

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 5, 1960

Operator El Paso Natural Gas Co.	Lease Jicarilla No. 15-E
Location 1140S, 1600E; 17-25N-4W	County Rio Arriba State New Mexico
Property Pictured Cliffs	Well So. Blanco P.C.
Casing Diameter 2-1/2" Set At Feet 3785	Tubing Diameter No tubing Set At Feet
Perforation 3720 3748	Test Depth 3804 c/o 3778 Shut In 6/28/60
State of Completion Sand Water Frac.	Flow Through Casing X Flow Through Tubing

Gas Gravity, γ_g .75	Isobaric Expansion Co. 12.365	Formation Pressure, Tubing -	PSIG $\times 12$ PSIA -
Wellbore Pressure, P_w 979	Flowing Pressure, P_{wf} 991	Working Pressure, P_w Calc.	PSIG $\times 12$ PSIA 110
Perforation Pressure, P_p 72	Isobaric Expansion Co. 84	Flow Through Tubing 1.009	Gravity .660
Isobaric Expansion Co. 1.0039	Flow Through Casing .85	Flow Through Tubing .9535	

CHECK VOLUME $Q = \frac{1}{2} \times P_w \times P_p \times P_{wf} \times P_{wf} \times P_{wf}$

$$Q = 12.365 \times 84 \times 1.0039 \times .9535 \times 1.009$$

1003

MCF D

$$Q = \left(\frac{P_w - P_p}{P_w - P_{wf}} \right)^n$$

$$Q = \left(\frac{982081 - 969981}{982081 - 969981} \right)^n$$

$$1003 \times 1.0124^{.85} \times 1003 \times 1.0105$$

Asf 1014

MCF D



Checked By J. B. Goodwin

Approved By

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