

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 Blanco Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease San Juan 32-9 Unit Well No. 42
Unit A Sec. 6 Twp. 31 Rge. 9 Pay Zone: From 5348 To 5886
Casing: OD 5 1/2 WT. 15.5 Set At 5946 Tubing: OD 2 WT. 4.7 T. Perf. 5839
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 680 Estimated _____
Date of Flow Test: From 10/9/56 To 10/17/56 * Date S.I.P. Measured 7/5/56
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. 10 _____ = 533 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 533 psia (h)
P_t = (h) + (f) _____ = 533 psia (i)
Wellhead casing shut-in pressure (Dwt) 989 psig + 12 = 1001 psia (j)
Wellhead tubing shut-in pressure (Dwt) 989 psig + 12 = 1001 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1001 psia (l)
Flowing Temp. (Meter Run) 93 °F + 460 _____ = 553 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 501 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{1926} MCF/da
(integrated)$

DELIVERABILITY CALCULATION

D = Q 1926 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{2183} MCF/da.
751,000 1.1815
635,609 1.1332$

SUMMARY

P_c = 1001 psia
Q = 1926 Mcf/day
P_w = 685 psia
P_d = 501 psia
D = 2183 Mcf/day

Company El Paso Natural Gas Company
By J. D. Galloway
Title _____
Witnessed by _____
Company _____

* This is date of completion test.
* Meter error correction factor

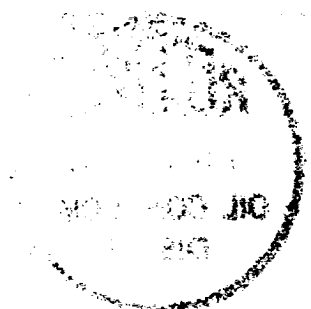
REMARKS OR FRICTION CALCULATIONS

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
<u>3971</u>	<u>.251</u>	<u>327,900</u>	<u>82,303</u>	<u>284,009</u>	<u>366,392</u>	<u>685</u>

1001 - 501 = 1970

OK





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