

Initial Deliverability
Test

Form C-122-A
Revised April 20, 1955

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 Formation PICTURED CLIFF County RA
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed OCT. 25, 1957
Operator SMELLY OIL CO. Lease JICARILLA "C" Well No. 7
Unit P Sec. 21 Twp. 25N Rge. 5W Pay Zone: From 2749 To 2799
Casing: OD 5 1/2 WT. _____ Set At 2851 Tubing: OD _____ WT. _____ T. Perf. _____
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From _____ To _____ * Date S.I.P. Measured 11 - 26 - 56
Meter Run Size 4" Orifice Size 1.500 Type Chart SR 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 (7.15)² x sp. const. 500 = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) 790 psig + 12 = 802 psia (j)
Wellhead tubing shut-in pressure (Dwt) 810 psig + 12 = 822 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 822 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 411 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{\left(\frac{V(c)}{V(d)} \right)^{1/2}}{\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right)^{1/2}} \times \text{_____} = \text{_____ MCF/day}$$

(Integrated)

DELIVERABILITY CALCULATION

$$D = Q \frac{\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right)^{1/2}}{\left(\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right)^{1/2}} = \text{_____ MCF/day}$$

625 506,763 .8540 534

SUMMARY

P_c = 822 psia
Q = 625 Mcf/day
P_w = 256 psia
P_d = 411 psia
D = 534 Mcf/day

Company GEOLLECTRIC, INC.
By B H KEYS
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w

RECEIVED

OCT 25 1957

OIL CON. COM.
DIST. 3

