

EL PASO NATURAL GAS COMPANY
OPEN FLOW TEST DATA

DATE July 6, 1962

Owner El Paso Natural Gas Company	Lease Rincon No. 171
Location 890'S, 1140'W, Sec. 21-27-6	County Rio Arriba
State Dakota	State New Mexico
Well Name 4.5	Basin Basin
Set At Feet 7710	Tubing Diameter 2.375
To 7626	Total Depth 7710
Flow Through Casing Sand/Water Frac.	Flow Through Tubing X

Well Size, in. ID 3.75	Well Depth, in. ID 12.365	Days Open 7	Grubbing Pressure, Tubing 2477	PSIG - 12 PSIA 2489
Grubbing Pressure, Casing 2371	Grubbing Pressure, Casing 2390	Grubbing Pressure, Casing 359	Working Pressure, FW 938	PSIG - 12 PSIA 950
Grubbing Pressure, Casing 347	Grubbing Pressure, Casing 359	Grubbing Pressure, Casing 359	Flow From Tables 1.032	Gravit. 950
Grubbing Pressure, Casing 32	Grubbing Pressure, Casing .9795	Grubbing Pressure, Casing .75	Grubbing Pressure, Casing 1.032	Gravit. .668
Grubbing Pressure, Casing 32	Grubbing Pressure, Casing .9795	Grubbing Pressure, Casing .75	Grubbing Pressure, Casing 1.032	Gravit. .668

Flow Rate, MCF/D = $Q \times P_1 \times F_1 \times F_2 \times F_3$

$$Q = (12.365)(359)(.9795)(.9498)(1.032)$$

4262 MCF/D

$$Q = \left(\frac{P_1}{P_2} \right)^n$$

$$\left(\frac{6195121}{5292621} \right)^n$$

$$(1.1705)^{.75}(4262) = (1.1253)(4262)$$

4706

MCF/D

Don Mortensen

Checked by: C. R. Wagner

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