

Date: March 1, 1956

Lease: Stewart # 3

County: San Juan State: N.M.

Pool: Blanco

Tubing: 2 " Set 5272

Total Depth: 5330

Choke Constant = C = 14.1605

Shut-In Pressure Casing: 1039 psig / 12 = 1051 psia (Shut-in 9 days)

Shut-In Pressure Tubing: 1002 psig / 12 = 1014 psia

Flowing Pressure: P : 192 psig / 12 = 204 psia

Working Pressure: P₁ : 648 psig / 12 = 660 psia

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

F_{pv} (from tables) : 1.019 Gravity .650 est. n 75

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

$$= \frac{14.1605 \times 204 \times .9952 \times .9608}{1.019} = \frac{2815}{1.019} \text{ MCF/D}$$

$$\text{Open Flow} = A_{of} = Q$$

$$\frac{P_c^2}{P_c^2 - P_w^2}$$

Aof = 2815

$$\left[\frac{1,104,601}{669,001} \right]^n = 2815(1.651)^{.75} = 2815 \times 1.456$$

Aof =

4,099 MCF/D

Tested By: D. W. Mitchell

Witnessed By:



L. D. Galloway

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
REGISTRATION NO.	3	
EQUIPMENT		
Description		
Make		
Model		
Year		
Color		
Engine		
Transmission		
File		