

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATAWELL COMPLETIONDATE January 29, 1958

Operator El Paso Natural Gas Company		Lease San Juan 28-7 Unit No. 94 (P)	
Location 800'S, 1850'W, Sec. 30-28-7		County Rio Arriba	State New Mexico
Formation Pictured Cliffs		Pool Undesignated	
Casing: Diameter 7-5/8	Set At: Feet 2612	Tubing: Diameter 1-1/4	Set At: Feet 2537
Pay Zone: From 2470	To 2540	Total Depth: 4893 - c/o 4840	
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, Inches 0.750		Choke Constant: C 12.365		5-1/2" liner. 2482 - 4887	
Shut-In Pressure, Casing, PSIG 999 PC	+ 12 = PSIA 1011	Days Shut-In 17	Shut-In Pressure, Tubing PSIG 999 PC	+ 12 = PSIA 1011	
Flowing Pressure: P PSIG 28	+ 12 = PSIA 40		Working Pressure: P _w PSIG 33	+ 12 = PSIA 45	
Temperature: T °F 56	n = 0.85		F _{pv} (From Tables) 1.003	Gravity .604	

Initial SIPT (MV) - 1055 psig; final - 1050 psig. 2" at 4726. Packer at 2618

CHOKE VOLUME = Q = C × P_i × F_i × F_g × F_{pv}

$$Q = 12.365 \times 40 \times 1.0039 \times 1.000 \times 1.003 = 498 \text{ MCF/D}$$

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

$$Aof = \left(\frac{1,022,121}{1,020,096} \right)^n = 1.0019^{.85} \times 498 = 1.0016 \times 498$$

$$Aof = 499 \text{ MCF/D}$$

TESTED BY S. V. Roberts

WITNESSED BY _____

cc: E. S. Oberly (6)



L. D. Gallaway
L. D. Gallaway

OIL CONSERVATION COMMISSION

AZTEC DISTRICT OFFICE

No. Copies Received

3

DISTRICT OFFICE

Operator

Santa Fe

/

Proration Office

State Land Office

U. S. & S.

/

Transporter

File

/

✓