

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 Basin Dakota Formation Dakota County San Juan
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator Pan American Petroleum Corp. Lease Stedje Gas Unit Well No. 1
Unit F Sec. 27 Twp. 36N Rge. 12W Pay Zone: From 6180 To 6235
Casing: OD 7" WT. 20 & 23 Set At 6339 Tubing: OD 2 3/8 WT. 4.7 T. Perf. 6134
Produced Through: Casing _____ Tubing I Gas Gravity: Measured .731 Estimated _____
Date of Flow Test: From 5-22-62 To 5-30-62 * Date S.I.P. Measured November 22, 1961
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 (7.10) ² x sp. const. 10 _____ = 504 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 504 psia (h)
P_t = (h) + (f) _____ = 504 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = _____ psia (j)
Wellhead tubing shut-in pressure (Dwt) 2003 psig + 12 = 2015 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 2015 psia (l)
Flowing Temp. (Meter Run) 94 °F + 460 _____ = 554 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 1008 psia (n)

FLOW RATE CALCULATION

Q = 723 X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\text{_____}}{\text{_____}} = \frac{1.000}{\text{_____}} \right)^* = \text{_____}$ MCF/da
(integrated)

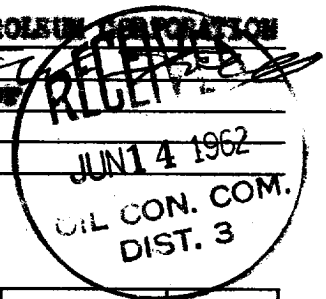
DELIVERABILITY CALCULATION

D = Q 723 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} = \frac{3,044,161}{3,773,409} \right]^n \cdot \text{_____} = \text{_____}$ MCF/da.
_____ .8479 _____ = 613

SUMMARY

P_c = 2015 psia
Q = 723 Mcf/day
P_w = 517 psia
P_d = 1008 psia
D = 613 Mcf/day

Company PAN AMERICAN PETROLEUM CORPORATION
By F. W. Paell
Title Petroleum 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>4.469</u>	<u>0.277</u>	<u>46,208</u>	<u>12,800</u>	<u>294,016</u>	<u>266,016</u>	<u>517</u>

DUAL WELL Packer set at 6180.

NEW MEXICO DE CONSERVATION COMMISSION
BIG HORN TESTIMONY SHEET - SAN JUAN BASIN

NAME OF BIRD: _____
COUNT: _____

DATE: _____ TIME: _____
LOCATION: _____

DESCRIPTION OF BIRD: _____
COLOR: _____
SIZE: _____
OTHER: _____

REMARKS: _____

REMARKS: _____

REMARKS: _____

REMARKS: _____

REMARKS: _____

REMARKS: _____

REMARKS: _____

REMARKS: _____
