Form C-122-A
Revised April 20, 1955

Initial Deliverability Test

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 So. Blanco Pictured Cliffs Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 1/14/58

Operator The Ohio Oil Company Lease Jicarilla Apache Well No. 7

Unit D Sec. 27 Twp. 26N Rge. 5W Pay Zone: From 2910 To 3003

Casing: OD 7" WT. 20# Set At 2914 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 2967-2987

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .705 Estimated ____

Date of Flow Test: From ____ To ____ * Date S.I.P. Measured 2/10/56

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 = 250	psia	(g)
Square root chart average reading (7.20)^2 x sp. const. 5 = 250	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 250	psia	(h)
P_t = (h) + (f) = 982	psia	(i)
Wellhead casing shut-in pressure (Dwt) 970 psig + 12 = 982	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 970 psig + 12 = 982	psia	(k)
P_c = (j) or (k) whichever well flowed through = 982	psia	(l)
Flowing Temp. (Meter Run) 61 °F + 460 = 521	°Abs	(m)
P_d = ½ P_c = ½ (l) = 491	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{____ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^{*} = 558 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \, 558 \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{723,249}{693,273} \right]^{n} \; 558 \times .836 = 466 \text{ MCF/da.}$$

SUMMARY

P_c = 982	psia	Company The Ohio Oil Company
Q = 558	Mcf/day	By W. A. Fox
P_w = 866	psia	Title Production Foreman
P_d = 491	psia	Witnessed by ____
D = 466	Mcf/day	Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2}{R^2}$ $(1-e^{-s})$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
2002	0.141	27.52	3.88	67.981	70,981	266

JAN 14 1958
OIL CON. COM.
DIST. 3