

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATADATE December 2, 1968

Operator El Paso Natural Gas Company		Lease Filan No. 6	
Location 1850'N, 1650'E, Sec. 5, T-27-N, R-8-W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6820	Tubing: Diameter 2.375	Set At: Feet 6588
Pay Zone: From 6628	To 6790	Total Depth: 6820	Shut In 11-24-68
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 1835	+ 12 = PSIA 1847	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 1905	+ 12 = PSIA 1917	
Flowing Pressure: P PSIG 158	+ 12 = PSIA 170		Working Pressure: P <sub>w</sub> PSIG 702	+ 12 = PSIA 714	
Temperature: T = 69 °F	n = .75		F <sub>pv</sub> (From Tables) 1.017	Gravity 0.686	F <sub>g</sub> = .9359

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_t \times F_g \times F_{pv}$$

$$Q = (12.365)(170)(.9915)(.9359)(1.017) = \underline{1984} \text{ MCF/D}$$

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

$$Aof = \left( \frac{3674889}{3165093} \right)^n = (1984)(1.1610)^{.75} = (1984)(1.1184)$$

$$Aof = \underline{2219} \text{ MCF/D}$$

Note: This well unloaded a heavy fog of distillate and water for the first three minutes of test and then produced only a light fog of distillate for the remainder of the three hour test.

TESTED BY D. NortonCalculated  
WITNESSED BY G. A. Lippman

RECEIVED  
DEC 11 1968  
OIL CON. CO. M.  
*H. L. Kendrick*  
H. L. Kendrick