

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)

Pool 1-1000 Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 28-6 Well No. 56
Unit M Sec. 11 Twp. 26N Rge. 6W Pay Zone: From 5016 To 5568
Casing: OD 5 1/2 WT. 15.5 Set At 5673 Tubing: OD 2 WT. 4.7 T. Perf. 5515
Produced Through: Casing _____ Tubing I Gas Gravity: Measured .665 Estimated _____
Date of Flow Test: From 4/9 To 4/17/57 * Date S.I.P. Measured 7/30/56
Meter Run Size 4 Orifice Size 2.000 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 (7.95) ² x sp. const. 1000 = 632 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 632 psia (h)
P_t = (h) + (f) = 632 psia (i)
Wellhead casing shut-in pressure (Dwt) 1067 psig + 12 = 1069 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1049 psig + 12 = 1061 psia (k)
P_c = (j) or (k) whichever well flowed through = 1061 psia (l)
Flowing Temp. (Meter Run) 75 °F + 460 = _____ °Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 531 psia (n)

Q = 1629 X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\sqrt{(d)}}{\sqrt{(d)}} \right)^* = \text{_____ MCF/day}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 1629 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{1.2567}{1.1870} = \text{_____ MCF/day}$
 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right] = \frac{843,760}{871,408}$

SUMMARY

P_c = 1061 psia Company El Paso Natural Gas Company
Q = 1629 Mcf/day By Original Signed
P_w = 674 psia Title Lewis D. Galloway
P_d = 531 psia Witnessed by _____
D = 1934 Mcf/day Company _____

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

REMARKS OR FRICTION CALCULATIONS

GL	(1-e ⁻⁸)	(F _c Q) ²	(F _c Q) ² (1-e ⁻⁸) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
<u>3667</u>	<u>.234</u>	<u>234,580</u>	<u>54,892</u>	<u>399,424</u>	<u>454,316</u>	<u>674</u>

D @ 500 = 1855

[Signature]



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