

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)

Pool South Blanco Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Rincon Well No. 62
Unit P Sec. 28 Twp. 27 Rge. 6 Pay Zone: From 3168 To 3239
Casing: OD 5-1/2 WT. 15.5 Set At 3261 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3257
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .665 Estimated _____
Date of Flow Test: From 9/8/57 To 9/17/57 * Date S.I.P. Measured Dec. 19, 1956
Meter Run Size 4 Orifice Size 1.000 Type Chart Sq. Rt. Type Taps Flange

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 _____ = _____ psi (e)
Meter error (c) - (d) or (d) - (c) _____ ± _____
Friction loss, Flowing column to meter: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____
Seven day average static meter pressure (from meter chart):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (7.45) ² x sp. const. 500 = 278 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 278 psia (h)
P_t = (h) + (f) = 278 psia (i)
Wellhead casing shut-in pressure (Dwt) 1051 psig + 12 = 1063 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1051 psig + 12 = 1063 psia (k)
P_c = (j) or (k) whichever well flowed through = 1063 psia (l)
Flowing Temp. (Meter Run) 61 °F + 460 = 521 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 532 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{_____} = \text{_____} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

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

SUMMARY

P_c = 1063 psia
Q = 378 Mcf/day
P_w = 300 psia
P_d = 532 psia
D = 318 Mcf/day

Company El Paso Natural Gas
By Lewis D. Galloway
Title _____
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>2166</u>	<u>.146</u>	<u>86.602</u>	<u>12.644</u>	<u>77,284</u>	<u>89,928</u>	<u>300</u>

D at 250 = 381