

Date: May 18, 1956

Lease: Ha Sosa #1

County: San Juan State: N.M.

Pool: Ballard

Tubing: 1 " Set C 1.942 '

Total Depth: 1954

Choke Constant = C = 14.1605

Shut-In Pressure Casing: 565 psig / 12 = 577 psia (Shut-in 29 days)

Shut-In Pressure Tubing: 565 psig / 12 = 577 psia

Flowing Pressure: P : 27 psig / 12 = 39 psia

Working Pressure: P_w : 215 psig / 12 = 227 psia

Temperature: T : 66 °F / 460 = 526 ° Absolute

F_{ny} (from tables) : 1.0000 Gravity 0.672 n 0.850

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

$$= 14.1605 \times 39 \times .9943 \times .9463 \times 1.0000 = \underline{520} \text{ MCF/D}$$

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

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

$$Q \left[\frac{332,929}{281,400} \right]^n = 1.1831^{.85} = 1.1536 \times 520$$

Aof = _____ 600 MCF/D

Tested By: Tom Grant

Witnessed By: Virgil Stoabs



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 2

DISTRIBUTION

	NO COPIES	
Director		
Assistant	/	
Secretary		
Assistant Secretary		
U.S. G.S.	/	
Inspector		
File	/	✓