

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)

Pool Elmco Mesa Verde Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 32-9 Well No. 44
Unit G Sec. 11 Twp. 31N Rge. 10W Pay Zone: From 4826 To 4920
Casing: OD 5 1/2 WT. 15.5 Set At 5150 Tubing: OD 2 WT. 4.7 T. Perf. 5324
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From 6/30 To 7/8 * Date S.I.P. Measured 4/6/56
Meter Run Size 4 Orifice Size _____ Type Chart Sq. Rt. Type Taps Flange

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 (7.35) ² x sp. const. 1000 _____ = 540 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 540 psia (h)
P_t = (h) + (f) _____ = 540 psia (i)
Wellhead casing shut-in pressure (Dwt) 1036 psig + 12 = 1048 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1032 psig + 12 = 1044 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1048 psia (l)
Flowing Temp. (Meter Run) 93 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 524 psia (n)

Q = 3516 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{_____ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 3516 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0117}{1.02365} = \text{_____ MCF/da.}$
0.23 798,414

SUMMARY

P_c = 1048 psia
Q = 3516 Mcf/day
P_w = 548 psia
P_d = 524 psia
D = 3599 Mcf/day

Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
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
<u>3362</u>	<u>.217</u>	<u>38.205</u>	<u>8,290</u>	<u>292,600</u>	<u>292,890</u>	<u>548</u>

D @ 500 = 3612





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