

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 San Juan Pictured Cliffs Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed 1/14/58
Operator The Ohio Oil Company Lease Juanilla Apache Well No. 4
Unit P Sec. 22 Twp. 30N Rge. 2E Pay Zone: From 2570 To 2600
Casing: OD 8 WT. 20 Set At 2600 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 2600-2620
Produced Through: Casing Tubing X Gas Gravity: Measured .006 Estimated
Date of Flow Test: From To * Date S.I.P. Measured 1/14/58
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 () ² x sp. const. = 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) 2600 psig + 12 = 2712 psia (j)
Wellhead tubing shut-in pressure (Dwt) 260 psig + 12 = 272 psia (k)
P_c = (j) or (k) whichever well flowed through = psia (l)
Flowing Temp. (Meter Run) 90 °F + 460 = °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = psia (n)

Q = X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \underline{511} \text{ MCF/da}$
(integrated)

D = Q 511 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \underline{511 \times .001} = \underline{511} \text{ MCF/da.}$

SUMMARY

P_c = 2712 psia
Q = 511 Mcf/day
P_w = 260 psia
P_d = 272 psia
D = 511 Mcf/day

Company The Ohio Oil Company
By W. G. P.
Title Production Manager
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}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>21.07</u>	<u>0.100</u>	<u>22.070</u>	<u>2.377</u>	<u>62,500</u>	<u>64,877</u>	<u>258.0</u>



