

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 17, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla No. 4-B	
Location 1170'N, 925'W, Sec. 34-25-4		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 5 1/2	Set At: Feet 3264	Tubing: Diameter 2"	Set At: Feet 3094
Pay Zone: From 3154	To 3190	Total Depth: c/o 3200	
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 971	- 12 = PSIA 983	Days Shut-In 21	Shut-In Pressure, Tubing PSIG 881	- 12 = PSIA 893	
Flowing Pressure: P PSIG 350	- 12 = PSIA 362		Working Pressure: P _w PSIG 810	- 12 = PSIA 822	
Temperature: T F 71	n .85		F _{pv} (From Tables) 1.040	Gravity .695	

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = 12.365 \times 362 \times .9896 \times .9292 \times 1.040 = 4281 \text{ MCF/D}$$

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

$$Aof = \left(\frac{966,289}{290,605} \right)^n = 3.325^{.85} \times 4281 = 2.780 \times 4281$$

$$Aof = 11,901 \text{ MCF/D}$$

Made solid stream of water first 4 minutes,
intermittent water next 20 minutes, then
heavy to light spray remainder of test.

TESTED BY K. C. McBride

WITNESSED BY _____

L. D. Galloway
L. D. Galloway



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AZTEC DISTRICT OFFICE

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