

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 Bianco Formation Mesa Verde County Sio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Company Lease San Juan 22-6 Unit Well No. 34
Unit A Sec. 32 Twp. 20 Rge. 6 Pay Zone: From 4895 To 5948
Casing: OD 5 1/2 WT. 13.5 Set At 5961 Tubing: OD 2 WT. 4.7 T. Perf. 5973
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 695 Estimated _____
Date of Flow Test: From 4-22 To 4-30 * Date S.I.P. Measured 12-22-55
Meter Run Size 4 Orifice Size _____ Type Chart Eq. Inst 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 (7.60)² x sp. const. 10 = 578 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 578 psia (h)
P_t = (h) + (f) = 578 psia (i)
Wellhead casing shut-in pressure (Dwt) 1873 psig + 12 = 1885 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1068 psig + 12 = 1080 psia (k)
P_c = (j) or (k) whichever well flowed through = 1080 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 = 500 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 540 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^2 = \underline{686}$ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 686 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{719}$ MCF/day
 $\frac{1.0639}{1.0475}$

SUMMARY

P_c = 1080 psia
Q = 686 Mcf/day
P_w = 987 psia
P_d = 540 psia
D = 719 Mcf/day

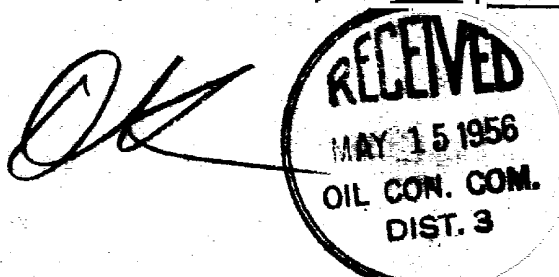
Company El Paso Natural Gas Company
By Lewis D. Galloway
Title _____
Witnessed by _____
Company _____

* 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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>3885</u>	<u>.242</u>	<u>41,603</u>	<u>10,068</u>	<u>334,084</u>	<u>344,152</u>	<u>987</u>

D @ 500 = 730



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