

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 5, 1961

Operator El Paso Natural Gas Co.	Lease Lackey "B" No. 16
Location 1180'N, 1460'E, Sec. 20-28N-9W	County San Juan State New Mexico
Formation Dakota	Basin Basin
Well Diameter 4-1/2" O.D. Set At Feet 6757	Tubing Diameter 2-3/8" O.D. Set At Feet 6656
Well Depth 6553 T. 6687	Total Depth 6757 C/O 6713 Shut In 7-27-61
Well Completion Sand/Water Frac.	Flow Through Casing X Flow Through Tubing X

Well Size, inches 0.750	Choke Constant, C 12.365
Shut-In Pressure, tubing, PSIG 1925	Days Shut-In 9
Working Pressure, P, PSIG 260	Shut-In Pressure, tubing, PSIG 1925
Temperature 72	Working Pressure, Pw, PSIG 770
	Flow From Tables 1.027
	Gravit. 0.675
	Fg .9427

CHUCK VOLUME $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

$$Q = (12.365)(272)(.9887)(.9427)(1.027)$$

3219 MCF/D

$$Q_{flow} = Q_{shut} \left(\frac{P_c^2}{P_w^2 - P_c^2} \right)^n$$

$$Q_{flow} = \left(\frac{3,751,969}{3,140,445} \right)^n$$

$$(1.1947)^{.75} (3219) = (1.1425)(3219)$$

Q_{flow} 3678 MCF/D

Jesse B. Goodwin

Checked by: W. D. Dawson

NOTE: Blew heavy fog of water during entire test.

Lewis D. Galloway
L. D. Galloway

