

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 Blance Formation Mesa Verde County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease San Juan 30-6 Well No. 10
Unit B Sec. 31 Twp. 30N Rge. 7W Pay Zone: From 4820 To 5152
Casing: OD 5½ WT. 14 Set At 5273 Tubing: OD 2 WT. 4.7 T. Perf. 5213
Produced Through: Casing _____ Tubing X Gas Gravity: Measured .685 Estimated _____
Date of Flow Test: From 2/8 To 2/17/51 * Date S.I.P. Measured August 29, 1955
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. 10 = 585 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 585 psia (h)
P_t = (h) + (f) = 585 psia (i)
Wellhead casing shut-in pressure (Dwt) 999 psig + 12 = 1011 psia (j)
Wellhead tubing shut-in pressure (Dwt) 999 psig + 12 = 1011 psia (k)
P_c = (j) or (k) whichever well flowed through = 1011 psia (l)
Flowing Temp. (Meter Run) 71 °F + 460 = 531 °Abs (m)
P_d = ½ P_c = ½ (l) = 506 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^n = \underline{1123}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION

D = Q 1123 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n \frac{1.1707}{1.1256} = \underline{1264}$ MCF/da.

SUMMARY

P_c = 1011 psia Company El Paso Natural Gas Company
Q = 1123 Mcf/day By Original Signed
P_w = 606 psia Title Lewis D. Galloway
P_d = 506 psia Witnessed by _____
D = 1264 Mcf/day 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 1)	P _t ² + R ² P _d ²	P _d
3571	.229	111.471	25,527	342,225	367,752	606

D @ 500 = 1220

F. Loc. 990/N; 1650/E Elev. 6227 GL Spd. 7/27/55 Comp. 8/30/55 TD 5338 PB
Casing 103 1/4 @ 296 W. 200 Sx. Int. 7 1/8 @ 3175 W. 175 Sx. Pr. 5 1/2 @ 5273 W. 100 Sx. T. 2 @ 5273
Csg. Perf. (ask intervals) 278 shots 4920-5210 Prgd. Stim.

Casing 1034 @ 236 W 200 Sx. Int. 7 5/8 @ 3175 W 175 Sx. Pr. 5 1/2 @ 5273 W 100 Sx. T. 2 @ 5273
Csg. Perf. (all intervals) 278 shots 4920-5210 Elev. 6221 GL Spd. 7/20/55 Comp. 8/30/55 TD 5338 PB
Prod. Stim.

I.P. 14,526 MCF/D After 3 Hrs. SICP 999 PSI After 7 Days GOR Grav. 1st Del. / 22-57

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Blanco MV Co. RA s 31 T 30N R 7W UB Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
Oper. Pacific Northwest Lse. SJU 30-6 No. 10-31