EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DATE February 1, 1964

Operator: El Paso Natural Gas Company		Lease: Turner Hughes No. 15 (DK)	
Location: 1190'N, 800'E, Sec. 3, T-27-N, R-9-W		County: San Juan	State: New Mexico
Formation: Dakota		Pool: Basin	
Casing: Diameter: 4.500	Set At: Feet: 6918	Tubing: Diameter: 2.0625	Set At: Feet: 6617
Pay Zone: From: 6700	To: 6816	Total Depth: 6921	Shut In: 1-25-64
Stimulation Method: Sand/Water Frac.		Flow Through Casing	Flow Through Tubing: X

Choke Size, Inches: 0.750		Choke Constant: 12.365		Set Baker Model "D" Packer at 4875'.		
Shut-in Pressure, Casing: 885 (MV)	PSIG + 12 = PSIA:	897	Days Shut-in: 7	Shut-in Pressure, Tubing: 2186 (DK)	PSIG + 12 = PSIA:	2198
Flowing Pressure: P	PSIG + 12 = PSIA:	410		Working Pressure: Pw	PSIG + 12 = PSIA:	1161
Temperature: T 73	Fpv: .9877	.75		Fpv (From Tables): 1.052	Gravity: 0.730 Fg	.9066

Initial SIPT (MV) = 884 psig
Final SIPC (MV) = 891 psig

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

Q = (12.365)(410)(.9877)(.9066)(1.052) = 4776 MCF D

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

Aof = $\left(\frac{4,831,204}{3,483,283} \right)^n$ $(4776)(1.3869)^{.75} = (4776)(1.2780)$

NOTE: Well produced a heavy spray of water and distillate throughout the test.

Aof 6104 MCF D

TESTED BY: H. E. McAnally

Checked by: H. L. Kendrick

RECEIVED
FEB 4 1964
OIL CON. COM.
DIST. 3

Lewis D. Galloway

Lewis D. Galloway