

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 Hilmar Formation New Verde County El Arriba
Purchasing Pipeline PACIFIC NORTHWEST PIPELINE Date Test Filed 7-16-58
Operator PACIFIC NORTHWEST Lease San Juan 23-6 Well No. 43-06
Unit 0 Sec. 06 Twp. 33N Rge. 02 Pay Zone: From 5094' To 5660'
Casing: OD 5 1/2" WT. 14.0 Set At 5700' Tubing: OD 1-1/4" WT. 2.34 T. Perf. 5600'
Produced Through: Casing _____ Tubing 1-1/4" Gas Gravity: Measured .719 Estimated _____
Date of Flow Test: From 6-01-58 To 6-03-58 * Date S.I.P. Measured 3-01-58
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 463 psig + 12 = 475 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 475 psia (h)
P_t = (h) + (f) _____ = 475 psia (i)
Wellhead casing shut-in pressure (Dwt) 1107 psig + 12 = 1119 psia (j)
Wellhead tubing shut-in pressure (Dwt) 973 psig + 12 = 987 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 987 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 536 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 493.5 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{719}{(\text{integrated})} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{_____ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{719}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n} \frac{1.093}{1.059} = \text{_____ MCF/da.}$$

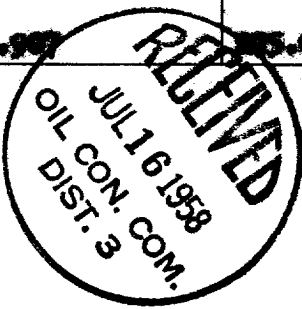
SUMMARY

P_c = 987 psia Company PACIFIC NORTHWEST PIPELINE
Q = 719 Mcf/day By Original signed by G. H. Reppin
P_w = 983 psia Title District Production Engineer
P_d = 493.5 psia Witnessed by _____
D = 769 Mcf/day 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>1042</u>	<u>0.255</u>	<u>313.362</u>	<u>79.997</u>	<u>305.605</u>	<u>305.532</u>	<u>953</u>



2

1

10

[illegible][illegible]

Figure 6. The effect of the concentration of the inhibitor on the rate of polymerization of styrene initiated by AIBN at 70°C. [Styrene] = 1.0 mol/L; [AIBN] = 0.001 mol/L; [Inhibitor] = 0.0001–0.001 mol/L. (●) DCP; (○) BPO; (□) KPS; (△) K₂S₂O₈.

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