FORM 33-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 6-17-71

Operator: El Paso Natural Gas Company		Lease: San Juan 27-4 Unit No. 59	
Location: 1460'N, 1800'E, S 4, T27N. R4W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8641	Tubing: Diameter: 1.990	Set At: Feet: 8586
Pay Zone: From: 8408	To: 8572	Total Depth: 8641	Shut In: 6-8-71
Stimulation Method: S W F		Flow Through Casing: xxx	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2599	+ 12 = PSIA: 2611	Days Shut-In: 9	Shut-In Pressure, Tubing PSIG: 2599	+ 12 = PSIA: 2611	
Flowing Pressure: P PSIG: 163	+ 12 = PSIA: 175		Working Pressure: P_w PSIG: 347	+ 12 = PSIA: 359	
Temperature: T= 61 °F Ft= .9990	n = .75		Fpv (From Tables): 1.015	Gravity: .625 Fg = .9798	

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = 12.365 x 175 x .9990 x .9798 x 1.015 = 2150 MCF/D

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

Note: Well blew light spray of water & distillate throughout test.

Aof = $\left(\frac{6817321}{6688440} \right)^n$ = $2150(1.0192)^{.75}$ = $2150(1.0144)$

Aof = 2181 MCF/D

RECEIVED
JUN 22 1971
OIL CON. COM.
DIST. 3

TESTED BY R. R. Hardy

WITNESSED BY

H. L. Kendrick