

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)

71065 OWWO

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

Operator El Paso Natural Gas Lease San Juan 28-7 Well No. 28
Unit H Sec. 26 Twp. 28 Rge. 7 Pay Zone: From 4975 To 5675
Casing: OD 7 WT. 23 Set At 4935 Tubing: OD 2 WT. 4.7 T. Perf. 5025 (L)
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .661 Estimated _____
Date of Flow Test: From 5/30/59 To 6/7/59 * Date S.I.P. Measured 9/6/58
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 (7.05) ² x sp. const. 10 :: 497 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ :: 497 psia (h)
P_t = (h) + (f) _____ :: 497 psia (i)
Wellhead casing shut-in pressure (Dwt) 817 psig + 12 :: 829 psia (j)
Wellhead tubing shut-in pressure (Dwt) 814 psig + 12 :: 826 psia (k)
P_c = (j) or (k) whichever well flowed through _____ :: 826 psia (l)
Flowing Temp. (Meter Run) 82 °F + 460 _____ :: 542 °Abs (m)
P_d = ½ P_c = ½ (l) _____ :: 413 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \frac{\sqrt{(d)}}{\sqrt{(d)}}} \right)^* = \underline{335} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 335 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.1814}{1.1333} = \underline{380} \text{ MCF/da.}$

SUMMARY

P_c = 826 psia Company El Paso Natural Gas
Q = 335 Mcf/day By (Original Signed)
P_w = 499 psia Title Harold L. Kendrick
P_d = 413 psia Witnessed by _____
D = 380 Mcf/day 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 1)	P _t ² + R ²	P _w
3322	.215	9.923	2,133	247007	249142	499

D at 500 = 326

Old Well Work Over.
Installed Piston 4/1/59

