Initial Deliverability Test

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 S. BLANCO Formation PICTURED CLIFF County SJ

Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed OCT/ 25, 1957

Operator R & G DRILLING CO Lease GRAHAM Well No. 33

Unit A Sec. 4 Twp. 27N Rge. 8W Pay Zone: From 2126 To 2267

Casing: OD 5½ WT. _____ Set At 2251 Tubing: OD _____ WT. _____ T. Perf. _____

Produced Through: Casing X Tubing _____ Gas Gravity: Measured .650 Estimated _____

Date of Flow Test: From _____ To _____ * Date S.I.P. Measured 5-27-57

Meter Run Size 4" Orifice Size 1.250 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 (7.25)^2 x sp. const. 500	= 263	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	psia	(h)
P_t = (h) + (f)	= 263	psia	(i)
Wellhead casing shut-in pressure (Dwt) 883	psig + 12 = 895	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	psig + 12 =	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 895	psia	(l)
Flowing Temp. (Meter Run) 68 °F + 460	= 528	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 447	psia	(n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$D = Q$ 119 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{601,216}{731,856} \right]^n$ .8462 = 101 MCF/da.

SUMMARY

P_c = 895 psia
Q = 119 Mcf/day
P_w = 263 psia
P_d = 447 psia
D = 101 Mcf/day

Company GEOLECTRIC, INC
By B H KEYES
Title AGENT
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

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

RECEIVED
OCT 25 1957
OIL CON. COM.
DIST. 3