

300180
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 South Blanco Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline Pacific Northwest Date Test Filed _____
Operator El Paso Natural Gas Co. Lease Jicarilla Well No. 13-E
Unit G Sec. 18 Twp. 25 Rge. 4 Pay Zone: From 3552 To 3602
Casing: OD 5 1/2 WT. 15.5# Set At 3666 Tubing: OD 1 1/2 WT. 2.4 T. Perf. 3575
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .651 Estimated _____
Date of Flow Test: From 9-30-59 To 10-8-59 * Date S.I.P. Measured 7-24-59 (21 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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing _____ = _____ psi (f)
Seven day average static meter pressure (from meter chart): 465
Normal chart average reading _____ psig + 12 = 477 psia (g)
Square root chart average reading (_____) ² x sp. const. _____ = 477 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 477 psia (h)
P_t = (h) + (f) _____ = 477 psia (i)
Wellhead casing shut-in pressure (Dwt) 894 psig + 12 = 906 psia (j)
Wellhead tubing shut-in pressure (Dwt) 894 psig + 12 = 906 psia (k)
P_c = (j) or (k) whichever well flowed through 68 _____ = 906 psia (l)
Flowing Temp. (Meter Run) _____ °F + 460 _____ = 453 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = _____ psia (n)

$Q = \frac{6004}{8} \times \left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = 761$
(Integrated) _____ MCF/day

DELIVERABILITY CALCULATION
 $D = Q \frac{761}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^{1/2}} = 853$
_____ 1.1431 _____ 1.1203 _____

SUMMARY
P_c = 906 psia
Q = 761 Mcf/day
P_w = 531 psia
P_d = 453 psia
D = 853 Mcf/day
Company El Paso Natural Gas Company
By Original Signed
Title _____
Witnessed by Harold 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
2327	.156	351,038	54,762	227529	282291	531

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