EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE March 21, 1978

Operator: El Paso Natural Gas Company		Lease: Jones A #1-A	
Location: SE 10-28-08		County: San Juan	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 4 1/2	Set At: Feet: 5123'	Tubing: Diameter: 2 3/8	Set At: Feet: 5046'
Pay Zone: From: 4083	To: 5073	Total Depth: 5123'	Shut In: 3-9-78
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XXX

Choke Size, Inches: .750		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: --	+ 12 = PSIA: --	Days Shut-In: 12	Shut-In Pressure, Tubing PSIG: 849	+ 12 = PSIA: 861	
Flowing Pressure: P PSIG: 305	+ 12 = PSIA: 317		Working Pressure: P_w PSIG: Calc.	+ 12 = PSIA: 613	
Temperature: T= 71 °F	Ft= .9896	n = .75	Fpv (From Tables): 1.029	Gravity: .650	Fg= .9608

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

$Q = 12.365(317)(.9896)(.9608)(1.029) = 3835$ MCF/D

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

$Aof = Q\left(\frac{741321}{365552}\right)^n = (3835)(2.0279)^{.75} = (1.6994)(3835)$

Note: Well made light fog first 30 min., then blew dry gas. Well vented 378 MCF to the atmosphere during test.

Aof = 6517 MCF/D

TESTED BY N. Waggoner

WITNESSED BY _____

C. R. Wagner

Well Test Engineer