FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE July 18, 1978

Operator: El Paso Natural Gas Company		Lease: Neil #9-A (PC)	
Location: NW 4-31-11		County: San Juan	State: New Mexico
Formation: Pictured Cliffs		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 5589'	Tubing: Diameter: 1 1/4	Set At: Feet: 2987'
Pay Zone: From: 2894	To: 2966'	Total Depth: 5589'	Shut In: 7-2-78
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: 898	+ 12 = PSIA: 910	Days Shut-In: 16	Shut-In Pressure, Tubing PSIG: 904	+ 12 = PSIA: 916	
Flowing Pressure: P PSIG: 383	+ 12 = PSIA: 395		Working Pressure: P_w PSIG: 402	+ 12 = PSIA: 414	
Temperature: T= 67 °F	Ft= .9933	n = .85	Fpv (From Tables): 1.041	Gravity: .670	Fg = .9463

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

$Q = 12.365(395)(.9933)(.9463)(1.041) = 4779$ MCF/D

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

$Aof = Q \left(\frac{839056}{667660} \right)^n = (1.2567)^{.85} = (4779) = (1.2144)(4779)$

Aof = 5804 MCF/D

Note: Well blew dry gas throughout test. Well vented 487 MCF to the atmosphere during the test.

RECEIVED
JUL 24 1978
OIL CON. COM.
DIST. 3

TESTED BY D. Wright

WITNESSED BY _____

C. R. Wagner

Well Test Engineer