

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 21, 1956

Operator El Paso Natural Gas Company		Lease Huerfano Unit #63	
Location 1650'N, 1650'W, Sec. 4-26-10		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool West Kutz	
Casing: Diameter 5½	Set At: Feet 2375	Tubing: Diameter 1¼	Set At: Feet 3603
Pay Zone: From 2304	To 2335	Total Depth: 2420 c/o 2350	
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 389	- 12 PSIA 401	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 389	- 12 PSIA 401
Flowing Pressure: P PSIG 280	- 12 PSIA 292		Working Pressure: P _w PSIG 285	- 12 PSIA 297
Temperature: T °F 58	n .85		Fpv (From Tables) 1.023	Gravity .593

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_p$

$Q = 14.1605 \times 292 \times 1.0019 \times 1.008 \times 1.023 \quad 4272 \quad \text{MCF/D}$

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

$Aof = \left(\frac{160,801}{72,592} \right)^n \quad (2.215)^{.85} \times 4272 = 1.964 \times 4272$

$Aof = 8390 \quad \text{MCF/D}$



TESTED BY K. C. McBride

WITNESSED BY _____

L. D. Galloway
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