

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 Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 1-14-65
Operator La Plata Gathering System, Inc. Lease San Juan 32-3 Unit Well No. 1-20
Unit L Sec. 20 Twp. 30N Rge. 5W Pay Zone: From 3428 To 3718
Casing: OD 5 1/2" WT. 17.500 Set At 7936 Tubing: OD 1 3/4" WT. 2.40 T. Perf. 3403
Produced Through: Casing _____ Tubing XXXX Gas Gravity: Measured 0.614 Estimated _____
Date of Flow Test: From 11-30-64 To 12-7-64 * Date S.I.P. Measured 12-27-63
Meter Run Size 4" Orifice Size 0.500 Type Chart L-10 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: _____ = _____ 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 (7.46) ² x sp. const. 10 = 555 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 555 psia (h)
P_t = (h) + (f) = 555 psia (i)
Wellhead casing shut-in pressure (Dwt) 1119 psig + 12 = 1131 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1120 psig + 12 = 1132 psia (k)
P_c = (j) or (k) whichever wellhead pressure is larger = 1132 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 = _____ °Abs (m)
P_d = ~~1132~~ 0.6 P_c = 906 psia (n)

Q = 32 (integrated) X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{FLOW RATE CALCULATION}}{\sqrt{(d)}} \right) = \underline{32} \text{ MCF/day}$

DELIVERABILITY CALCULATION

D = Q 32 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{18} \text{ MCF/day}$
0.75
0.5700

SUMMARY

P_c = 1132 psia
Q = 32 Mcf/day
P_w = 555 psia
P_d = 906 psia
D = 18 Mcf/day

Company La Plata Gathering System, Inc.
By W. M. Kelgo
Title Chief Engineer
Witnessed by _____
Company _____

JAN 18 1965

OIL CON. COM.
DIST. 3

* 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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
3317	0.214	0.6	0.1		306.0	306.1	555

No well pressures were available on this well. Therefore friction loss and meter error were assumed to be zero. That is pressure is that one taken in conjunction with the initial potential prior to the initial deliverability test.

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