

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE October 24, 1962

Operator El Paso Natural Gas Company		Lease San Juan Unit 28-4 No. 28	
Location 1540'N, 1180'E, Sec. 19-28-4		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 7.625	Set At: Feet 4451	Tubing: Diameter 2.375	Set At: Feet 6563
Pay Zone: From 6402	To 6536	Total Depth: 6641	Shut In 10-8-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365		5-1/2" 15.5 liner 4333 - 6633	
Shut-In Pressure, Casing, 1162	PSIG - 12 PSIA 1174	Days Shut-In 16	Shut-In Pressure, Tubing 813	PSIG - 12 PSIA 825	
Flowing Pressure: P 343	PSIG - 12 PSIA 355		Working Pressure: Pw 748	PSIG - 12 PSIA 760	
Temperature: T 67 F	Ft .9933	.75	Fpv (From Tables) 1.035	Gravity .650	Fg .9608

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

$$Q = (12.365)(355)(.9933)(.9608)(1.035)$$

4336 MCF/D

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

$$Aof = \left(\frac{1,378,276}{800,676} \right)^n (1.7213)^{.75} (4336) = (1.5030)(4336)$$

NOTE: After 5 minutes, unloaded large amount of fluid, then slight mist.

Aof **6517** MCF/D

TESTED BY **Don Mortensen**

WITNESSED BY

Checked by **W. D. Dawson**

Lewis D. Galloway
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