

OPEN FLOW TEST DATA

Date: May 18, 1956

Operator: Benson-Montin-Greer

Lease: Mc Manus #14

Location: 875N. 1015E. 33-26-8

County: San Juan State: N.M.

Formation: Pictured Cliff

Pool: Ballard

Casing: 5.5 " Set 2269 '

Tubing: 1 " Set 2345 '

Pay Zone: 2269 ' To: 2358 '

Total Depth: 2358 '

Choke Size: 0.750 "

Choke Constant = C = 14.1605

Stimulation Method: Sand water frac and shot Flow Through: Casing x Tubing

Shut-In Pressure Casing: 644 psig / 12 = 656 psia (Shut-in 41 days)

Shut-In Pressure Tubing: 644 psig / 12 = 656 psia

Flowing Pressure: P : 18 psig / 12 = 30 psia

Working Pressure: P_w : 18 psig / 12 = 30 psia

Temperature: T : 65 °F / 460 = 525 ° Absolute

F_{pv} (from tables) : 1.0000 Gravity 0.672 n 0.750

Choke Volume = $Q_c = C \times P_t \times F_t \times F_g \times F_{pv}$

$$Q_c = 14.1605 \times 30 \times .9952 \times .9463 \times 1.0000 = \underline{400} \text{ MCF/D}$$

Open Flow = Aof = Q

Aof =

$$Q = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$$

$$Q = \left[\frac{430,336}{429,436} \right]^n$$

1.00178

Aof =

401

MCF/D



Tested By: Tom Grant

Witnessed By: Virgil Stoabs

Lewis D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

REGISTRATION OFFICE

REGISTRATION NO. 3

REGISTRATION DATE

REGISTRATION FEE

REGISTRATION TAX

REGISTRATION CHARGE

REGISTRATION TOTAL

REGISTRATION RECEIPT

REGISTRATION SIGNATURE