

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE June 16, 1972

Operator El Paso Natural Gas Company		Lease Nye No. 7	
Location 925/S, 1650/E, Sec. 8, 29N 10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2297	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2246	To 2254	Total Depth: 2297	Shut In 6-6-72
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant: C 12.365		Tubingless Completion		
Shut-In Pressure, Casing, PSIG 464	+ 12 = PSIA 476	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 35	+ 12 = PSIA 47		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 56	
Temperature: T = 72 °F	Ft = .9887	n = .85	Fpv (From Tables) 1.003	Gravity .635	Fg = .9721

CHOKE VOLUME = Q = C x P<sub>f</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>pv</sub>

Q = (12.365)(47)(.9887)(.9721)(1.003) = 560 MCF/D

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

NOTE: Light fog of water and distillate in approximately four minutes.

Aof =  $\left( \frac{226576}{223440} \right)^n = (560)(1.0140)^{.85} = (560)(1.0119)$

Aof = 567 MCF/D

TESTED BY Don Norton

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



*L. E. Mabe, Jr.*  
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