

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE May 29, 1957

Operator El Paso Natural Gas Company		Lease Storey No. 8-C	
Location 1450'S, 1850'W, Sec. 33-28-9		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7 5/8	Set At: Feet 5280	Tubing: Diameter 2"	Set At: Feet 5504
Pay Zone: From 5416	To 5496	Total Depth: 5645 - c/o 5500. Packer at 5380	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750	Choke Constant: C 12.365		5 1/2" liner. 5221 to 5645	
Shut-In Pressure, Casing, PSIG 686 P.C.	- 12 = PSIA	Days Shut-In 32	Shut-In Pressure, Tubing, PSIG 1032	- 12 = PSIA 1044
Flowing Pressure: P, PSIG 337	- 12 = PSIA	349	Working Pressure: P _w , PSIG Calculated	- 12 = PSIA 698
Temperature: T, °F 67	n =	.75	F _{pv} (From Tables) 1.041	Gravity .710

Ending SIPC (Pictured Cliffs)) - 684 psig

CHOKE VOLUME = Q C x P_c x F_v x F_g x F_{pv}

Q **12.365 x 349 x .9933 x .9193 x 1.041** = 4102 MCF/D

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

Aof $\left(\frac{1,089,936}{602,732} \right)^n = 1.808^{.75} \times 4102 = 1.558 \times 4102$

Aof 6391 MCF/D

Heavy spray of distillate last 2 1/2 hours.

TESTED BY K. C. McBride

WITNESSED BY Fred Cook, New Mexico Oil Conservation Commission

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

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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