

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool Ballard Pictured Cliff Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease Huerfano Well No. 50
Unit H Sec. 22 Twp. 26N Rge. 9W Pay Zone: From 1965 To 2025
Casing: OD 7" WT. 20# Set At 1965 Tubing: OD 1 1/2 WT. 2.3# T. Perf. 1972
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated .670
Date of Flow Test: From 4-30-56 To 5-8-56 * Date S.I.P. Measured 2-16-56
Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Taps _____

OBSERVED DATA

Flowing casing pressure (Dwt) _____ psig + 12 = _____ psia (a)
Flowing tubing pressure (Dwt) _____ psig + 12 = _____ psia (b)
Flowing meter pressure (Dwt) _____ psig + 12 = _____ psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken):
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (_____)² x spring constant _____ = _____ psia (d)
Meter error (c) - (d) or (d) - (c) _____ ± _____ = _____ psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing; (a) - (c) Flow through casing _____ = _____ psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.50)² x sp. const. 500 _____ = 281 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 281 psia (h)
P_t = (h) + (f) _____ = 281 psia (i)
Wellhead casing shut-in pressure (Dwt) 622 _____ psig + 12 = 634 psia (j)
Wellhead tubing shut-in pressure (Dwt) 622 _____ psig + 12 = 634 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 634 psia (l)
Flowing Temp. (Meter Run) 64 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 317 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{\text{(Integrated)}}{\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)} = \frac{1193}{1} = 1193 \text{ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{1193}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n} = 1193 \frac{1}{\left[\frac{301,467}{322,995} \right]^{.9333}} = 1125 \text{ MCF/day}$$

SUMMARY

P _c = <u>634</u>	psia	Company <u>El Paso Natural Gas Company</u>
Q = <u>1193</u>	Mcf/day	By <u>Lewis D. Galloway</u>
P _w = <u>281</u>	psia	Title _____
P _d = <u>317</u>	psia	Witnessed by _____
D = <u>1125</u>	Mcf/day	Company _____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction Negligible			

D @ 250 = 1225

OK





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