

EL PASO NATURAL GAS COMPANY  
OPEN FLOW TEST DATA

DATE April 27, 1973

Operator El Paso Natural Gas Company		Lease Storey No. 9	
Location 800'N, 370'W, Section 34, T28N, R8W		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 2.875	Set At: Feet 2387	Tubing: Diameter No Tubing	Set At: Feet
Pay Zone: From 2242	To 2294	Total Depth: 2387	Shut In 4-12-73
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 1017	+ 12 = PSIA 1029	Days Shut-In 15	Shut-In Pressure, Tubing PSIG No Tubing	+ 12 = PSIA	
Flowing Pressure: P PSIG 69	+ 12 = PSIA 81	Working Pressure: P <sub>w</sub> PSIG Calculated	+ 12 = PSIA 97		
Temperature: T = 62 °F	n = F <sub>t</sub> = .9981	F <sub>p</sub> (From Tables) 1.003	Gravity .645	F <sub>g</sub> = .9645	

CHOKE VOLUME = Q = C x P<sub>t</sub> x F<sub>t</sub> x F<sub>g</sub> x F<sub>p</sub>v

Q = 12.365 x 81 x .9981 x .9645 x 1.003 = 967 MCF/D

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

NOTE: Well produced dry gas throughout test

Aof = Q  $\left( \frac{1058841}{1049432} \right)^n = (967)(1.0090)^{.85} = (967)(1.0076)$

Aof = 974 MCF/D

TESTED BY Don Norton

WITNESSED BY

RECEIVED  
MAY 2 1973  
OIL CON. COM.  
DIST. 3

William D. Welch

William D. Welch, Well Test Engineer