

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE **October 9, 1961**

Operator El Paso Natural Gas Company	Lease Bruington Pool Unit No. 4
Location 2200'S, 1650'W, Sec. 6-30N-11W	County San Juan State New Mexico
Formation Dakota	Pack Basin
Casing Diameter 4-1/2" O.D.	Tubing Diameter 2-3/8" O.D.
Set At Feet 6871	Set At Feet 6757
Flow From 6620	Total Depth 6871 c/o 6840
Stimulation Method Sand/Water Frac.	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant, C 12.365	Days Shut-in 16	Shut-in Pressure, Tubing 2065	PSIG 12 PSIA 2077
Shut-in Pressure, Casing 2063	PSIG 12 PSIA 2075	Working Pressure, Pw 994	PSIG 12 PSIA 1006	
Flowing Pressure, P 252	PSIG 12 PSIA 264	Eq. (From Tables) 1.022	Gravity 0.650	Eq. .9608
Temperature 86 F	.9759			

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_g \times F_v$

$Q = (12.365)(264)(.9759)(1.022)(.9608)$

3128

MCF/D

OPEN FLOW $A_{of} = Q \left(\frac{P_1^2 - P_w^2}{P_1^2 - P_w^2} \right)^n$

$A_{of} = \left(\frac{4,313,929}{3,301,893} \right)^n$

$(1.3065)^{.75}(3128) = (1.2220)(3128)$

A_{of}

3822

MCF/D

R. F. Headrick

Checked by: W. D. Dawson

Lewis D. Galloway
L. D. Galloway

