

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE February 4, 1958

Operator El Paso Natural Gas		Lease Allison Unit No. 12 (M)	
Location 1825'N, 1550'E, Sec. 14-32-7		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 7-5/8	Set At: Feet 6030	Tubing: Diameter 2"	Set At: Feet 8116
Pay Zone: From 5796	To 5870	Total Depth: 8320	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12.365		5" liner. 5976 - 8317	
Shut-In Pressure, Casing, PSIG 1563 MV	- 12 = PSIA 1575	Days Shut-In 19 MV	Shut-In Pressure, Tubing, PSIG 2630 Dak.	- 12 = PSIA 2642
Flowing Pressure: P, PSIG 512	- 12 = PSIA 524		Working Pressure: P _w , PSIG Calculated	- 12 = PSIA 527
Temperature: T, F 63	n .750		F _{pv} (From Tables) 1.043	Gravity .580

Final SIPT (Dak.) - 2645 psig. Packer at 5945.CHOKE VOLUME - $Q = C \times P_r \times F_c \times F_g \times F_{pv}$

$$Q = 12.365 \times 524 \times .9971 \times 1.017 \times 1.043 = \underline{6853} \text{ MCF/D}$$

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

$$Aof = \left(\frac{2,480,625}{2,202,896} \right)^n \cdot 1.1260^{.75} \times 6853 = 1.0930 \times 6853$$

$$Aof = \underline{7490} \text{ MCF/D}$$

TESTED BY R. R. Davis

WITNESSED BY _____

cc: E. S. Oberly (6)

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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