FORM 2-47 (12-65)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE July 11, 1974

Operator: El Paso Natural Gas Company		Lease: Huerfano Unit #261	
Location: 990/S, 1650/W, Sec. 20, T26N, R10W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6576'	Tubing: Diameter: 2.375	Set At: Feet: 6510'
Pay Zone: From: 6379'	To: 6528'	Total Depth: 6576' PBTD 6562'	Shut In: 6-28-74
Stimulation Method: Sandwater Frac		Flow Through Casing	Flow Through Tubing: XX

Choke Size, Inches: Meter Orifice 4" MR	2.750	Choke Constant: C: 41.10			
Shut-In Pressure, Casing, PSIG: 1355	+ 12 = PSIA: 1367	Days Shut-In: 13	Shut-In Pressure, Tubing PSIG: 776	+ 12 = PSIA: 788	
Flowing Pressure: P PSIG: 59	+ 12 = PSIA: 71		Working Pressure: Pw PSIG: 648	+ 12 = PSIA: 660	
Temperature: T= 78 °F	Ft= .9831	n = .75	Fpv (From Tables): 1.010	Gravity: .710	Fg= 1.187

CHOKE VOLUME = Q = C x P_t x F_t x F_g x F_{pv}

Q = Calculated from orifice meter readings = 260 MCF/D

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

$$\text{Aof} = Q \left(\frac{1868689}{1433089} \right)^n = 260(1.3040)^{.75} = 260(1.2202)$$

Aof = 317 MCF/D

Note: The well produced 41.02 BBls of 43.4 gravity oil.

TESTED BY L.W. Fothergill, J.B. Goodwin

WITNESSED BY

RECEIVED
JUL 16 1974
OIL CON. COM.
DIST. 3

Loren W Fothergill

Loren W. Fothergill
Well Test Engineer