

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETIONDATE May 31, 1957

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit No. 72	
Location 1650'S, 1090'W, Sec. 35-28-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7 5/8	Set At Feet 2909	Tubing Diameter 2"	Set At Feet 4856
Pay Zone: From 4408	To 5034	Total Depth: 5120 - c/o 5050. Packer at 2946	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches 0.75	Choke Constant: C 12.365		5 1/2" liner - 2904 to 5117	
Shut-In Pressure, Casing, P.C. 1048	PSIG - 12 - PSIA 1060	Days Shut-In 7	Shut-In Pressure, Tubing 1113	PSIG - 12 - PSIA 1125
Flowing Pressure: P 353	PSIG - 12 - PSIA 365		Working Pressure: P _w Calculated	PSIG - 12 - PSIA 697
Temperature: T 75	F _h .75		F _{pv} (From Tables) 1.038	Gravity .690

Final SIPC (Pictured Cliffs) - 1049 psig

CHOKE VOLUME = $Q = C \times P_c \times F_1 \times F_2 \times F_{pv}$

$$Q = 12.365 \times 365 \times .9859 \times .9325 \times 1.038 = 4307 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,265,625}{779,816} \right)^{.75} \times 4307 = 1.6229 \times 4307 = 1.4375 \times 4307$$

Aof 6191 MCF/D

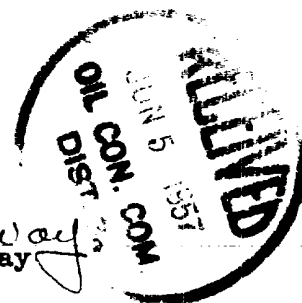
Well blew heavy spray of distillate during entire test period.

TESTED BY R. A. Ullrich

WITNESSED BY

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

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

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