

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 Dak	
Casing: Diameter 7"	Set At: Feet 6742	Tubing: Diameter 2	Set At: Feet 6357
Pay Zone: From 6324	To 6538	Total Depth: 6742	Top Perf. at 6354
Stimulation Method Sand Oil Frac.		Shut In 1/24/60	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant 12.365	Shut-In Pressure, Casing (G) 1317	PSIG	12	PSIA	Days Shut-In 16	Shut-In Pressure, Tubing (D) 1908	PSIG	12	PSIA
Flowing Pressure, P (D Tbg.) 201	PSIG	12	PSIA	213	Working Pressure, Pw Calc.	PSIG	12	PSIA	444	
Temperature: T 67 °F	Ft. .9933	.75			Fpv (Fract. Factor) 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

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

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

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

$$A_{of} = 2644 \text{ MCF/D}$$

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

Lewis D. Galloway
L. D. Galloway