

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 Elmore Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Co. Lease Rincon Unit Well No. 64
Unit H Sec. 23 Twp. 27N Rge. 7W Pay Zone: From 3118 To 3132
Casing: OD 5 1/2 WT. 15.5 Set At 3190 Tubing: OD 2 WT. 4.7 T. Perf. 3103
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .675 Estimated _____
Date of Flow Test: From 12/16 To 12/23 * Date S.I.P. Measured 11/1/56
Meter Run Size _____ Orifice Size _____ Type Chart Sq. Ed. 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 _____ = _____ 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 (7.6) ² x sp. const. .5 _____ = 289 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 289 psia (h)
P_t = (h) + (f) _____ = 289 psia (i)
Wellhead casing shut-in pressure (Dwt) 990 psig + 12 = 1004 psia (j)
Wellhead tubing shut-in pressure (Dwt) 990 psig + 12 = 1004 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1004 psia (l)
Flowing Temp. (Meter Run) 52 °F + 460 _____ = 512 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 502 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{334}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 334 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{282}$ MCF/day
 $\frac{756,012}{923,105} = \frac{.6189}{.8438}$

SUMMARY

P_c = 1004 psia
Q = 334 Mcf/day
P_w = 291 psia
P_d = 502 psia
D = 282 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Lewis D. Galloway
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>20 1/2</u>	<u>0.141</u>	<u>9.860</u>	<u>1.390</u>	<u>83,521</u>	<u>84,911</u>	<u>291</u>

D @ 250 = 339

OK



... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..

