

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)

72-295

Pool Blanco Formation Mesa Verde County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Belack Well No. 16-C
Unit A Sec. 33 Twp. 27 Rge. 8 Pay Zone: From 4870 To 5166
Casing: OD 5-1/2 WT. 15-1/2 Set At 5278 Tubing: OD 2 WT. 4.7 T. Perf. 5184
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 715 Estimated _____
Date of Flow Test: From _____ To _____ * Date S.I.P. Measured 7/7/58 (13 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 (6.95)² x sp. const. 10 = 483 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 483 psia (h)
P_t = (h) + (f) _____ = 483 psia (i)
Wellhead casing shut-in pressure (Dwt) 1025 psig + 12 = 1037 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1020 psig + 12 = 1032 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1032 psia (l)
Flowing Temp. (Meter Run) 60 °F + 460 _____ = 520 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 516 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)} = \text{_____} = \text{_____}} \right)^* = \text{54} \text{ MCF/da}$
(integrated) $\sqrt{(d)} = \text{_____}$

DELIVERABILITY CALCULATION

D = Q 54 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \text{52} \text{ MCF/da.}$
 $\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{798768}{831735}$ $\frac{.9603}{.9701}$

SUMMARY

P_c = 1032 psia
Q = 54 Mcf/day
P_w = 483 psia
P_d = 516 psia
D = 52 Mcf/day

Company El Paso Natural Gas
By Original Signed
Title Harold L. Kendrick
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}) R ²	P _t ² (Column i)	P _t ² + R ²	P _w
			Friction Negligible			

D at 500 = 53



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