El Paso Natural Gas Company

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

FORM 23-75R (REV. 1-63)

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DUAL COMPLETION — DATE December 9, 1965

Operator: El Paso Natural Gas Company		Lease: San Juan 27-5 Unit No. 8 (MV) (OWWO)	
Location: 1650'S, 1090'W, Section 32, T-27-N, R-5-W		County: Rio Arriba	State: New Mexico
Formation: Mesa Verde		Pool: Blanco	
Casing: Diameter: 5.500	Set At: Feet: 5645	Tubing: Diameter: 2.375	Set At: Feet: 5474
Pay Zone: From: 5416	To: 5496	Total Depth: 5645	Shut In: 12-2-65
Stimulation Method: Sand Water Frac		Flow Through Casing:	Flow Through Tubing: X

Choke Size, Inches: .750		Choke Constant: C: 12.365		Baker Model "D" Packer Set at 3273'.	
Shut-In Pressure, Casing, PSIG (PC): 741	+ 12 = PSIA: 753	Days Shut-In: 7	Shut-In Pressure, Tubing PSIG (MV): 839	+ 12 = PSIA: 851	
Flowing Pressure: P PSIG: 246	+ 12 = PSIA: 258		Working Pressure: Pw PSIG (Calc):	+ 12 = PSIA: 513	
Temperature: T= 63 °F	Ft= .9971	n = .75	Fpv (From Tables): 1.029	Gravity: .690	Fg = .9325

Initial SIPT (PC) = 741 PSIG
Final SIPC (PC) = 744 PSIG

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

$Q = (12.365)\ (258)\ (.9971)\ (.9325)\ (1.029) =$ 3,052 MCF/D

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

$Aof = \left(\frac{724,201}{461,032} \right)^n = (3,052)\ (1.5708)^{.75} = (3,052)\ (1.4035)$

NOTE: Blew a light fog of light hydrocarbons throughout test.

Aof = 4,283 MCF/D

TESTED BY R. Headrick

CHECKED BY ~~WITNESSED BY~~ Tom B. Grant

RECEIVED
DEC 21 1965
OIL CON. COM.
DIST. 3

Lewis D. Galloway

Lewis D. Galloway