

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)

Pool South Blanco Formation Pictured Cliffs County _____
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed June 1, 1956
Operator Tennessee Gas Transmission Lease H. V. Riddle Well No. 2-1
Unit 8 Sec. 9 Twp. 10N Rge. 9W Pay Zone: From _____ To _____
Casing: OD _____ WT. _____ Set At _____ Tubing: OD 1 WT. _____ T. Perf. 240
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .440 Estimated _____
Date of Flow Test: From _____ To _____ * Date S.I.P. Measured _____
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 (7.70) ² x sp. const. 5.00 = 284 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 472 psig + 12 = 484 psia (j)
Wellhead tubing shut-in pressure (Dwt) 472 psig + 12 = 484 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 61 °F + 460 _____ = 521 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 242 psia (n)

FLOW RATE CALCULATION

Q = 563 X $\left(\frac{V(c)}{V(d)} \right) =$ _____ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 563 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ 1.1427 = 643 MCF/da.

SUMMARY

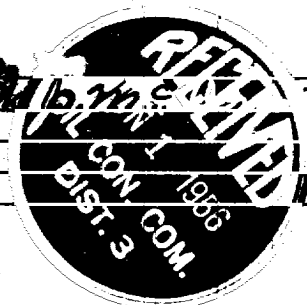
P_c = 484 psia
Q = 563 Mcf/day
P_w = 409 psia
P_d = 242 psia
D = 643 Mcf/day

Company Continental
By H. J. [unclear]
Title Agent
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
<u>14.34</u>	<u>.099</u>	<u>605.151</u>	<u>79.720</u>		<u>67.624</u>	<u>147.325</u>	<u>409</u>



OK