

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 South Blanco P.C. Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed April 12, 1956
Operator Candido Production Co Lease Candido Well No. 11
Unit A Sec. 3 Twp. 26N Rge. 7W Pay Zone: From _____ To _____
Casing: OD 5 1/2 WT. _____ Set At 2633 Tubing: OD 1 WT. _____ T. Perf. 2824
Produced Through: Casing _____ Tubing 1 Gas Gravity: Measured .655 Estimated _____
Date of Flow Test: From 3/23/56 To 3/31/56 * Date S.I.P. Measured 1/10/56
Meter Run Size 4 Orifice Size _____ Type Chart Sq Rt 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) - (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 (7.50)² x sp. const. 5.00 _____ = 281 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 281 psia (i)
Wellhead casing shut-in pressure (Dwt) 762 psig + 12 = 774 psia (j)
Wellhead tubing shut-in pressure (Dwt) 762 psig + 12 = 774 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 774 psia (l)
Flowing Temp. (Meter Run) 56 °F + 460 _____ = 514 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 387 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{470}{(\text{integrated})} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right) = \quad \text{MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{470}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{449,307}{446,976} \right]^n \cdot 1.0044} = 472 \text{ MCF/da.}$$

SUMMARY

P_c = 774 psia
Q = 470 Mcf/day
P_w = 380 psia
P_d = 387 psia
D = 472 Mcf/day

Company Geolastria, Inc
By W.J. McNamara W. J. McNamara
Title Agent
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 1)	P _t ² + R ²	P _w
1909	.130	561.121	72.945	70.961	151.907	389.7



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