

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

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 Undeveloped Formation Dakota County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed August 31, 1959
Operator Antec Oil and Gas Company Lease Robinson Well No. 2
Unit 7 Sec. 22 Twp. 23 Rge. 11 Pay Zone: From 2.375 To 6.134
Casing: OD 7 WT. 23 Set At 1 Tubing: OD 4.51 WT. 11.7 T. Perf. 6.134
Produced Through: Casing 7/10/59 Tubing 7/11/59 Gas Gravity: Measured 1.70 Estimated 1.70
Date of Flow Test: From 7/10/59 To 7/11/59 Date S.I.P. Measured 7/11/59 (7:00 AM)
Meter Run Size 1 Orifice Size 1.70 Type Chart Sq. Rt. Type Taps 1

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 8.15 _____ psig + 12 = _____ psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) 2052 _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 2062 _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through 2062 _____ = _____ psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = ½ P_c = ½ (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

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

SUMMARY

P_c = 2071 _____ psia
Q = 706 _____ Mcf/day
P_w = 1037 _____ psia
P_d = 2197 _____ psia
D = _____ _____ Mcf/day
Company Antec Oil and Gas Company
By D.E. Bryant, Production Engineer
Title _____
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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		
<u>6137</u>	<u>.252</u>	<u>672.117</u>	<u>176.173</u>	<u>150,396</u>	<u>617,069</u>	<u>706</u>

COMPLETION LOG



