FORM 33-75 (12-74)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE April 3, 1978

Operator: El Paso Natural Gas Company		Lease: Jones A #1-A	
Location: SE 10-28-08		County: San Juan	State: New Mexico
Formation: Pictured Cliffs		Pool: So. Blanco PC Ext.	
Casing: Diameter: 4 1/2	Set At: Feet: 5123'	Tubing: Diameter: 1 1/4	Set At: Feet: 2571'
Pay Zone: From: 2450	To: 2568	Total Depth: 5123	Shut In: 3-9-78
Stimulation Method: Sandwater Frac		Flow Through Casing: XXX	Flow Through Tubing:

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 655	+ 12 = PSIA: 667	Days Shut-In: 25	Shut-In Pressure, Tubing PSIG: 655	+ 12 = PSIA: 667	
Flowing Pressure: P PSIG: 5	+ 12 = PSIA: 17		Working Pressure: P_w PSIG: 56	+ 12 = PSIA: 68	
Temperature: T= 62 °F	Ft=.9981	n = .85	Fpv (From Tables): 1.004	Gravity: .670	Fg = .9463

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

$Q = 12.365(17)(.9981)(.9463)(1.004) =$ 199 MCF/D

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

$Aof = Q\left(\frac{444889}{440265}\right)^n = (1.0105)^{.85}(199) = (1.0089)(199)$

Aof = 201 MCF/D

Note: Well blew dry gas throughout test. Well blew 36 MCF to the atmosphere during test.

APR 6 1978
OIL CON. COM.
DIST. 3

TESTED BY N. Waggoner

WITNESSED BY _____

C. R. Wagner
Well Test Engineer