

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 17, 1956

Operator El Paso Natural Gas Company		Lease Huerfano Unit # 67	
Location 800'N, 1650'W, Sec. 6-26-10		County San Juan	State New Mexico
Formation Pictured Cliff		Pool West-Kutz	
Casing: Diameter 5 $\frac{1}{2}$	Set At: Feet 2205	Tubing: Diameter 1 $\frac{1}{4}$	Set At: Feet 2080
Pay Zone: From 2077	To 2132	Total Depth: 2205 - c/o - 2150	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 14.1605			
Shut-In Pressure, Casing, PSIG 399	- 12 = PSIA 411	Days Shut-In 17	Shut-In Pressure, Tubing, PSIG 399	- 12 = PSIA 411
Flowing Pressure, P, PSIG 247	- 12 = PSIA 259		Working Pressure: P _w , PSIG 253	- 12 = PSIA 265
Temperature: T, °F 71	n = .85		Fpv (From Tables) 1.023	Gravity .650 est.

CHOKE VOLUME = Q = C x P_r x F_r x F_g x F_{pv}

Q = 14.1605 x 259 x .9896 x .9608 x 1.023 = 3567 MCF/D

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

Aof = $\left(\frac{168,921}{98,696} \right)^{.85} \times (1.7115)^{.85} \times 1.579 \times 3567$

Aof 5632 MCF/D

TESTED BY K. C. McBride

WITNESSED BY



L. D. Galloway

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