

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 20, 1975

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #264	
Location 1840'S, 1705'W, Sec. 1, T24N, R7W		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Ballard	
Casing: Diameter 2.875	Set At: Feet 2344'	Tubing: Diameter No Tubing	Set At: Feet --
Pay Zone: From 2242'	To 2264	Total Depth: PBD 2344' 2333'	Shut In 8-12-75
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 627	+ 12 = PSIA 639	Days Shut-In 8	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA --	
Flowing Pressure: P PSIG 17	+ 12 = PSIA 29		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 35	
Temperature: T = 60 °F	n = 0.85		Fpv (From Tables) 1.004	Gravity .700	Fg = .9258
Ft = 1.000					

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

$$Q = (12.365) (29) (1.000) (.9258) (1.004)$$

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

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

$$Aof = Q \left(\frac{408321}{407096} \right)^n = (333) (1.0030)^{.85} = (333) (1.0025)$$

$$Aof = \underline{334} \text{ MCF/D}$$

Note: Well blew light fog of water throughout test. 48.86 MCF of gas was blown to the atmosphere during the test.

TESTED BY Norton

WITNESSED BY _____

[Signature]
Well Test Engineer

