

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)

72-093-01

Pool Blanco Formation Alma Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 30-6 Unit Well No. 28-33
Unit B Sec. 33 Twp. 30 Rge. 6 Pay Zone: From 5142 To 5624
Casing: OD 5-1/2 WT. 15.5 Set At 5670 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 5517
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .646 Estimated _____
Date of Flow Test: From 10/30/58 To 11/7/58 * Date S.I.P. Measured 6/16/58 (39)
Meter Run Size _____ Orifice Size 1.750 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 6.85 _____ psig + 12 = 469 psia (g)
Square root chart average reading (_____) ² x sp. const. 10 _____ = 469 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 469 psia (h)
P_t = (h) + (f) _____ = 1037 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 1038 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 1038 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1038 psia (l)
Flowing Temp. (Meter Run) 67 °F + 460 _____ = 527 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 525 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{1343}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 1343 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{1641}$ MCF/day
 $\frac{826875}{633268}$ $\frac{1.3057}{1.2218}$

SUMMARY

P_c = 1038 psia
Q = 1343 Mcf/day
P_w = 685 psia
P_d = 525 psia
D = 1641 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kenarick
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>3564</u>	<u>.228</u>	<u>1,093,294</u>	<u>249,271</u>	<u>219,961</u>	<u>469,232</u>	<u>685</u>

D at 500 = 1295

