

OPEN FLOW TEST DATA

DATE August 26, 1976

Operator Northwest Production		Lease Jicarilla 117E #2-A	
Location SE 33-26N-3W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 6500'	Tubing: Diameter 2 3/8"	Set At: Feet
Pay Zone: From 5630'	To 6365'	Total Depth: PBTD 6500' 6483	Shut In 8-17-76
Stimulation Method Sandwater Frac		Flow Through Casing XX	Flow Through Tubing

Meter Choke Size, Inches 4" MR 2.500" plate		Meter Choke Constant: C 32.64		Well tested thru 3/4" variable choke	
Shut-In Pressure, Casing, PSIG 1210	+ 12 = PSIA 1222	Days Shut-In 8	Shut-In Pressure, Tubing PSIG 449	+ 12 = PSIA 461	
Flowing Pressure: P 1 MR 4 WH PSIG	+ 12 = PSIA 13 MR 16 WH		Working Pressure: P _w PSIG 128	+ 12 = PSIA 140	
Temperature: T = 84 °F	Ft = .9777	n = .75	Fpv (From Tables) 1.003	Gravity .687	Fg = .9346

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

$$Q = \text{Calculated from orifice meter readings} = 54 \text{ MCF/D}$$

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

$$Aof = Q \left(\frac{1493284}{1473684} \right)^n = 54(1.0133)^{.75} = 54(1.0010)$$

$$Aof = 55 \text{ MCF/D}$$

Note: Well would not produce thru tubing and did not make any liquids during test. Gas vented 18 MCF to atmosphere.

TESTED BY Rhames & Norton

WITNESSED BY

C. R. Wagner
Well Test Engineer

