

OPEN FLOW TEST DATA

9/12

DATE 8/25/72

Operator El Paso Natural Gas Company		Lease Day #7	
Location 1450/1, 1600/1, Sec. 17-T20N-R8W		County San Juan	State New Mexico
Formation Pictured Cliffs <i>Est</i>		Pool <i>Blanco</i> Undesignated	
Casing: Diameter 2.875	Set At: Feet 3123	Tubing: Diameter No tubing	Set At: Feet
Pay Zone: From 3001	To 3043	Total Depth: 3123	Shut In 8/16/70
Stimulation Method STW		Flow Through Casing N/A	Flow Through Tubing

Choke Size, Inches 1.750		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 969	+ 12 = PSIA 981	Days Shut-In 9	Shut-In Pressure, Tubing PSIG No tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 303	+ 12 = PSIA 315	Working Pressure: Pw PSIG Calculated	+ 12 = PSIA		399
Temperature: T = 67 °F	Ft = .9933	n = .85	Fpv (From Tables) 1.023	Gravity .635	Fg = .9721

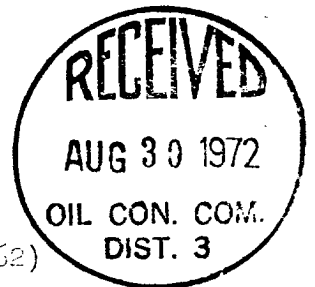
CHOKE VOLUME = Q = C x P_i x F_i x F_g x F_{pv}

Q = (12.365)(315)(.9933)(.9721)(1.023) = 3866 MCF/D

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

Aof = $\left(\frac{962.361}{303.160} \right)^n = (3866)(1.1982)^{.85} = (3866)(1.1662)$

Aof = 4509 MCF/D



NOTE: Well produced dry gas through out test.

TESTED BY C. Whines

WITNESSED BY

J. A. Jones
J. A. Jones
Well Test Engineer