

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE October 10, 1957

Operator El Paso Natural Gas Company		Lease Riddle No. 3-F	
Location 1150'N, 1131'E, Sec. 20-28-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 2559	Tubing: Diameter 2	Set At: Feet 4397
Pay Zone: From 4076	To 4740	Total Depth: 4840	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75		Choke Constant: C 12.365		5-1/2" liner - 2511 to 4834	
Shut-In Pressure, Casing, PSIG PC 883	- 12 = PSIA 895	Days Shut-In 14	Shut-In Pressure, Tubing PSIG 1073	- 12 = PSIA 1085	
Flowing Pressure: P PSIG 376	- 12 = PSIA 388		Working Pressure: Pw Calculated	- 12 = PSIA 723	
Temperature: T °F 69	n .75		Fpv (From Tables) 1.042	Gravity .680	

Final SIPC (PC) - 888 psig; Packer at 2617

CHOKE VOLUME: $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = 12.365 \times 388 \times .9915 \times .9393 \times 1.042 = 4656 \text{ MCF/D}$$

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

$$A_{of} \left(\frac{1,177,225}{654,496} \right)^n = 1.7986^{.75} \times 4656 = 1.5510 \times 4656$$

Aof 7221 MCF/DTESTED BY R. A. Ullrich

WITNESSED BY _____

cc: E. S. Oberly (6)

L. D. Galloway

L. D. Galloway



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