

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 22, 1958

Operator El Paso Natural Gas Company		Lease Allison 17 (D)	
Location 1650S, 1650W; 24-32-7		County San Juan	State New Mexico
Formation Dakota		Pool N. Los Pinos Dakota	
Casing: Diameter 9-5/8	Set At: Feet 3613	Tubing: Diameter 2"	Set At: Feet 8006
Pay Zone: From 7968	To 7994	Total Depth: 8121 c/o 8106	Shut-in 9/5/58 X
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, Inches		Choke Constant: C	
Shut-in Pressure, Casing, PSIG 1019 (M)		12 - PSIA 1031	Days Shut-in 14
Flowing Pressure: P, PSIG 98		12 - PSIA 110	Working Pressure: Pw, PSIG Calc. 245
Temperature: T, F 66		h, h 75"	Fpv (From Tables) 1.007
			Gravity .616

Final SIPC (MV) = 1023 PSIG

Packer at 6467
Circ. sleeve 6433CHOKE VOLUME = $Q = C \times P_1 \times F_1 \times F_g \times F_{pv}$

$$Q = 12.365 \times 110 \times .9943 \times .9877 \times 1.007$$

1345

MCF/D

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

$$A_{of} = \left(\frac{7,557,001}{7,496,976} \right)^n \cdot (1.0080)^{.75} \times 1345 = 1.0060 \times 1345$$

Aof 1353 MCF/D

TESTED BY Jesse B. GoodwinWITNESSED BY Don MortensenChecked By S. V. Roberts

Lewis D. Galloway
L. D. Galloway

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