

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVARDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

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

Operator El Paso Natural Gas Lease San Juan 29-7 Well No. 52
Unit H Sec. 7 Twp. 29 Rge. 7 Pay Zone: From 4678 To 5276
Casing: OD 5 WT. 11.5 Set At 5320 Tubing: OD 2 WT. 4.7 T. Perf. 5440
Produced Through: Casing _____ Tubing x Gas Gravity: Measured .699 Estimated _____
Date of Flow Test: From 9/8/57 To 9/17/57 * Date S.I.P. Measured 9/7/56 (9 days)
Meter Run Size 4 Orifice Size 1.250 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) 1082 psig + 12 = 1094 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1070 psig + 12 = 1082 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1082 psia (l)
Flowing Temp. (Meter Run) 71 °F + 460 _____ = 531 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 541 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{1674} \text{ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1674 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{1.0830}{1.0616} = \text{1777} \text{ MCF/da.}$

SUMMARY

P_c = 1082 psia
Q = 1674 Mcf/day
P_w = 600 psia
P_d = 541 psia
D = 1777 Mcf/day

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

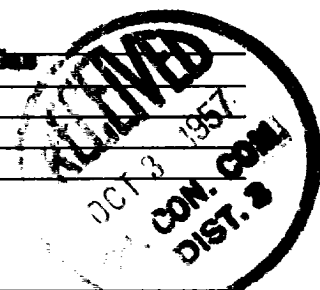
* This is date of completion test.
* Meter error correction factor

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
3786	.241	247,716	59,700	300,304	360,004	600

D at 500 = 1729

OK



THE HISTORY OF THE

REIGN OF KING CHARLES THE FIRST

BY JOHN BURNET

IN TWO VOLUMES. THE SECOND VOLUME.

LONDON, Printed by J. Streater, at the Sign of the Gun, in St. Dunstons Church-yard, 1679.

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