

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE May 28, 1974

Operator El Paso Natural Gas Company		Lease Jicarilla 67 Unit #11 (CH)	
Location 1810/S, 1180/W, Sec. 19, T25N, R5W		County Rio Arriba	State New Mexico
Formation Chacra <i>et</i>		Pool Otero	
Casing: Diameter 2.875	Set At: Feet 3659'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 3474'	To 3590'	Total Depth: PBD 3659' 3648'	Shut In 5-9-74
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 632	+ 12 = PSIA 644	Days Shut-In 19	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --
Flowing Pressure: P PSIG 16	+ 12 = PSIA 28		Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 36
Temperature: T = 64 °F      F <sub>t</sub> = .9962	n = .75		F <sub>pv</sub> (From Tables) 1.0040	Gravity .650      F <sub>g</sub> = .9608

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

$$Q = 12.365(28)(.9962)(.9608)(1.0040) = \underline{\quad 333 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left( \frac{414736}{413440} \right)^n = 333(1.0031)^{.75} = 333(1.0024)$$

$$Aof = \underline{\quad 333 \quad} \text{ MCF/D}$$

Note: The well blew a steady stream of water and distillate throughout the test.

TESTED BY C. Rhames

WITNESSED BY \_\_\_\_\_



Loren W. Fothergill  
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Well Test Engineer