

OPEN FLOW TEST DATA

DATE July 13, 1960

Operator El Paso Natural Gas Co.		Lease San Juan 31-6 No. 18-3	
Location 1460S, 1840W; 3-30N-6W		County Rio Arriba State New Mexico	
Formation Mesaverde		Blanco MV	
Casing Size 7-5/8		Casing Depth 3425	
Casing Pressure 5476		Casing Pressure 5644	
Shut-In Pressure 5724 c/o 5682		Shut-In Pressure 5659	
Flow Through Casing Sand Water Frac.		Flow Through Casing X	

Choke Size, inches .75	Flow Rate, GPM 12.365	5-1/2" liner from 3350 to 5724
Shut-In Pressure, Casing 1044	Shut-In Pressure, Tubing 8	PSIA 1056
Flowing Pressure, P 404	Flowing Pressure, P 416	PSIA 595
Temperature, T 74	Flow Rate, GPM 1.033	Est. .615 FG=.9877
Ft=.9868	.75	

CHOKED FLOW

$$12.365 \times 416 \times .9868 \times .9877 \times 1.033$$

5,179 MCF/D

$$\left(\frac{12.365}{1.033} \right)^2 \times \left(\frac{416}{1.033} \right)^2 \times \left(\frac{.9868}{1.033} \right)^2 \times \left(\frac{.9877}{1.033} \right)^2 \times \left(\frac{1.033}{1.033} \right)^2$$

$$\left(\frac{12.365}{1.033} \right)^2 \times \left(\frac{416}{1.033} \right)^2 \times \left(\frac{.9868}{1.033} \right)^2 \times \left(\frac{.9877}{1.033} \right)^2 \times \left(\frac{1.033}{1.033} \right)^2$$

$$1.4651^{.75} \times 5179 = 1.3320 \times 5179$$

6898 MCF/D



D. Mortensen

Checked By W. D. Dawson

Lewis D. Galloway
L. D. Galloway