

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)

70-091-01

Pool Blanco Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Tapp Well No. 1
Unit H Sec. 22 Twp. 28 Rge. 8 Pay Zone: From 4000 To 4805
Casing: OD 7" WT. 23 Set At 4006 Tubing: OD 2" WT. 4.7 T. Perf. 3952
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .666 Estimated _____
Date of Flow Test: From 5/30/58 To 6/7/58 * Date S.I.P. Measured 4/24/57 (7)
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 (5.75) ² x sp. const. 30.15 = 496 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 496 psia (h)
P_t = (h) + (f) _____ = 496 psia (i)
Wellhead casing shut-in pressure (Dwt) 862 psig + 12 = 874 psia (j)
Wellhead tubing shut-in pressure (Dwt) 805 psig + 12 = 817 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 874 psia (l)
Flowing Temp. (Meter Run) 79 °F + 460 _____ = 539 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 437 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{ } }{\sqrt{(d)}} = \text{ } \right)^* = \underline{198}$ MCF/day
(Integrated)

DELIVERABILITY CALCULATION

D = Q 198 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{572907}{517,860} \right]^n \frac{1.1062^{.75}}{1.0786} = \underline{214}$ MCF/day.

SUMMARY

P_c = 874 psia
Q = 198 Mcf/day
P_w = 496 psia
P_d = 437 psia
D = 214 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
			Friction Negligible			

D at 500 = 193

Tubing perforated May 19, 1958

