

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFF, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

72-060-02

Pool South Blanco Formation Pictured Cliff County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Flamingo Well No. 4-6 (1)
Unit K Sec. 29 Twp. 28 Rge. 8 Pay Zone: From 2776 To 2904
Casing: OD 7-5/8 WT. 26.4 Set At 2904 Tubing: OD 1-1/2 WT. 2.4 T. Perf. 2904
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 0.92 Estimated _____
Date of Flow Test: From 4/29/58 To 5/7/58 * Date S.I.P. Measured 1/24/58
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 _____ = _____ psi (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.55) ² x sp. const. 5 = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 826 psig + 12 = 838 psia (j)
Wellhead tubing shut-in pressure (Dwt) 826 psig + 12 = 838 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 65 °F + 460 _____ = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

FLOW RATE CALCULATION

$$Q = \frac{\text{(integrated)}}{\left(\frac{V(c)}{V(d)} \right)} = \frac{296}{1} = 296 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 296 \left[\frac{838^2 - 296^2}{838^2 - 296^2} \right]^n = 296 \text{ MCF/da.}$$

SUMMARY

P_c = 838 psia
Q = 296 Mcf/day
P_w = 296 psia
P_d = 296 psia
D = 296 Mcf/day

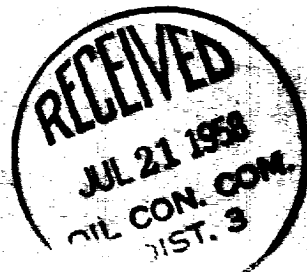
Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
Witnessed by _____
Company _____

* 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 1)	P _t ² + R ²	P _w
1902	.105	53.115	5.471	81.005	86.476	296

D at 290 = 301



6401

300-72-10
Mr. J. H. ...
E. J. ...