

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

Harwood

DATE August 16, 1962

Operator El Paso Natural Gas Company		Lease Whitley "B" No. 4	
Location 940S, 1750W, Sec. 28, T-30N, R-7W		County Rio Arriba	State New Mexico
Formation Mesa Verde		Pool Blanco	
Casing Diameter 2.875	Set At: Feet 5511	Tubing Diameter No Tubing	Set At: Feet ----
Play Zone: From 4960	To 5448	Total Depth: 5520	Shut In 7-28-62
Stimulation Method Sand Water Frac.		Flow Through Casing X	Flow Through Tubing

Choke Size, inches .75		Choke Constant: C 12.365		Tubingless Completion	
Shut-In Pressure, Casing, PSIG 825	PSIA 837	Days Shut-in 19	Shut-In Pressure, Tubing, PSIG No Tubing	PSIA ----	
Working Pressure: P _w , PSIG 254	PSIA 266		Working Pressure: P _w , PSIG (Calc.) 369	PSIA ----	
Temperature 74	F _g .9868		F _g (From Tables) 1.024	Gravity .650	F _g .9608

CHOKE VOLUME $Q = C \times P_1 \times F_1 \times F_2 \times F_{av}$

$Q = (12.365)(266)(.9868)(.9608)(1.024)$

3193

MCF/D

OPEN FLOW $Q = \left(\frac{P_1^2 - P_2^2}{P_1^2 - P_w^2} \right)^n$

$Q = \left(\frac{700.569 - 561.108}{700.569 - 254} \right)^n (3193)(1.2112)^{.75} = (3193)(1.1760)$

Asf 3755

MCF/D

D. E. Mortensen

W. D. Dawson

Calculated by: W. D. Dawson



Lewis D. Galloway
Lewis D. Galloway