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

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE February 2, 1966

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit No. 155	
Location: 840'N, 990'W, Section 8, T-25-N, R-9-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6887	Tubing: Diameter: 2.375	Set At: Feet: 6748
Pay Zone: From: 6666	To: 6812	Total Depth: 6900	Shut In: 1-12-66
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Meter: 2-1/2" Plate, 4" M.R.	Meter Constant: 33.293	Tested through a 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 1950	+ 12 = PSIA: 1962 / Days Shut-In: 21	Shut-In Pressure, Tubing PSIG: 1978	+ 12 = PSIA: 1990
Flowing Pressure: P PSIG: Meter - 82; W.H - 195	+ 12 = PSIA: Meter - 94; W.H -207	Working Pressure: P_w PSIG: 560	+ 12 = PSIA: 572
Temperature: T = 58 °F, F_t = 1.0019	n = .75	Fpv (From Tables): 1.011	Gravity: .700, F_g = 1.1952

CHOKE VOLUME = Q

Q = Calculated from orifice meter reading = 2,337 MCF/D

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

$$\text{Aof} = \left(\frac{3,960,100}{3,632,916} \right)^n = (2,337)\ (1.0900)^{.75} = (2,337)\ (1.0668)$$

NOTE: Well produced 24 bbls of Oil.

Aof = 2,493 MCF/D

TESTED BY W.D.Dawson, W.Cassida, D.R.Roberts

CHECKED BY: Tom Grant

RECEIVED
FEB 4 1966
OIL CON. COM.
DIST. 3

Lewis D. Galloway

Lewis D. Galloway