

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 Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed January 26, 1956

Operator Pacific Northwest Pipeline Corp. Lease 31-6 Well No. #6-1
Unit L Sec. 1 Twp. 30N Rge. 7W Pay Zone: From 5585 To 5925
Casing: OD 7" WT. 20# Set At 5225 Tubing: OD 2" WT. 4.7# T. Perf. 5854*
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .650
Date of Flow Test: From 11-1-55 To 11-9-55 * Date S.I.P. Measured 8-11-55
Meter Run Size 4" Orifice Size 1.250 Type Chart S.R. 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 const. = _____ 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 (7.0) ² x sp. const. 10 = 490 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 490 psia (h)
P_t = (h) + (f) = 490 psia (i)
Wellhead casing shut-in pressure (Dwt) 1108 psig + 12 = 1120 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1112 psig + 12 = 1124 psia (k)
P_c = (j) or (k) whichever well flowed through = 1124 psia (l)
Flowing Temp. (Meter Run) 71 °F + 460 = 531 °Abs (m)
P_d = ½ P_c = ½ (l) = 562 psia (n)

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

DELIVERABILITY CALCULATION
D = Q 775 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] = \frac{947,532}{1,010,367} \times .9378 = .95298 = \frac{739}{738.56} \text{ MCF/da.}$

SUMMARY
P_c = 1124 psia
Q = 775 Mcf/day
P_w = 503 psia
P_d = 562 psia
D = 775 Mcf/day

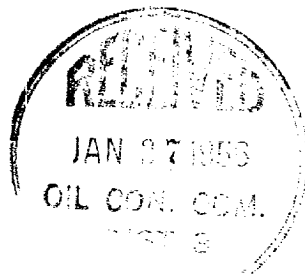
Company PACIFIC NORTHWEST PIPELINE CORPORATION
By M. B. Richardson Title Gas Measurement Engineer
Witnessed by _____
Company _____

* 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
3805	.242	53.10	12.85	240.10	252.95	503

*Includes (est.) 30' reduction for perforations.



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