

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)

72-174

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

Operator El Paso Natural Gas Lease San Juan Unit 32-9 Well No. 58
Unit A Sec. 16 Twp. 32N Rge. 9W Pay Zone: From 5812 To 6232
Casing: OD 5-1/2 WT. 15.5 Set At 6254 Tubing: OD 2" WT. 4.7 T. Perf. 6174
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .591 Estimated _____
Date of Flow Test: From 7/22/58 To 7/30/58 * Date S.I.P. Measured 5/31/58 (6 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 (6.70) ² x sp. const. 10 _____ = 449 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 449 psia (h)
P_t = (h) + (f) _____ = 449 psia (i)
Wellhead casing shut-in pressure (Dwt) 980 psig + 12 = 992 psia (j)
Wellhead tubing shut-in pressure (Dwt) 988 psig + 12 = 1000 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1000 psia (l)
Flowing Temp. (Meter Run) 71 °F + 460 _____ = 531 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 500 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{306}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 306 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{.9416 \cdot 75}{.9558} = \underline{292}$ MCF/da.

SUMMARY

P_c = 1000 psia
Q = 306 Mcf/day
P_w = 451 psia
P_d = 500 psia
D = 292 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
3631	.232	0.277	1.920	201.601	203.521	451

D at 500 = 288

