FORM 23-75R (REV. 11-59)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE November 14, 1962

Operator: El Paso Natural Gas Company		Lease: Rincon No. 175	
Location: 1840'N, 1760'E, Sec. 20-27-6		County: Rio Arriba	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 7544	Tubing: Diameter: 2.375	Set At: Feet: 7481
Pay Zone: From: 7288	To: 7453	Total Depth: 7546 C/O 7528	Shut In: 11-6-62
Stimulation Method: Sand Water Frac.		Flow Through Casing	Flow Through Tubing: X

Choke Size, Inches: .75		Choke Constant: C: 12.365			
Shut-In Pressure, Casing, PSIG: 2390	+ 12 = PSIA: 2402	Days Shut-In: 8	Shut-In Pressure, Tubing PSIG: 2207	+ 12 = PSIA: 2219	
Flowing Pressure: P PSIG: 294	+ 12 = PSIA: 306		Working Pressure: P_w PSIG: 1011	+ 12 = PSIA: 1023	
Temperature: T 74 °F	Ft = .9868	n: .75	Fpv (From Tables): 1.026	Gravity: .63	Fg = .9759

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

$Q = (12.365)(306)(.9868)(.9759)(1.026) = 3738$ MCF/D

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

Aof $\left(\frac{5,769,604}{4,723,075} \right)^n (3738)(1.2215)^{.75} = (3738)(1.1618)$

Aof = 4343 MCF/D

NOTE: Made heavy slug of hydrocarbons and water about 3 min. after opening and then made spray of same throughout remainder of test.

RECEIVED
NOV 16 1962
OIL CON. COM.
DIST. 3

TESTED BY R. F. Headrick

WITNESSED BY

Calculated by W. D. Dawson

Checked by Tom B. Grant

Lewis D. Galloway

Lewis D. Galloway