

Initial Deliverability Test

Form O-225-A
Revised April 27, 1955

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, BERRYVILLE, & ALL DAMITA EXCEPT BARKER DOME STORAGE AREA)

Pool Lower San Juan Formation San Juan County San Juan
 Purchasing Pipeline NEW MEXICO ENERGY SERVICES CORPORATION Core Test Filed 1-15-57
 Operator NEW MEXICO ENERGY SERVICES CORPORATION Lease San Juan 25-1 Well No. _____
 Unit 6 Sec. 3 Twp. 36N Rge. 4W Pay Zone: From 100' To 150'
 Casing: OD 2 1/2 WT. 11.4 Set At 577' Tubing: OD 2 1/8 WT. 8.3 F. Perf. 100'
 Produced Through: Casing _____ Tubing XX Gas Gravity: Measured _____ Estimated _____
 Date of Flow Test: From 1-15-57 To 1-15-57 * Date S.I.P. Measured 1-15-57
 Meter Run Size _____ Orifice Size _____ Type Chart _____ Type Taps _____

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 (e)
 Meter error (c) - (d) or (d) - (c) _____ ± _____ psia (f)
 Friction loss, Flowing column to meter:
 (b) - (c) Flow through tubing; (a) - (c) Flow through casing _____ = _____ psia (g)
 Seven day average static meter pressure (from meter chart):
 Normal chart average reading 587 psig + 12 = 599 psia (h)
 Square root chart average reading (_____)² x sp. const. _____ = _____ psia (i)
 Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (j)
 P_t = (h) + (f) _____ = _____ psia (k)
 Wellhead casing shut-in pressure (Dwt) 1126 psig + 12 = 1138 psia (l)
 Wellhead tubing shut-in pressure (Dwt) 1033 psig + 12 = 1045 psia (m)
 P_c = (j) or (k) whichever well flowed through _____ = _____ psia (n)
 Flowing Temp. (Meter Run) _____ °F + 460 _____ = _____ °R (o)
 P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (p)

FLOW RATE CALCULATION

Q = 395 (Integrated) X $\left(\frac{\sqrt{(c)} - \sqrt{(d)}}{\sqrt{(a)}} \right) = \underline{\underline{395}}$ MCF/day

DELIVERABILITY CALCULATION

D = Q 395 $\left[\frac{(P_c^2 - P_d^2) - (P_c^2 - P_w^2)}{P_c^2 - P_w^2} \right]^n \frac{(1.01 \times 10^{-8})}{1.01 \times 10^{-8}} = \underline{\underline{395}}$ MCF/day

SUMMARY

P_c = 1138 psia
 Q = 395 Mcf/day
 P_w = 1045 psia
 P_d = 1045 psia
 D = 395 Mcf/day

Company NEW MEXICO ENERGY SERVICES CORPORATION
 By _____
 Title _____
 Witnessed by _____
 Company _____



* This is date of completion test.
 * Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻⁸)	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸) R ²	P _t ² (Column 3)	P _t ²
<u>1075</u>	<u>0.893</u>	<u>31.83</u>	<u>0.876</u>	<u>1138</u>	<u>1295</u>

OK

