

3-ammcc
1-L.A. Brady
1-Frank Partridge
1-H.C. Frederick
1-File
1-SPMS

Form C-122-A
Revised April 20, 1955

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 WILSON Formation PICTURED CLIFFS County RIO ARriba
Purchasing Pipeline El Paso Natural Gas Co. Date Test Filed 7-19-56
Operator Pacific Northwest PL Corp. Lease 29-1 Unit Well No. 44
Unit B Sec. 35 Twp. 29N Rge. 4W Pay Zone: From 3046' To 4036'
Casing: OD 7" WT. 20 Set At 4111' Tubing: OD 1" WT. 1.7 T. Perf. 4049
Produced Through: Casing XX Tubing _____ Gas Gravity: Measured _____ Estimated .600
Date of Flow Test: From 7-1-56 To 7-9-56 * Date S.I.P. Measured 11-1-55
Meter Run Size 4" Orifice Size _____ Type Chart EM 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 (7.31)² x sp. const. 10 _____ = 534 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 534 psia (h)
P_t = (h) + (f) _____ = 534 psia (i)
Wellhead casing shut-in pressure (Dwt) 844 psig + 12 = 856 psia (j)
Wellhead tubing shut-in pressure (Dwt) 844 psig + 12 = 856 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 856 psia (l)
Flowing Temp. (Meter Run) 74 °F + 460 _____ = 534 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

Q = _____ X (integrated) ()
FLOW RATE CALCULATION
 $\frac{V(c)}{V(d)} = \frac{\text{_____}}{\text{_____}} = \text{_____}$ MCF/day

DELIVERABILITY CALCULATION
D = Q 48 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{.85} = \frac{549,532}{147,580}^{.85} \frac{1.888}{1.191} = \underline{77}$ MCF/day.

SUMMARY
P_c = 856 732.736 psia
Q = 48 Mcf/day
P_w = 534 885.156 psia
P_d = 534 183.184 psia
D = 77 Mcf/day

Company PACIFIC NORTHWEST PIPELINE CORPORATION
By W. D. Richardson
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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
<u>P_v - P_t</u>							

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