AMOCC Aztec
-Bill Cutler
1-L. D. Galloway
1-Wayne Smith
2-File

Initial Deliverability Test

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)

Elmco Mesa Verde Rio Arriba

Pool EL PASO NATURAL GAS COMPANY Formation County 2-13-58

Purchasing Pipeline Date Test Filed

PACIFIC NORTHWEST PIPELINE Ross 22-18

Operator A 18 31N Lease 5W 5530' Well No. 5848'

Unit 5-½ Sec. 14.0 Twp. 5930' Pay Zone: 2" From 4.7 To 5830'

Casing: OD WT. Set At x x Tubing: OD WT .595 T. Perf.

Produced Through: Casing 11-22-57 Tubing 11-30-57 Gas Gravity: Measured 6-12-57 Estimated

Date of Flow Test: From To * 1.000 Date S.I.P. Measured

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): 7.05 15.000 746
Normal chart average reading psig + 12 = psia (g)
Square root chart average reading ( ) ^{2} x sp. const. = 746 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) 1257 = 1269 psia (h)
P_t = (h) + (f) 1258 = 1270 psia (i)
Wellhead casing shut-in pressure (Dwt) psig + 12 = 1270 psia (j)
Wellhead tubing shut-in pressure (Dwt) 58 psig + 12 = 518 psia (k)
P_c = (j) or (k) whichever well flowed through = 635 psia (l)
Flowing Temp. (Meter Run) °F + 460 = °Abs (m)
$P_d = \frac{1}{2} P_c = \frac{1}{2}$ (l) = psia (n)

FLOW RATE CALCULATION

437 437

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

DELIVERABILITY CALCULATION

.75

437 1,209,675 (1.149) 485
1,052,619 1.110

$$D = Q \underline{\qquad} \left[\frac{\left(P_c^2 - P_d^2\right) = \underline{\qquad}}{\left(P_c^2 - P_w^2\right) = \underline{\qquad}} \right]^n \underline{\qquad} = \underline{\qquad} \text{ MCF/da.}$$

SUMMARY 1270
P_c = 437 psia
Q = 748 Mcf/day
P_w = 635 psia
P_d = 485 psia
D = Mcf/day

PACIFIC NORTHWEST PIPELINE CORP.
Company Original signed by G. H. Peppin
By District Production Engineer
Title
Witnessed by
Company

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	(1-e^{-s})	(F_cQ)2	(FcQ)^2 (1-e^{-s}) R^2	Pt^2 (Column i)	P$_t$^{2} + R^2	P$_w$
3469	0.223	16.884	3.765	556.[illegible]	560.281	748

RECEIVED
FEB 17