

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. 46
Unit 6 Sec. 6 Twp. 29N Rge. 7W Pay Zone: From 4612 To 4829
Casing: OD 5 1/2 WT. 15.5 Set At 5360 Tubing: OD 2 WT. 4.7 T. Perf. 5276
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated 685
Date of Flow Test: From Jan. 16 To Jan. 23 * Date S.I.P. Measured 9-30-55
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. 1000 = 540 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 540 psia (h)
P_t = (h) + (f) _____ = 540 psia (i)
Wellhead casing shut-in pressure (Dwt) 1046 psig + 12 = 1058 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1041 psig + 12 = 1053 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1053 psia (l)
Flowing Temp. (Meter Run) 71 °F + 460 _____ = 531 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 527 psia (n)

FLOW RATE CALCULATION

Q = 1180 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) =$ _____ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1180 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ _____ MCF/da.
831,080 1.0536 1227
788,778 1.0399

SUMMARY

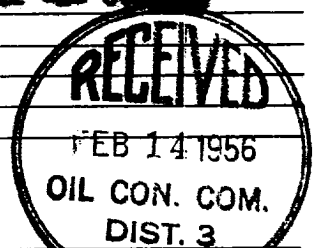
P_c = 1053 psia
Q = 1180 Mcf/day
P_w = 546 psia
P_d = 527 psia
D = 1227 Mcf/day

Company El Paso Natural Gas Company
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})	P _t ² (Column i)	P _t ² - P _w ²	P _w
<u>3614</u>	<u>.231</u>	<u>123.977</u>	<u>28,431</u>	<u>291,660</u>	<u>389,031</u>	<u>546</u>



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