

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)

72-254

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

Operator El Paso Natural Gas Lease San Juan 32-9 Well No. 61
Unit M Sec. 36 Twp. 32 Rge. 9 Pay Zone: From 5754 To 5924
Casing: OD 5-1/2 WT. 15.5 Set At 6013 Tubing: OD 2 WT. 4.7 T. Perf. 5951
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 590 Estimated _____
Date of Flow Test: From 11/29/58 To 12/7/58 * Date S.I.P. Measured 8/1/58 (14)
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 7.05 _____ psig + 12 = 497 _____ psia (g)
Square root chart average reading (_____) ² x sp. const. 10 _____ = 497 _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 497 _____ psia (h)
P_t = (h) + (f) _____ = 1159 _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 1147 _____ psig + 12 = 1151 _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1139 _____ psig + 12 = 1151 _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1151 _____ psia (l)
Flowing Temp. (Meter Run) 65 °F + 460 _____ = 525 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 576 _____ psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{570} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 570 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{993025} \text{ } \underline{1071390} \text{ } \underline{.9269} \text{ } \underline{.9446} = \underline{538} \text{ MCF/da.}$

SUMMARY

P_c = 1151 _____ psia
Q = 570 _____ Mcf/day
P_w = 576 _____ psia
P_d = 538 _____ psia
D = _____ _____ 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
3511	.225	28.719	6,462	247,009	253471	503

D at 500 = 564



