

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 31, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 5-E	
Location 1755'N, 830'E, Sec. 20-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5 1/2	Set At: Feet 3600	Tubing: Diameter 2"	Set At: Feet 3482
Pay Zone: From 3499	To 3536	Total Depth: 3610 - c/o - 3550	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .750		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 998	12 - PSIA 1010	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 998
Flowing Pressure, P, PSIG 249	12 - PSIA 261		Working Pressure, Pw, PSIG 665
Temperature, T, F 56	F .85		Gravity 1.031
			.700

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

$Q = 12.365 \times 261 \times 1.0039 \times .9258 \times 1.031 = 3092$ MCF/D

OPEN FLOW $Aof = Q \left(\frac{P_1^2 - P_w^2}{P_1^2} \right)^n$

$Aof = \left(\frac{1,020,100}{561,771} \right)^{1.8158 \cdot .85} \times 3092 = 1.659 \times 3092$

$Aof = 5130$ MCF/D

TESTED BY K. C. McBride

WITNESSED BY _____



L. D. Galloway
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OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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