

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

dual completion

DATE December 23, 1960

Operator El Paso Natural Gas Company		Lease Huerfano Unit No. 101 (DK)	
Location 1700'N, 1620'W, 19-27N-10W		County San Juan	State New Mexico
Formation Dakota		Basin	
Casing Diameter 7	Set At: Feet 6337	Tubing Diameter 2-3/8	Set At: Feet 6159
Pay Zone: From 6070	To 6182	Total Depth: 6340 c/o 6291	Shut In 12-16-60
Stimulation Method Sand-Oil Frec.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75	Choke Constant: C 12.365	Baker Model "D" Pkr. at 5536	
Shut-In Pressure, Casing, PSIG (GA) 1101	PSIA 1113	Shut-In Pressure, Tubing, PSIG (DK) 1915	PSIA 1927
Flowing Pressure: P, PSIG 562	PSIA 574	Working Pressure: Pw, PSIG (Calc) 1201	PSIA 1201
Temperature 84	F .9777	Fpv (From Tables) 1.066	Gravity 0.724 Fg = .9129

Initial SIPT (GA) = 1121 psig

Final SIPC (GA) = 1121 psig

Q = C x P_c² x F_v x F_g x F_p

$$Q = (12.365)(574)(.9777)(.9129)(1.066)$$

6753 MCF D

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

$$\text{Aof} = \left(\frac{3,713,329}{2,270,928} \right)^n \quad (1.6351)^{.78}(6753) = (1.4460)(6753)$$

Aof 9765 MCF D

W.D.D., R.L.N., F.M.C.

WITNESSED BY

Checked by H. L. Kendrick

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