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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE September 13, 1967

Operator: El Paso Natural Gas Company		Lease: San Juan 28-6 Unit No. 125	
Location: 1740'N, 1190'E, Sec. 21, T-28-N, R-6-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7819	Tubing: Diameter: 2.375	Set At: Feet: 7500
Pay Zone: From: 7530	To: 7734	Total Depth: 7820	Shut In: 9-5-67
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2715	+ 12 = PSIA: 2727	Days Shut-In: 8	Shut-In Pressure, Tubing PSIG: 2710	+ 12 = PSIA: 2722	
Flowing Pressure: P PSIG: 456	+ 12 = PSIA: 468		Working Pressure: P_w PSIG: 1465	+ 12 = PSIA: 1477	
Temperature: T= 79 °F Ft= .9822	n = .750		Fpv (From Tables): 1.045	Gravity: .66 Fg = .9535	

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

$Q = (12.365)(468)(.9822)(.9535)(1.045) =$ 5663 MCF/D

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

$Aof = \left(\frac{7436529}{5255000} \right)^n = (5663)(1.4151)^{.75} = (5663)(1.2979)$

NOTE: The well produced a slight fog of dist. and water throughout the test.

Aof = 7350 MCF/D

RECEIVED
SEP 19 1967
OIL CON. COM.
DIST. 3

TESTED BY T. Norton

CHECKED
WITNESSED BY T. B. Grant

H. L. Kendrick