FORM 23-75 (12-66)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE June 6, 1974

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit #259	
Location: 1180/N, 1500/W, Sec. 6, T26N, R10W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6802'	Tubing: Diameter: 2.375	Set At: Feet: 6754'
Pay Zone: From: 6626	To: 6776	Total Depth: PBTD: 6815 6795	Shut In: 5-30-74
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

Meter Orifice Choke Size, Inches: 4" MR 2.750	Choke Constant: C: 41.10	Well tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG: 1284	+ 12 = PSIA: 1296 / Days Shut-In: 7	Shut-In Pressure, Tubing PSIG: 631	+ 12 = PSIA: 643
Flowing Pressure: P PSIG: 60	+ 12 = PSIA: 72	Working Pressure: P_w PSIG: 423	+ 12 = PSIA: 435
Temperature: T= 84 °F Ft= .9777	n = .75	Fpv (From Tables): 1.0100	Gravity: .720 Fg = .9129

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

Q = Calculated from meter readings = 408 MCF/D

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

$$\text{Aof} = Q\left(\frac{1679616}{1490391}\right)^n = 408(1.1270)^{.75} = 408(1.0938)$$

Aof = 446 MCF/D

Note: The well produced 2 BBl of water and 63 BBl of 43.6 gravity oil.

TESTED BY Fothergill & Rhames

WITNESSED BY

RECEIVED
JUN 10 1974
OIL CON. COM.
DIST. 3

Loren W Fothergill

Loren W. Fothergill
Well Test Engineer