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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE September 17, 1968

Operator: El Paso Natural Gas Company		Lease: San Juan 28-5 Unit No. 76	
Location: 1610'N, 1460'E, Sec. 21, T-28-N, R-5-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8058	Tubing: Diameter: 2.375	Set At: Feet: 7865
Pay Zone: From: 7898	To: 8048	Total Depth: 8058	Shut In: 9-1-68
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: 2717	+ 12 = PSIA: 2729	Days Shut-In: 16	Shut-In Pressure, Tubing PSIG: 2706	+ 12 = PSIA: 2718	
Flowing Pressure: P PSIG: 318	+ 12 = PSIA: 330		Working Pressure: P_w PSIG: 932	+ 12 = PSIA: 944	
Temperature: T= 77 °F Ft=.9840	n = .75		Fpv (From Tables): 1.031	Gravity: .670 Fg = .9463	

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

$Q = (12.365)(330)(.9840)(.9463)(1.031) = 3917$ MCF/D

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

$Aof = \left(\frac{7447441}{6556305} \right)^n = (1.1359)(3917)^{.75} = (1.1001)(3917)$

NOTE: The well produced a light fog of distillate and water throughout the test.

RECEIVED
SEP 19 1968
OIL CON. COM.
DIST. 3

Aof = 4309 MCF/D

TESTED BY Don Norton

WITNESSED BY Calculated C. R. Wagner

H. L. Kendrick