

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 Mesa Verde 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 Unit Well No. 50
Unit A Sec. 25 Twp. 32 Rge. 10 Pay Zone: From 5422 To 5916
Casing: OD 5-1/2 WT. 15.5 Set At 5963 Tubing: OD 2 WT. 4.7 T. Perf. 5885
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .654 Estimated _____
Date of Flow Test: From 1/8/58 To 1/16/58 * Date S.I.P. Measured 8.19/57 (11 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. 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) 972 psig + 12 = 984 psia (j)
Wellhead tubing shut-in pressure (Dwt) 976 psig + 12 = 988 psia (k)
P_c = (j) or (k) whichever well flowed through = 988 psia (l)
Flowing Temp. (Meter Run) 68 °F + 460 = 528 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 494 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{787} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 787 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{732,108}{678,697}^n \frac{1.0786}{1.0584} = \underline{833} \text{ MCF/da.}$

SUMMARY

P_c = 988 psia Company El Paso Natural Gas
Q = 787 Mcf/day By Original Signed
P_w = 545 psia Title _____
P_d = 494 psia Witnessed by Lewis D. Galloway
D = 833 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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
3849	.244	54.745	13,358		284,089	297,447	545

D at 500 = 806



