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 7283201 Basin Formation Dakota County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Hunt Fed Well No. 113

Unit C Sec. 33 Twp. 27 Rge. 10 Pay Zone: From 6206 To 6434

Casing: OD 2-7/8 WT. 6.40 Set At 6525 Tubing: OD None WT. T. Perf.

Produced Through: Casing X Tubing Gas Gravity: Measured .711 Estimated

Date of Flow Test: From 6/6/61 To 6/14/61 * Date S.I.P. Measured 1/5/61

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.	=	psia	(g)
Corrected seven day avge. meter press. (P_f) (g) + (e)	= 533	psia	(h)
P_t = (h) + (f)	= 533	psia	(i)
Wellhead casing shut-in pressure (Dwt)	psig + 12 = 535	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1999 No Tubing	psig + 12 = 2011	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	psia	(l)
Flowing Temp. (Meter Run) °F + 460	= 2011	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 1006	psia	(n)

FLOW RATE CALCULATION

Q = 879 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad\right)^{*}$ = 879 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n$ = 879 $\left[\frac{3032065}{3755438}\right]^{.8078}_{.8520}$ = 749 MCF/da.

SUMMARY

P_c =	2011 psia	Company	El Paso Natural Gas Co.
Q =	879 Mcf/day	By	
P_w =	539 psia	Title	Original signed by
P_d =	1006 psia	Witnessed by	H. L. Kendrick
D =	749 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
4469	.277	23.805	6894	2806 89	2906 83	539

D at 500 = 883

RECEIVED
JUL 11 1961
OIL CON. C
DIST. 3