

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

Original potential taken on December 3, 1957

DATE August 13, 1958

Operator El Paso Natural Gas	Lease San Juan 29-4 Unit 14-31
Location 1190N, 990E; 31-29-4	County Rio Arriba State New Mexico
Formation Mesa Verde	Well Blanco MV
Casing, Diameter 7-5/8 Set At Feet 4414	Tubing, Diameter 2" Set At Feet 6577
Perforations 6152	Test Depth 6680
Stimulation Method Sand Water Frac.	Flow Through Casing Shut-in 8/4/58 Flow Through Tubing X

Choke Size, Inches .75	Block Length, Feet 12.365	5-1/2 liner 6639
Shut-in Pressure, PSIA 998	Flowing Pressure, PSIA 1010	Shut-in Pressure, PSIA 995
Flowing Pressure, PSIA 90	Temperature, F 102	Flowing Pressure, PSIA 497
Temperature, F 82	Flowing Pressure, PSIA .75	Temperature, F 509
		Flowing Pressure, PSIA 1.010
		Temperature, F .706

CHOKE VOLUME $Q = C \times P \times E \times F_g \times F_v$

$$12.365 \times 102 \times .9795 \times .9225 \times 1.010$$

1151

MCF/D

$$Q_{PI} = Q \left(\frac{P_s^2}{P_s^2 - P_a^2} \right)^n$$

$$Q_{PI} = \left(\frac{1020100}{761019} \right)^n$$

$$(1.3404)^{.75} \times 1151 = (1.2462) (1151)$$

1434

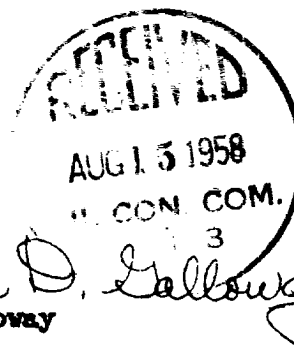
MCF/D

Well blew completely down in five minutes, then unloaded slugs of liquid, then well blew a heavy fog of liquid during entire test.

Richard Proctor

C. R. Wagner (PNW)

Checked By R. R. Davis



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