FORM 23-72 (12-65)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE May 30, 1975

Operator: El Paso Natural Gas Company		Lease: San Juan 28-7 Unit #222	
Location: 1490/S, 1480/W, Sec. 25, T28N, R7W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7346'	Tubing: Diameter: 1.990	Set At: Feet: 7305'
Pay Zone: From: 7130	To: 7331'	Total Depth: 7346' PBTD 7340	Shut In: 5-5-75
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: 2593	+ 12 = PSIA: 2605	Days Shut-In: 25	Shut-In Pressure, Tubing PSIG: 2034		+ 12 = PSIA: 2046
Flowing Pressure: P PSIG: 501	+ 12 = PSIA: 513		Working Pressure: Pw PSIG: 703		+ 12 = PSIA: 715
Temperature: T= 74 °F Ft= .9868	n = .75		Fpv (From Tables): 1.054		Gravity: .650 Fg = .9608

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

$Q = (12.365)(513)(.9868)(.9608)(1.054) =$ 6339 MCF/D

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

$Aof = Q \left(\frac{6786025}{6274800} \right)^n = 6339(1.0814)^{.75} = 6339(1.0604)$

$Aof =$ 6722 MCF/D

Note: During the first 45 minutes of test we produced a little drip. The remainder of test showed dry flow. We vented 908.72 MCF of gas to the atmosphere during the test.

TESTED BY Johnson

WITNESSED BY _____

Jerry W. Drink

Well Test Engineer