FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE Aug. 13, 1979

Operator: El Paso Natural Gas Company		Lease: Moore #5A (MV)	
Location: NW/4 Sec. 24, T-32-N, R-12-W		County: San Juan	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 5738	Tubing: Diameter: 2.375	Set At: Feet: 5664
Pay Zone: From: 5105	To: 5692	Total Depth: 5738	Shut In: 8-6-79
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: XX

Choke Size, Inches: 2.750" Plate, 4" M.R.	Choke Constant: C: 41.10		Tested Through a 3/4" Variable Choke
Shut-In Pressure, Casing, PSIG: -----	+ 12 = PSIA:	Days Shut-In:	Shut-In Pressure, Tubing PSIG: 772 / + 12 = PSIA: 784
Flowing Pressure: P PSIG: 288 W.H.;134 M.R.	+ 12 = PSIA: 300 W.H.;146M.R.		Working Pressure: P_w PSIG: Calculate / + 12 = PSIA: 661
Temperature: T= 50 °F	Ft=1.010	n = .75	Fpv (From Tables): 1.016 / Gravity: 0.685 Fg=1.208

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

Q = Calculated from Orifice meter readings = 4369 MCF/D

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

$$Aof = \left(\frac{614656}{177735} \right)^n = (4369)(3.4583)^{.75} = (4369)(2.5360)$$

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DIST. 3

Aof = 11080 MCF/D

NOTE: The Well Produced No Fluid During The Test and It Produced 565 MCF of Gas

TESTED BY Carl Rhames

WITNESSED BY _____

H. E. McAnally

Well Test Engineer