

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 19, 1967

Operator El Paso Natural Gas Company		Lease San Juan 28-6 Unit No. 136	
Location T-013, Sec. 11, R-14-N, R-6-W		County Rio Arriba	State New Mexico
Formation Bakken		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 8121	Tubing: Diameter 2.375	Set At: Feet 7770
Pay Zone: From 770	To 8036	Total Depth: 8121	Shut In 7-2-67
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2713	+ 12 = PSIA 2725	Days Shut-In 10	Shut-In Pressure, Tubing PSIG 2723	+ 12 = PSIA 2735	
Flowing Pressure: P PSIG 241	+ 12 = PSIA 253		Working Pressure: Pw PSIG 925	+ 12 = PSIA 937	
Temperature: T = 76 °F	n = .75		Fpv (From Tables) 1.018	Gravity .600	Fg = 1.000

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = (12.365)(253)(.9850)(1.000)(1.018) = \underline{3137} \text{ MCF/D}$$

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

$$Aof = \left(\frac{7480225}{6602256} \right)^n = (3137)(1.1329)^{.75} = (3137)(1.0981)$$

NOTE: The well produced a medium fog of water and distillate throughout test.

$$Aof = \underline{3445} \text{ MCF/D}$$

TESTED BY Jesse B. GoodwinCALCULATED
WITNESSED BY A. J. LoleitCHECKED BY T. B. Grant

H. L. Kendrick
H. L. Kendrick by T86

