

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 Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Rincon Unit Well No. 76
Unit H Sec. 34 Twp. 27 Rge. 7 Pay Zone: From 3000 To 3044
Casing: OD 5-1/2 WT. 15.5 Set At 3076 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3008
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .670 Estimated _____
Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 1-9-57 (17 days)
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 (7.25) ² x sp. const. 5 _____ = 263 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 263 psia (h)
P_t = (h) + (f) _____ = 263 psia (i)
Wellhead casing shut-in pressure (Dwt) 856 _____ psig + 12 = 868 psia (j)
Wellhead tubing shut-in pressure (Dwt) 856 _____ psig + 12 = 868 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 868 psia (l)
Flowing Temp. (Meter Run) 50 °F + 460 _____ = 510 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 434 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{340}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 340 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{292}$ MCF/day
 $\frac{565,068}{674,725}$ ⁿ $\frac{.8374}{.8600}$

SUMMARY

P_c = 868 psia
Q = 340 Mcf/day
P_w = 261 psia
P_d = 434 psia
D = 292 Mcf/day

Company El Paso Natural Gas
By R. L. Kendrick
Title _____
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
2015	.136	70.074	9,530		69,169	78,699	281

D at 250 = 340

