

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 Otero P C Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline N El Paso Natural Gas Company Date Test Filed 4-23-56
Operator Ken Blackford Lease Jicarilla Apache Well No. 1-25
Unit G Sec. 25 Twp. 24 N Rge. 5 W Pay Zone: From 2422' To 2475'
Casing: OD 5 1/2 WT. 14# Set At 2422' Tubing: OD 2" WT. 4.70# T. Perf. 2418'
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .690 Estimated _____
Date of Flow Test: From 3-9-56 To 3-17-56 * Date S.I.P. Measured 10-26-55
Meter Run Size 4" Orifice Size 0.500 Type Chart Sq Root 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 (8.35) ² x spring constant 500 = _____ 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 (8.35) ² x sp. const. 500 = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 715 psig + 12 = 727 psia (j)
Wellhead tubing shut-in pressure (Dwt) 715 psig + 12 = 727 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 727 psia (l)
Flowing Temp. (Meter Run) 40 °F + 460 _____ = 500 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 364 psia (n)

Q = 94 (integrated) X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{94} \text{ MCF/da}$

D = Q 94 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{92} \text{ MCF/da.}$
 $\frac{.9737}{.9776}$

SUMMARY

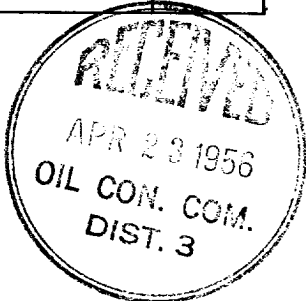
P_c = 727 psia
Q = 94 Mcf/day
P_w = 349 psia
P_d = 364 psia
D = 92 Mcf/day

Company Ken Blackford
By Ken Blackford
Title Operator
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
			Friction Negligible			



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