

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 4, 1958

Operator El Paso Natural Gas		Lease Bolack 14-C (P)	
Location 800N, 1640E; 30-27-8		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool South Blanco	
Casing: Diameter 7-5/8	Set At: Feet 2252	Tubing: Diameter 1-1/4	Set At: Feet 2154
Flow Line: From 2094	To 2150	Total Depth 4568	Shut in 10/9/58
Flow Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke size: inches .75	Choke Constant: C 12.365	5-1/2 liner 2210 - 4559
Shut-in Pressure, Casing, PSIG (PC) 721	12 PSIA 733	Shut-in Pressure, Tubing, PSIG (PC) 721
Flowing Pressure: P, PSIG 32	12 PSIA 44	Working Pressure: Pw, PSIG 34
Temperature: T 61	.85	Gravity .650

Initial SIPT (MV) = 1076 psig
Final SIPT (MV) = 1080 psig

Packer at 2227'
2" at 4482'

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

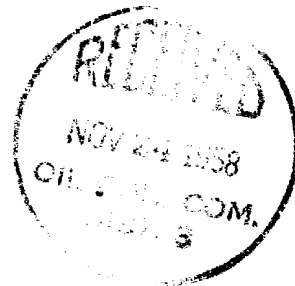
$$Q = 12.365 \times 44 \times .9990 \times .9608 \times 1.005 = 525 \text{ MCF/D}$$

$$Q_{open} = A_{sf} \times Q \left(\frac{P_1^2}{P_2^2 - P_w^2} \right)^n$$

$$A_{sf} = \left(\frac{537289}{535173} \right)^n$$

$$1.0039^{.85} \times 525 = 1.0033 \times 525$$

$$A_{sf} = 527 \text{ MCF/D}$$



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Schematic Diagram of Dually Completed
El Paso Natural Gas Co. Bolack No. 14-C (PM)
NE/4 Section 30, T-27-N, R-8-W

