \right)^n$ = $(1217)(1.0157)^{.85} = (1217)(1.0133)$

Note: This well made a fine mist at the start of the test and then blew dry gas for the remainder of the three hour test.

Aof = 1233 MCF/D

RECEIVED
NOV 18 1968
OIL CON. COM.
DIST. 3

TESTED BY B.J. Broughton

Calculated
WITNESSED BY G.A. Lippman

H. L. Kendrick