

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE April 10, 1958

Operator El Paso Natural Gas Company		Lease Tapp No. 3 (M)	
Location 1650S, 990W; 15-28-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter (PC) 7-5/8"	Set At: Feet 2464	Tubing: Diameter (MV) 2"	Set At: Feet 4637
Pay Zone: From 3976	To 4650	Total Depth: 4716 c/o 4713	Shut-In 3-20-58
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365		5-1/2 liner 2425-4716	
Shut-In Pressure, Casing, (PC) 999	PSIG	12 = PSIA 1011	Days Shut-In 14	Shut-In Pressure, Tubing (MV) 1060	PSIG
Flowing Pressure: P 355	PSIG	12 = PSIA		Working Pressure: Pw Calc.	PSIG
Temperature: T 68	F	n		Fpv (From Tables) 1.039	Gravity .670

Initial SIPC 999 PSIG
Final SIPC 1000 PSIG

Pkr. at 2463

1-1/4 at 2338 tbg. head

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = (12.365) (367) (.9924) (.9463) (1.039) = 4428 \text{ MCF/D}$$

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

$$A_{of} = \left(\frac{1149184}{666159} \right)^n = (1.7250)^{.75} (4424) = (1.505) (4428)$$

Aof 6664 MCF/D

TESTED BY S. V. RobertsWITNESSED BY Bill Rischard

Lewis D. Galloway
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