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)

122-160

Pool Blanco Formation Mesa Verde County Rio Arriba

Purchasing Pipeline Pacific Northwest Date Test Filed

Operator El Paso Natural Gas Lease San Juan 30-6 Well No. 52

Unit E Sec. 7 Twp. 30 Rge. 6 Pay Zone: From 5136 To 5820

Casing: OD 5-1/2 WT. 15.5 Set At 5720 Tubing: OD 2 WT. 4.7 T. Perf. 5816

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .648 Estimated ____

Date of Flow Test: From 12/22/59 To 12/30/59 * Date S.I.P. Measured 10/27/59

Meter Run Size ____ Orifice Size ____ Type Chart ____ Type Taps ____

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 (____)^2 x sp. const. 476	=	488	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	488	psia	(h)
P_t = (h) + (f)	=	488	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1046	1046 psig + 12 =	1058	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1044	1044 psig + 12 =	1056	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1056	psia	(l)
Flowing Temp. (Meter Run) 70	°F + 460 =	530	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	528	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad}\right)^{*}$ = 1558 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n$ = 1558 $\left[\frac{896992}{826156}\right]^{1.0123}$ = 1572 MCF/da.

(1.0092)

SUMMARY

P_c =	1056 psia	Company	El Paso Natural Gas
Q =	1558 Mcf/day	By	
P_w =	537 psia	Title	Original Signed
P_d =	528 psia	Witnessed by	Harold L. Kendrick
D =	1572 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)2$	$\frac{(FcQ)^2 (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3639	.233	218.182	50836	238,144	288980	537

D at 500 = 1526

RECEIVED
JAN 13 1960
OIL CON. COM.