

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 17, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 7-B	
Location 1650'S, 1800'E, Sec. 27-25-4		County Rio Arriba	State New Mexico
Format on Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 3380	Tubing: Diameter 2"	Set At: Feet 3183
Pay Zone: From 3300	To 3336	Total Depth 3390 - c/o 3350	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches		Choke Constant: C	
	.750		12.365
Shut-in Pressure, Casing,	PSIG	12 PSIA	Days Shut-In
	1001	1013	18
Flowing Pressure: P	PSIG	12 PSIA	
	126	138	
Temperature: T	F	In	
	68	.85	
Shut-In Pressure, Tubing	PSIG	12 PSIA	
	1001	1013	
Working Pressure: P _w	PSIG	12 PSIA	
	338	350	
F _{pv} (From Tables)		Gravity	
	1.015	.695	

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

Q 12.365 x 138 x .9924 x .9292 x 1.015 1597 MCF D

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

Ans $\left(\begin{matrix} 1,026,169 \\ 903,669 \end{matrix} \right)^n$ $1.1355^{.85} \times 1597 = 1.114 \times 1597$

Aof 1779 MCF D

TESTED BY K. C. McBride

WITNESSED BY _____



L. D. Galloway

U. S. CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>3</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	/	
Proration Office		
State Land Office		
U. S. G. S.	/	
Transporter		
File	/	✓