

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 6-27-74

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Huerfano Unit #263</u>	
Location <u>1650/S, 1800/W, Sec 32, T26N, R-10-W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Dakota</u>		Pool <u>Easin</u>	
Casing: Diameter <u>4.500</u>	Set At: Feet <u>6560'</u>	Tubing: Diameter <u>2.375</u>	Set At: Feet <u>6455'</u>
Pay Zone: From <u>6350'</u>	To <u>6470'</u>	Total Depth: <u>6560'</u> <u>PSTD</u> <u>6543'</u>	Shut In <u>6-6-74</u>
Stimulation Method <u>Sandwater Frac</u>		Flow Through Casing	Flow Through Tubing <u>XX</u>

Meter Choke Size, Inches <u>4" MR</u>		Orifice <u>2.500</u>		Orifice Constant: C <u>32.64</u>		Well test through a 3/4" variable choke	
Shut-In Pressure, Casing, <u>1830</u>	PSIG	+ 12 = PSIA <u>1842</u>	Days Shut-In <u>14</u>	Shut-In Pressure, Tubing <u>1440</u>	PSIG	+ 12 = PSIA <u>1452</u>	
Flowing Pressure: P <u>145</u>	PSIG	+ 12 = PSIA <u>167</u>		Working Pressure: P _w <u>452</u>	PSIG	+ 12 = PSIA <u>464</u>	
Temperature: T = <u>68</u> °F		Ft = <u>.9924</u>	n = <u>.75</u>	F _{pv} (From Tables) <u>1.0180</u>		Gravity <u>.710</u> F _g = <u>1.187</u>	

$$\text{CHOKE VOLUME} = Q = C \times P_i \times F_i \times F_g \times F_{pv}$$

$$Q = \text{Calculated from orifice meter readings.} = \underline{\hspace{2cm}} 1317 \underline{\hspace{2cm}} \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{3392964}{3177668} \right)^{.75} = 1317(1.0678)^{.75} = 1317(1.0504)$$

$$Aof = \underline{\hspace{2cm}} 1384 \underline{\hspace{2cm}} \text{ MCF/D}$$

Note: The well produced 102.4 EBls of
42.4 API gravity oil.

TESTED BY C.R.Wagner & L.W.Fothergill

WITNESSED BY _____

Loren W Fothergill
L. W. Fothergill
Well Test Engineer