

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)

72-365

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 30-4 Well No. 28
Unit H Sec. 31 Twp. 30 Rge. 4 Pay Zone: From 6538 To 6924
Casing: OD 5.50 WT. 15.5 Set At 7002 Tubing: OD 2" WT. 4.7 T. Perf. 6884
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .637 Estimated _____
Date of Flow Test: From 12/30/58 To 1/7/59 * Date S.I.P. Measured 10/24/59 (23 days)
Meter Run Size _____ Orifice Size _____ Type Chart 58 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: _____ = _____ psi (f)
(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 (7.20) ² x sp. const. 10 = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 1150 psig + 12 = 1162 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1148 psig + 12 = 1160 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
P_c = (j) or (k) whichever well flowed through _____ = _____ psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = _____ °Abs (m)
P_d = ½ P_c = ½ (l) _____ = _____ psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(d)}} \right) = \underline{387} \text{ MCF/da}$
(integrated)

DELIVERABILITY CALCULATION

D = Q 387 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{369} \text{ MCF/da.}$
 $\frac{1,009,200}{1,073,661}$ $\frac{.9399}{.9546}$

SUMMARY

P_c = 1160 psia Company El Paso Natural Gas
Q = 387 Mcf/day By Original Signed
P_w = 522 psia Title Harold L. Kendrick
P_d = 580 psia Witnessed by _____
D = 369 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 i)	P _t ² + R ²	P _w
4385	.273	13.242	3,615	268,324	271,939	522

D at 900 = 389



OK

