

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE June 7, 1962

Operator El Paso Natural Gas Company		Lease Indian "I" No. 1 (MV)	
Location 980'N, 900'W, Sec. 27-28-3		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 5-1/2	Set At: Feet 6070	Tubing: Diameter 2-1/16"	Set At: Feet 5986
Pay Zone: From 5422	To 6028	Total Depth: 6070	Shut In 5-20-62
Stimulation Method Sand/Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365	Baker "EGJ" Packer at 4381'	
Shut-In Pressure, Casing, (PC) 1011	PSIG + 12 = PSIA 1023	Days Shut-In 18	Shut-In Pressure, Tubing 1219 (MV)
Flowing Pressure: P 49	PSIG + 12 = PSIA 61		PSIG + 12 = PSIA 1231
Temperature: 57 F	1.0029		163
	.75	Fpv (From Tables) 1.004	Gravity .670 Fg = .9463

Initial SIPT (PC) = 7 psig

Final SIPC (PC) = 1015 psig

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

$$Q = (12.365)(61)(1.0029)(.9463)(1.004)$$

719

MCF/D

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

$$\text{Aof } \left(\frac{1,515,361}{1,488,792} \right)^n \quad (1.0178)^{.75}(719) = (1.0133)(719)$$

Aof

729

MCF/D

NOTE: Slight mist of Water.

TESTED BY R. F. Headrick

APPROVED BY

Checked by H. L. Kendrick

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