

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 South Blanco PC Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Rincon Unit Well No. 94
Unit M Sec. 12 Twp. 26 Rge. 7 Pay Zone: From 2756 To 2794
Casing: OD 5-1/2 WT. 15.5 Set At 2845 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2734
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .671 Estimated _____
Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 3-8-57 (18 days)
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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.15) ² x sp. const. 5 = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 256 psia (h)
P_t = (h) + (f) = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) 827 psig + 12 = 839 psia (j)
Wellhead tubing shut-in pressure (Dwt) 827 psig + 12 = 839 psia (k)
P_c = (j) or (k) whichever well flowed through = 839 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 = 517 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 420 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____}} \right)^* = \underline{899} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 899 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{.9140}{.9264} = \underline{833} \text{ MCF/da.}$

SUMMARY

P_c = 839 psia
Q = 899 Mcf/day
P_w = 356 psia
P_d = 420 psia
D = 833 Mcf/day

Company El Paso Natural Gas
By J. R. Hendrick
Title _____
Witnessed by _____
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
1835	.125	489.870	61,234	65,536	126,770	356

D at 250 = 895



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