FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

CORRECTED COPY

DATE September 19, 1975

Operator: El Paso Natural Gas Company			Lease: Howell J No. 4-A	
Location: 860 N, 1525 W, Section 3, T-30N, R-8W			County: San Juan	State: New Mexico
Formation: Mesa Verde			Pool: Blanco	
Casing: Diameter: 4.500	Set At: Feet: 5698		Tubing: Diameter: 2.375	Set At: Feet: 5648
Pay Zone: From: 4904	To: 5669		Total Depth: 5698 PBTD 5681	Shut In: 8/31/75
Stimulation Method: SWF			Flow Through Casing	Flow Through Tubing: XX

Plate Size, Inches: 2.500 4" M.R.	Choke Constant: C: 32.64		Tested Thru 3/4" Variable Choke	
Shut-In Pressure, Casing, PSIG: 629	+ 12 = PSIA: 641	Days Shut-In: 19	Shut-In Pressure, Tubing PSIG: 553	+ 12 = PSIA: 565
Flowing Pressure: P PSIG: WH 163 MR. 51	+ 12 = PSIA: WH 175 MR. 63		Working Pressure: Pw PSIG: 558	+ 12 = PSIA: 570
Temperature: T= 47 °F Ft= 1.013	n = .75		Fpv (From Tables): 1.010	Gravity: .643 Fg = 1.247

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = Calculated from orifice meter readings = 2145 MCF/D

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

$$\text{Aof} = Q \left(\frac{410881}{85981} \right)^n = 2145\ (4.779)\ .75 = 2145\ (3.232)$$

Aof = 6933 MCF/D

TESTED BY Johnson

WITNESSED BY Wagner

RECEIVED
SEP 23 1975
OIL CON. COM.
DIST. 3

Note: This well produced 4.14 Bbls. of water and .69 Bbls. 17° API gravity oil. During the test 261.9 MCF of gas was vented to atmosphere.

Jerry W Brink