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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE 5-28-71

Operator: El Paso Natural Gas Company		Lease: San Juan 27-5 Unit No. 129	
Location: 1550'N, 810'W, S 26, T27N, R5W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7798	Tubing: Diameter: 1.990	Set At: Feet: 7726
Pay Zone: From: 7474	To: 7732	Total Depth: 7798	Shut In: 5-20-71
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: 2557	+ 12 = PSIA: 2569	Days Shut-In	Shut-In Pressure, Tubing PSIG: 2313	+ 12 = PSIA: 2325	
Flowing Pressure: P PSIG: 287	+ 12 = PSIA: 299		Working Pressure: Pw PSIG: 551	+ 12 = PSIA: 563	
Temperature: T= 65 °F	Ft= .9952	n = .75	Fpv (From Tables): 1.028	Gravity: .655	Fg = .9571

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

Q = 12.365 x 299 x .9952 x .9571 x 1.028 = 3620 MCF/D

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

Note: The well produced a light fog of distillate and water for the first 12 min. and then produced a very light fog of distillate and water throughout the remainder of the test.

Aof = $\left(\frac{6599761}{6282792} \right)^n$ = (362))(1.0504)$^{.75}$ = (3620)(1.0376)

Aof = 3756 MCF/D

RECEIVED
JUN 11 1971
OIL CON. COM.
DIST. 3

TESTED BY T. D. Norton

WITNESSED BY

H. L. Kendrick