

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE April 12, 1967

Operator El Paso Natural Gas Company		Lease Huertano Unit No. 158	
Location 1650'N, 990'W, Sec. 8, T-26-N, R-9-W		County San Juan	State New Mexico
Formation Dakota		Pool Basin	
Casing: Diameter 4.500	Set At: Feet 6908	Tubing: Diameter 2.375	Set At: Feet 6722
Pay Zone: From 6685	To 6746	Total Depth: 6908	Shut In 3-18-67
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 2.500 plate; 4" meter run	Choke Constant 33.293	Tested through 1" variable choke Set at 48/64 (3/8)	
Shut-In Pressure, Casing, PSIG 1977	+ 12 = PSIA 1989	Days Shut-In 24	Shut-In Pressure, Tubing PSIG 1976
Flowing Pressure: P meter 58; Wellhead 174	+ 12 = PSIA meter 70; wellhead 182	Working Pressure: P _w PSIG 568	+ 12 = PSIA 580
Temperature: T = 66 °F	n = .75	F _{pv} (From Tables) 1.011	Gravity .700 F _g = 1.1952

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

$$Q = \text{Calculated from orifice meter reading} = \underline{1559} \text{ MCF/D}$$

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

$$Aof = \left(\frac{3956121}{3619721} \right)^n = (1559)(1.0929)^{.75} = (1.0689)(1559)$$

NOTE: The well produced 51.39 bbls. of oil into the tank during the test.

$$Aof = \underline{1666} \text{ MCF/D}$$

TESTED BY R. F. HendrickWITNESSED BY H. E. McAnally

R. F. Hendrick
H. E. Hendrick

