

EL PASO NATURAL GAS COMPANY OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 25, 1959

Operator El Paso Natural Gas		Lease Vaughn No. 4 (P)	
Location 1306S, 2000E; 29-26-6		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing Diameter 7-5/8	Set At: Feet 3630	Tubing Diameter 1-1/4	Set At: Feet 2621
Pay Zone: From 2592	To 2654	Total Depth 3646 c/o 3590	Shut In: 10/27/59
Stimulation Method Sand Water Frac.		Flow Through Tubing	

Choke Size, Inches .75	Choke Constant 12.365	Shut-In Pressure, Casing (PC) 804	PSIG - 12 - PSIA 816	Shut-In Pressure, Tubing (PC) 804	PSIG - 12 - PSIA 816
Flowing Pressure: P (PC) 181	PSIG - 12 - PSIA 193	Working Pressure: Pw (PC) 189	PSIG - 12 - PSIA 201	Flowing Pressure: P (PC) 181	PSIG - 12 - PSIA 193
Temperature: T 60	F .85	E _{pv} (From Tables) 1.018	Gravity .649	Temperature: T 60	F .85

Initial SIPT (CH) = 895 psig
Final SIPT (CH) = 896 psig

Baker "D" packer at 3348

CHOKE VOLUME $Q = C \times R \times E \times F_g \times F_{pv}$

$$Q = 12.365 \times 193 \times 1.0000 \times .9645 \times 1.018 = 2343 \text{ MCF/D}$$

OPEN FLOW $Aof = Q \left(\frac{P_i - P_{wf}}{P_i - P_o} \right)^n$

$$Aof = \left(\frac{665856}{625455} \right)^n \times 1.0645^{.85} \times 2343 = 1.0545 \times 2343$$

Aof = 2471 MCF/D

TESTED BY **W. D. Dawson**

WITNESSED BY

L. D. Galloway
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OIL CONSERVATION COMMISSION

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