

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE January 28, 1958

Operator El Paso Natural Gas		Lease Allison Unit No. 12 (D)	
Location 1825'N, 1550'E, Sec. 14-32-7		County Rio Arriba	State New Mexico
Formation Mesa Verde DAKOTA		Pool Blanco NORTH LAS PINOS - DAKOTA	
Casing: Diameter 7-5/8	Set At: Feet 6030	Tubing: Diameter 2"	Set At: Feet 8116
Pay Zone: From 8082	To 8166	Total Depth: 8320	
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 1454 MV	- 12 = PSIA 1466	Days Shut-In 12	Shut-In Pressure, Tubing PSIG 2645 - Dak.	- 12 = PSIA 2657	
Flowing Pressure: P PSIG 701	- 12 = PSIA 713		Working Pressure: Pw PSIG Calculated	- 12 = PSIA 1660	
Temperature: T °F 71	n = .75		Fpv (From Tables) 1.064	Gravity .620	

Final SIPC (MV) - 1471 psig. Packer at 5945. 2" at 8116CHOKE VOLUME = $Q = C \times P_r \times F_t \times F_g \times F_{pv}$

$$Q = 12.365 \times 713 \times .9896 \times .9837 \times 1.064 = \underline{9134} \text{ MCF/D}$$

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

$$Aof = \left(\frac{7,059,649}{4,304,049} \right)^n = 1.6402^{.75} \times 9134 = 1.4490 \times 9134$$

$$Aof = \underline{13,235} \text{ MCF/D}$$

TESTED BY R. R. Davis

WITNESSED BY _____

cc: **E. S. Oberly (6)**

L. D. Galloway
L. D. Galloway

AZTEC DISTRICT OFFICE

DISTRIBUTION

111

1. *Phragmites australis* (Cav.) Trin. ex Steud.

Source: *U.S. Census Bureau, Current Population Reports*.

1545

File

File