FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE November 8, 1973

Operator: El Paso Natural Gas Company		Lease: San Juan 32-7 Unit #34	
Location: 1080/N, 1190/E, Sec. 27, T32N, R7W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8243'	Tubing: Diameter: 1 1/2	Set At: Feet: 8190'
Pay Zone: From: 8110	To: 8208	Total Depth: 8243	Shut In: 10-26-73
Stimulation Method: Sandwater Frac		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: 0.750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2598	+ 12 = PSIA: 2610	Days Shut-In: 13	Shut-In Pressure, Tubing PSIG: 429	+ 12 = PSIA: 441	
Flowing Pressure: P PSIG: 78	+ 12 = PSIA: 90		Working Pressure: P_w PSIG: 233	+ 12 = PSIA: 245	
Temperature: T= 58 °F	Ft= 1.0019	n = .75	Fpv (From Tables): 1.009	Gravity: .650	Fg = .9608

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

$Q = (12.365)(90)(1.0019)(.9608)(1.009) =$ 1081 MCF/D

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

$Aof = Q \left(\frac{6812100}{6752075} \right)^n = (1081)(1.0089)^{.75} = (1081)(1.0067)$

Aof = 1088 MCF/D

Note: The well produced dry gas throughout the test.

TESTED BY R. Hardy

WITNESSED BY _____

D. E. McAnally

Well Test Engineer