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 Blanco-Mesaverde Formation Mesaverde County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 12/12/57

Operator The Ohio Oil Company Lease N. M. 021126 Ohio Govt 1-20 Well No. 1

Unit A Sec. 20 Twp. 31N Rge. 12W Pay Zone: From 4805 To 5034

Casing: OD 5" Liner WT. 15 Set At 4523-5211 Tubing: OD 2 7/8 WT. 6½# T. Perf. 5028-5051

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .680 Estimated ____

Date of Flow Test: From 6/9/57 To 6/17/57 * Date S.I.P. Measured 2/19/57

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 (7.35)^2 x sp. const. 10	=	540	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	540	psia	(h)
P_t = (h) + (f)	=	540	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1046	psig + 12 =	1058	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 963	psig + 12 =	975	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	975	psia	(l)
Flowing Temp. (Meter Run) 77 °F + 460	=	537	°Abs	(m)
$P_d = ½ P_c = ½$ (l)	=	488	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X ($\sqrt{(c)}$ / $\sqrt{(d)}$ = ____ = ____) = 955 MCF/da

DELIVERABILITY CALCULATION

$$D = Q\ 955 \left[\frac{P_c^2 - P_d^2 = 713}{P_c^2 - P_w^2 = 653}\right]^n \quad 955 \times 1.068 = 1,020 \text{ MCF/da.}$$

SUMMARY

P_c = 975 psia
Q = 955 Mcf/day
P_w = 546 psia
P_d = 488 psia
D = 1,020 Mcf/day

Company The Ohio Oil Company
By W. A. Poe
Title Production Foreman
Witnessed by
Company El Paso Natural Gas Company

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* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e^{-s})	$(F_cQ)^2$	$(F_cQ)^2$ (1-e^{-s}) / R^2	Pt^2 (Column i)	P_w^2	P_w
3419	0.220	28.09	6.18	291.6	297.8	546

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