

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE: November 1, 1956

Operator El Paso Natural Gas Company		Lease Abraham #1-B	
Location 988S, 899W, Sec. 14-30-6		County Rio Arriba	State New Mexico
Formation Mesa Verde		Blanco	
Casing Diameter 5 1/2	Set At Feet 5731	Tubing Diameter 2"	Set At Feet 5671
Pay Zone From 5290	To 5664	Total Depth 5731; c/o 5690	
Stimulant Sand water frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.750	Choke Constant, C 14.1605	Shut-In Pressure, Casing 1130	PSIG - 12 PSIA 1142	Days Shut-In 10	Shut-In Pressure, Tubing 1131	PSIG - 12 PSIA 1143
Flowing Pressure, P 149	PSIG - 12 PSIA 161	Temperature, T 58	Flowing Pressure, Pw 373	PSIG - 12 PSIA 385	Flowing Pressure, Pw 373	PSIG - 12 PSIA 385
	Flowing Pressure, P 0.750		Flowing Pressure, Pw 1.011		Flowing Pressure, Pw 1.011	Gravity 0.570

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_3$

$C (14.1605) (161) (1.0019) (1.026) (1.011) = 2369$ MCF/D

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

$Q = \left(\frac{1,306,449}{1,158,224} \right)^{.75} (1.1279) Q = 1.0944 (2369)$

Adjusted **2593** MCF/D

D. C. Adams

WITNESSED BY

L. D. Galloway
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OIL CONSERVATION COMMISSION

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