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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 13, 1965

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit No. 107 (DK) (OWWO)	
Location: 1460'N, 1180'W, Section 35, T-27-N, R-10-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 5.500	Set At: Feet: 7014	Tubing: Diameter: 2.375	Set At: Feet: 6963
Pay Zone: From: 6934	To: 7007	Total Depth: 7020	Shut In: 4-29-65
Stimulation Method: Sand Oil Frac		Flow Through Casing	Flow Through Tubing: X

Choke Size, Inches: .750		Choke Constant: C: 12.365		Baker Model "P" Packer set at 6325 ft.	
Shut-In Pressure, Casing, PSIG: (GL) 514	+ 12 = PSIA: 526	Days Shut-In: 14	Shut-In Pressure, Tubing PSIG: (DK) 966	+ 12 = PSIA: 978	
Flowing Pressure: P PSIG: 174	+ 12 = PSIA: 186		Working Pressure: P_w PSIG: (Calc)	+ 12 = PSIA: 397	
Temperature: T = 68 °F	Ft = .9924	n = .75	Fpv (From Tables): 1.019	Gravity: .694	Fg = .9325

ISIPT (GL) = 406 psig

FSIPC (GL) = 518 psig

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

$Q = (12.365)\ (186)\ (.9924)\ (.9325)\ (1.019) =$ 2169 MCF/D

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

$$Aof = \left(\frac{956,484}{798,875} \right)^n = (2169)\ (1.1972)^{.75} = (2169)\ (1.1447)$$

NOTE: Made small stream of oil and water.

Aof = 2483 MCF/D

RECEIVED
MAY 25 1965
OIL CON. COM.
DIST. 3

TESTED BY D. R. Roberts

CALCULATED BY W. D. Dawson

CHECKED BY T. B. Grant

Lewis D. Galloway

L. D. Galloway