FORM 23-75 (12-65)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

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DATE July 2, 1969

Operator: El Paso Natural Gas		Lease: Day No. 4	
Location: 497'N; 790'W; S-18; T-29N; R-8W		County: San Juan	State: New Mexico
Formation: Pictured Cliffs Undes		Pool: Blanco	
Casing: Diameter: 2.875	Set At: Feet: 3079	Tubing: Diameter: No tubing	Set At: Feet: -----
Pay Zone: From: 3017	To: 3040	Total Depth: 3100	Shut In: 6-20-69
Stimulation Method: Sand Water Frac		Flow Through Casing: xx	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365		Tubingless completion	
Shut-In Pressure, Casing, PSIG: 788	+ 12 = PSIA: 800	Days Shut-In: 12	Shut-In Pressure, Tubing PSIG: No tubing	+ 12 = PSIA:	
Flowing Pressure: P PSIG: 111	+ 12 = PSIA: 123		Working Pressure: Pw PSIG: Calc.	+ 12 = PSIA: 127	
Temperature: T= 61 °F	Ft= .9990	n = .85	Fpv (From Tables): 1.011	Gravity: .650	Fg = .9608

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

$Q = (12.365)(123)(.9990)(9608)(1.011)$ = 1476 MCF/D

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

Aof = $\left(\frac{640000}{623871} \right)^n$ = $(1.0258)^{.85}$ 1476 = 1.0218 (1476)

Note: Dry gas throughout test.

RECEIVED
JUL 8 1969
OIL CON. COM.
DIST. 3

Aof = 1508 MCF/D

TESTED BY D. R. R.

Calculated

~~WITNESSED~~ BY R. F. & R.E.S.

H. L. Kendrick