

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 OTERO Formation CHACRA County RA
Purchasing Pipeline EL PASO NATURAL GAS CO. Date Test Filed Oct. 25, 1957
Operator SKELLY OIL CO. Lease JICARILLA Well No. 9
Unit K Sec. 28 Twp. 25N Rge. 5W Pay Zone: From 3470 To 3512
Casing: OD 5 1/2 WT. _____ Set At 3506 Tubing: OD _____ WT. _____ T. Perf. _____
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .660 Estimated _____
Date of Flow Test: From _____ To _____ * Date S.I.P. Measured 1 - 5 - 57
Meter Run Size 4" Orifice Size 1.000 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) _____ = 256 psia (h)
P_t = (h) + (f) _____ = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 90 psig + 12 = 912 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 912 psia (l)
Flowing Temp. (Meter Run) 65 °F + 460 _____ = 525 ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 456 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

D = Q 601 $\left[\frac{(P_c^2 - P_d^2) = \frac{623,908}{766,208}}{(P_c^2 - P_w^2) = \frac{623,908}{766,208}} \right]^n = \frac{.8771}{.8771} = \frac{527}{527}$ MCF/day.

SUMMARY

P _c =	<u>912</u>	psia	Company	<u>GELECTRIC, INC</u>
Q =	<u>601</u>	Mcf/day	By	<u>B. H. KEYES</u>
P _w =	<u>256</u>	psia	Title	<u>AGENT</u>
P _d =	<u>456</u>	psia	Witnessed by	_____
D =	<u>527</u>	Mcf/day	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



