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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE October 2, 1964

Operator: Beta Development Company		Lease: San Juan Unit 29-6 No. 84	
Location: 1635'N, 1745'E, Sec. 14, T-29-N, R-6-W		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 8130	Tubing: Diameter: 2.375	Set At: Feet: 8068
Pay Zone: From: 8000	To: 8096	Total Depth: 8130	Shut In: 9-24-64
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: 0.750	Choke Constant: C: 12.365		
Shut-In Pressure, Casing: 2152 PSIG	+ 12 = PSIA: 2164 / Days Shut-In: 7	Shut-In Pressure, Tubing: 2152 PSIG	+ 12 = PSIA: 2164
Flowing Pressure: P: 211 PSIG	+ 12 = PSIA: 223	Working Pressure: Pw: 733 PSIG	+ 12 = PSIA: 745
Temperature: T= 72 °F Ft=.9887	n = .75	Fpv (From Tables): 1.022	Gravity: .670 Fg = .9463

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

$Q = (12.365)\ (223)\ (.9887)\ (.9463)\ (1.022) =$ 2,637 MCF/D

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

$Aof = \left(\frac{4,682,896}{4,127,871} \right)^n = (2637)\ (1.1344)^{.75} = (2637)\ (1.0991)$

$Aof =$ 2,898 MCF/D

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OCT 6 1964
OIL CON. COM.
DIST. 3

NOTE: Well produced very little liquid throughout the test.

TESTED BY George Hoffman (Beta Development)

WITNESSED BY Hermon E. McAnally (EPNG)

Lewis D. Galloway

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