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)

72930

Pool Basin Formation Dakota County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Dunn Well No. 5

Unit K Sec. 32 Twp. 28 Rge. 9 Pay Zone: From 6498 To 6716

Casing: OD 5-1/2 WT. 17 Set At 6748 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 6668

Produced Through: Casing ____ Tubing X Gas Gravity: Measured .674 Estimated ____

Date of Flow Test: From 5/29/61 To 6/6/61 * Date S.I.P. Measured 9/23/60

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.	=	511	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	511	psia	(h)
P_t = (h) + (f)	=	511	psia	(i)
Wellhead casing shut-in pressure (Dwt) 2033	2033 psig + 12 =	2045	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 2054	2054 psig + 12 =	2066	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	~~2056~~ 2066	psia	(l)
Flowing Temp. (Meter Run) 96 °F + 460	=	~~553~~ 556	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	1033	psia	(n)

FLOW RATE CALCULATION

Q = ____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^*$ = 2331 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{(P_c^2 - P_d^2) = 3201267}{(P_c^2 - P_w^2) = 3873228} \right]^n$ $\frac{.8265}{.8669}$ = 2021 MCF/da.

SUMMARY

P_c =	2066	psia
Q =	2331	Mcf/day
P_w =	629	psia
P_d =	1033	psia
D =	2021	Mcf/day

Company El Paso Natural Gas
By Original signed by
Title H. L. Kendrick
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
4494	0.279	480311	134007	261121	395128	629

D at 500 = 2331

RECEIVED
JUN 29 1961
OIL CON. COM.
DIST. 3

L_ CONSERVATION COMMISSION

P. O. BOX 871
SANTA FE, NEW MEXICO

June 26, 1961

El Paso Natural Gas Company
Box 1492
El Paso, Texas

Attention: Mr. Sam Smith

Administrative Order NWU-422

Gentlemen:

Reference is made to your application for approval of a 342.86-acre non-standard gas proration unit in the Basin-Dakota Gas Pool consisting of the following acreage:

TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM
Section 32: S/2

It is understood that this unit is to be dedicated to your Daum Well No. 5 located 1800 feet from the South line and 1650 feet from the West line of said Section 32.

By authority granted me under the provisions of the Special Rules and Regulations for the Basin-Dakota Gas Pool, as set forth in Order R-1670-C, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned thereto in accordance with the pool rules, based upon the unit size of 342.86 acres.

Administrative Order NWU-397 establishing a 328.7-acre non-standard gas proration unit consisting of the W/2 of said Section 32 was rescinded by Administrative Order NWU-397-A.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/RSM/og