

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)

Pool South Blanco Formation Pictured Cliff County Bio Arriba
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed _____

Operator El Paso Natural Gas Company Lease Rincon Well No. 119
Unit M Sec. 22 Twp. 27 Rge. 6 Pay Zone: From 3138 To 3172
Casing: OD 5-1/2 WT. 15-1/2 Set At 3233 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3148
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 727 Estimated _____
Date of Flow Test: From 10-15 To 10-22-58 * Date S.I.F. Measured 6-17-58 (20)
Meter Run Size _____ Orifice Size 1.500 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 (6.85) ² x sp. const. 5 _____ = 235 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 235 psia (h)
P_t = (h) + (f) _____ = 235 psia (i)
Wellhead casing shut-in pressure (Dwt) 1067 psig + 12 = 1079 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1069 psig + 12 = 1081 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1081 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 541 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\frac{V(c)}{V(d)}}{\sqrt{(c)}} \right)^* = \underline{706} \text{ MCF/day}$$

DELIVERABILITY CALCULATION

$$Q = Q \underline{706} \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{597} \text{ MCF/day}$$

SUMMARY

P_c = 1081 psia
Q = 706 Mcf/day
P_w = 318 psia
P_d = 541 psia
D = 597 Mcf/day

Company EL PASO NATURAL GAS COMPANY
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
<u>2289</u>	<u>.153</u>	<u>302.099</u>	<u>46,221</u>	<u>55,225</u>	<u>101,446</u>	<u>318</u>

D250 + 699

