

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)

74-702-01

Pool South Blanco Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Jicarilla Well No. 10-F
Unit M Sec. 15 Twp. 26 Rge. 5 Pay Zone: From 3091 To 3153
Casing: OD 5-1/2 WT. 15.5 Set At 3193 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3111
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .670 Estimated _____
Date of Flow Test: From 11/29/58 To 12/7/58 * Date S.I.P. Measured 7/31/58
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:
(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 (6.90) ² x sp. const. 5 = 238 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 238 psia (h)
P_t = (h) + (f) = 238 psia (i)
Wellhead casing shut-in pressure (Dwt) 1059 psig + 12 = 1071 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1054 psig + 12 = 1066 psia (k)
P_c = (j) or (k) whichever well flowed through = 1066 psia (l)
Flowing Temp. (Meter Run) 56 °F + 460 = 516 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 533 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{593} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 593 $\left[\frac{(P_c^2 - P_d^2) = \text{852,267}}{(P_c^2 - P_w^2) = \text{1,049,656}} \right]^n \frac{.8119}{.8377} = \text{497} \text{ MCF/da.}$

SUMMARY

P_c = 1066 psia
Q = 593 Mcf/day
P_w = 294 psia
P_d = 533 psia
D = 497 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
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 i)	P _t ² + R ²	P _w
2084	.141	213.160	30,956	56,644	86,700	294

D at 250 = 587



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