

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)

73-221-00

Pool North Blanco Formation Pictured Cliffs County Bio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Rincon Unit Well No. 187
Unit 0 Sec. 25 Twp. 27N Rge. 6W Pay Zone: From 3329 To 3383
Casing: OD. 5.5 WT. 15.5 Set At 5422 Tubing: OD. 1.25 WT. 2.4 T. Perf. 3371
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .69 Estimated _____
Date of Flow Test: From 10/21/58 To 10/30/58 * Date S.I.P. Measured 6/27/51 (14 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 (7.30) ² x sp. const. 5 = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 1060 psig + 12 = 1072 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1061 psig + 12 = 1073 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1073 psia (l)
Flowing Temp. (Meter Run) 55 °F + 460 _____ = 519 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 537 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{225}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 225 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{185}$ MCF/day
362960
1083313
7965
8245

SUMMARY

P_c = 1073 psia
Q = 225 Mcf/day
P_w = 1061 psia
P_d = 537 psia
D = 185 Mcf/day

Company El Paso Natural Gas
Original Signed _____
By _____
Title Harold L. Kendrick
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
<u>2188</u>	<u>.147</u>	<u>30,692</u>	<u>4512</u>	<u>63704</u>	<u>68216</u>	<u>211</u>

II at 250 = 224

