

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 Blanco Mesa Verde Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease San Juan 32-9 Well No. 35
Unit G Sec. 10 Twp. 31N Rge. 9W Pay Zone: From 5290 To 5621
Casing: OD 7 5/8 @ 5837-4997 WT 20 & 23 Set At 5195 Tubing: OD 2 WT. 4.7 T. Perf. 5735
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .635
Date of Flow Test: From 1/23/56 To 1/31/56 * Date S.I.P. Measured 10-3-55
Meter Run Size 4 Orifice Size _____ Type Chart Sq. Root 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) - (c) 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 (7.25) ² x sp. const. 10 _____ = 526 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 526 psia (h)
P_t = (h) + (f) _____ = 526 psia (i)
Wellhead casing shut-in pressure (Dwt) 996 psig + 12 = 1008 psia (j)
Wellhead tubing shut-in pressure (Dwt) 996 psig + 12 = 1008 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1008 psia (l)
Flowing Temp. (Meter Run) 66 °F + 460 _____ = 526 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 504 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(a)}}{\sqrt{(d)}} \right)^* = \underline{564}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 564 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{581}$ MCF/day
 $\frac{1.0399}{1.0298}$

SUMMARY

P_c = 1008 psia
Q = 564 MCF/day
P_w = 532 psia
P_d = 504 psia
D = 581 MCF/day

Company El Paso Natural Gas Company
By Lewis D. Gallaway
Title _____
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})	P _t ²	P _c ² + R ²	P _w
			R ²	(Column i)		
3642	.233	28.122	6,552	276,676	283,228	532

D @ 500 = 572

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