

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE November 29, 1960

Operator La Plata Gathering System	Lease Huerfanito No. 60-4	State New Mexico
Location 990'S, 990'W, Sec. 4-26-9	County San Juan	
Formation Dakota	Pool Huerfanito Extension	
Casing Diameter 5-1/2"	Tubing Diameter 2-3/8"	Set At Feet 6589
Plugging Depth 6553	Total Depth 6760 c/o 6725	Shut In 11-19-60
Stratigraphic Interval Sand/Oil Frac.	Flow Through Casing X	

Casing Size, Inches 0.750	Casing Weight, Lbs./Ft. 12.365	Daytime Pressure, PSIG 1944	Shut-In Pressure, PSIG 1980	PSIG	12	PSIA
Flowing Pressure, PSIG 379	Flowing Pressure, PSIA 391	Daytime Pressure, PSIA 10	Working Pressure, PSIA 898	PSIG	12	PSIA
Temperature, °F 82	Temperature, °F .9795	Temperature, °F 0.750	Temperature, °F 1.036	Temperature, °F .670	Temperature, °F .9463	

CHARGE VOLUME $Q = C \times P_1 \times P_2 \times P_3 \times P_4 \times P_5$

$$Q = (12.365)(391)(.9795)(.9463)(1.036)$$

4643

MCF/D

$$\text{OPEN FLOW RATE} = Q \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_2^2} \right)^n$$

$$\text{Qsf} = \left(\frac{3,968,064}{3,139,964} \right)^n$$

$$(1.2637)^{.75}(4643) = (1.1917)(4643)$$

A blue heavy spray of distillate throughout the test.

Apf 5533



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