

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 3, 1973

Operator El Paso Natural Gas Company		Lease Mudge No. 36	
Location 800'S, 1850'W, Section 21, T51N, R11W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Aztec Ext.	
Casing: Diameter 2.875	Set At: Feet 2605	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2464	To 2582	Total Depth: 2605	Shut In 6-19-73
Stimulation Method SWF		Flow Through Casing XX	Flow Through Tubing

Choke Size, inches .750	Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 664	+ 12 = PSIA 676	Days Shut-In 13	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA
Flowing Pressure: P PSIG 60	+ 12 = PSIA 72		Working Pressure: P _w Calculated	+ 12 = PSIA 88
Temperature: T = 60 °F	n = .85		F _{pv} (From Tables) 1.007	Gravity .635 F _g = .9721
	F _t = 1.000			

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

Q = (12.365) (72) (1.000) (.9721) (1.007) = 871 MCF/D

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

NOTE: Well produced dry gas.

Aof = Q $\left(\frac{456976}{449232} \right)^n = 871 (1.0172)^{.85} = 871 (1.0146)$

Aof = 884 MCF/D

TESTED BY Carl Rhames

WITNESSED BY _____



William D. Welch
William D. Welch, Well Test Engineer