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_____**Blanco**_____ Formation___**Mesa Verde**___ County___**San Juan**___

Purchasing Pipeline___**El Paso Natural Gas Company**___ Date Test Filed_____

Operator___**El Paso Natural Gas**___ Lease___**San Juan 32-9**___ Well No.___**2**___

Unit___**J**___ Sec.___**30**___ Twp.___**32**___ Rge.___**9**___ Pay Zone: From___**5455**___ To___**5860**___

Casing: OD___**7**___ WT.___**23**___ Set At___**5205**___ Tubing: OD___**2**___ WT.___**4.7**___ T. Perf.___**5225**___

Produced Through: Casing_____ Tubing___**X**___ Gas Gravity: Measured___**.69**___ Estimated_____

Date of Flow Test: From___**6/29/60**___ To___**7/7/60**___ *Date S.I.P. Measured___**5/24/60**___

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 = _____**475**_____ psia (g)

  Square root chart average reading (_____) ^{2} x sp. const._____ = _____**475**_____ psia (g)

  Corrected seven day avge. meter press. (p_f) (g) + (e)   = _____**475**_____ psia (h)

P_t = (h) + (f)   = _____**561**_____ psia (i)

Wellhead casing shut-in pressure (Dwt)___**849**___ psig + 12 = _____**746**_____ psia (j)

Wellhead tubing shut-in pressure (Dwt)___**734**___ psig + 12 = _____**746**_____ psia (k)

P_c = (j) or (k) whichever well flowed through ___**86**___   = _____**746**_____ psia (l)

Flowing Temp. (Meter Run) _____**86**_____°F + 460   = _____**546**_____ °Abs (m)

$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l)   = _____**373**_____ psia (n)

FLOW RATE CALCULATION

$$Q = \underset{\text{(integrated)}}{\rule{3cm}{0.4pt}} \quad X \quad \left(\frac{\sqrt{(c)} = \rule{2cm}{0.4pt} = \rule{2cm}{0.4pt}}{\sqrt{(d)} \quad \rule{2cm}{0.4pt}} \right) = \quad \textbf{115} \quad \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \; \textbf{115} \; \left[\frac{\left(P_c^2 - P_d^2\right) = \textbf{417,587}}{\left(P_c^2 - P_w^2\right) = \textbf{329,940}} \right]^n \; \frac{\textbf{1.2650}}{\textbf{1.1927}} = \textbf{131} \; \text{MCF/da.}$$

SUMMARY

P_c = ___**746**___ psia

Q = ___**115**___ Mcf/day

P_w = ___**476**___ psia

P_d = ___**373**___ psia

D = ___**131**___ Mcf/day

Company___**El Paso Natural Gas Company**___
By___**H. L. Kendrick**___ Original Signed ___**Sr. Gas Engineer**___
Title___**Harold L. Kendrick**___
Witnessed by_____
Company_____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e^{-S})	(F$_c$Q)2	(FcQ)^2 (1-e^{-S}) R^2	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction Negligible			

D at 500 = 106

Perforated tubing - turned back on production 6/7/60.

RECEIVED
NOV 1 0 1960
OIL CON. COM.
DIST. 3