

OPEN FLOW TEST DATA

Date: May 15, 1956
 Operator: El Paso Natural Gas Company Lease: Heston #7
 Location: 967S, 878W, 29-31-11 County: San Juan State: N.M.
 Formation: Mesa Verde Pool: Blanco Mesa Verde
 Casing: 5 1/2" liner 532' @ 4429 Set @ 4510 ' Tubing: 2 " Set @ 4761 '
 Pay Zone: 4604 ' To: 4722 ' Total Depth: 4,960; c/o 4,780 '
 Choke Size: 3/4" Choke Constant = C = 14.1605
 Stimulation Method: Sand water frac Flow Through: Casing _____ Tubing X
 Shut-In Pressure Casing: 1,079 psig / 12 = 1,091 psia (Shut-in _____ days)
 Shut-In Pressure Tubing: 1,047 psig / 12 = 1,059 psia
 Flowing Pressure: P : 357 psig / 12 = 369 psia
 Working Pressure: P_w : 757 psig / 12 = 769 psia
 Temperature: T : 76° °F / 460 = 536 ° Absolute
 F_{pv} (from tables) : 1.036 Gravity 0.675(est.) n 0.75

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

$$= (14.1605)(369)(.9850)(.9427)(1.036) = \underline{5.027} \text{ MCF/D}$$

$$\text{Open Flow} = Aof = Q$$

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

$$Aof = \left[\frac{1,190,281}{598,920} \right]^n = Q (1.9874)^{.75} = Q (1.673)$$

$$Aof = \underline{8.410} \text{ MCF/D}$$

Tested By: D. C. Adams

Witnessed By: _____



L. D. Galloway
 By: D. C. Adams

INTERNATIONAL COMMISSION	
1. Name of the vessel	2
2. Date of departure	
3. Name of the captain	
4. Name of the master	/
5. Name of the crew	/
6. Name of the passengers	/
7. Name of the cargo	/
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