

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE **August 30, 1960**

Operator Delhi-Taylor Oil Corp.		Lease Delhi-Ludwick No. 2 (Re-Test)	
Location 1810N, 1750E; 31-30N-10W		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated	
Casing Diameter 5-1/2"	Set At: Feet 7146	Tubing Diameter 2"	Set At: Feet 7000
Pay Zone: From 6831	To 7048	Total Depth: 7146 P/B 7106	Shut In 8/3/60
Stimulation Method Sand Water Frac.		Flow Through Tubing X	

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing, PSIG 2014	12 PSIA 2026	Days Shut-In 7	Shut-In Pressure, Tubing, PSIG 1831
Flowing Pressure: P, PSIG 247	12 PSIA 259	Working Pressure: Pw 926	12 PSIA 938
Temperature: T 84 °F	n Ft .9777	Fpv (From Tables) 1.021	Gravity Fg .9645

CHOKE VOLUME $Q = C \times P_r \times F_r \times F_g \times F_{pv}$

$$Q = 12.365 \times 259 \times .9777 \times .9645 \times 1.021$$

3083

MCF/D

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

$$Aof = \left(\frac{4104676}{3224832} \right)^n$$

$$1.2728^{.75} \times 3083 = 1.1983 \times 3083$$

$$Aof = 3694 \text{ MCF/D}$$

TESTED BY

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WITNESSED BY

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