

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)

72-125-01

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. 62
Unit B Sec. 14 Twp. 32 Rge. 10 Pay Zone: From 5668 To 5880
Casing: OD 7-5/8 WT. 26.4 Set At 3798 Tubing: OD 2" WT. 4.7 T. Perf. 5876
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .598 Estimated _____
Date of Flow Test: From 7/30/58 To 8/9/58 * Date S.I.P. Measured 5/16/58
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 (6.75) ² x sp. const. 10 _____ = 456 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 456 psia (h)
P_t = (h) + (f) _____ = 456 psia (i)
Wellhead casing shut-in pressure (Dwt) 981 psig + 12 = 993 psia (j)
Wellhead tubing shut-in pressure (Dwt) 971 psig + 12 = 983 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 983 psia (l)
Flowing Temp. (Meter Run) 87 °F + 460 _____ = 547 ° Abs (m)
P_d = ½ P_c = ½ (l) _____ = 492 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \frac{\sqrt{(d)}}{\sqrt{(d)}}} \right)^* = \underline{160} \text{ MCF/day}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 160 $\left[\frac{(P_c^2 - P_d^2) = \underline{724225}}{(P_c^2 - P_w^2) = \underline{757842}} \right]^n \frac{.9556^{.75}}{.9666} = \underline{155} \text{ MCF/day}$

SUMMARY

P_c = 983 psia
Q = 160 Mcf/day
P_w = 457 psia
P_d = 492 psia
D = 155 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
3514	.226	2.262	511	207936	208447	457

D at 500 = 151