

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE October 24, 1957

Operator El Paso Natural Gas		Lease Jicarilla No. 4-F	
Location 1650'S, 1650'E, Sec. 21-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 5-1/2	Set At: Feet 3060	Tubing: Diameter 1-1/4	Set At: Feet 2954
Pay Zone: From 2940	To 3002	Total Depth: 3060 - c/o 3011	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.75	Choke Constant: C 12.365		
Shut-In Pressure, Casing, PSIG 1045	- 12 - PSIA 1057	Days Shut-In 14	Shut-In Pressure, Tubing, PSIG 1045
Flowing Pressure: P, PSIG 257	- 12 - PSIA 269		Working Pressure: P _w , PSIG 319
Temperature: T, F 61			F _{pv} (From Tables) 1.032
			Gravity .716

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 269 \times .9990 \times .9161 \times 1.032 = 3141 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,117,249}{1,007,688} \right)^n \quad 1.1087^{.85} \times 3141 = 1.0916 \times 3141$$

$$Aof = 3429 \text{ MCF/D}$$

Well blew spray of liquid entire test period.

TESTED BY R. A. UllrichWITNESSED BY Virgil Stoabs (J. Glenn Turner)


L. D. Galloway

OIL CONSERVATION COMMISSION
AZTEC DISTRICT OFFICE

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