

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 South Blanco Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease Rincon Well No. 52
Unit H Sec. 20 Twp. 27 Rge. 6 Pay Zone: From 3166 To 3233
Casing: OD 5 1/4 WT. 15.5 Set At 3166 Tubing: OD 1 WT. 1.68 T. Perf. 3193
Produced Through: Casing _____ Tubing I Gas Gravity: Measured _____ Estimated .670
Date of Flow Test: From 3/8 To 3/16 * Date S.I.P. Measured 7/21/55
Meter Run Size 4 Orifice Size _____ 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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.30)² x sp. const. 5 = _____ 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) 1065 psig + 12 = 1077 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1065 psig + 12 = 1077 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1077 psia (l)
Flowing Temp. (Meter Run) 42 °F + 460 _____ = 502 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 539 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{60}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 60 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{50}$ MCF/day
 $\frac{869,408}{1,087,856}$ $\frac{0.7992}{.8262}$

SUMMARY

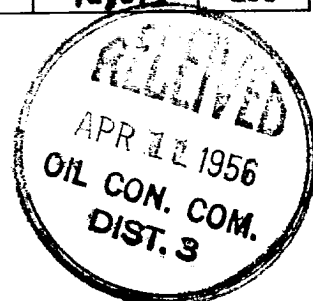
P_c = 1077 psia Company El Paso Natural Gas Company
Q = 60 Mcf/day By Original Signed
P_w = 268 psia Title Lewis D. Galloway
P_d = 539 psia Witnessed by _____
D = 50 Mcf/day Company _____

* 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>2139</u>	<u>.144</u>	<u>9.145</u>	<u>1.317</u>	<u>70,756</u>	<u>72,073</u>	<u>268</u>

D @ 250 = 60



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