

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 12, 1961

Operator El Paso Natural Gas Company	Lease Jicarilla "F" No. 14
Location 1650'N, 1650'E, Sec. 16-26N-5W	County Rio Arriba State New Mexico
Field Pictured Cliffs	Pool South Blanco PC
Well Diameter 2-7/8" O.D.	Tubing Diameter No Tubing
Set At Feet 3251	Set At Feet ----
Flow Zone From 3128	Total Depth 3260 C/O 3245
Shut-In Pressure Method Sand/Water Frac.	Shut-In 5-31-61
	Flow Through Casing X
	Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant, C 12.365	Tubingless Completion
Shut-In Pressure, Casing, PSIG 1022	12 PSIA	Shut-In Pressure, Tubing PSIG No Tubing
Flowing Pressure, Casing, PSIG 162	12 PSIA	Working Pressure, Pw PSIG Calc. 221
Temperature 57	12 PSIA	Gravity .660
F 1.0029	.850	Fg .9535
		Fpv (From Tables) 1.018

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = (12.365)(174)(1.0029)(.9535)(1.018)$$

2094

MCF/D

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

$$Aof = \left(\frac{1,069,156}{1,020,315} \right)^n \quad (1.0478)^{.85}(2094) = (1.0405)(2094)$$

Aof

2179

MCF/D

Prepared by **Jesse B. Goodwin**

Witnessed by

Checked by: W. D. Dawson



A. J. Dudenhofer
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