

Initial Deliverability
TestNEW 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 El Paso Formation Mesa Verde County Rio Arriba
 Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
 Operator El Paso Natural Gas Lease San Juan 30-6 Well No. 33
 Unit 1 Sec. 8 Twp. 30 Rge. 6 Pay Zone: From 5472 To 5618
 Casing: OD 2-7/8 WT. 6.4 Set At 5667 Tubing: OD No Tubing T. Perf. _____
 Produced Through: Casing 1 Tubing _____ Gas Gravity: Measured .690 Estimated _____
 Date of Flow Test: From 1-7-61 To 1-15-61 * Date S.I.P. Measured 10-27-60
 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 (7.25) ² x sp. const. 10 = 526 psia (g)
 Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 526 psia (h)
 P_t = (h) + (f) _____ = 526 psia (i)
 Wellhead casing shut-in pressure (Dwt) 1041 psig + 12 = 1053 psia (j)
 Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
 P_c = (j) or (k) whichever well flowed through _____ = 1053 psia (l)
 Flowing Temp. (Meter Run) 66 °F + 460 _____ = 626 °Abs. (m)
 P_d = ½ P_c = ½ (l) _____ = 527 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{406} \text{ MCF/da}$
 (integrated)

DELIVERABILITY CALCULATION

D = Q 406 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0000}{1.0000} = \text{406} \text{ MCF/da.}$

SUMMARY

P_c = 1053 psia
 Q = 406 Mcf/day
 P_w = 527 psia
 P_d = 527 psia
 D = 406 Mcf/day

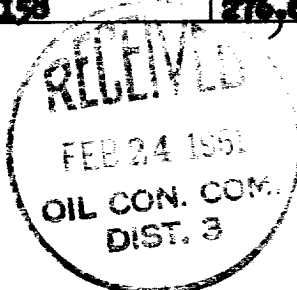
Company El Paso Natural Gas Company
 By H. L. Kendrick Original Signed
 Title Gas Engineer
 Witnessed by _____
 Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(F _c Q) ² R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
<u>3557</u>	<u>.228</u>	<u>5.081</u>	<u>1.158</u>		<u>276,676</u>	<u>277094</u>	<u>527</u>

D at 500 = 411



OK

1. The first part of the report is a general introduction to the subject.

2. The second part is a detailed description of the methods used.

3. The third part is a discussion of the results obtained.

4. The fourth part is a conclusion and a list of references.

5. The fifth part is a summary of the main points.

6. The sixth part is a list of the names of the authors.

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