

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 Belland Pictured Cliffs Formation Pictured Cliffs County San Juan

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Company Lease Barclay Well No. 47

Unit A Sec. 9 Twp. 26N Rge. 9W Pay Zone: From 2003 To 2015

Casing: OD 7" WT. 20# Set At 2003 Tubing: OD 1 1/2 WT. 2.3 T. Perf. 2076

Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated .670

Date of Flow Test: From 4-30-56 To 5-8-56 Date S.I.P. Measured 2-24-56

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 (7.65) ² x sp. const. 5 _____ = 893 psia (g)

Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 893 psia (h)

P_t = (h) + (f) _____ = 893 psia (i)

Wellhead casing shut-in pressure (Dwt) 601 psig + 12 = 613 psia (j)

Wellhead tubing shut-in pressure (Dwt) 601 psig + 12 = 613 psia (k)

P_c = (j) or (k) whichever well flowed through _____ = 613 psia (l)

Flowing Temp. (Meter Run) 60 °F + 460 _____ = _____ °Abs (m)

P_d = 1/2 P_c = 1/2 (l) _____ = 317 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right)^* = \underline{775} \text{ MCF/day}$
(Integrated)

DELIVERABILITY CALCULATION

D = Q 775 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{744} \text{ MCF/day}$
 $\frac{.9535}{.96035}$

SUMMARY

P_c = 613 psia
Q = 775 Mcf/day
P_w = 317 psia
P_d = 317 psia
D = 744 Mcf/day

Company El Paso Natural Gas Company
By Lewis D. Galloway
Title _____
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})	P _t ² (Column i)	P _t ² + R ²	P _w
			R ²			
		Friction Negligible				





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