

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE May 31, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 3-C	
Location 1090'S, 840'E, Sec. 21-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 3410	Tubing: Diameter 2"	Set At: Feet 3250
Pay Zone: From 3308	To 3344	Total Depth: c/o - 3355	
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 975	- 12 = PSIA 987	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 975
Flowing Pressure: P PSIG 275	- 12 = PSIA 287		Working Pressure: P _w PSIG 432
Temperature: T 59	F		F _{pv} (From Tables) 1.036
	.85		Gravity .700

CHOKE VOLUME : Q = C x P_i x F_v x F_g x F_{pv}

Q = 12.365 x 287 x 1.0010 x .9258 x 1.034 = 3401 MCF/D

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

Aof $\left(\frac{974,169}{777,033} \right)^{.85} \times 3401 = 1.2537 \times 3401 = 1.2119 \times 3401$

Aof 4122 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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