

Initial Deliverability
Test

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)

74-587

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. 6-F
Unit 0 Sec. 22 Twp. 26 Rge. 5 Pay Zone: From 3038 To 3088
Casing: OD 5-1/2 WT. 15.5 Set At 3154 Tubing: OD 1-1/4 WT. 2.4 T. Perf. 3054
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .693 Estimated _____
Date of Flow Test: From 1/7/60 To 1/15/60 * Date S.I.P. Measured 6/22/59
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 (_____) ² x sp. const. 209 = 221 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 221 psia (h)
P_t = (h) + (f) _____ = 221 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 524 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 524 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 524 psia (l)
Flowing Temp. (Meter Run) 40 °F + 460 _____ = 500 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 262 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \underline{174} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 174 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{163} \text{ MCF/da.}$
 $\frac{205932}{223111}$ $\frac{.9230}{.9342}$

SUMMARY

P_c = 524 psia
Q = 174 Mcf/day
P_w = 222 psia
P_d = 262 psia
D = 163 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
2116	.143	18.353	2,624	48841	51465	227

D at 250 = 161



