

MESA PETROLEUM COMPANY
OPEN FLOW TEST DATA

DATE July 3, 1978

Operator Mesa Petroleum Corp.		Lease Decker Primo #1-A	
Location SE 19-32N-10W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 5397'	Tubing: Diameter 2 3/8	Set At: Feet 5209'
Pay Zone: From 5126	To 5328	Total Depth: 5397	Shut In 6-26-78
Stimulation Method Sandwater Frac		Flow Through Casing	Flow Through Tubing XX

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 658	+ 12 = PSIA 670	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 657	+ 12 = PSIA 669	
Flowing Pressure: P PSIG 227	+ 12 = PSIA 239		Working Pressure: P _w PSIG 567	+ 12 = PSIA 579	
Temperature: T = 84 °F	F _t = .9777	n = .75	F _{pv} (From Tables) 1.020	Gravity .650	F _g = .9608

CHOKE VOLUME = Q = C × P_t × F_t × F_g × F_{pv}

Q = 12.365 (239) (.9777) (.9608) (1.020) = 2832 MCF/D

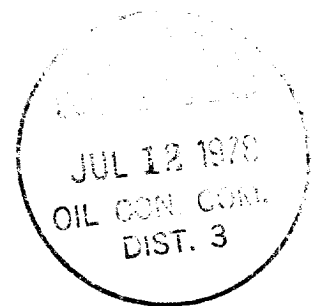
OPEN FLOW = Aof = Q $\left(\frac{P_c^2}{P_c^2 - P_w^2} \right)^n$

Aof = Q $\left(\frac{448900}{113659} \right)^n = (3.9495)^{.75} = (2832) = (2.8016) (2832)$

Aof = 7934 MCF/D

TESTED BY D. Green- Mesa Petroleum Corp.

WITNESSED BY C.R. Wagner- EPNG



C.R. Wagner
Well Test Engineer