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 FULCHER KUTZ Formation PICTURED CLIFFS County SAN JUAN

Purchasing Pipeline SOUTHERN UNION GAS COMPANY Date Test Filed 3-26-57

Operator KRAUSE Lease BECK Well No. 1

Unit ____ Sec. 10 Twp. 29N Rge. 12W Pay Zone: From 1680 To 1871

Casing: OD 5-1/2" WT. ____ Set At 1685 Tubing: OD 1" WT. 1.7# T. Perf. 1688

Produced Through: Casing X Tubing ____ Gas Gravity: Measured 0.646 Estimated ____

Date of Flow Test: From 2-14-57 To 2-21-57 * Date S.I.P. Measured 1-4-57

Meter Run Size 4" Orifice Size 3/4 Type Chart Normal Type Taps Flange

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	188 psig + 12 =	200	psia	(g)
Square root chart average reading (____)^2 x sp. const.	=	____	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	200	psia	(h)
P_t = (h) + (f)	=	200	psia	(i)
Wellhead casing shut-in pressure (Dwt)	346 psig + 12 =	358	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	346 psig + 12 =	358	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	358	psia	(l)
Flowing Temp. (Meter Run)	60 °F + 460 =	520	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	179	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 96,200}{(P_c^2 - P_w^2) = 88,200} \right]^n$ 1.077 = 37 MCF/da.

SUMMARY

P_c =	358	psia
Q =	34	Mcf/day
P_w =	200	psia
P_d =	179	psia
D =	37	Mcf/day

Company GEORGE KRAUSE
By [signature]
Title Engineer
Witnessed by ____
Company ____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

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