

B & R SERVICE COMPANY OPEN FLOW TEST DATA

DATE 12-31-63

Operator E.L. FUNDINGSLAND	Lease SUNICAL FEDERAL 3-D
Location D - 26 - 26 - 7	County RIO ARRIBA State NEW MEXICO
Formation DAKOTA	Pool BASIN
Casing Diameter 4.50 Set At Feet 6730	Tubing Diameter 2.375 Set At Feet 6700
Pay Zone From 6550 To 6700	Total Depth 6700 Shut In
Stimulation Method	Flow Through Casing X Flow Through Tubing

Choke Size, Inches .750	Choke Constant: C 12,365
Shut-In Pressure, Casing, PSIG 2235	Shut-In Pressure, Tubing, PSIG 1734
Flowing Pressure: P PSIG 129	Working Pressure: Pw PSIG 315
Temperature: T 62 °F F _i .9981 F _g .75	Days Shut-In 2 Gravity .600 F _g 1.000

CHOKE VOLUME $Q = C \times P_i \times F_i \times F_g \times F_{pv}$

$$Q = 12,365 \times 142 \times .9981 \times 1.0000 \times 1.010 = 1758 \text{ MCF/D}$$

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

$$Aof = \left(\frac{5,049,009}{4,942,080} \right)^n$$

$$1758 \times (1.0216)^{.75} = 1758 \times 1.0162$$

$$Aof = 1786 \text{ MCF/D}$$

TESTED BY **B & R SERVICE, INC.**

WITNESSED BY

RECEIVED

JAN 29 1964

U. S. GEOLOGICAL SURVEY
MEXICO

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