

OPEN FLOW TEST DATA

Date: May 5, 1956

Operator: J. Glenn Turner Lease: Turner State # 8-16

Location: 990'S, 990'E, Sec. 16-27-9 County: San Juan State: N.M.

Formation: Pictured Cliff (Wildcat) Pool: Ballard Pictured Cliff

Casing: 5 1/2 " Set @ 2113 ' Tubing: 1 " Set @ 2167 '
 Pay Zone: 2109 ' To: 2171 ' Total Depth: 2171 '
 Choke Size: 0.75 " Choke Constant = C = 14.1605

Stimulation Method: Sand Oil Frac. Flow Through: Casing X Tubing

Shut-In Pressure Casing: 640 psig / 12 = 652 psia (Shut-in 15 days)
 Shut-In Pressure Tubing: 640 psig / 12 = 652 psia
 Flowing Pressure: P : 41 psig / 12 = 53 psia
 Working Pressure: P_w : 94 psig / 12 = 106 psia
 Temperature: T : 69 °F / 460 = 529 ° Absolute
 F_{pv} (from tables) : 1.000 Gravity .627 n 0.850

Choke Volume = Q = C x P_t x F_t x F_g x F_{pv}
 Q = 14.1605 x 53 x .9915 x .9798 x 1.000 = 729 MCF/D

Open Flow = Aof = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n$
 Aof = 729 $\left[\frac{425,104}{413,868} \right]^n$ = 729 (1.0271)^{.85} = 729 x 1.0230
 Aof = 746 MCF/D

Tested By: L. D. Galloway
 Witnessed By: Virgil Stoabs

cc: Benson-Martin-Greer (4)



L. D. Galloway
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