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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 2, 1967

Operator: El Paso Natural Gas Company		Lease: San Juan 28-5 Unit No. 74	
Location: 1650'S, 1695'W, Sec. 36, T-28-N, R-5-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 5.500	Set At: Feet: liner from 8337 to 8704	Tubing: Diameter: 2.375	Set At: Feet: 8382 (8275)
Pay Zone: From: 8413	To: 8608	Total Depth: 8706	Shut In: 7-14-67
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: 2649	+ 12 = PSIA: 2661	Days Shut-in: 19	Shut-in Pressure, Tubing PSIG: 2660	+ 12 = PSIA: 2672	
Flowing Pressure: P PSIG: 379	+ 12 = PSIA: 391		Working Pressure: P_w PSIG: 1146	+ 12 = PSIA: 1158	
Temperature: T= 65 °F	Ft= .9952	n = .75	Fpv (From Tables): 1.030	Gravity: .600	Fg = 1.000

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

$Q = (12.365)(391)(.9952)(1.000)(1.030) = 4956$ MCF/D

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

$Aof = \left(\frac{7139584}{5798620} \right)^n = (4956)(1.2312)^{.75} = (4956)(1.1686)$

NOTE: The well produced a light mist of hydrocarbons with a trace of water throughout the test.

Aof = 5792 MCF/D

TESTED BY R. F. Headrick

WITNESSED BY

RECEIVED
AUG 8 1967
OIL CON. COM.
DIST. 3

H. L. Kendrick

H. L. Kendrick by TBC