

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 17, 1956

Operator El Paso Natural Gas Company		Lease Huerfano Unit #66	
Location 1650'S, 990'E, Sec. 6-26-10		County San Juan	State New Mexico
Formation Pictured Cliff		Pool West Kutz	
Casing: Diameter 5½	Set At: Feet 2229	Tubing: Diameter 1¼	Set At: Feet 2172
Pay Zone: From 2120	To 2149	Total Depth: 2230 - c/o - 2170	
Stimulation Method Sand Water Frac		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches .750		Choke Constant: C 14.1605			
Shut-In Pressure, Casing, PSIG 388	- 12 - PSIA 400	Days Shut-In 12	Shut-In Pressure, Tubing, PSIG 388	- 12 - PSIA 400	
Flowing Pressure: P 16	- 12 - PSIA 28		Working Pressure: P _w 17	- 12 - PSIA 29	
Temperature: T 67	n = .85		F _{pv} (From Tables) 1.004	Gravity .650 est.	

CHOKE VOLUME - Q = C x P_i x F_t x F_g x F_{pv}

Q = 14.1605 x 28 x .9933 x .9608 x 1.004 = 380 MCF/D

OPEN FLOW - Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

Aof = $\left(\frac{160,000}{159,159} \right)^{.85} = (1.0053)^{.85} \times 380 = 1.0045 \times 380$

Aof 382 MCF/D

TESTED BY: K. C. McBride
WITNESSED BY: _____



L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

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