

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE January 29, 1958

Operator El Paso Natural Gas Company		Lease Florance No. 4-C (M)	
Location 1600'S 2161'W, Sec. 29-28-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 2424	Tubing: Diameter 2"	Set At: Feet 4706
Pay Zone: From 4520	To 4756	Total Depth: 4791 - c/c 4766	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant: C 12.365	5-1/2" liner. 2379 - 4786	
Shut-In Pressure, Casing, PSIG 843 PC	PSIA 855	Days Shut-In 35 MV	Shut-In Pressure, Tubing, PSIG 1074 MV
Flowing Pressure: P, PSIG 372	12 - PSIA 384	Working Pressure: Pw, PSIG Calculated	12 - PSIA 734
Temperature: T, F 66	F 0.75	Fpv (From Tables) 1.047	Gravity .717

Final SIPC (PC) - 846 psig. 1-1/4" at 2324. Packer at 2416

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 384 \times .9943 \times .9161 \times 1.047 = 4528 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,179,396}{640,640} \right)^n = 1.8409^{.75} \times 4528 = 1.5810 \times 4528$$

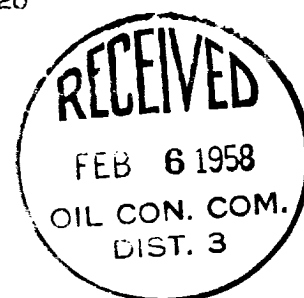
$$Aof = 7159 \text{ MCF/D}$$

TESTED BY: S. V. Roberts

WITNESSED BY: _____

cc: E. S. Oberly (6)

L. D. Galloway
L. D. Galloway



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