

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE 10-9-59

Operator Benson Montin Greer	Lease Shipp No. 1
Location 790 S, 1850 E, 1-27-13	County San Juan State New Mexico
Formation Dakota	Pool Undesignated
Casing: Diameter 5 1/2" Set At: Feet 6040'	Tubing: Diameter 2" Set At: Feet 5955'
Pay Zone: From 5882' To 6017'	Total Depth 6040' c/o 6019'
Stimulation Method Sand Water Frac	Flow Through Casing Flow Through Tubing I

Choke Size, inches 0.750"	Choke Constant, C 12.365	Days Shut-in 7	Shut-in Pressure, Tubing 2084	PSIG	12	PSIA	2096	
Shut-in Pressure, Casing 2140	PSIG	12	PSIA	Working Pressure: P _w 885	PSIG	12	PSIA	897
Flowing Pressure: P 358	PSIG	12	PSIA	Flow (From Tables) 1.030	Gravity	0.631		
Temperature, T 79	Flow Constant 0.750							

CHOKE VOLUME $Q = C \times P_c \times F_c \times F_g \times F_v$

$Q = 12,365 \times 370 \times .9822 \times .9759 \times 1.030$

4517

MCF/D

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

$A_{of} = \left(\frac{4,631,104}{3,826,495} \right)^n$

$(1.2102)^{.75} \times 4517 = 1.1539 \times 4517$

$A_{of} = 5212$ MCF/D



TESTED BY Tom Grant (EPNG)

WITNESSED BY Virgil Stoabs (BMG)

Lewis D. Galloway
L.D. Galloway

WILDLIFE CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Received

DISPOSITION

	NO. RECEIVED	
State		
State Dept.	/	
Protection Office		
State Land Office		
U. S. G. S.	/	
Transporter		
File	/	✓