

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADUAL COMPLETIONDATE March 6, 1957

Operator El Paso Natural Gas Company		Lease Bruington Pool Unit # 3	
Location 1625'S, 800'E, Sec. 6-30-11		County San Juan	State New Mexico
Formation Pictured Cliffs		Pool Wildcat	
Casing Diameter 7	Set At: Feet 4535	Tubing Diameter 1 1/4	Set At: Feet 2347
Pay Zone: From 2329	To 2390	Total Depth: 4808 - c/o - 4710 - Packer @ 4491	
Stimulation Method Sand Water		Flow Through Casing X	Flow Through Tubing

Casing Size, Inches 0.75	Permeability Constant, C 14.1605		
Shut-In Pressure, Casing, PSIG 656	PSIG - 12 - PSIA 678	Days Shut-in 11	Shut-In Pressure, Tubing, PSIG 656
Flowing Pressure, Casing, PSIG 63	PSIG - 12 - PSIA .75		Working Pressure, Pw, PSIG 68
Temperature, °F 58	Pressure Coefficient .85		Gravity .660
			Flow Through Tubing, PSIG 80
			Flow Through Casing, PSIG 1.009

SIPT (MV) - 1013

CHOKE VOLUME $C = C \times P_c \times F_c \times F_p \times F_{pv}$

$$C = 14.1605 \times 75 \times 1.0019 \times .9535 \times 1.009$$

1024

MCF/D

$$\text{OPEN FLOW } A_{of} = C \left(\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} \right)^n$$

$$A_{of} = \left(\frac{459,684}{453,284} \right)^n (1.0141)^{.85} \times 1024 = 1.0120$$

Acf 1036 MCF/D

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