

Initial Deliverability
Test

Form C-123-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 South Platte Formation Permian County Lincoln
Purchasing Pipeline Southwest Union Gas Company Date Test Filed February 15, 1960
Operator Amoco Oil & Gas Company Lease Andrew-Monahan Well No. 1
Unit 1 Sec. 23 Twp 23 Rge. 4 Pay Zone: From 200 To 250
Casing: OD 4 1/2 WT. 9.50 Set At 200 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 200
Produced Through: Casing Tubing 20 Gas Gravity: Measured 0.65 Estimated
Date of Flow Test: From 1/23 To 1/23/60 * Date S.I.P. Measured 12/6/59
Meter Run Size 4 Orifice Size 0.003 Type Chart 0.8 Type Taps 0

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

FLOW RATE CALCULATION

$$Q = \frac{\text{(Integrated)}}{\text{(Integrated)}} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{1.000}{\text{ }} \right) = \text{ } \text{ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{ } \text{ MCF/day}$$

SUMMARY

P_c = _____ psia Company Amoco Oil & Gas Company
Q = _____ Mcf/day By ORIGINAL SIGNED BY L. M. STEVENS
P_w = _____ psia Title L. M. Stevens, Dist. Engineer
P_d = _____ psia Witnessed by _____
D = _____ 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 1)	P _t ² + R ²	P _w
Friction loss is negligible.						

OK



