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 South Blanco Formation PC County SJ

Purchasing Pipeline El Paso Natural Gas Date Test Filed January 27, 1958

Operator R & G Drilling Co. Lease Graham Well No. 35

Unit O Sec. 3 Twp. 27N Rge. 8W Pay Zone: From 2160 To 2230

Casing: OD 5½ WT. _____ Set At 2295 Tubing: OD 3/4 WT. _____ T. Perf. 2200

Produced Through: Casing I Tubing _____ Gas Gravity: Measured .655 Estimated _____

Date of Flow Test: From 12/17/57 To 12/24/57 * Date S.I.P. Measured 8/1/57

Meter Run Size _____ Orifice Size .750 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 (7.35)^2 x sp. const. 1000	=	540	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	_____	psia	(h)
P_t = (h) + (f)	=	540	psia	(i)
Wellhead casing shut-in pressure (Dwt) 892	psig + 12 =	904	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 890	psig + 12 =	902	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	904	psia	(l)
Flowing Temp. (Meter Run) 45 °F + 460	=	505	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	452	psia	(n)

FLOW RATE CALCULATION

$$Q = 205 \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*} = \_\_\_\_ \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{612,912}{525,616} \right]^{n} = 1.1394 = 234 \text{ MCF/da.}$$

SUMMARY

P_c =	904	psia	
Q =	205	Mcf/day	
P_w =	540	psia	
P_d =	452	psia	
D =	234	Mcf/day	

Company GeoLectric, Inc.
By _____
Title Agent Don Stiles
Witnessed by _____
Company _____

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

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

Negligible

RECEIVED
JAN 27 1958
OIL CON. COM.
DIST. 3