

PAN AMERICAN PETROLEUM CORPORATION

Box 487, Farmington, New Mexico
March 26, 1959

File: B-2092-501.77

Subject: Initial Deliverability Test
Blue-Colored Forms C-122-A
Gerk Gas Unit No. 1

Mr. E. C. Arnold
New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

Dear Sir:

Attached please find Initial Deliverability Test for
the below listed well:

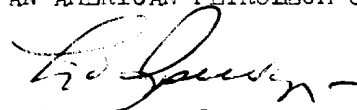
Blanco Mesaverde Field

Gerk Gas Unit No. 1

This test is being filed on blue-colored Form C-122-A
due to late scheduling for deliverability. Complete test will
be conducted at an early date and submitted to your office on
regular form.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION



L. O. Speer, Jr.
Field Superintendent

RBB:ep
Attach.



Initial Deliverability
Test

NEW MEXICO OIL CONSERVATION COMMISSION
GAS WELL TEST DATA SHEET - - SAN JUAN BASIN

(TO BE USED FOR FRUITLAND, P CTURED CLIFFS, MESAVERDE, & ALL DAKOTA
EXCEPT BARKER DOME STORAGE AREA)

Pool Blanco-Mesa Verde Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed 3-25-59
Operator PAN AMERICAN PETROLEUM CORP. Lease Gork Gas Unit Well No. 1
Unit B Sec. 30 Twp. 29N Rge. 9W Pay Zone: From 3824 To 4464
Casing: OD 7-5/8" WT. 24.5 & 26.7 Set At 2379 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 4402
Produced Through: Casing I Tubing I Gas Gravity: Measured 0.609 Estimated
Date of Flow Test: From 2-19-59 To 2-27-59 * Date S.I.P. Measured 12-10-58
Meter Run Size 4" Orifice Size 1.250" Type Chart Sq. Rt. 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 (7.75) ² x sp. const. 10 _____ = 602 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 602 psia (h)
P_t = (h) + (f) _____ = 602 psia (i)
Wellhead casing shut-in pressure (Dwt) 1004 psig + 12 = 1016 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1004 psig + 12 = 1016 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1016 psia (l)
Flowing Temp. (Meter Run) 57 °F + 460 _____ = 517 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 508 psia (n)

FLOW RATE CALCULATION

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

DELIVERABILITY CALCULATION

$$D = Q \times \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{_____ MCF/day}$$

SUMMARY

P_c = 1016 psia
Q = 307 Mcf/day
P_w = 602 psia
P_d = 508 psia
D = 342 Mcf/day
Company PAN AMERICAN PETROLEUM CORPORATION
By E. M. Bower, Jr.
Title Field 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
3032	0.198	8.329	1.649	361.201	362.850	602

*Furnished by pipeline company
INITIAL DELIVERABILITY TEST

