

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE July 28, 1960

Operator El Paso Natural Gas Company		Lease Jicarilla Tract No. 32 Indian 1-K	
Location 16208, 1840W; 24-28-3		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Wildcat	
Casing: Diameter 5-1/2	Set At: Feet 6148	Tubing: Diameter 2"	Set At: Feet 6078
Pay Zone: From 5966	To 6088	Total Depth: 6148	Shut-In 2/8/56
Stimulation Method Water Frac.		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .75		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 1616	PSIA 1628	Days Shut-In 1632	Shut-In Pressure, Tubing, PSIG 507	PSIA 519	
Flowing Pressure: P, PSIG 140	PSIA 152		Working Pressure: Pw, PSIG 427	PSIA 439	
Temperature: T 67			Fpv (From Tables) 1.012	Gravity .600	Fg= 1.0000
Ft= .9933		.75			

CHOKE VOLUME = $Q = C \times P_r \times F \times F_g \times F_{pv}$ $Q = 12.365 \times 152 \times .9933 \times 1.0000 \times 1.012 = 1889$ MCF/D

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

$$Aof = \left(\frac{2650384}{2457663} \right)^n$$

$$1889 \times 1.0784^{.85} = 1889 \times 1.0582$$

Aof 1999 MCF/D

Re-potential test - last test run on Feb. 8, 1956 with following results:
SIPC 1408 psig, SIPT 1408 psig
Initial potential 1005 MCF/D, two inch tubing, three hours.

Low tb. press. due to being loaded with water.

TESTED BY C. R. Wagner

WITNESSED BY _____

Checked By W. D. Dawson

Lewis D. Galloway
L. D. Galloway

