EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

DUAL COMPLETION

DATE November 22, 1961

Operator: El Paso Natural Gas Company	Lease: Mudge No. 11 (MV) (CWDD)
Location: 795'S, 795'W, Sec. 10-31-11	County: San Juan; State: New Mexico
Formation: Mesa Verde	Pool: Blanco
Casing Diameter: 5-1/2; Set At: Feet: 5195	Tubing Diameter: 1-1/4; Set At: Feet: 4982
Perforations: 4972; To: 5064	Total Depth: 7389 C/O 7385; Completed: 10-31-61
Stimulation Method: Sand/Water Frac.	Flow Through Casing: X; Flow Through Tubing:

Choke Size, Inches: 0.750		Choke Constant: 12.365		Baker Model "D" Pkr. at 5093.	
Shut-in Pressure, Casing: 782 (MV) PSIG	12 PSIA: 794	Days Shut-in: 22	Shut-in Pressure, Tubing: 785 (MV) PSIG	12 PSIA: 797	
Flowing Pressure, P: 415 PSIG	12 PSIA: 427		Working Pressure, Pw: 477 PSIG	12 PSIA: 489	
Temp. °F: 79	Fg: .9822	Fpv: .75	Flow Rate Factor: 1.038	Gas Gr.: .655	Fg: .9571

Initial SIPT (DK) = 2078 psig
Final SIPT (DK) = 2095 psig

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

$$= (12.365)(427)(.9822)(.9571)(1.038) \qquad 5152 \text{ MCF D}$$

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

$$\left(\frac{635{,}209}{396{,}088}\right)^n \qquad (1.6037)^{.75}(5152) = (1.4250)(5152)$$

$$AOF = 7342 \text{ MCF D}$$

RECEIVED
NOV 27 1961
OIL CON. COM.
DIST. 3

NOTE: Blew light fog of H_2O entire test.

Jesse B. Goodwin

Checked by: C. R. Wagner

Lewis D. Galloway

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