

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)

72-272-01

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 28-7 Unit Well No. 94 (M)
Unit N Sec. 30 Twp. 28 Rge. 7 Pay Zone: From 4534 To 4824
Casing: OD 5-1/2 WT. 15.5 Set At 4887 Tubing: OD 2 WT. 4.7 T. Perf. 4696
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .695 Estimated _____
Date of Flow Test: From 10/22/58 To 10/30/58 * Date S.I.P. Measured 2/5/58 (24 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 (7.05) ² x sp. const. 10 _____ = 497 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 497 psia (h)
P_t = (h) + (f) _____ = 497 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1056 psig + 12 = 1068 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1068 psia (l)
Flowing Temp. (Meter Run) 73 °F + 460 _____ = 533 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 534 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{226} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 226 $\left[\frac{(P_c^2 - P_d^2) = \text{855468}}{(P_c^2 - P_w^2) = \text{892662}} \right]^n \frac{.9583}{.9685} = \text{219} \text{ MCF/da.}$

SUMMARY

P_c = 1068 psia
Q = 226 Mcf/day
P_w = 498 psia
P_d = 534 psia
D = 219 Mcf/day

Company El Paso Natural Gas
By _____
Title Original Signed
Witnessed by Harold L. Kendrick
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
3264	.211	4.516	953	247,009	247,962	498

D at 500 = 223

