FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE November 27, 1974

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit No. 255	
Location: 1460/N, 800/W, Sec. 31, T-27-N, R-9-W		County: San Juan	State: New Mexico
Formation: Gallup		Pool: Angel Peak Ext.	
Casing: Diameter: 4.500	Set At: Feet: 6106'	Tubing: Diameter: 2.375	Set At: Feet: 6028'
Pay Zone: From: 5784'	To: 6054'	Total Depth: 6106' PBTD 6090'	Shut In: 11-20-74
Stimulation Method: Sand Water Frac		Flow Through Casing	Flow Through Tubing: XX

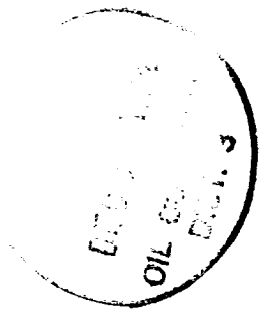
Meter Run Size, Inches: 4" MR	Orifice: 2.500	Orifice Constant: C: 32.64		Well Tested Thru a 3/4" Variable Choke	
Shut-In Pressure, Casing, PSIG: 730	+ 12 = PSIA: 742	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 647	+ 12 = PSIA: 659	
Flowing Pressure: P PSIG: MR 3	WH 20	+ 12 = PSIA: MR 15	WH 32	Working Pressure: P_w PSIG: 287	+ 12 = PSIA: 299
Temperature: T= 60 °F	Ft=1.000	n = .75		Fpv (From Tables): 1.004	Gravity: .720 Fg = 1.179

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

Q = Calculated from orifice meter readings. = 150 MCF/D

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

$$Aof = \left(\frac{550564}{461163} \right)^n = 150(1.1939)^{.75} = 150(1.1421)$$



Aof = 171 MCF/D

Note: The well produced 15.11 bbls of 34.7 API gravity during the test.

TESTED BY Rhames and Johnson

WITNESSED BY _____

Loren W. Fothergill

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Well Test Engineer