

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE June 17, 1977

Operator Northwest Production Corporation		Lease Jicarilla 119N #7A	
Location SE 8-26-04		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4 1/2	Set At: Feet 5995	Tubing: Diameter 2 3/8	Set At: Feet 5961
Pay Zone: From 5150	To 5968	Total Depth: 5995	Shut In 5-1-77
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Plate		Meter	
Choke Size, Inches 2.500	M.R. 4.00	Choke Constant: C 32.64	Test through 3/4 variable choke
Shut-In Pressure, Casing, PSIG 1140	+ 12 = PSIA 1152	Days Shut-In 46	Shut-In Pressure, Tubing PSIG 1120
Flowing Pressure: P MR 43 WH 230	+ 12 = PSIA MR 55 WH 242	Working Pressure: P _w PSIG 675	+ 12 = PSIA 687
Temperature: T = 58 °F	n = .75	Fpv (From Tables) 1.004	Gravity .687 Fg = 1.2065

$$\text{CHOKE VOLUME} = Q = C \times P_t \times F_t \times F_g \times F_{pv}$$

$$Q = \text{Calc. from meter readings.}$$

$$= 1766 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1327104}{855135} \right)^n = 1766(1.5519)^{.75} = 1766(1.3904)$$

$$Aof = 2455 \text{ MCF/D}$$

Note: Well did not produce any oil during test and vented 262 MCF of gas during test.

TESTED BY D. Howell

WITNESSED BY

E. R. [Signature]
Well Test Engineer

