

OPEN FLOW TEST DATA

DATE August 21, 1963

Operator E. L. Fundingsland		Well Senical 2-D	
Location 890/N & 790/E Sec. 19, T26N, R7W		County San Juan	State New Mexico
Formation Dakota		Reservoir Basin Dakota	
Casing Diameter 4 1/2	Setting Depth 6681	Tubing Diameter 2-3/8	Set At Feet 6650
Pay Zone: From 6440	To 6676	Total Depth 6682	Shut In 7 days
Stimulation Method Sand - Water Frac		Flow Through Casing	Flow Through Tubing

Choke Size, Inches 0.750	Choke Constant, C 12.365	Days Shut-in 7	Shut-in Pressure, Tubing 2160	PSIG 2172	12 PSIA 856
Shut-in Pressure, Casing 2276	PSIG 2288	12 PSIA 150	Working Pressure, P _w 844	PSIG 856	12 PSIA 856
Flowing Pressure: P 138	PSIG 150	12 PSIA 150	Epv (From Tables) 1.010	Gravity .615	Eg .9877
Temperature: T 53 °F	F 1.0078	.75			

CHOKE VOLUME = Q = C x P_c x F_c x F_g x F_{pv}

Q =

1864

MCF/D

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

$$\text{Aof} = \left(\frac{5,234,944}{4,502,208} \right)^n = 1864 \times 1.1197$$

Aof = 2087

MCF/D

By Cole

Checked by

J. A. Cole