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 South Blanco P.C. FORMATION Pictured Cliffs COUNTY Rio Arriba

PURCHASING PIPELINE Southern Union DATE TEST FILED May 20, 1955

OPERATOR Robert E. Mead LEASE Fed-Scott WELL NO. 1-D

UNIT J SEC. 14 TWP. 26N RGE. 7W PAY ZONE: From ____ To ____

CASING: OD ____ WT. ____ SET AT ____ TUBING: OD ____ WT. ____ T.Perf. ____

PRODUCED THROUGH: CASING X TUBING ____ GAS GRAVITY: MEASURED ____ ESTIMATED .650

DATE OF FLOW TEST: From 4/23/55 To 4/30/55 *Date S.I.P. MEASURED 5/7/55

METER RUN SIZE 4" ORIFICE SIZE .375 TYPE CHART Normal TYPE TAPS Flange

OBSERVED DATA

Flowing casing pressure (Dwt)	377 psig + 12 =	389	psia	(a)
Flowing tubing pressure (Dwt)	371 psig + 12 =	383	psia	(b)
Flowing meter pressure (Dwt)	375 psig + 12 =	387	psia	(c)
Flowing meter pressure (meter reading when Dwt. measurement taken:				
Normal chart reading.	375 psig + 12 =	387	psia	(d)
Square root chart reading (____) ^{2} x spring constant ____ =			psia	(d)
Meter error (c) - (d) or (d) - (c). . . . . ± =		0	psi	(e)
Friction loss, Flowing column to meter:				
(b) - (c) Flow through tubing: (a) - (c) Flow through casing... =		2	psi	(f)
Seven day average static meter pressure (from meter chart):				
Normal chart average reading.	380 psig + 12 =	392	psia	(g)
Square root chart average reading (____) ^{2} x sp. const. ____ =			psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) =		392	psia	(h)
P_t = (h) + (f) . . . . . =		394	psia	(i)
Wellhead casing shut-in pressure (Dwt)	643 psig + 12 =	655	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	642 psig + 12 =	654	psia	(k)
P_c = (j) or (k) whichever well flowed through. . . . . =		655	psia	(l)
Flowing Temp. (Meter Run). . . .	60 °F + 460 . . . . . =	520	°Abs	(m)
$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l) . . . . . =		328	psia	(n)

FLOW RATE CALCULATION

$$Q = \frac{96}{\text{(integrated)}} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = 1 \right)^{*} = 96 \text{ MCF/da.}$$

DELIVERABILITY CALCULATION

$$D = Q \; 96 \left[\frac{\left| P_c^2 - P_d^2 \right| = 321,441}{\left| P_c^2 - P_w^2 \right| = 273,789} \right]^{n} 1.1427 = 110 \text{ MCF/da.}$$

SUMMARY

P_c =	655	psia	Company Geolectric, Inc
Q =	96	Mcf/day	By W. J. McConathy
P_w =	394	psia	Title Agent
P_d =	328	psia	Witnessed by ____
D =	110	Mcf/day	Company ____

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w

FRICTION LOSS NEGLIGIBLE

OK

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