

OPEN FLOW TEST DATA

Date: July 12, 1956

Operator: Benson-Montin-Greer

Lease: Sheets # 3

Location: 1340'N, 895'E, Sec. 12-25-8

County: San Juan State: N.M.

Formation: Pictured Cliff

Pool: Ballard

Casing: 5 1/2 " Set 2730

Tubing: 1 1/4 " Set 2778

Pay Zone: 2687 To: 2782

Total Depth: 2782

Choke Size: 0.750 "

Choke Constant = C = 14.1605

Stimulation Method: Sand Oil Frac.

Flow Through: Casing X Tubing

Shut-In Pressure Casing: 643.6 psig / 12 = 656 psia (Shut-in 55 days)

Shut-In Pressure Tubing: 633 psig / 12 = 645 psia

Flowing Pressure: P : 124 psig / 12 = 136 psia

Working Pressure: P_w : 46 psig / 12 = 58 psia

Temperature: T : 62 °F / 460 = 522 ° Absolute

F_{pv} (from tables) : 1.013 Gravity 0.660 n 0.850

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

$$Q = 14.1605 \times 136 \times .9981 \times .9535 \times \frac{1}{1.013} = 1857 \text{ MCF/D}$$

Open Flow = Aof = Q

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

NOTE:

Aof = 1857

$$\left[\frac{430,336}{426,972} \right]^n$$

$$= 1.0079^{.85} Q = 1.0067 \times 1857$$

Aof =

1,869

MCF/D

Tested By: T. B. Grant

Witnessed By: Virgil Stoabs (Benson-Montin-Greer)

On tubing blow. Liquid to surface in 1 minute. Unloaded in 2 minutes.

cc: Benson-Montin-Greer (4)

L. D. Galloway
L. D. Galloway



OIL CONSERVATION COMMISSION		
MTEC DISTRICT OFFICE		
No. Copies Received <u>5</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Proration Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter		
File	<u>1</u>	☒