FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE January 2, 1975

Operator: El Paso Natural Gas Company		Lease: San Juan 28-6 Unit #198	
Location: 1510/N, 1050/W, Sec. 24, T27N, R6W		County: Rio Arriba	State: New Mexico
Formation: Pictured Cliffs		Pool: So. Blanco	
Casing: Diameter: 2.875	Set At: Feet: 3435'	Tubing: Diameter: No Tubing	Set At: Feet: --
Pay Zone: From: 3314'	To: 3356'	Total Depth: 3435' PBTD 3425'	Shut In: 12-10-74
Stimulation Method: Sandwater Frac		Flow Through Casing: XX	Flow Through Tubing:

Choke Size, Inches: .750	Choke Constant: C: 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG: 518	+ 12 = PSIA: 530	Days Shut-In: 23	Shut-In Pressure, Tubing PSIG: No Tubing	+ 12 = PSIA: --
Flowing Pressure: P PSIG: 28	+ 12 = PSIA: 40		Working Pressure: P_w PSIG: Calculated	+ 12 = PSIA: 51
Temperature: T= 48 °F Ft=1.0117	n = .85		Fpv (From Tables): 1.003	Gravity: .625 Fg=0.9798

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

$Q = 12.365(40)(1.0117)(0.9798)(1.003) = 492$ MCF/D

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

$Aof = Q\left(\frac{280900}{278299}\right)^n = 492(1.0093)^{.85} = 492(1.0079)$

Aof = 496 MCF/D

Note: The well produced a dry gas flow.

TESTED BY F. Johnson

WITNESSED BY _____

Loren W Fothergill

Well Test Engineer