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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE December 4, 1964

Operator: [illegible] Blanco Processing Station		Lease: Navajo No. 2-23(NM)	
Location: [illegible], Sec. 23, T-27-N, R-9-W		County: San Juan	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: O.D. / Wt.	Set At: Feet: 6363	Tubing: O.D. / Wt.: 2.900	Set At: Feet: 4328
Pay Zone: From: 4328	To: 4411	Total Depth: 6363	Shut In: 11-27-64
Stimulation Method: Sand Water Frac.		Flow Through Casing: X	Flow Through Tubing:

Choke Size, Inches: 0.75		Choke Constant: C: 12.365		Packer set at 6361'	
Shut-in Pressure, Casing, PSIG: 1645 (MV)	+ 12 = PSIA: 1657	Days Shut-in: 7	Shut-in Pressure, Tubing PSIG: 2042 (DK)		+ 12 = PSIA: 2054
Flowing Pressure: P PSIG: 291	+ 12 = PSIA: 303		Working Pressure: Pw PSIG: 392		+ 12 = PSIA: 404
Temperature: T= 74 °F	Ft=.9868	n = .75	Fpv (From Tables): 1.033		Gravity: .700 Fg = .9258

SICP (MV) = 2070 psig

SICP (DK) = 2094 psig

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

Q = (12.365)(303)(.9868)(.9258)(1.033) = 3536 MCF/D

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

$$\text{Aof} = \left(\frac{4,117,849}{3,954,040} \right)^{.75} = (3536)(1.1700)^{.75} = (3536)(1.1250)$$

Aof = 3978 MCF/D

NOTE: The well produced a very heavy spray of dist. and a little water throughout the test.

RECEIVED
DEC 9 1964
OIL CON. COM.
DIST. 3

TESTED BY William R. Walkeley & C. R. Wagner (EPNG)

WITNESSED BY Oliver Powell (To Pet Inc)

CALCULATED BY W. B. Duncan

Lewis D. Galloway

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