

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DUAL COMPLETION

DATE September 25, 1956

Operator El Paso Natural Gas Company		Lease Sellers # 3-A	
Location 890'S, 890'W, Sec. 30-30-10		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 7 5/8	Set At: Feet 4382	Tubing: Diameter 2	Set At: Feet 4930
Pay Zone: From 4564	To 5040	Total Depth: 5040 - c/o - 5000'	
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .750	Choke Constant: C 14.1605		
Shut-In Pressure, Casing, PSIG 652	PSIA 664	Days Shut-In 15	Shut-In Pressure, Tubing, PSIG 683
Flowing Pressure: P, PSIG 136	PSIA 148	Working Pressure: P _w , PSIG Calculated	PSIA 310
Temperature: T, °F 73	Flowing Pressure: P _w , PSIG .75	Fpv (From Tables) 1.011	Gravity .620

CHOKE VOLUME $Q = C \times P_r \times F_c \times F_g \times F_{pv}$ $C = 14.1605 \times 148 \times .9877 \times .9837 \times 1.011$

2059

MCF/D

$$\text{OPEN FLOW } A_{of} = Q \left(\frac{P_c^2}{P_w^2} \right)^n$$

$$A_{of} = \left(\frac{483,025}{386,925} \right)^{.75} \times 2059 = 1.1811 \times 2059$$

RECEIVED
OIL CON. COM.
DIST. 3

2432 MCF/D

TESTED BY

K. C. McBride

WITNESSED BY

E. C. Arnold, New Mexico Oil Conservation Commission

cc: E. J. Coel, Jr. (6)

L. D. Galloway
L. D. Galloway

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received <u>3</u>		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	<u>1</u>	
Proration Office		
State Land Office		
U. S. G. S.	<u>1</u>	
Transporter	<u>1</u>	<u>✓</u>
File		