

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 Co. Lease Rincon Well No. 50
Unit L Sec. 31 Twp. 27 Rge. 6 Pay Zone: From 3021 To 3092
Casing: OD 5 1/2 WT. 15.5 Set At 3028 Tubing: OD 1 WT. 1.68 T. Perf. 3050
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .645
Date of Flow Test: From 11/30 To 12/8 * Date S.I.P. Measured 9/13/55
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:
(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 (6.95) ² x sp. const. 5 _____ = 242 psia (g) ✓
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 242 psia (h) ✓
P_t = (h) + (f) _____ = 242 psia (i) ✓
Wellhead casing shut-in pressure (Dwt) 965 psig + 12 = 977 psia (j) ✓
Wellhead tubing shut-in pressure (Dwt) 965 psig + 12 = 977 psia (k) ✓
P_c = (j) or (k) whichever well flowed through _____ = 977 psia (l) ✓
Flowing Temp. (Meter Run) 49 °F + 460 _____ = 509 °Abs (m) ✓
P_d = 1/2 P_c = 1/2 (l) _____ = 489 psia (n) ✓

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{515}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 515 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{465}$ MCF/day
 $\frac{715,408}{806,351}$ $\frac{.8872}{.9034}$

SUMMARY

P_c = 977 psia
Q = 515 Mcf/day
P_w = 385 psia
P_d = 489 psia
D = 465 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}) R ²	P _t ² (Column 4)	P _t ² + R ²	P _w
<u>1967</u>	<u>.133</u>	<u>673,714</u>	<u>89,604</u>	<u>58,561</u>	<u>148,168</u>	<u>385</u>

D @ 250 = 510

OK

