

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE June 7, 1974

Operator El Paso Natural Gas Company		Lease Jicarilla 67 Unit #11 (PC)	
Location 1810/S, 1180/W, Sec. 19, T25N, R5W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs <i>Est</i>		Pool Unders <i>La Blanca</i>	
Casing: Diameter 2.875	Set At: Feet 2701'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2618'	To 2630'	Total Depth: PBTD 3659' 2690'	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 802	+ 12 = PSIA 814	Days Shut-In 22	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 102	+ 12 = PSIA 114		Working Pressure: P _w PSIG Calculated	+ 12 = PSIA 140	
Temperature: T = 63 °F	n = .85		F _{pv} (From Tables) 1.0120	Gravity .695	F _g = .9292

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

$$Q = 12.365(114)(.9971)(.9292)(1.0120) = \underline{\quad 1322 \quad} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{662596}{642996} \right)^n = 1322(1.0305)^{.85} = 1322(1.0259)$$

$$Aof = \underline{\quad 1356 \quad} \text{ MCF/D}$$

Note: The well blew a light fog of water.

TESTED BY Fothergill

WITNESSED BY _____

Loren W Fothergill
Loren W. Fothergill
Well Test Engineer

