

EL PASO NATURAL GAS COMPANY  
**OPEN FLOW TEST DATA**

DATE September 30, 1965

Operator <b>El Paso Natural Gas Company</b>	Lease <b>Huerfanito Unit No. 84</b>
Location <b>1650'S, 1650'W. Sec. 33, T-27-N, R-9-W</b>	County <b>San Juan</b> State <b>New Mexico</b>
Formation <b>Dakota</b>	Pool <b>Basin</b>
Casing: Diameter <b>4.500</b> Set At: Feet <b>6935</b>	Tubing: Diameter <b>2.375</b> Set At: Feet <b>6813</b>
Pay Zone: From <b>6664</b> To <b>6831</b>	Total Depth: <b>6935</b> Shut In <b>9-23-65</b>
Stimulation Method <b>Sand Water Frac</b>	Flow Through Casing <b>X</b> Flow Through Tubing <b>X</b>

<del>Orifice</del> Meter <b>2-1/2" Plate 4" M.R.</b>	<del>Orifice</del> Meter <b>Constant</b>
Shut-In Pressure, Casing, PSIG <b>2013</b>	Shut-In Pressure, Tubing PSIG <b>1890</b>
Flowing Pressure: P Meter-96: W.H.-248 PSIG <b>2025</b>	Working Pressure: P <sub>w</sub> Meter-108: W.H.-260 PSIG <b>742</b>
Temperature: T <b>74</b> F Fr <b>.9868</b>	F <sub>pv</sub> (From Tables) <b>1.010</b> Gravity <b>.700</b> F <sub>g</sub> <b>1.1952</b>
PSIA <b>12</b> PSIA <b>2025</b> Days Shut-in <b>7</b>	PSIA <b>12</b> PSIA <b>1902</b>

CHOKE VOLUME  $Q = C \times P_c \times F_c \times F_g \times F_{pv}$

Q - Calculated from Orifice Meter reading **2548** MCF/D

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

Aof  $\left( \frac{4,100,625}{3,532,109} \right)^n = (2548) (1.1609)^{.75} = (2548) (1.1183)$

NOTE: Well produced 35 bbls of light oil during test

Aof **2849** MCF/D

TESTED BY **W. D. Dawson - D. R. Roberts**  
 CHECKED BY **Tom B. Grant**



*Lewis D. Galloway*  
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