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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE October 9, 1968

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit No. 150	
Location: 890'S, 1500'W, Sec. 12, T-25-N, R-10-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6915	Tubing: Diameter: 2.375	Set At: Feet: 6736
Pay Zone: From: 6774	To: 6814	Total Depth: 6915	Shut In: 9-21-68
Stimulation Method: Sand Water Frac.		Flow Through Casing	Flow Through Tubing: X

Choke Size, Inches: Plate 2.750 4" M.R.	Choke Constant: C (Meter): 41.9208		Tested through a 3/4" variable choke
Shut-In Pressure, Casing, PSIG: 1573	+ 12 = PSIA: 1585	Days Shut-In: 18	Shut-In Pressure, Tubing PSIG: 1567 / + 12 = PSIA: 1579
Flowing Pressure: P PSIG: 267 W.H. 85 M.R.	+ 12 = PSIA: 279 W.H. 97 M.R.		Working Pressure: P_w PSIG: 723 / + 12 = PSIA: 735
Temperature: T= 76 °F Ft=.9850	n = .75		Fpv (From Tables): 1.010 / Gravity: .700 Fg = 1.1952

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

Q = Calculated from Orifice Meter Readings = 2936 MCF/D

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

Aof = $\left(\frac{2512225}{1972000} \right)^n$ = $(2936)(1.2739)^{.75}$ = 2936 x (1.1990)

Aof = 3520 MCF/D

NOTE: The well produced 15.66 bbls. of 48.6 API gravity oil and 3.73 bbls. of water into the tank during the three hour test.

RECEIVED
OCT 14 1968
OIL CON. COM.
DIST. 3

TESTED BY Bobby Broughton & Jesse Goodwin

Calculated WITNESSED BY Hermon E. McAnally

H. L. Kendrick by [illegible]

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