

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 1, 1961

Operator El Paso Natural Gas Company		Lease San Juan 27-5 No. 8 (O&H) (MV)	
Location SW/4 Sec. 32-27N-5W (1650'S, 1090'W)		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing, Diameter 4-1/2"	Set At: Feet 5526	Tubing, Diameter 2-3/8" O.D.	Set At: Feet 5439
Pay Zone: From 4930	To 5468	Total Depth: 5526 C/O 5492	Shut In 9-21-61
Stimulation Method Sand/Water Frac.		Flow Through Casing X	

Choke Size, Inches .75		Choke Constant: C 12.365		4-1/2" O.D. Liner from 4857 to 5526. Prod. Pkr. at 4436	
Shut-In Pressure, Casing, 1041 (PC)	PSIG	12	PSIA	Shut-In Pressure, Tubing 990 (MV)	PSIG
Flowing Pressure: P 223	PSIG	12	PSIA	Working Pressure: Pw Calc.	PSIG
Temperature: T 59 F				Fpv (From Tables) 1.024	Gravity .650
	Ft 1.0010		.75		Fg = .9608

Initial SIPT (PC) = 1041 psig

Final SIPC (PC) = 1042 psig

CHOKE VOLUME = Q C x P_i x F_r x F_g x F_{pv}

$$Q = (12.365)(235)(1.0010)(.9608)(1.024)$$

2862

MCF/D

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

$$A_{of} \left(\frac{1,004,004}{784,980} \right)^n = (1.2790)^{.75}(2862) = (1.2025)(2862)$$

Aof 3442 MCF/DTESTED BY James B. Goodwin

WITNESSED BY

Checked by: W. D. Dawson

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