

OPEN FLOW TEST DATA

DATE March 21, 1957

Operator El Paso Natural Gas Company	Lease Storey # 10-C
Location 1090'S, 1650'W, Sec. 35-28-9	County San Juan State New Mexico
Formation Mesa Verde	Pool Blanco
Casing: Diameter 7 5/8 Set At: Feet 2484	Tubing: Diameter 2" Set At: Feet 4638
Pay Zone: From 4594 To 4662	Total Depth: 4742 - c/o - 4680
Stimulation Method: Sand Water Frac	Flow Through Casing Flow Through Tubing X

Choke Size, Inches	Choke Constant, C		5½" liner 2454 - 4747	
.750	14.1605			
Shut-In Pressure, Gas	PSIG	12 PSIA	Shut-In Pressure, Tubing	PSIG 12 PSIA
753 P.C.		14	1054	1066
Flowing Pressure, F	PSIG	12 PSIA	Working Pressure, W	PSIG 12 PSIA
395		407	Calculated	854
Temperature, T	F		F _{pv} From Tables	Grav.
67		.75	1.036	.635

CHOKE VOLUME = $Q \times C \times P_1 \times F_1 \times F_g \times F_{pv}$

14.1605 x 407 x .9933 x .9721 x 1.036 = 5765 MCF/D

$$\text{OPEN FLOW: } \Delta p = Q \left(\begin{matrix} p_{c_{\text{open}}} \\ p_c - p_a \end{matrix} \right)^n$$

$$\left(\begin{array}{c} 1,136,356 \\ 407,040 \end{array} \right)^n \quad (2.7917)^{.75} \times 5765 = 2.162 \times 5765$$

Adf 12,464 MCF D

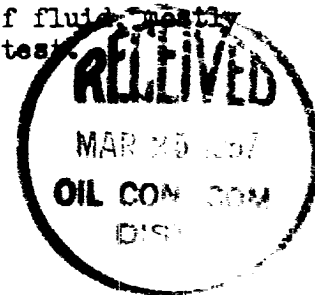
Made considerable amount of fluid, mostly distillate, during 3 hour test.

K. C. McBride

WITNESSED BY _____

cc: (6) E. J. Coel, Jr.

L. D. Galloway
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