

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)

72-136-01

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

Operator El Paso Natural Gas Lease Florance Well No. 9-D (M)
Unit M Sec. 17 Twp. 27 Rge. 8 Pay Zone: From 5146 To 5177
Casing: OD 7-5/8 WT. 26.4 Set At 4916 Tubing: OD 2 WT. 4.7 T. Perf. 5245
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .730 Estimated _____
Date of Flow Test: From 9/7/58 To 9/15/58 * Date S.I.P. Measured 5/15/58
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 (7.00) ² x sp. const. 10 = 490 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 490 psia (h)
P_t = (h) + (f) _____ = 490 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1064 psig + 12 = 1076 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1076 psia (l)
Flowing Temp. (Meter Run) _____ 83 °F + 460 _____ = 543 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 538 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{1033}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 1033 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1010}$ MCF/day.
 $\frac{868332}{894756} \cdot \frac{.9704}{.9777}$

SUMMARY

P_c = 1076 psia
Q = 1033 Mcf/day
P_w = 513 psia
P_d = 538 psia
D = 1010 Mcf/day

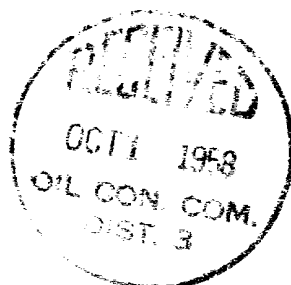
Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
Witnessed by _____
Company _____

- * 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
3827	.243	94.323	22,920	240,100	263,020	513

D at 500 = 1014



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