

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 Elancho IV Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed Jan 12, 1956

Operator Blackwood & Nichols Lease RE Elancho Unit Well No. 29-13
Unit A Sec. 13 Twp. 30N Rge. 6W Pay Zone: From _____ To _____
Casing: OD 5 1/2 WT. _____ Set At 9049 Tubing: OD 2" WT. _____ T. Perf. 5536
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From 11/24/55 To 12/1/55 * Date S.I.P. Measured _____
Meter Run Size 4" Orifice Size _____ Type Chart 29 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 (7.45) ² x sp. const. 10.000 _____ = 555 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 595 psia (i)
Wellhead casing shut-in pressure (Dwt) 1096 psig + 12 = 1098 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1098 psia (l)
Flowing Temp. (Meter Run) 80 °F + 460 _____ = 540 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 549 psia (n)

Q = 2403 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right) = \text{_____ MCF/day}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 2403 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{1.1177}{1.1177} = \text{_____ MCF/day}$

SUMMARY

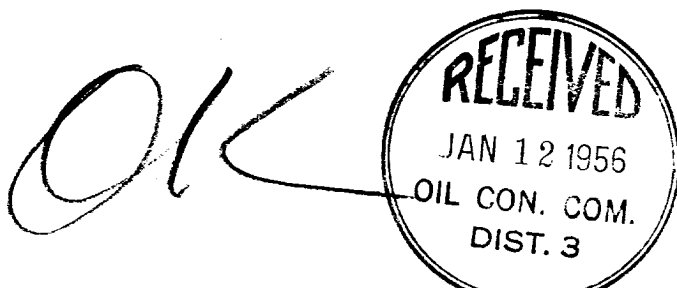
P_c = 1098 psia
Q = 2403 Mcf/day
P_w = 652 psia
P_d = 540 psia
D = 2403 Mcf/day

Company Geolatria, Inc
By H. J. McCauley 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 l)	P _t ² + R ²	P _w
<u>3598</u>	<u>.230</u>	<u>510.443</u>	<u>117.402</u>	<u>308.025</u>	<u>425.427</u>	<u>652.3</u>



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