

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 16, 1972

Operator El Paso Natural Gas Company		Lease Nye No. 6	
Location 900/S, 890/W Sec. 8-29N-10W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec	
Casing: Diameter 2.875	Set At: Feet 2181	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2066	To 2112	Total Depth: 2181	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 394	+ 12 = PSIA 406	Days Shut-In 10	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 136	+ 12 = PSIA 148		Working Pressure: Pw PSIG Calculated	+ 12 = PSIA 176	
Temperature: T = 67 °F	Ft = .9933	n = .85	Fpv (From Tables) 1.013	Gravity .635	Fg = .9721

CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

Q = (12.365)(148)(.9933)(.9721)(1.013) = 1790 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 5 minutes.

Aof = $\left(\frac{164836}{133860} \right)^n = (1790)(1.2314)^{.85} = (1790)(1.1936)$

Aof = 2136 MCF/D

TESTED BY Don Norton

WITNESSED BY _____



L. E. Mabe, Jr.
L. E. Mabe, Jr.