

Initial Deliverability
TestForm C-122-A
Revised April 20, 1955NEW 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 Basin Dakota Formation Dakota County San Juan
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed _____
Operator The Ohio Oil Company Lease Ohio Gov't. Sec. 26 Well No. 3-26
Unit P Sec. 26 Twp. 28N Rge. 11W Pay Zone: From 5990 To 6195
Casing: OD 3 1/2" WT. 17# Set At 6235 Tubing: OD 2-3/8 WT. 47# T. Perf. 6100-6130
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .676 Estimated _____
Date of Flow Test: From 6/6/61 To 6/13/61 * Date S.I.P. Measured 6/20/61
Meter Run Size 4" Orifice Size 1.750 Type Chart Sq. Rt. Type Taps _____

OBSERVED DATA

Flowing casing pressure (Dwt) 1647 psig + 12 = 1659 psia (a)
Flowing tubing pressure (Dwt) 1600 psig + 12 = 1612 psia (b)
Flowing meter pressure (Dwt) 503 psig + 12 = 515 psia (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading _____ psig + 12 = _____ psia (d)
Square root chart reading (7.2)² x spring constant 10 = 518 psia (d)
Meter error (c) - (d) or (d) - (c) ± = -3 psi (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing; (a) - (c) Flow through casing = 1097 psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.20)² x sp. const. 10 = 518 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 515 psia (h)
P_t = (h) + (f) = 1612 psia (i)
Wellhead casing shut-in pressure (Dwt) 1935 psig + 12 = 1947 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1929 psig + 12 = 1941 psia (k)
P_c = (j) or (k) whichever well flowed through = 1941 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 = 517 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 971 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{2238}{(\text{integrated})} \times \left(\frac{\sqrt{(c)} 515 = 22.6936}{\sqrt{(d)} 518 = 22.7596} = .9971 \right) = 2232 \text{ MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{2232}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{.75}} = 2.092 \times 2232 = 4669$$

SUMMARY

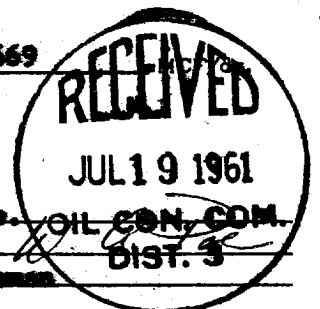
P_c = 1941 psia
Q = 2232 Mcf/day
P_w = 1647 psia
P_d = 971 psia
D = 4669 Mcf/day

Company The Ohio Oil Co.
By H. A. Poe
Title Production Foreman
Witnessed by _____
Company ELS 7/6/61

* 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
4124	0.259	440.37	114	2599	2713	1647



pk