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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE June 21, 1967

Operator: El Paso Natural Gas Company		Lease: San Juan 29-6 Unit No. 99	
Location: 1650'S, 1075'W, Sec. 34, T-29-N, R-6-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7785	Tubing: Diameter: 2.375	Set At: Feet: 7597
Pay Zone: From: 7604	To: 7685	Total Depth: 7785	Shut In: 6-10-67
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: 2631	+ 12 = PSIA: 2643	Days Shut-In: 11	Shut-In Pressure, Tubing PSIG: 2620	+ 12 = PSIA: 2632	
Flowing Pressure: P PSIG: 286	+ 12 = PSIA: 298		Working Pressure: P_w PSIG: 986	+ 12 = PSIA: 998	
Temperature: T= 76 °F	Ft= .9850	n = .75	Fpv (From Tables): 1.021	Gravity: .600	Fg = 1.0000

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

$Q = (12.365)(298)(.9850)(1.0000)(1.021) = 3705$ MCF/D

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

$Aof = \left(\frac{6985449}{5989445} \right)^n = (3705)(1.1662)^{.75} = (3705)(1.1222)$

NOTE: Well blew dry gas thoughout the test.

RECEIVED
JUN 27 1967
OIL CON. COM.
DIST. 3

Aof = 4158 MCF/D

TESTED BY D. R. Roberts

CALCULATED ~~WITNESSED~~ BY H. L. Kendrick

H. L. Kendrick