

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 6, 1957

Operator El Paso Natural Gas Company		Lease Evans # 1	
Location 1500'S, 1500'W, Sec. 5-24-2		County Rio Arriba	State New Mexico
Formation Pictured Cliff		Pool Undesignated	
Casing Diameter 5½	Set At: Feet 3365	Tubing Diameter 1¼	Set At: Feet 3329
Pay Zone: From 3327	To 3354	Total Depth: 3365	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1009	12 = PSIA 1021	Days Shut-In 28	Shut-In Pressure, Tubing, PSIG 1006	12 = PSIA 1018	
Flowing Pressure: P, PSIG 32	12 = PSIA 44		Working Pressure: P _w , PSIG 73	12 = PSIA 85	
Temperature: T, °F 62	n .85		F _{pv} (From Tables) 1.004	Gravity .650	

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

$$Q = 12.365 \times 44 \times .9981 \times .9608 \times 1.004 = 524 \text{ MCF D}$$

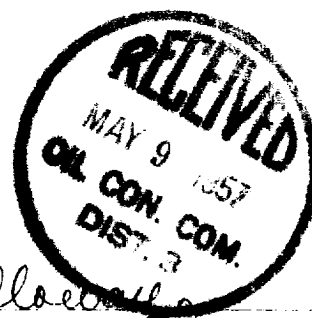
$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{1,042,441}{1,035,216} \right)^n (1.0069)^{.85} \times 524 = 1.00586 \times 524$$

$$A_{of} = 527 \text{ MCF D}$$

TESTED BY K. C. McBride

WITNESSED BY _____



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OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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