

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)

72-133-01
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 29-7 Well No. 63
Unit H Sec. 10 Twp. 29 Rge. 7 Pay Zone: From 5022 To 5550
Casing: OD 7-5/8 WT. 26.4 Set At 3431 Tubing: OD 2 WT. 4.7 T. Perf. 5562
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .674 Estimated _____
Date of Flow Test: From 6/21/58 To 6/29/58 * Date S.I.P. Measured 5/28/58
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 (7.00) ² x sp. const. 10 = 490 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 490 psia (h)
P_t = (h) + (f) _____ = 490 psia (i)
Wellhead casing shut-in pressure (Dwt) 988 psig + 12 = 1000 psia (j)
Wellhead tubing shut-in pressure (Dwt) 951 psig + 12 = 963 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 963 psia (l)
Flowing Temp. (Meter Run) 83 °F + 460 _____ = 543 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 482 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{1342}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1342 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{1.0705}{1.0524} = \underline{1412}$ MCF/da.

SUMMARY

P_c = 963 psia
Q = 1342 Mcf/day
P_w = 527 psia
P_d = 482 psia
D = 1412 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
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	$\frac{(F_c Q)^2 (1-e^{-S})}{R^2}$	P _t ² (Column i)	P _t ² + R ²	P _w
3749	.239	159.189	38,046	240,100	278,146	527

D at 500 = 1310



