

OPEN FLOW TEST DATA

Date: April 6, 1956

Operator: Frank A. Schultz, Jr.

Lease: Payne # 3-14X

Location: 1650'S, 660'E, Sec. 14-25-8

County: San Juan State: N.M.

Formation: Pictured Cliff

Pool: Wildcat

Casing: 5 1/2 " Set @ 2580 '

Tubing: 1 1/2 " Set @ 2596 '

Pay Zone: 2580 ' To: 2605 '

Total Depth: 2605 '

Choke Size: 0.75 " "

Choke Constant = C = 14.1605

Stimulation Method: Sand Oil Frac.

Flow Through: Casing X Tubing

Shut-In Pressure Casing: 646 psig / 12 = 650 psia (Shut-in 9 days)

Shut-In Pressure Tubing: 649 psig / 12 = 661 psia

Flowing Pressure: P : 167 psig / 12 = 179 psia

Working Pressure: P_w : 198 psig / 12 = 210 psia

Temperature: T : 58 °F / 460 = 518 ° Absolute

F_{pv} (from tables) : 1.016 Gravity .650 est. - n .85

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}

= 14.1605 x 179 x .9608 x 1.016 = 2474 MCF/D

Open Flow = Aof = Q

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

Aof = 2474

$$\left[\frac{436,921}{392,821} \right]^n$$

= 1.1123 ^{.85} = 1.0947

Aof =

2708

MCF/D

Tested By: L. D. Galloway

Witnessed By: Virgil Stoabs

cc: Benson-Montin-Greer (4)



L. D. Galloway

