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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE August 17, 1967

Operator: El Paso Natural Gas Company		Lease: San Juan 28-5 Unit No. 73	
Location: 1845'N, 1845'E, Sec. 35, T-28-N, R-5-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8010	Tubing: Diameter: 2.375	Set At: Feet: 7684
Pay Zone: From: 7706	To: 7914	Total Depth: 8010	Shut In: 7-29-67
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: 19	Shut-In Pressure, Tubing PSIG: 2719	+ 12 = PSIA: 2731	
Flowing Pressure: P PSIG: 233	+ 12 = PSIA: 245		Working Pressure: P_w PSIG: 872	+ 12 = PSIA: 884	
Temperature: T= 75 °F	Ft= .9859	n = .75	Fpv (From Tables): 1.017	Gravity: .600	Fg = 1.0000

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

$Q = (12.365)(245)(.9859)(1.0000)(1.017)$ = 3037 MCF/D

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

$Aof = \left(\frac{7458361}{6676905} \right)^n = (3037)(1.1170)^{.75} = (3037)(1.0865)$

Aof = 3300 MCF/D

RECEIVED
AUG 21 1967
OIL CON. COM.
DIST. 3

TESTED BY D. R. Roberts

CHECKED
WITNESSED BY A. J. Loleit

CALCULATED BY T. B. Grant

H. L. Kendrick