

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)

74-86401

Pool South Blanco Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Jicarilla Well No. 67-8
Unit A Sec. 29 Twp. 25 Rge. 5 Pay Zone: From 2586 To 2624
Casing: OD 5-1/2 WT. 15.5 Set At 2680 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 2358
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .692 Estimated _____
Date of Flow Test: From 9/21/59 To 9/29/59 * Date S.I.P. Measured 5/19/59
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:
(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 (6.95) ² x sp. const. 5 _____ = 242 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) _____ = 242 psia (h)
P_t = (h) + (f) _____ = 242 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ 815 psig + 12 = 827 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ 815 psig + 12 = 827 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 827 psia (l)
Flowing Temp. (Meter Run) _____ 62 °F + 460 _____ = 522 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 414 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{1162}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1162 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{1136}$ MCF/da.
.9737
.9776

SUMMARY

P_c = 827 psia Company El Paso Natural Gas
Q = 1162 Mcf/day By _____
P_w = 397 psia Title _____
P_d = 414 psia Witnessed by Harold L. Kendrick
D = 1136 Mcf/day 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
1770	.121	318.418	99,029	58564	157,593	397

D at 250 = 1146

CORRECTED COPY

Handwritten notes at the top of the page, including the date "1914" and some illegible text.

Handwritten text in the upper middle section, possibly a title or heading.

Handwritten text in the middle section, appearing to be a list or series of notes.

Handwritten text in the lower middle section, possibly a continuation of the list or notes.

Handwritten text in the lower section, possibly a conclusion or summary.

Handwritten text at the bottom of the page, possibly a signature or date.