

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 24, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 7-F	
Location 1190'N, 1040'W, Sec. 22-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5-1/2	Set At: Feet 3119	Tubing: Diameter 1-1/4	Set At: Feet 3077
Pay Zone: From 3025	To 3081	Total Depth: 3120	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1026	- 12 = PSIA 1038	Days Shut-In 21	Shut-In Pressure, Tubing PSIG 1027	- 12 = PSIA 1039	
Flowing Pressure: P PSIG 340	- 12 = PSIA 352		Working Pressure: Pw PSIG 356	- 12 = PSIA 368	
Temperature: T F 60	n .85		Fpv (From Tables) 1.042	Gravity .690 est.	

CHOKE VOLUME = Q C x P_i x F_i x F_g x F_{pv}

Q = 12.365 x 352 x 1.0 x .9325 x 1.042 = 4229 MCF/D

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

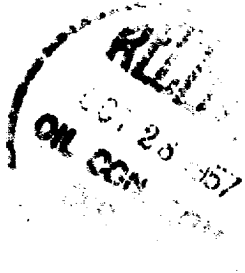
Aof $\left(\frac{1,079,521}{944,097} \right)^n = 1.1434^{.85} \times 4229 = 1.1208 \times 4229$

Aof 4740 MCF/D

TESTED BY R. A. Ullrich

WITNESSED BY Virgil Stoabs (J. Glenn Turner)

L. D. Galloway
L. D. Galloway



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