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 Basin Dakota Formation Dakota County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 3-1-61

Operator Tenneco Corporation Lease Tom Bolack Gas Unit "A" Well No. 1

Unit B Sec. 2 Twp. 27 N Rge. 11 W Pay Zone: From 6302 To 6429

Casing: OD 7" WT. 20# Set At 6475' Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6302

Produced Through: Casing X Tubing Gas Gravity: Measured .685 Estimated

Date of Flow Test: From 1-24-61 To 1-31-61 * Date S.I.P. Measured 8-1-60

Meter Run Size 4" Orifice Size 2.5" Type Chart SR Type Taps F

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 7.10 1000	psig + 12 = 540	psia	(g)
Square root chart average reading ( ) ^{2} x sp. const.	= 540	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 540	psia	(h)
P_t = (h) + (f) dual completion	= --	psia	(i)
Wellhead casing shut-in pressure (Dwt)	psig + 12 = 1999	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	psig + 12 = 1999	psia	(k)
P_c = (j) or (k) whichever well flowed through 82	= 542	psia	(l)
Flowing Temp. (Meter Run) °F + 460	= 1000	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	psia	(n)

FLOW RATE CALCULATION

Q = 3445 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad\right)^*$ = 3445 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{2996001}{3422952}\right]^n$ (.8755)$^{.75}$ = 3119 MCF/da.

SUMMARY

P_c =	1999	psia
Q =	3445	Mcf/day
P_w =	757	psia
P_d =	1000	psia
D =	3119	Mcf/day

Company Tenneco Corporation
By J. J. Lacy
Title District Petroleum Engineer
Witnessed by
Company

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4317	.269	1049105	282209	291600	573809	757

RECEIVED
MAR 6 1961
OIL CON. COM.
DIST. 3