

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)

72-206

Pool Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Rincon Well No. 102
Unit M Sec. 11 Twp. 26 Rge. 7 Pay Zone: From 4940 To 5160
Casing: OD 5-1/2 WT. 15-1/2 Set At 5208 Tubing: OD 2" WT. 4.7 T. Perf. 5139
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 726 Estimated _____
Date of Flow Test: From 10/15/58 To 10/22/58 * Date S.I.P. Measured 6- 17-58 (43 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:
(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 (6.95)² x sp. const. 10 = 483 psia (g)
Corrected seven day avge. meter press. (pf) (g) + (e) _____ = 483 psia (h)
 $P_t = (h) + (f)$ _____ = 483 psia (i)
Wellhead casing shut-in pressure (Dwt) 1079 psig + 12 = 1091 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1079 psig + 12 = 1091 psia (k)
 $P_c = (j) \text{ or } (k) \text{ whichever well flowed through}$ _____ = 1091 psia (l)
Flowing Temp. (Meter Run) 69 °F + 460 _____ = 529 °Abs (m)
 $P_d = \frac{1}{2} P_c = \frac{1}{2} (l)$ _____ = 546 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{631} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 631 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{892165}{948614} \right]^n \frac{.9404}{.9550} = \text{603} \text{ MCF/da.}$

SUMMARY

$P_c =$ 1091 psia Company El Paso Natural Gas
 $Q =$ 631 Mcf/day By Original signed
 $P_w =$ 492 psia Title _____
 $P_d =$ 546 psia Witnessed by Harold L. Kendrick
 $D =$ 603 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
3731	.238	35.200	8,378	233,289	241,667	492

D at 500 = 617



1. The first part of the report is a summary of the work done during the year.

2. The second part is a detailed account of the work done during the year.

3. The third part is a summary of the work done during the year.

4. The fourth part is a summary of the work done during the year.

5. The fifth part is a summary of the work done during the year.

6. The sixth part is a summary of the work done during the year.

7. The seventh part is a summary of the work done during the year.

8. The eighth part is a summary of the work done during the year.

9. The ninth part is a summary of the work done during the year.

10. The tenth part is a summary of the work done during the year.

11. The eleventh part is a summary of the work done during the year.

12. The twelfth part is a summary of the work done during the year.

13. The thirteenth part is a summary of the work done during the year.

14. The fourteenth part is a summary of the work done during the year.

15. The fifteenth part is a summary of the work done during the year.

