

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 Klance Formation Mesa Verde County Rio Arriba
Purchasing Pipeline Kl Pace Natural Gas Company Date Test Filed _____
Operator Kl Pace Natural Gas Lease from June 28-7 Well No. 47
Unit A Sec. N6E20 Twp. 28N Rge. 7W Pay Zone: From 4303 To 5052
Casing: OD 5 1/2 WT. 15.5 Set At 5107 Tubing: OD 2 WT. 4.7 T. Perf. 4982
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .695 Estimated _____
Date of Flow Test: From 6/22 To 6/30 * Date S.I.P. Measured 1/22/56
Meter Run Size 4 Orifice Size _____ Type Chart Sq. 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 (7.30) ² x sp. const. 10 _____ = 533 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 533 psia (h)
P_t = (h) + (f) _____ = 533 psia (i)
Wellhead casing shut-in pressure (Dwt) 995 psig + 12 = 1007 psia (j)
Wellhead tubing shut-in pressure (Dwt) 985 psig + 12 = 997 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 997 psia (l)
Flowing Temp. (Meter Run) 87 °F + 460 _____ = 547 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 499 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{1506}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1506 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{1.1199}{1.0686} = \underline{1639}$ MCF/da.

SUMMARY

P_c = 997 psia
Q = 1506 Mcf/day
P_w = 573 psia
P_d = 499 psia
D = 1639 Mcf/day

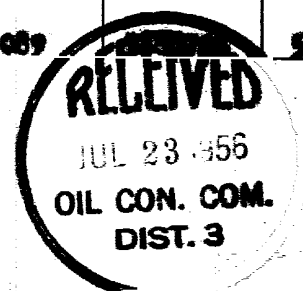
Company Kl Pace Natural Gas Company
By Original Signed
Title Lewis D. Galloway
Witnessed by _____
Company _____

- * 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 1)	P _t ² + R ²	P _w
<u>21.62</u>	<u>.223</u>	<u>200.477</u>	<u>44.706</u>	<u>284.089</u>	<u>328.795</u>	<u>573</u>

D. e 500 = 1541



0324

Yves de la Torre, *La Jolla*

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(continued)

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[illegible]

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1973). The total chlorophyll content was determined by the method of Arar and Cook (1980). The carotenoid content was determined by the method of Lichtenthaler and Whistler (1973).

OIL CONSERVATION COMMISSION

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