

3-M.M. U.C.C. Area
1-L.G. Truby
2-Phillips Pet.
2-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

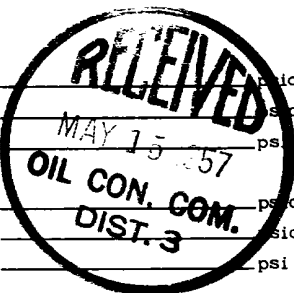
(TO BE USED FOR FRUITLAND, PICTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool Blanco Mesa Verde Formation Mesa Verde County Rio Arriba
Purchasing Pipeline Pacific Northwest Date Test Filed 5-1-57

Operator Pacific Northwest Lease San Juan 29-5 Well No. 96-33
Unit L Sec. 33 Twp. 29 Rge. 5 Pay Zone: From 5274 To 5788
Casing: OD 5 1/2 WT. Set At 5986 Tubing: OD 2 3/8 WT. T. Perf. 5748
Produced Through: Casing IX Tubing IX Gas Gravity: Measured Estimated 650
Date of Flow Test: From 3-17-57 To 3-25-57 * Date S.I.P. Measured 10-11-56
Meter Run Size Orifice Size Type Chart Type Taps

OBSERVED DATA

Flowing casing pressure (Dwt) psig + 12 = (a)
Flowing tubing pressure (Dwt) psig + 12 = (b)
Flowing meter pressure (Dwt) psig + 12 = (c)
Flowing meter pressure (meter reading when Dwt. measurement taken:
Normal chart reading psig + 12 = (d)
Square root chart reading () ² x spring constant = (d)
Meter error (c) - (d) or (d) - (c) ± (e)
Friction loss, Flowing column to meter:
(b) - (c) Flow through tubing: (a) - (c) Flow through casing = (f)
Seven day average static meter pressure (from meter chart):
Normal chart average reading 549 psig + 12 = 561 (g)
Square root chart average reading () ² x sp. const. = (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = (h)
P_t = (h) + (f) = 561 (i)
Wellhead casing shut-in pressure (Dwt) 1081 psig + 12 = 1093 (j)
Wellhead tubing shut-in pressure (Dwt) 1082 psig + 12 = 1094 (k)
P_c = (j) or (k) whichever well flowed through = 1094 (l)
Flowing Temp. (Meter Run) 6.5 °F + 460 = °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 547 (n)



Q = 688 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right) =$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 688 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n \frac{(1.0292)^{.75}}{1.0218} =$ 703 MCF/da.

SUMMARY

P_c = 1094 psia
Q = 688 Mcf/day
P_w = 570 psia
P_d = 547 psia
D = 703 Mcf/day

Company Pacific Northwest Pipeline
By Original signed by G. H. Pearson
Title District Production 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
3736	0.238	41.848	9.960	314.721	324.681	570

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NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Form C-110
Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Company or Operator El Paso Natural Gas Company Lease San Juan 29-5 Unit

Well No. 36-33 Unit Letter L S 33 T 29N R 5W Pool Blanco Mesaverde

County Rio Arriba Kind of Lease (State, Fed. or Patented) Fee

If well produces oil or condensate, give location of tanks: Unit S T R

Authorized Transporter of Oil or Condensate El Paso Natural Gas Products

Address _____
(Give address to which approved copy of this form is to be sent)

Authorized Transporter of Gas El Paso Natural Gas Company

Address Box 997, Farmington, New Mexico Date Connected _____

(Give address to which approved copy of this form is to be sent)
If Gas is not being sold, give reasons and also explain its present disposition:

Reasons for Filing: (Please check proper box) New Well _____ ()

Change in Transporter of (Check One): Oil () Dry Gas () C'head () Condensate ()

Change in Ownership _____ () Other _____ ()
(Give explanation below)

Remarks:
The merger of Pacific Northwest Pipeline Corporation into El Paso Natural Gas Company was effective January 1, 1960 and as a matter of record only, El Paso Natural Gas Company is filing this C-110 showing the change of operator and also the change of transporter of gas.

The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 5th day of February 19 60

By Original Signed C. D. COX

Approved MAR 29 1960 19 60

Title Petroleum Engineer

OIL CONSERVATION COMMISSION
Original Signed By
By A. R. KENDRICK

Company El Paso Natural Gas Company

Address Box 997

Title PETROLEUM ENGINEER DIST. NO. 3

Farmington, New Mexico

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