

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

San Juan

Pool _____ Formation _____ County _____
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

El Paso Natural Gas Co. San Juan 32-9 Unit Well No. 36
Operator _____ Lease _____
Unit M Sec. 33 Twp. 32 Rge. 9 Pay Zone: From 5427 To 5944
Casing: OD 5 1/2 WT. 15.5 Set At 5955 Tubing: OD 2 WT. 4.7 T. Perf. 5805
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated .635
Date of Flow Test: From 12/8 To 12/16 * Date S.I.P. Measured 10/25/55
Meter Run Size _____ 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 (7.35)² x sp. const. 10 _____ = 540 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 540 psia (h)
P_t = (h) + (f) _____ = 1040 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 1036 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 1048 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 1048 psia (l)
Flowing Temp. (Meter Run) 65 °F + 460 _____ = 525 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 524 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \underline{413}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 413 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{421}$ MCF/day
 $\frac{1.0255}{1.0191}$

SUMMARY

P_c = 1048 psia
Q = 413 Mcf/day
P_w = 543 psia
P_d = 524 psia
D = 421 Mcf/day

Company El Paso Natural Gas Company
By 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})	P _t ²	P _t ² + R ²	P _w
			R ²	(Column i)		
3570	.229	15,078	3,453	291,600	295,053	543

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