

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)

Pool Blanco Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 32-9 Well No. 12
Unit M Sec. 10 Twp. 31 Rge. 9 Pay Zone: From 5287 To 5813
Casing: OD 7 WT. 20 & 23 Set At 5260 Tubing: OD 2 WT. 4.7 T. Perf. 5290
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .645 Estimated _____
Date of Flow Test: From 4/23 To 5/1/57 * Date S.I.P. Measured 5/8/56
Meter Run Size 4 Orifice Size 1.000 Type Chart Sq. Rt. Type Taps Flange

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 (7.40) ² x sp. const. 10 _____ = 548 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 548 psia (h)
P_t = (h) + (f) _____ = 548 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ 948 psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ 945 psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 957 psia (l)
Flowing Temp. (Meter Run) _____ 57 °F + 460 _____ = 517 ° Abs (m)
P_d = ½ P_c = ½ (l) _____ = 479 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{580} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 580 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{635} \text{ MCF/da.}$
 $\frac{1.1271}{1.0940}$

SUMMARY

P_c = 957 psia
Q = 580 Mcf/day
P_w = 554 psia
P_d = 479 psia
D = 635 Mcf/day

Company El Paso Natural Gas
By _____
Title Original Signed
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}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>34.12</u>	<u>.220</u>	<u>29.735</u>	<u>6,542</u>	<u>300,304</u>	<u>306,846</u>	<u>554</u>

D @ 500 = 607



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
No. Copies Received 3		
DISTRIBUTION		
	NO. FURNISHED	
Operator		
Santa Fe	1	
Proration Office		
State Land Office		
U. S. G. S.	1	
Transporter		
File	1	✓