

Initial Deliverability
Test

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 UNDESIGNATED Formation MESA VERDE County RIO ARRIBA
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed July 26, 1960
Operator LA PLATA CATHERING SYSTEM, INC. Well No. 1-32
Unit N Sec. 12 Twp. 10N Rge. 5W Pay Zone: From 5900' To 5910'
Casing: OD 2-1/2" WT. 19.54 Set At 3575 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 5808
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 0.596 Estimated _____
Date of Flow Test: From 6-15-60 To 6-22-60 * Date S.I.P. Measured August 20, 1959
Meter Run Size 4" Orifice Size 1.500 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 (7.30) ² x sp. const. 10 _____ = 533 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 533 psia (h)
P_t = (h) + (f) _____ = 533 psia (i)
Wellhead casing shut-in pressure (Dwt) 1179 psig + 12 = 1191 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1100 psig + 12 = 1192 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1191 1192 psia (l)
Flowing Temp. (Meter Run) 85 °F + 460 _____ = 545 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 586 596 psia (n)

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

DELIVERABILITY CALCULATION

D = Q 619 $\left[\frac{(P_c^2 - P_d^2) = \underline{1,075,100}}{(P_c^2 - P_w^2) = \underline{1,187,100}} \right]^n \underline{0.9652} = \underline{597}$ MCF/da.

SUMMARY

P_c = 1191 1192 psia
Q = 619 Mcf/day
P_w = 540 psia
P_d = 586 596 psia
D = 597 Mcf/day

Company LA PLATA CATHERING SYSTEM, INC.
By Clifford L. Foster
Title Engineer
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 i)	P _t ² + R ²	P _w
3426	0.221	33,870	7,485	284,099	291,574	540



