

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 Pictured Cliff Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Company Lease Ripley Well No. 2-247
Unit B Sec. 24 Twp. 27N Rge. 7W Pay Zone: From 3173 To 3264
Casing: OD 5 1/2 WT. 14 Set At 3173 Tubing: OD 1 WT. 1.68 T. Perf. 3230
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated .735
Date of Flow Test: From 4-30-56 To 5-8-56 * Date S.I.P. Measured 9-17-55
Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Taps _____

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 (7.00)² x sp. const. 500 = 245 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 245 psia (h)
P_t = (h) + (f) _____ = 245 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ 971 psig + 12 = 983 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 983 psia (l)
Flowing Temp. (Meter Run) _____ 38 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 492 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{138}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 138 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{114}$ MCF/da.
724,225 .7991
906,264 .8264

SUMMARY

P_c = 983 psia Company El Paso Natural Gas Company
Q = 138 Mcf/day By Original Signed
P_w = 245 psia Title Lewis D. Galloway
P_d = 492 psia Witnessed by _____
D = 114 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 R ²	(1-e ^{-S}) P _t ² (Column i)	P _t ² + R ²	P _w

Friction Negligible

D @ 250 = 137

OK





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