FORM 21-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE July 8, 1975

Operator: El Paso Natural Gas Company		Lease: Nye #14 (Ft)	
Location: 1650/S, 1560/E, Sec 8, T 29 N, R 10 W		County: San Juan	State: New Mexico
Formation: Fruitland		Pool: Undes.	
Casing: Diameter: 2.875	Set At: Feet: 2255'	Tubing: Diameter: No tubing	Set At: Feet: ----
Pay Zone: From: 2007	To: 2012	Total Depth: 2255 PBTD 2245	Shut In: 5-27-75
Stimulation Method: Sand Water Frac		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG: 685	+ 12 = PSIA: 697	Days Shut-In: 42	Shut-In Pressure, Tubing PSIG: No tubing	+ 12 = PSIA: ----	
Flowing Pressure: P PSIG: 108	+ 12 = PSIA: 120		Working Pressure: P_w PSIG: Calculated	+ 12 = PSIA: 142	
Temperature: T= 63 °F Ft= .9971	n = .85		Fpv (From Tables): 1.010	Gravity: .650 Fg = .9608	

CHOKE VOLUME = $Q = C \times P_t \times F_t \times F_g \times F_{pv}$

$Q = (12.365)(120)(.9971)(.9608)(1.010) = 1436$ MCF/D

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

$Aof = Q \left(\frac{485809}{465627} \right)^n = 1436\ (1.043)^{.85} = 1436\ (1.037)$

Aof = 1489 MCF/D

Note: This well produced a light mist of water throughout test. During the test 202 MCF of gas was vented to atmosphere.

TESTED BY J. Goodwin

WITNESSED BY _____

Well Test Engineer