

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)

Initial Deliverability
Test

Pool Blanco-Pictured Cliffs Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed May 1, 1959
Operator Pan American Petroleum Corp. Lease Liking Gas Unit "C" Well No. 1
Unit 0 Sec. 9 Twp. 29N Rge. 9E Pay Zone: From 2242 To 2310
Casing: OD 4-1/2 WT. 9.5 Set At 2369 Tubing: OD 1.66 WT. 2.3 T. Perf. 2270
Produced Through: Casing X Tubing _____ Gas Gravity: Measured 0.647 Estimated _____
Date of Flow Test: From 4-7-59 To 4-15-59 * Date S.I.P. Measured 3-7-59
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 (6.97) ² x sp. const. 5 _____ = _____ psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = _____ psia (h)
P_t = (h) + (f) _____ = _____ psia (i)
Wellhead casing shut-in pressure (Dwt) 978 psig + 12 = 990 psia (j)
Wellhead tubing shut-in pressure (Dwt) 978 psig + 12 = 990 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 990 psia (l)
Flowing Temp. (Meter Run) 61* °F + 460 _____ = 522 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 495 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right) = \text{_____}$ MCF/da
(Integrated)

DELIVERABILITY CALCULATION

D = Q 633* $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{735,075}{921,536} \right]^n \frac{0.8250}{1} = \underline{522}$ MCF/da.

SUMMARY

P_c = 990 psia
Q = 633* Mcf/day
P_w = 21.2 psia
P_d = 495 psia
D = 522 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By R. H. Dwyer, Jr. R.H. Dwyer Jr.
Title Area 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
<u>Friction loss negligible</u>						

* Furnished by pipeline company

INITIAL DELIVERABILITY TEST



PAN AMERICAN PETROLEUM CORPORATION

Box 487, Farmington, New Mexico
May 1, 1959

File: B-2142-501.77

Subject: Initial Deliverability Test
Likins Gas Unit "C" 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 Pictured Cliffs Field

Likins Gas Unit "C" 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.

L. O. Speer, Jr.
Area Superintendent

FHH:ds
Attach.

