

Initial Deliverability
Test

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)

72-453

Pool Artec Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Wood Well No. 2
Unit G Sec. 35 Twp. 30 Rge. 11 Pay Zone: From 2194 To 2256
Casing: OD 5-1/2 WT. 15.5 Set At 2300 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2225
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .650 Estimated _____
Date of Flow Test: From 8/22/59 To 8/30/59 * Date S.I.P. Measured 5/4/59
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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading 216 psig + 12 = 228 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 228 psia (h)
P_t = (h) + (f) _____ = 228 psia (i)
Wellhead casing shut-in pressure (Dwt) 583 psig + 12 = 595 psia (j)
Wellhead tubing shut-in pressure (Dwt) 584 psig + 12 = 596 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 596 psia (l)
Flowing Temp. (Meter Run) 69 °F + 460 _____ = 529 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 298 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{V(c)}{V(d)}} \right) = \underline{960} \text{ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 960 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1022} \text{ MCF/da.}$
 $\frac{26612}{247371}$ $\frac{1.0769}{1.0650}$

SUMMARY

P_c = 596 psia
Q = 960 Mcf/day
P_w = 328 psia
P_d = 298 psia
D = 1022 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
1446	.100	558.613	55,861	51984	107845	328

D at 250 = 915



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1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971).

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 200 million to 400 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

CONCLUSIONS

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