

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)

71-660

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

Operator El Paso Natural Gas Lease San Juan 29-7 Unit Well No. 48
Unit A Sec. 8 Twp. 29 Rge. 7 Pay Zone: From 4770 To 5292
Casing: OD 5.5 WT. 15.5 Set At 5360 Tubing: OD 2 WT. 4.7 T. Perf. 4013
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .700 Estimated _____
Date of Flow Test: From 10/30/58 To 11/7/58 * Date S.I.P. Measured 3/30/58
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 (7.12) ² x sp. const. 10 _____ = 507 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 507 psia (h)
P_t = (h) + (f) _____ = 507 psia (i)
Wellhead casing shut-in pressure (Dwt) 697 psig + 12 = 709 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 709 psia (l)
Flowing Temp. (Meter Run) 69 °F + 460 _____ = 529 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 355 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{_____}}{\sqrt{(d)}} = \text{_____}} \right)^* = \underline{818}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 818 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.6049}{1.4255} = \underline{1166}$ MCF/da.

SUMMARY

P_c = 709 psia
Q = 818 Mcf/day
P_w = 518 psia
P_d = 355 psia
D = 1166 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
2809	.185	59.151	10,943	257,049	267,992	518

Additional perforations in tubing - 10/29/58.

D at 500 = 805



OK

62

2000.00

1000.00

1000.00

1000.00

• 1000.00

• 1000.00

• 1000.00

• 1000.00

• 1000.00

• 1000.00

• 1000.00

• 1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00

1000.00