FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE __March 29, 1979__

Operator		Lease		
El Paso Natural Gas Company		Riddle B #1-A (MV)		
Location SE 27-30-10		**County** San Juan		**State** New Mexico
Formation Mesa Verde		**Pool** Blanco		
Casing: Diameter 4.500	**Set At: Feet** 5302'	**Tubing: Diameter** 2 3/8		**Set At: Feet** 5249'
Pay Zone: From 4148'	**To** 4788'	**Total Depth:** 5302'		**Shut In** 3-22-79
Stimulation Method Sandwater Frac		**Flow Through Casing**		**Flow Through Tubing** XX

Choke Size, Inches 0.750	Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG --	**+ 12 = PSIA** --	**Days Shut-In** 7	**Shut-In Pressure, Tubing** PSIG 608	**+ 12 = PSIA** 620
Flowing Pressure: P PSIG 251	**+ 12 = PSIA** 263		**Working Pressure: Pw** PSIG Calculate	**+ 12 = PSIA** 512
Temperature: T= 72 °F Ft=0.9887	**n =** .75		**Fpv (From Tables)** 1.022	**Gravity** 0.670 Fg = 0.9463

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

$$Q = (12.365)(263)(0.9887)(0.9463)(1.022) = \underline{\quad 3110 \quad} \text{ MCF/D}$$

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

$$A_{of} = Q \left(\frac{384400}{122256} \right)^n = (3110)(3.1442)^{.75} = (3110)(2.3612)$$

$$A_{of} = \underline{\quad 9779 \quad} \text{ MCF/D}$$

Note: Well blew light fog of water throughout test. Well vented 317 MCF of gas to the atmosphere.

TESTED BY ___Ron Headrick___

WITNESSED BY_____

C.R. Wagner
Well Test Engineer