

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)

71746

Pool Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 28-5 Well No. 4
Unit 6 Sec. 19 Twp. 28 Rge. 5 Pay Zone: From 5164 To 5720
Casing: OD 7 WT. 20 Set At 5137 Tubing: OD 2 WT. 4.7 T. Perf. 5708
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .682 Estimated _____
Date of Flow Test: From 9/21/58 To 9/29/58 * Date S.I.P. Measured 12/3/57
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 (7.00) ² x sp. const. 10 _____ = 490 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 490 psia (h)
P_t = (h) + (f) _____ = 490 psia (i)
Wellhead casing shut-in pressure (Dwt) 911 psig + 12 = 923 psia (j)
Wellhead tubing shut-in pressure (Dwt) 898 psig + 12 = 910 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 910 psia (l)
Flowing Temp. (Meter Run) 75 °F + 460 _____ = 535 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 455 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{159} \text{ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 159 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{166} \text{ MCF/da.}$
 $\frac{621,075}{587,450}$ $\frac{1.0572}{1.0426}$

SUMMARY

P_c = 910 psia
Q = 159 Mcf/day
P_w = 491 psia
P_d = 455 psia
D = 166 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	$\frac{(F_c Q)^2}{R^2}$ (1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
3887	.346	2.235	550	240,100	240,650	491

B at 500 = 155

Intermitter installed 8/20/58

