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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE September 7, 1967

Operator: El Paso Natural Gas Company		Lease: San Juan 28-5 Unit No. 70	
Location: 1450'S, 1175'W, Sec. 34, T-28-N, R-5-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7880	Tubing: Diameter: 2.375	Set At: Feet: 7610
Pay Zone: From: 7628	To: 7832	Total Depth: 7880	Shut In: 8-18-67
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: 2498	+ 12 = PSIA: 2510	Days Shut-In: 20	Shut-In Pressure, Tubing PSIG: 2485	+ 12 = PSIA: 2497	
Flowing Pressure: P PSIG: 251	+ 12 = PSIA: 263		Working Pressure: Pw PSIG: 946	+ 12 = PSIA: 958	
Temperature: T= 75 °F	Ft= .9859	n = .75	Fpv (From Tables): 1.028	Gravity: .700	Fg= .9258

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

$Q = (263)(12.365)(.9859)(.9258)(1.028) = 3051$ MCF/D

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

$Aof = \left(\frac{6300100}{5382336} \right)^n = (3051)(1.1705)^{.75} = (1.1252)(3051)$

NOTE: Blew heavy fog of light distillate and water throughout the test.

Aof = 3433 MCF/D

TESTED BY J. B. Goodwin

CHECKED WITNESSED BY H. E. McAnally

RECEIVED SEP 13 1967 OIL CON. COM. DIST. 3

H. L. Kendrick