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 Fulcher Kutz Formation PC County SJ

Purchasing Pipeline Southern Union Gas Date Test Filed February 19, 1958

Operator Producing Royalties, Inc. Lease Carroll-Cornell Well No. 1

Unit G Sec. 11 Twp. 29N Rge. 12W Pay Zone: From _____ To _____

Casing: OD 5½ WT. _____ Set At 1843 Tubing: OD _____ WT. _____ T. Perf. 1928

Produced Through: Casing X Tubing _____ Gas Gravity: Measured .646 Estimated _____

Date of Flow Test: From 1/24/58 To 1/31/58 * Date S.I.P. Measured 2/7/58

Meter Run Size 4" Orifice Size .500 Type Chart Normal Type Taps Pipe

OBSERVED DATA

Flowing casing pressure (Dwt)	155 psig + 12 =	167	psia	(a)
Flowing tubing pressure (Dwt)	psig + 12 =		psia	(b)
Flowing meter pressure (Dwt)	153 psig + 12 =	165	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	150 =	162	psia	(d)
Meter error (c) - (d) or (d) - (c)	± =	3	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	158 psig + 12 =	170	psia	(g)
Square root chart average reading (_____)^2 x sp. const.	=		psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	173	psia	(h)
P_t = (h) + (f)	=	175	psia	(i)
Wellhead casing shut-in pressure (Dwt)	303 psig + 12 =	315	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	psig + 12 =		psia	(k)
P_c = (j) or (k) whichever well flowed through	=	315	psia	(l)
Flowing Temp. (Meter Run)	6 °F + 460 =	520	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	157	psia	(n)

FLOW RATE CALCULATION

$$Q = 26 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{165}{162} = 1.0093 \right)^{*} = 26 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q\,26 \left[\frac{P_c^2 - P_d^2 = 74,576}{P_c^2 - P_w^2 = 68,600} \right]^{n} 1.0736 = 28 \text{ MCF/da.}$$

SUMMARY

P_c =	315 psia	Company	Geolectric, Inc.
Q =	26 Mcf/day	By	[signature]
P_w =	175 psia	Title	Agent
P_d =	157 psia	Witnessed by	
D =	28 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 \quad (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
			Negligible			