

OPEN FLOW TEST DATA

Date: April 20, 1956

Operator: El Paso Natural Gas Company

Lease: San Juan 28-6 # 50

Location: 1510'S, 1185'W, Sec. 19-T28N-R6W

County: Rio Arriba State: N.M.

Formation: Mesa Verde

Pool: Blanco Mesa Verde

Casing: 5 1/2 " Set @ 5727 '

Tubing: 2 " Set @ 5661 '

Pay Zone: 5008 ' To: 5655 '

Total Depth: 5715 '

Choke Size: 3/4 inch

Choke Constant = C = 14.1605

Stimulation Method: Sand Water Frac.

Flow Through: Casing _____ Tubing X

Shut-In Pressure Casing: 1040 psig / 12 = 1052 psia (Shut-in 8 days)

Shut-In Pressure Tubing: 1030 psig / 12 = 1042 psia

Flowing Pressure: P : 306 psig / 12 = 318 psia

Working Pressure: P_w : 740 psig / 12 = 752 psia

Temperature: T : 66 °F / 460 = 528 ° Absolute

F_{pv} (from tables) : 1.031 Gravity .660 est. n 0.75

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

$$Q = 14.1605 \times 318 \times \frac{.9943}{1.031} \times .9924 \times = 4581 \text{ MCF/D}$$

Open Flow = Aof = C

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

Aof = 4581

$$\left[\frac{1,100,704}{541,200} \right]^n$$

$$(2.0449)^{.75} = Q = (1.710) 4581$$

Aof =

7834

MCF/D

Tested By: D. C. Adams

Witnessed By: _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received 3

DISTRIBUTION

	NO. FURNISHED	
Operator		
Santa Fe	1	
Operation Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	