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 DAKOTA Formation UNDESIGNATED County SAN JUAN

Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed JANUARY 12, 1960

Operator ALEX N. CAMPBELL Lease FEDERAL TONKIN Well No. 1

Unit P Sec. 23 Twp. 27 Rge. 12 Pay Zone: From 6094 To 6112

Casing: OD 5 1/2 WT. ____ Set At 6256 Tubing: OD 2" WT. ____ T. Perf. 6068

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .716 Estimated ____

Date of Flow Test: From 11-22 To 11-30 * Date S.I.P. Measured 1-3-~~58~~ 59

Meter Run Size 4" Orifice Size 2.000 Type Chart SR 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	psig + 12 =		psia	(g)
Square root chart average reading (7.05) ^{2} x sp. const. 1.000	=	497	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=		psia	(h)
P_t = (h) + (f)	=	497	psia	(i)
Wellhead casing shut-in pressure (Dwt)	psig + 12 =		psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1928	psig + 12 =	1940	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1940	psia	(l)
Flowing Temp. (Meter Run) 82 °F + 460	=	542	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	970	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$$D = Q \; 1.715 \left[\frac{P_c^2 - P_d^2 = 2,822,700}{P_c^2 - P_w^2 = 3,446,132} \right]^n \; 8610 = 1477 \text{ MCF/da.}$$

SUMMARY

P_c =	1940 psia	Company	GEOLECTRIC, INC.
Q =	1715 Mcf/day	By	[illegible]
P_w =	564 psia	Title	AGENT
P_d =	970 psia	Witnessed by	
D =	1477 Mcf/day	Company	

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
4345	.271	259.997	70.459	247.009	317.468	564

RECEIVED JAN 13 1960 OIL CON. DIV.