

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 26, 1973

Operator El Paso Natural Gas Company		Lease Canyon Largo Unit #240	
Location 1800/S, 800/W, Sec. 12, T25N, R6W		County Rio Arriba	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 7479'	Tubing: Diameter 2.375	Set At: Feet 7295'
Pay Zone: From 7154	To 7312	Total Depth: 7479	Shut In 11-9-73
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches .750	Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 2460	+ 12 = PSIA 2472	Days Shut-In 17	Shut-In Pressure, Tubing PSIG 710	+ 12 = PSIA 722
Flowing Pressure: P PSIG 114	+ 12 = PSIA 126		Working Pressure: P _w PSIG 588	+ 12 = PSIA 600
Temperature: T = 64 °F	n = .75		F _{pv} (From Tables) 1.013	Gravity .690 F _g = .9325

CHOKE VOLUME = Q = C x P_f x F_f x F_g x F_{pv}

Q = (12.365) (126) (.9962) (.9325) (1.013) = 1466 MCF/D

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

Aof = Q $\left(\frac{6110784}{5750784} \right)^n = 1466(1.0626)^{.75} = 1466(1.0466)$

Aof = 1534 MCF/D

Note: Unloaded and then blew a medium mist of oil throughout the test.



TESTED BY Rhames

WITNESSED BY _____

William E Welch

William D. Welch
 Well Test Engineer