

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 Elance Mesaverde Formation Mesaverde County El Arriba
Purchasing Pipeline El Paso Natural Gas Co Date Test Filed 12/30/55

Operator Blackwood & Nichols Lease NE Elance Unit Well No. 17-9
Unit L Sec. 9 Twp. 30N Rge. 7W Pay Zone: From _____ To _____
Casing: OD 2 1/2 WT. _____ Set At 5420 Tubing: OD 2" WT. _____ T. Perf. 5906
Produced Through: Casing _____ Tubing I Gas Gravity: Measured _____ Estimated .66
Date of Flow Test: From 11/22/55 To 11/30/55 * Date S.I.P. Measured 7-8-55
Meter Run Size 4" Orifice Size _____ Type Chart 84 B 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 (7.90) ² x sp. const. 10.00 _____ = 62 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 62 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ 1105 psig + 12 = _____ 1117 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ 1105 psig + 12 = _____ 1117 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1117 psia (l)
Flowing Temp. (Meter Run) _____ 87 °F + 460 _____ = 547 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 559 psia (n)

Q = 2062 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \dots = \dots} \right)^* = \dots$ MCF/da
(integrated) $\sqrt{(d)}$

DELIVERABILITY CALCULATION
D = Q 2062 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \dots$ MCF/da
935,208 911,000 772,115 1.1536 1.1600 2379 450

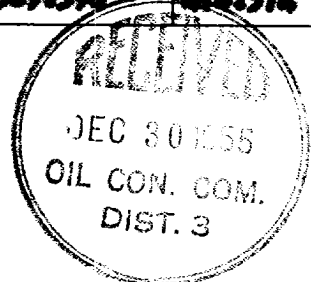
SUMMARY
P_c = 1117 psia
Q = 2062 Mcf/day
P_w = 60 psia
P_d = 559 psia
D = 2379 Mcf/day
Company Geologica, Inc
By E.J. McCarthy W.J. McCarthy
Title Agent
Witnessed by _____
Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ^{-S})	(F _c Q) ²	(FcQ) ² R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
<u>36%</u>	<u>.292</u>	<u>375.052</u>	<u>67.390</u>		<u>309.596</u>	<u>436.976</u>	<u>600.3</u>

Q/c



OIL CONSERVATION COMMISSION

STATE OF TEXAS
LAND OFFICE

Oil Conservation Report No. 3

Well Name	Production	Conservation
1		
1		
1		✓