

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 31, 1963

Operator El Paso Natural Gas Company	Lease San Juan Unit 28-7 No. 45(PC) (OWW)
Location 1750'S, 1050'W, Sec. 27, T-28-N, R-7-W	County Rio Arriba
Formation Pictured Cliffs	State New Mexico
Casing Diameter 7.625	Set At: Feet 2810
Pay Zone: From 2706	To 2740
Stimulation Method Sand Water Frac.	
Tubing Diameter 1.660	Set At: Feet 2723
Total Depth 5100	Shut In 5-14-63
Flow Through Casing X	Flow Through Tubing

Choke Size, inches 0.75	Choke Constant, C 12.365	Baker Model "N" packer set at 2959'
Shut-in Pressure, Casing, PSIG 692(PC)	12 PSIA 704	Days Shut-in 17
Flowing Pressure, P, PSIG 46	12 PSIA 58	Shut-in Pressure, Tubing, PSIG 690(PC)
Temperature 59	1.0010	702
	.85	Working Pressure, Pw, PSIG 17
		59
		Gravity .660
		Sp. Gr. from Tables 1.001
		Sp. Gr. .9535

ISIPT (MV) = 801 psig

FSIPT (MV) = 802 psig

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$$Q = (12.365)(58)(1.0010)(.9535)(1.001)$$

687

MCF/D

OPEN FLOW $Q_{af} = Q \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$

$$Q_{af} = \left(\frac{495,616}{492,135} \right)^n$$

$$(687)(1.0070)^{.85} = (687)(1.0059)$$

NOTE: Workover performed to eliminate communication between producing zones.

Q_{af} 691

MCF/D

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Witnessed by

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