

3-ANNEK Artes
1-MILL Outlier
2-Willow
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 El Paso Formation Mesa Verde County El Arroyo
Purchasing Pipeline EL PASO NATURAL GAS COMPANY Date Test Filed 9-25-58
Operator PACIFIC NORTHWEST PIPELINE Lease Rosa Well No. 26-32
Unit A Sec. 32 Twp. 31N Rge. 9W Pay Zone: From 5544' To 5750'
Casing: OD 5 1/2" WT. 24.75 Set At 6004' Tubing: OD 1-1/4" WT. 2.44 T. Perf. 5071'
Produced Through: Casing --- Tubing XXX Gas Gravity: Measured .595 Estimated ---
Date of Flow Test: From 6-29-58 To 7-7-58 * Date S.I.P. Measured 10-15-58
Meter Run Size --- Orifice Size 1.000 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 6.85 psig + 12 = 10.00 psia (g)
Square root chart average reading (---) ² x sp. const. --- = --- 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) 1220 psig + 12 = 1232 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1220 psig + 12 = 1232 psia (k)
P_c = (j) or (k) whichever well flowed through --- = 1232 psia (l)
Flowing Temp. (Meter Run) 66 °F + 460 --- = --- °Abs (m)
P_d = 1/2 P_c = 1/2 (l) --- = 616 psia (n)

FLOW RATE CALCULATION

Q = 611 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^*$ = --- MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 611 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$ $\frac{0.9128}{0.9339}$ = 571 MCF/da.

SUMMARY

P_c = 1232 psia
Q = 611 Mcf/day
P_w = 980 psia
P_d = 616 psia
D = 571 Mcf/day

Company PACIFIC NORTHWEST PIPELINE
By Original signed by G. H. Peppin
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
<u>3492</u>	<u>0.224</u>	<u>226.292</u>	<u>50.60</u>	<u>219.961</u>	<u>270.690</u>	<u>980</u>

