FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

RE TEST

DATE May 3, 1979

Operator: El Paso Natural Gas Company		Lease: Riddle B #1-A (PC)	
Location: SE 27-30-10		County: San Juan	State: New Mexico
Formation: Pictured Cliffs		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 5302'	Tubing: Diameter: 1 1/4	Set At: Feet: 2695'
Pay Zone: From: 2590'	To: 2692'	Total Depth: 5302'	Shut In: 4-18-79
Stimulation Method: Sandwater Frac		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 835	+ 12 = PSIA: 847	Days Shut-In: 15	Shut-In Pressure, Tubing PSIG: 835	+ 12 = PSIA: 847	
Flowing Pressure: P PSIG: 143	+ 12 = PSIA: 155		Working Pressure: P_w PSIG: 149	+ 12 = PSIA: 161	
Temperature: T= 63 °F	Ft= .9971	n = .85	Fpv (From Tables): 1.015	Gravity: .670	Fg = .9463

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

$Q = 12.365(155)(.9971)(.9463)(1.015) = 1836$ MCF/D

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

$Aof = Q \left(\frac{717409}{691488} \right)^n = (1.0375)^{.85} = (1836) = (1.0318)(1836)$

Aof = 1894 MCF/D

Note: Well blew dry gas throughout test and vented 208 MCF to the atmosphere.

TESTED BY J. Golding

WITNESSED BY

C. R. Wagner

Well Test Engineer

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