

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)

72-143-01

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

Operator El Paso Natural Gas Lease San Juan 29-7 Well No. 61
Unit N Sec. 34 Twp. 29 Rge. 7 Pay Zone: From 3068 To 5742
Casing: OD 5-1/2 WT. 15.5 Set At 5777 Tubing: OD 2 WT. 4.7 T. Perf. 5697
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .699 Estimated _____
Date of Flow Test: From 6/21/58 To 6/29/58 * Date S.I.P. Measured 9/26/57 (50 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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
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 = _____ 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) 1084 psig + 12 = 1096 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1074 psig + 12 = 1086 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1086 psia (l)
Flowing Temp. (Meter Run) 76 °F + 460 _____ = 536 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 543 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{V(c)}{V(d)}} \right)^* = \underline{1352} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION
D = Q 1352 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1336} \text{ MCF/da.}$
884547 .9842
898736 .9881

SUMMARY
P_c = 1086 psia Company El Paso Natural Gas
Q = 1352 Mcf/day By Original Signed
P_w = 530 psia Title Harold L. Kendrick
P_d = 543 psia Witnessed by _____
D = 1336 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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>3982</u>	<u>.251</u>	<u>161.595</u>	<u>40,560</u>	<u>240,100</u>	<u>280,660</u>	<u>530</u>

D at 500 = 1328

