FORM 23-75P (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 16, 1964

Operator: El Paso Natural Gas Company		Lease: Allison Unit No. 26 (DK)	
Location: 1650'S, 825'E, Sec. 9, T-32-N, R-7-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.000	Set At: Feet: 8321	Tubing: Diameter: 1900	Set At: Feet: 8111
Pay Zone: From: 8074	To: 8270	Total Depth: 8340	Shut In: 8-28-64
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .75		Choke Constant: C: 12.365		Baker Model "N" Packer set at 5909 ft.	
Shut-In Pressure, Casing, PSIG: (MV) 1003	+ 12 = PSIA: 1015	Days Shut-In: 19	Shut-In Pressure, Tubing PSIG: (DK) 2694	+ 12 = PSIA: 2706	
Flowing Pressure: P PSIG: 98	+ 12 = PSIA: 110		Working Pressure: Pw PSIG: Calc.	+ 12 = PSIA: 398	
Temperature: T= 69 °F Ft= .9915	n = .75		Fpv (From Tables): 1.008	Gravity: .650 Fg = .9608	

ISIPT (MV) 1003 psig
FSIPC (MV) 1007 psig

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

$Q = (12.365)\ (110)\ (.9915)\ (.9608)\ (1.008) =$ 1306 MCF/D

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

$$\text{Aof} = \left(\frac{7,322,436}{7,164,032} \right)^n = (1.0221)^{.75}\ (1306) = (1.0165)\ (1306)$$

Aof = 1328 MCF/D

NOTE: Blew heavy fog of water entire test.

RECEIVED
SEP 1 1964
OIL CON. COM.
DIST. 3

TESTED BY J. B. Goodwin

CALCULATED WITNESSED BY T. B. Grant

CHECKED BY W. D. Dawson

Lewis D. Galloway

Lewis D. Galloway