

Initial Deliverability
TestForm C-122-A
Revised April 20, 1955NEW 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 Well No. 11
Unit N Sec. 11 Twp. 30 Rge. 10 Pay Zone: From 4770 To 5645
Casing: OD 7 WT. 33 Set At 5387 Tubing: OD 2 WT. 4.7 T. Perf. 4893
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From 2/28/57 To 3/8/57 * Date S.I.P. Measured 7/23/56
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 (6.90) ² x sp. const. 10 _____ = 476 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 476 psia (h)
P_t = (h) + (f) _____ = 476 psia (i)
Wellhead casing shut-in pressure (Dwt) 945 psig + 12 = 957 * psia (j)
Wellhead tubing shut-in pressure (Dwt) 699 psig + 12 = 711 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 957 * psia (l)
Flowing Temp. (Meter Run) 59 °F + 460 _____ = 519 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 479 * psia (n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{V(c)}{V(d)} = \frac{\quad}{\quad} = \frac{\quad}{\quad} \right) = \text{709 MCF/day}$$

DELIVERABILITY CALCULATION

$$D = Q \text{ 709 } \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] = \frac{686,408}{679,675} \times \frac{1.0099}{1.0074} = \text{714 MCF/day}$$

SUMMARY

P_c = 957 psia
Q = 709 Mcf/day
P_w = 486 psia
P_d = 479 psia
D = 714 Mcf/day

Company El Paso Natural Gas Company
By Original Signed
Title _____
Witnessed by Lewis D. Galloway
Company _____

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

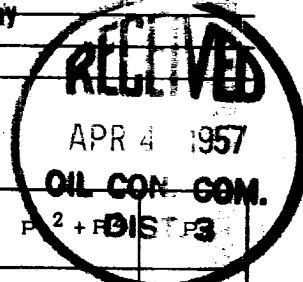
REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _t ²	P _c ² + P _d ²
			R ²	(Column i)	
<u>3340</u>	<u>.216</u>	<u>44,436</u>	<u>9,598</u>	<u>226,576</u>	<u>236,174</u>

* - P_d used as SIPG; tubing perforated above and below bridge in annulus.

$$B @ 500 = 641$$

OK



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

OFFICE OF THE DISTRICT MANAGER
SANTA FE, NEW MEXICO

TO: DISTRICT MANAGER, SANTA FE, NEW MEXICO

FROM: DISTRICT MANAGER, SANTA FE, NEW MEXICO

SUBJECT: [Illegible]

DATE: [Illegible]

RE: [Illegible]

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