

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 Mesa Verde Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease San Juan 29-7 Well No. 43
Unit L Sec. 8 Twp. 29N Rge. 7W Pay Zone: From 4767 To 5383
Casing: OD 7 WT. _____ Set At 4767 Tubing: OD 2 WT. 4.7 T. Perf. 5271
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated 675
Date of Flow Test: From Jan. 16 To Jan. 23 * Date S.I.P. Measured July 21, 1955
Meter Run Size 4 Orifice Size _____ Type Chart Sq. Root 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 (7.35) ² x sp. const. 10 _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ psia (h)
P_t = (h) + (f) _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 1044 psig + 12 = 1056 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1045 psig + 12 = 1057 psia (k)
P_c = (j) or (k) whichever well flowed through _____ psia (l)
Flowing Temp. (Meter Run) 73 °F + 460 _____ °Abs (m)
P_d = ½ P_c = ½ (l) _____ psia (n)

Q = 648 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(d)}}} \right) = \underline{648} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION
D = Q 648 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{660} \text{ MCF/da.}$
 $\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{837,408}{817,187}$ $\frac{1.0247}{1.01845}$

SUMMARY
P_c = 1057 psia
Q = 648 Mcf/day
P_w = 548 psia
P_d = 529 psia
D = 660 Mcf/day

Company El Paso Natural Gas Company
By _____
Title _____
Witnessed by Louis D. Gallows
Company _____

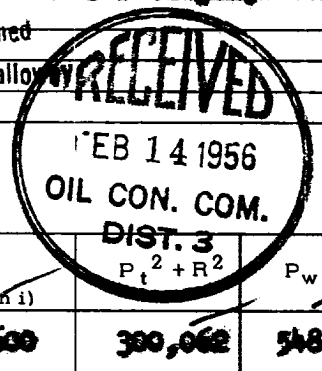
* This is date of completion test.
* Meter error correction factor

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>3558</u>	<u>0.228</u>	<u>37.112</u>	<u>8,462</u>	<u>291,600</u>	<u>300,062</u>	<u>548</u>

D @ 500 = 665

Dec



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