

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)

Blanco Mesa Verde Rio Arriba
Pool _____ Formation _____ County _____
Purchasing Pipeline _____ Date Test Filed _____
Operator _____ Lease _____ Well No. _____
Unit N Sec. 33 Twp. 28 Rge. 6 Pay Zone: From 5062 To 5725
Casing: OD 7 WT. 20 & 23 Set At 5010 Tubing: OD 2 WT. 4.7 T. Perf. 5647
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .720
Date of Flow Test: From 12/23 To 12/31 * Date S.I.P. Measured 7/19/55
Meter Run Size 4 Orifice Size _____ Type Chart Sq. Rt. Type Taps Flange

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 (7.70) ² x sp. const. 10 _____ = 593 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 593 psia (h)
P_t = (h) + (f) _____ = 593 psia (i)
Wellhead casing shut-in pressure (Dwt) 1069 psig + 12 = 1081 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1050 psig + 12 = 1062 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1062 psia (l)
Flowing Temp. (Meter Run) 55 °F + 460 _____ = 515 °Abs (m)
P_d = ½ P_c = ½ (l) _____ = 531 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\sqrt{(c)}} = \frac{\text{ } }{\sqrt{(d)}} \right)^* = \underline{134} \text{ MCF/day}$
(integrated)

DELIVERABILITY CALCULATION
D = Q 134 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \frac{1.0898}{1.0666} = \underline{143} \text{ MCF/day}$

SUMMARY
P_c = 1062 psia
Q = 134 Mcf/day
P_w = 593 psia
P_d = 531 psia
D = 143 Mcf/day
Company El Paso Natural Gas Company
By Original Signed
Title Lewis D. Galloway
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 l)	P _t ² + R ²	P _w
			FRICION NEGLIGIBLE			

D @ 500 = 145

OK



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