

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE March 31, 1958

Operator El Paso Natural Gas Company		Lease Bolack No. 10-C	
Location 1090N, 800E, 28-27-8		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8"	Set At: Feet 4233	Tubing: Diameter 2"	Set At: Feet 4540
Pay Zone: From 4390	To 4498	Total Depth: 4629	Shut-in 3/14/58 X
Stimulation Method Sand Water Frac.		Flow Through Casing X	

Choke Size, Inches 0.75		Choke Constant: C 12.365		5-1/2" liner at 4173 - 4625	
Shut-In Pressure, Casing, PSIG 1065	- 12 = PSIA 1077	Days Shut-in 17	Shut-In Pressure, Tubing PSIG 1050	- 12 = PSIA 1062	
Flowing Pressure: P PSIG 274	- 12 = PSIA		Working Pressure: P _w PSIG 626	- 12 = PSIA	
Temperature: T °F 65	n =	286	F _{pv} (From Tables) 1.032	Gravity 0.708	

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

$$Q = 12.365 \times 286 \times .9952 \times 0.9225 \times 1.032 = 3351 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1159929}{752885} \right)^n (1.5406)^{.75} \times 3351 = 1.3825 \times 3351 =$$

Aof 4633 MCF/D

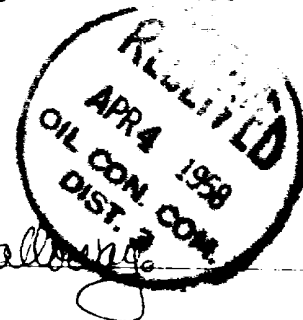
Well Blew Heavy Fog of Liquid Entire Test Period.

TESTED BY: Jess Goodwin

WITNESSED BY: _____

Checked By: H. L. Kendrick

Lewis D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION		
DISTRICT OFFICE		
APPROVED	2	
REVISION		
NO		
1		
1		
1		
1		✓