

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE **January 5, 1961**

Operator El Paso Natural Gas Company	Lease Huerfano Unit No. 113 (DK)
Location 990'H, 170'W, 33-27N-10W	County San Juan
State Dakota	State New Mexico
Well Diameter 2-7/8"	Set At Feet 6525
Well Depth 6286	Set At Feet 6454
Completion Method Sand/Water Frac.	Tubing Diameter No tubing
	Set At Feet ---
	Total Depth 6548 c/o 6484
	Shut In 12-29-60
	Flow Through Casing X
	Flow Through Tubing X

Choke Size, inches .750	Choke Constant, C 12.365	"Slim Hole" Dual
Shut-In Pressure, Casing (DK) 1999	PSIG - 12 - PSIA 2011	Shut-In Pressure: 2011 (GA) (Csg. 1087)
Flowing Pressure, P 60	PSIG - 12 - PSIA 72	Working Pressure: Pw Calc. 104
Temperature 74	.9868	Eq. From Tables 1.010
	.750	Gravity 0.738
		Eq. .9035

Initial SIPC (GA) = 1087 psig
Final SIPC (GA) = 1090 psig

CHOKE VOLUME $Q = C \times P_1 \times P_2 \times P_3 \times P_4 \times P_5$

$$Q = (12.365)(72)(.9868)(.9035)(1.010)$$

802

MCF D

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

$$Q = C \left(\frac{4,044,121 - 4,033,268}{P_1 P_2} \right)^n$$

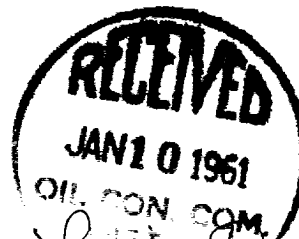
$$(1.0026)^{.75}(802) = (10019)(802)$$

Ans 802 MCF D

Checked by J. E. Goodwin

Approved by _____

Calculated by W. D. Dawson



Lewis D. Galloway
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