

OLD WELL WORKED OVER

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE August 14, 1956

Operator El Paso Natural Gas Company		Lease San Juan 32-9 Unit # 7	
Location 990'S, 990'W, Sec. 32-32-9		County San Juan	State New Mexico
Field Mesa Verde		Pool Blanco	
Casing Diameter 5½ liner	Set At: Feet 5410 - 6083	Tubing Diameter 2"	Set At: Feet 6046
Flow Zone Feet 5933	To 6048	Total Depth 6100 - c/o - 6050	
Stimulation Method Sand Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, inches .750		Choke Constant, C 14.1605		Old Well Worked Over	
Shut-In Pressure, Casing 919	PSIG	12	PSIA	Shut-In Pressure, Tubing 919	PSIG
Flowing Pressure, Casing 268	PSIG	12	PSIA	Working Pressure, Pw 650	PSIG
				Fpv (From Tables) 1.024	Gravity .656

$$Q = C \times P_1 \times F_1 \times F_g \times F_{av}$$

$$Q = 14.1605 \times 280 \times .9859 \times .9571 \times 1.024 = 3831 \text{ MCF/D}$$

$$\text{OPEN FLOW } Q_{act} = \left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$$

$$\left(\frac{866,761}{428,517} \right)^n (2.0226)^{.75} \times 3831 = 1.696 \times 3831$$

$$Q_{act} = 6497 \text{ MCF/D}$$

K. C. McBride



L. D. Galloway
L. D. Galloway
by L. C. McBride

OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Returned	3	
DISPOSITION		
Operator		
State Land Office	/	
U. S. G. S.	/	
Transporter		
File	/	✓