FORM 23-78 (4-56)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE December 18, 1956

Operator: El Paso Natural Gas Company		Lease: Rincon # 61	
Location: 1058'N, 1088'E, Sec. ~~25-27-7~~ 30-27-6		County: Rio Arriba	State: New Mexico
Formation: Pictured Cliffs		Pool: South Blanco	
Casing: Diameter: 5½	Set At: Feet: 3204	Tubing: Diameter: 1¼	Set At: Feet: 3154
Pay Zone: From: 3091	To: 3150	Total Depth: 3200 - c/o - 3160	
Stimulation Method: Sand Water		Flow Through Casing: X	Flow Through Tubing:

Choke Size, Inches: 0.75	Choke Constant: C: 14.1605		
Shut-In Pressure, Casing: PSIG + 12 = PSIA: 1012	1024	Days Shut-In: 7	Shut-In Pressure, Tubing: PSIG + 12 = PSIA: 1012	1024
Flowing Pressure: P_w PSIG + 12 = PSIA: 131	143		Working Pressure: P_w PSIG + 12 = PSIA: 134	146
Temperature: T: 56	F_n = .85		Fpv (From Tables): 1.013	Gravity: .640

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

Q = 14.1605 x 143 x 1.0039 x .9682 x 1.013 = 1993 MCF D

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

Aof = $\left(\frac{1,048,576}{1,027,260}\right)^n$ $(1.0207)^{.85}$ x 1993 = 1.0176

Aof = 2028 MCF D

TESTED BY R. A. Ullrich

WITNESSED BY

L. D. Galloway

L. D. Galloway