

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATADATE February 8, 1967

Operator El Paso Natural Gas Company		Lease Delhi Com No. 1 (OWWO)	
Location 1650'S, 1650'W, Sec. 16, T-30-N, R-8-W		County San Juan	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing: Diameter 4.500	Set At: Feet 4947	Tubing: Diameter 2.375	Set At: Feet 4720
Pay Zone: From 4220	To 4756	Total Depth: 4953	Shut In 2-1-67
Stimulation Method Sand Water Frac		Flow Through Casing	Flow Through Tubing X

Choke Size, Inches .750		Choke Constant: C 12.365			
Shut-In Pressure, Casing, PSIG 771	+ 12 = PSIA 783	Days Shut-In 7	Shut-In Pressure, Tubing PSIG 541	+ 12 = PSIA 553	
Flowing Pressure: P PSIG 198	+ 12 = PSIA 210		Working Pressure: Pw PSIG 640	+ 12 = PSIA 652	
Temperature: T = 83 °F	Ft = .9786	n = .75	Fpv (From Tables) 1.023	Gravity .750	Fg = .8944

$$\text{CHOKE VOLUME} = Q = C \times P_r \times F_r \times F_g \times F_{pv}$$

$$Q = 12.365(210)(.9786)(.8944)(1.023) = \underline{2325} \text{ MCF/D}$$

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

$$Aof = \left(\frac{613089}{187985} \right)^n = (3.2613)^{.75} (2325) = (2.4268)(2325)$$

NOTE: After 2 min. unloaded large slug of water
blew heavy water fog for remainder of test.

$$Aof = \underline{5642} \text{ MCF/D}$$

TESTED BY J. B. Goodwin

CHECKED

WITNESSED BY A. J. Loleit

H. L. Kendrick
H. L. Kendrick

WORKED OVER WELL NOTICE

Form 23-202 (8-60)

The attached Initial Potential Test was made on this well after workover. This test signifies the completion of the workover, and the well is now ready for reconnection and production into the gathering system.

H.L. Kendrick

Sr. Gas Engineer