

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 P.C. Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed December 21, 1955
Operator Candidate Production Co Lease Candidate Well No. 8
Unit A Sec. A Twp. 26N Rge. 7W Pay Zone: From _____ To _____
Casing: OD 5 1/2 WT. _____ Set At 2047 Tubing: OD 1 1/2 WT. _____ T. Perf. 2075
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .640 Estimated _____
Date of Flow Test: From 11/24/55 To 12/1/55 * Date S.I.P. Measured 10/5/55
Meter Run Size 4" Orifice Size _____ Type Chart 34 RB 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 (7.05)² x sp. const. 5.00 = 249 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 249 psia (i)
Wellhead casing shut-in pressure (Dwt) 631 psig + 12 = 643 psia (j)
Wellhead tubing shut-in pressure (Dwt) 754 psig + 12 = 766 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 768 754 psia (l)
Flowing Temp. (Meter Run) 54 °F + 460 _____ = 514 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 384 378 psia (n)

FLOW RATE CALCULATION

Q = 325 X $\left(\frac{\sqrt{(a)} - \sqrt{(d)}}{\sqrt{(c)} - \sqrt{(d)}} \right)^2 = \underline{\underline{325}}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 325 $\left[\frac{(P_c^2 - P_d^2) - (P_c^2 - P_w^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{\underline{282}}$ MCF/da.
 $\frac{.8508^n}{.8719}$

SUMMARY

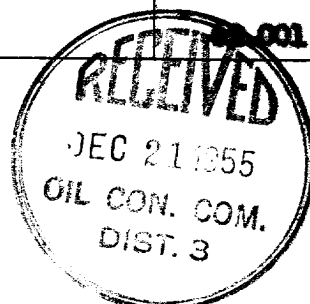
P_c = 754 768 psia
Q = 325 Mcf/day
P_w = 244 psia
P_d = 378 384 psia
D = 280 Mcf/day

Company Geoslectric, Inc
By H. J. McCarthy H. J. McCarthy
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 (1-e ^{-S}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>1840</u>	<u>.125</u>	<u>63.239</u>	<u>7.905</u>	<u>69.001</u>	<u>69.906</u>	<u>244.4</u>



OIL CONSERVATION COMMISSION	
FIELD INVESTIGATION	
No. C-100-100-1-1	2
Field No. 100-1-1	
Location	1
County	1
State	1
Section	1
Range	1
Latitude	1
Longitude	1
Remarks	1