

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)

70-891-01

Pool Blanco Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Rincon Well No. 29
Unit A Sec. 22 Twp. 27 Rge. 6 Pay Zone: From 4884 To 5548
Casing: OD 7 WT. 23.0 Set At 4810 Tubing: OD 2 WT. 4.7 T. Perf. 4898
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .671 Estimated _____
Date of Flow Test: From 6/23/58 To 6/30/58 * Date S.I.P. Measured _____
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 (6.40) ² x sp. const. 15 _____ = 614 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 614 psia (h)
P_t = (h) + (f) _____ = 614 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 775 psia (j)
Wellhead tubing shut-in pressure (Dwt) 860 ~~870~~ psig + 12 = 787 ~~872~~ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 872 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 436 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{628}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 628 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{859}$ MCF/da.
570288 375963 1.5168 1.3672

SUMMARY

P_c = 872 psia Company El Paso Natural Gas
Q = 628 Mcf/day By Original Signed
P_w = 620 psia Title Harold L. Kendrick
P_d = 436 psia Witnessed by _____
D = 859 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
3287	213	34.857	7.425	376,996	384,421	620

+ Tubing perforated 3/24/58
D at 500 = 764

