FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 24, 1973

Operator: El Paso Natural Gas Company		Lease: San Juan 28-6 Unit #184	
Location: 850/S, 1180/W, Sec. 7, T-28-N, R6W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4500	Set At: Feet: 8124'	Tubing: Diameter: 1 1/2"	Set At: Feet: 8085'
Pay Zone: From: 7867'	To: 8107'	Total Depth: 8124'	Shut In: 8-15-73
Stimulation Method: Sand Water Frac		Flow Through Casing: X	Flow Through Tubing:

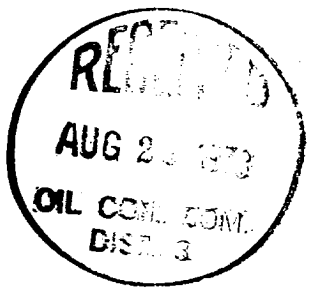
Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2721	+ 12 = PSIA: 2733	Days Shut-In: 8	Shut-In Pressure, Tubing PSIG: 1369	+ 12 = PSIA: 1381	
Flowing Pressure: P PSIG: 256	+ 12 = PSIA: 268		Working Pressure: P_w PSIG: 753	+ 12 = PSIA: 765	
Temperature: T= 78°F Ft= .9831	n = .75		Fpv (From Tables): 1.021	Gravity: .620	Fg = .9837

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

$Q = (12.365)\ (268)\ (.9831)\ (.9837)\ (1.021) =$ 3272 MCF/D

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

$Aof = Q \left(\frac{7469289}{6884064} \right)^n = 3272\ (1.0850)^{.75} = 3272\ (1.0631)$



Aof = 3478 MCF/D

Note: Well produced a heavy spray of water throughout the test.

TESTED BY R. Hardy

WITNESSED BY

William D. Welch

Well Test Engineer