

1 - Bureau
1 - District Office
2 - Oil State Geological Survey
2 - State Engineer's Office
1 - File

Form C-122-A
Revised April 20, 1955

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 BLAND Formation MESAVERDE County BLA ANCHUTZ
Purchasing Pipeline PACIFIC SOUTHERN PIPELINE CORPORATION Date Test Filed JAN 17 1957
Operator EL PASO ENERGY CO. Lease ONE JOINT UNIT 22-4 Well No. 47-46
Unit 3 Sec. 25 Twp. 22N Rge. 4E Pay Zone: From 2005 To 2700
Casing: OD 7" WT. 20.453 Set At 2040 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 2000
Produced Through: Casing Tubing X Gas Gravity: Measured Estimated .65
Date of Flow Test: From 12-19-56 To 12-27-56 * Date S.I.P. Measured 7-29-55
Meter Run Size Orifice Size Type Chart 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 () ² x sp. const. 700 = 700 psia (g)
Corrected seven day avg. meter press. (p_f) (g) + (e) = 700 psia (h)
P_t = (h) + (f) = 700 psia (i)
Wellhead casing shut-in pressure (Dwt) 960 psig + 12 = 972 psia (j)
Wellhead tubing shut-in pressure (Dwt) 750 psig + 12 = 762 psia (k)
P_c = (j) or (k) whichever well flowed through 762 = 762 psia (l)
Flowing Temp. (Meter Run) 79 °F + 460 = 539 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 381 psia (n)

Q = 805 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{ }{\text{ }}}{\text{ }} = \text{ } \right) = \text{ } \text{MCF/da}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 805 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{960^2 - 381^2}{960^2 - 762^2} = 0.6045 \right]^n \frac{(1.102 \times 10^{-7})}{1.3178} = \text{ } \text{MCF/da.}$

SUMMARY

P_c = 762 psia
Q = 805 Mcf/day
P_w = 762 psia
P_d = 381 psia
D = 805 Mcf/day

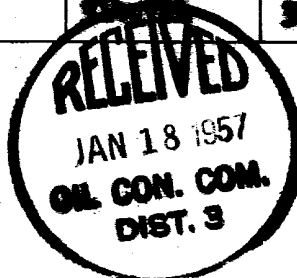
Company PACIFIC SOUTHERN PIPELINE CORPORATION
By WILLIAM E. ALLEN
Title WELL TEST ENGINEER
Witnessed by
Company

* 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
<u>307</u>	<u>.205</u>	<u>9790</u>	<u>1980</u>	<u>762</u>	<u>380,642</u>	<u>773</u>

OK



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 100-1-4
 100-1-5

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 100-1-6 100-1-7 100-1-8 100-1-9 100-1-10
 100-1-11 100-1-12 100-1-13 100-1-14 100-1-15

Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
U	E	Oper.	EPNG	Lse.						No.

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