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 AZTEC PICTURED CLIFFS Formation PICTURED CLIFFS County SAN JUAN

Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 6-30-58

Operator FRANK A. SCHULTZ, JR. Lease HEATH Well No. 10-2

Unit I Sec. 2 Twp. 29N Rge. 10W Pay Zone: From 2353 To 2407

Casing: OD 5-1/2" WT. 15.5# Set At 2470 Tubing: OD 1" WT. 1.7# T. Perf. 2411

Produced Through: Casing X Tubing Gas Gravity: Measured 0.678 Estimated

Date of Flow Test: From 6-7-58 To 6-15-58* Date S.I.P. Measured 2-20-58

Meter Run Size 4" Orifice Size 0.750 Type Chart Sq. Rt. 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 (7.00) ^{2} x sp. const. 5	= 245	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 245	psia	(h)
P_t = (h) + (f)	= 245	psia	(i)
Wellhead casing shut-in pressure (Dwt) 748	psig + 12 = 760	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 747	psig + 12 = 759	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 760	psia	(l)
Flowing Temp. (Meter Run) 70 °F + 460	= 530	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 380	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

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ = 74 $\left[\frac{433,200}{517,600} \right]^{0.86}$ = 64 MCF/da.

SUMMARY

P_c = 760 psia
Q = 74 Mcf/day
P_w = 245 psia
P_d = 380 psia
D = 64 Mcf/day

Company FRANK A. SCHULTZ, JR.
By Dwight L. Stoker
Title Engineer
Witnessed by
Company

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

REMARKS OR FRICTION CALCULATIONS

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

RECEIVED
JUL 3 1958
OIL CON. COM.
DIST. 3