

INITIAL PRODUCTION 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 Aztec Pictured Cliffs FORMATION Pictured Cliffs COUNTY San Juan
PURCHASING PIPELINE Southern Union Gas Company DATE TEST FILED December 13, 1955
OPERATOR Southern Union Gas Co. LEASE Zachry WELL NO. 4
UNIT P SEC. 34 TWP. 29N RGE. 10W PAY ZONE: From 1806 To 1870
CASING: OD 5-1/2" WT. 15.5# SET AT 1806 TUBING: OD 1" WT. 1.7# T.Perf.
PRODUCED THROUGH: CASING X TUBING GAS GRAVITY: MEASURED ESTIMATED .660
DATE OF FLOW TEST: From 11-23-55 To 11-30-55 *Date S.I.P. MEASURED 4-29-55
METER RUN SIZE 4" ORIFICE SIZE 1" TYPE CHART Normal TYPE TAPS Flange

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. _____ 190 psig + 12 = _____ 202 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = _____ psia (g)
Corrected seven day ave. meter press. (pf) (g) + (e) _____ = _____ 202 psia (h)
P_t = (h) + (f) _____ = _____ 202 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ 663 psig + 12 = _____ 675 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ 663 psig + 12 = _____ 675 psia (k)
P_c = (j) or (k) whichever well flowed through. _____ = _____ 675 psia (l)
Flowing Temp. (Meter Run). _____ 60 °F + 460 _____ = _____ 520 °Abs (m)
P_d = $\frac{1}{2}$ P_c = $\frac{1}{2}$ (l) _____ = _____ 337 psia (n)

FLOW RATE CALCULATION

Q = $\frac{338}{(\text{integrated})}$ X $\left(\frac{V(c)}{V(d)} \right) = \text{None} = 338 \text{ MCF/da.}$

DELIVERABILITY CALCULATION

D = Q $\frac{338}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{0.85}} = 287 \text{ MCF/da.}$

SUMMARY

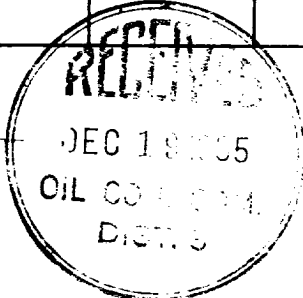
P_c = 675 psia Company Southern Union Gas Company
Q = 338 Mcf/day By L. S. Mumanink
P_w = 202 psia Title Jr. Petroleum Engineer
P_d = 337 psia Witnessed by _____
D = 287 Mcf/day Company _____

* 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})	P _t ² (Column i)	P _t ² + R ²	P _w
			R ²			
Friction Loss Negligible						

Well connected October 27, 1955



OIL CONSERVATION COMMISSION		
ATTORNEY GENERAL		
No. C. 100-10000	3	
100-10000		
100-10000	1	
100-10000	1	
100-10000	1	✓