

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE 7-13-71

Operator <u>El Paso Natural Gas Company</u>		Lease <u>Huerfano Unit No. 211</u>	
Location <u>1550' N, 1500' W, S 10, T26N, R10W</u>		County <u>San Juan</u>	State <u>New Mexico</u>
Formation <u>Dakota</u>		Pool <u>Basin</u>	
Casing: Diameter <u>4.500</u>	Set At: Feet <u>7030</u>	Tubing: Diameter <u>2.375</u>	Set At: Feet <u>6950</u>
Pay Zone: From <u>6775</u>	To <u>6942</u>	Total Depth: <u>7035</u>	Shut In <u>6-22-71</u>
Stimulation Method <u>S W F</u>		Flow Through Casing	Flow Through Tubing <u>XXX</u>

Meter Orifice Size, Inches <u>1" MR 2.750" plt.</u>		Meter Meter Constant: C <u>41.9208</u>		well tested thru <u>3/4"</u> variable choke	
Shut-In Pressure, Casing, PSIG <u>1880</u>	+ 12 = PSIA <u>1892</u>	Days Shut-In <u>21</u>	Shut-In Pressure, Tubing PSIG <u>1875</u>	+ 12 = PSIA <u>1887</u>	
Flowing Pressure: P PSIG <u>30 MR 195 WH</u>	+ 12 = PSIA <u>42 MR 207 WH</u>		Working Pressure: P _w PSIG <u>565</u>	+ 12 = PSIA <u>577</u>	
Temperature: T = <u>84</u> °F	Ft = <u>.9777</u>	n = <u>.75</u>	Fpv (From Tables) <u>1.003</u>	Gravity <u>.715</u>	Fg = <u>1.1826</u>

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

$$Q = \text{Calculated from orifice meter readings} = \underline{1075} \text{ MCF/D}$$

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

Note: well made 61.75 bbls. of 41° API oil during test.

$$Aof = \left(\frac{3579664}{3246735} \right)^n = 1075(1.1025)^{.75} = 1075(1.0759)$$

$$Aof = \underline{1157} \text{ MCF/D}$$

TESTED BY C. R. Wagner-R. E. Fielder

WITNESSED BY _____



H. E. McAnally
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