

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **February 10, 1960**

Operator El Paso Natural Gas Products Co.		Lease Frontier B No. 3 (D)	
Location 2310N, 790W; 4-27-11		County San Juan	State New Mexico
Formation Dakota		Pool Undesignated Dek	
Casing: Diameter 7"	Set At: Feet 6742	Tubing: Diameter 2	Set At: Feet 6357
Pay Zone: From 6324	To 6358	Total Depth 6742	Shut In 1/24/60
Stimulation Method Sand Oil Frac.		Flow Through Tubing X	

Choke Size, Inches .75		Choke Constant: C 12.365	
Shut-In Pressure, Casing (G) 1317	PSIG 1329	PSIA 16	Shut-In Pressure, Tubing (D) 1908
Flowing Pressure: P (D Tag.) 201	PSIG 213	PSIA 444	Working Pressure: Pw Calc.
Temperature: 67	F .9933	n .75	Fpv (From Tables) 1.021
		Gravity .669	Fg .9498

Initial SIFT (G) = 1068 psig
Final SIPC (G) = 1344 psig

Baker Model D Packer at 6351CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 213 \times .9933 \times .9498 \times 1.021$$

2537

MCF/D

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

$$Aof = \left(\frac{3686400}{3489264} \right)^n$$

$$1.0564^{.75} \times 2537 = 1.0420 \times 2537$$

$$Aof = 2644 \text{ MCF/D}$$

TESTED BY **W. D. Dawson**WITNESSED BY **John Strojek**

Lewis D. Galloway
L. B. Galloway