

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 Alamosa Formation W County _____
Purchasing Pipeline KPTG Date Test Filed _____

Operator Blackburn & Nichols Lease EE Alamosa Unit Well No. 54-33
Unit 1 Sec. 33 Twp. 30N Rge. 7W Pay Zone: From 5305 To 5772
Casing: OD 5 1/2 WT. _____ Set At 9654 Tubing: OD 2 WT. 4.7 T. Perf. 5495
Produced Through: Casing _____ Tubing 1 Gas Gravity: Measured .600 Estimated _____
Date of Flow Test: From 12-3-57 To 12-11-57* Date S.I.P. Measured 6-13-57
Meter Run Size _____ Orifice Size 1.500 Type Chart 32 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 (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 (7.25) ² x sp. const. 10 _____ = 526 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = 526 psia (i)
Wellhead casing shut-in pressure (Dwt) 1098 psig + 12 = 1110 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1110 psia (l)
Flowing Temp. (Meter Run) 68 °F + 460 _____ = 508 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 555 psia (n)

Q = 1673 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \text{_____ MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1673 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.02\%}{(1.02\%)^2} = \text{_____ MCF/da.}$

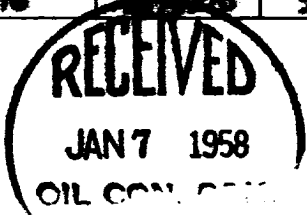
SUMMARY

P_c = 1110 psia
Q = 1673 Mcf/day
P_w = 526 psia
P_d = 555 psia
D = 1702 Mcf/day
Company Geoscience, Inc.
By D. H. Stiles
Title Agent
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 R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>3297</u>	<u>.213</u>	<u>247,417</u>	<u>32,700</u>	<u>276,676</u>	<u>276,676</u>	<u>974</u>



OK