

Initial Deliverability
Test
72063

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 El Paso Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 28-5 Well No. 46
Unit 6 Sec. 25 Twp. 28 Rge. 5 Pay Zone: From 5094 To 6034
Casing: OD 7 WT. 23 Set At 3895 Tubing: OD 2-7/8 WT. 6.4 T. Perf. 6072
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .669 Estimated _____
Date of Flow Test: From 4/28/61 To 5/6/61 * Date S.I.P. Measured 11/29/60 (12 days)
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):
Normal chart average reading _____ psig + 12 = _____ psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = 539 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 519 psia (h)
P_t = (h) + (f) _____ = 519 psia (i)
Wellhead casing shut-in pressure (Dwt) 1322 psig + 12 = 1134 psia (j)
Wellhead tubing shut-in pressure (Dwt) Tubingless completion psig + 12 = _____ psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1134 psia (l)
Flowing Temp. (Meter Run) 68 °F + 460 _____ = 528 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 567 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \underline{216}$ MCF/day
(Integrated)

DELIVERABILITY CALCULATION
D = Q 216 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{.9613}$ = 208 MCF/day

SUMMARY
P_c = 1134 psia
Q = 216 Mcf/day
P_w = 519 psia
P_d = 567 psia
D = 208 Mcf/day

Company El Paso Natural Gas
By _____ Original signed by
Title _____
Witnessed by H. L. Kendrick
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
			Friction Loss =			