

AMERICAN NATURAL GAS COMPANY OPEN FLOW TEST DATA

DATE **October 12, 1960**

Operator Delhi - Taylor Oil Corp.	Lease Delhi-Storey No. 1
Location 1090 S 990 W 33-28N-9W	County San Juan State New Mexico
Formation Dakota	Pool Undesignated
Casing Diameter 5-1/2 Set At Feet 7730	Tubing Diameter 2" Set At Feet 7620
Pay Zone From 7460 To 7660	Total Depth 7730 P/D 7690 Shot In 10-1-60
Stimulation Method Sand/Water Frac.	Flow Through Casing X Flow Through Tubing

Choke Size, Inches	Choke Constant, C
Shut-in Pressure, Casing, PSIG 12 PSIA 2003	Shut-in Pressure, Tubing, PSIG 12 PSIA 1997
Flowing Pressure, P, PSIG 12 PSIA 265	Working Pressure, Pw, PSIG 12 PSIA 653
Temperature, T, °F 72	Sp. Gr. From Tables, Gravity 1.029
.9887	.9292
0.75	
11 Days Shut-in	2009

CHOKE VOLUME $Q = C \times P_r \times F_v \times F_g \times F_{gv}$

$$Q = (12.365)(277)(.9887)(.9292)(1.029)$$

3241

MCF/D

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

$$A_{of} = \left(\frac{4,060,225}{3,618,000} \right)^n (1.1222)^{.75} (3238) = (1.0904) (3238)$$

A_{of} **3534**

MCF/D

TESTED BY **Murray Gullatt**

WITNESSED BY **Bob Nickell**



Lewis D. Galloway
Lewis D. Galloway