

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 12, 1962

Operator El Paso Natural Gas Company		Lease Huerfano No. 92 (GL) (OWWO)	
Location 1650'N, 1825'W, Sec. 7-26-9		County San Juan	State New Mexico
Formation Gallup		Pool Angel Peak	
Casing Diameter 5.5	Set At: Feet 7016	Tubing Diameter 1.660	Set At: Feet 6052
Pay Zone: From 6114	To 6148	Total Depth: 7017	Shut In 8-24-62
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .75	Choke Constant: C 12.365	Baker Model "D" Packer at 6180'	
Shut-In Pressure, Casing, (GL) 1035	PSIG - 12 PSIA 1047	Days Shut-in 19	Shut-In Pressure, Tubing (GL) 1045
Flowing Pressure: P 30	PSIG - 12 PSIA 42	Working Pressure: Pw 97	PSIG - 12 PSIA 109
Temperature 63	Fr. .9971	Fr. 1.00L	Gravity .650
			Fg .9608

Initial SIPT (DK) = 1395 psig

Final SIPT (DK) = 1397 psig

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

$$Q = (12.365)(42)(.9971)(.9608)(1.00L)$$

500

MCF D

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

$$Aof = \left(\frac{1,117,249}{1,105,368} \right)^n (500)(1.0107)^{.75} = (500)(1.0080)$$

Aof

504

MCF D

TESTED BY **C. R. Wagner**

W. D. Dawson

Calculated by **W. D. Dawson**

Checked by **Tom B. Grant**



Lewis D. Galloway
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