

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE May 29, 1957

Operator El Paso Natural Gas Company		Lease Jicarilla #3-J	
Location 1650S 1090E 19-26-5		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 5 1/2	Set At Feet 3184	Tubing Diameter 1 1/4	Set At Feet 3142
Pay Zone: From 3118	To 3156	Total Depth: 3190 c/o 3165	
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 1003	- 12 = PSIA 1015	Days Shut-In 18	Shut-In Pressure, Tubing PSIG 1006
Flowing Pressure: P PSIG 211	- 12 = PSIA 223	Working Pressure: P _w PSIG 278	- 12 = PSIA 290
Temperature: T °F 68	n 85	F _{pv} (From Tables) 1.022	Gravity .655

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

$$Q = 12.365 \times 223 \times .9924 \times .9571 \times 1.022 = 2677 \text{ MCF/D}$$

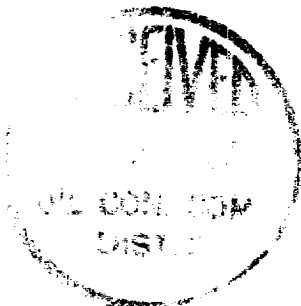
$$\text{OPEN FLOW } Aof = Q \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$Aof = \left(\frac{1036324}{952224} \right)^{.85} = 1.0883^{.85} \times 2677 = 1.0746 \times 2677$$

$$Aof = 2877 \text{ MCF/D}$$

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

cc: Virgil Stoabs (4)



L. D. Galloway
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OIL CONSERVATION COMMISSION

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