

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)

72-050-01

Pool Blanco Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Flores Well No. 4-C (N)
Unit K Sec. 29 Twp. 28 Rge. 8 Pay Zone: From 4520 To 4756
Casing: OD 5-1/2 WT. 15.5 Set At 4786 Tubing: OD 2" WT. 4.7 T. Perf. 4676
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 726 Estimated _____
Date of Flow Test: From 4/29/58 To 5/7/58 * Date S.I.P. Measured 1/29/58
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: _____ = _____ 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 (7.20) ² x sp. const. 10 = 518 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 518 psia (h)
P_t = (h) + (f) = 518 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 1074 psig + 12 = 1086 psia (k)
P_c = (j) or (k) whichever well flowed through = 1086 psia (l)
Flowing Temp. (Meter Run) 76 °F + 460 = 536 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 543 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \underline{417}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 417 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{409}$ MCF/da.
884,547 .9744
907,705 .9807

SUMMARY

P_c = 1086 psia Company El Paso Natural Gas
Q = 417 Mcf/day By Original Signed
P_w = 521 psia Title Harold L. Kendrick
P_d = 543 psia Witnessed by _____
D = 409 Mcf/day Company _____

- * This is date of completion test.
- * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻⁸)	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
3395	.219	15.374	3,367	268,324	271,691	521

D at 500 = 419



