

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 PC Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Bolack Well No. 9-C (P)
Unit H Sec. 31 Twp. 27 Rge. 8 Pay Zone: From 2018 To 2070
Casing: OD 7-5/8 WT. 26.4 Set At 4245 Tubing: OD 2 WT. 4.7 T. Perf. 4353
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .654 Estimated _____
Date of Flow Test: From 1/8/58 To 1/16/58 * Date S.I.P. Measured 9/13/57 (16 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 (7.80) ² x sp. const. 5 _____ = 304 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 304 psia (h)
P_t = (h) + (f) _____ = 304 psia (i)
Wellhead casing shut-in pressure (Dwt) 693 psig + 12 = 705 psia (j)
Wellhead tubing shut-in pressure (Dwt) 693 psig + 12 = 705 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 705 psia (l)
Flowing Temp. (Meter Run) 58 °F + 460 _____ = 518 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 353 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{435}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 435 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{405}$ MCF/da.
 $\frac{372,416}{404,609}$ $\frac{.9204}{.9319}$

SUMMARY

P_c = 705 psia
Q = 435 Mcf/day
P_w = 304 psia
P_d = 353 psia
D = 405 Mcf/day

Company El Paso Natural Gas
By _____
Title Original Signed
Witnessed by D. Galloway
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 NEGLIGIBLE			

D at 250 = 457



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0-2

0-3

0-4

0-5

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