

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 Canyon Largo Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Co. Lease Hamilton State Well No. 6
Unit G Sec. 32 Twp. 26N Rge. 7W Pay Zone: From 2865 To 2967
Casing: OD 7 WT. 20# Set At 2865 Tubing: OD 1 WT. 1.68# T. Perf. 2962
Produced Through: Casing X Tubing _____ Gas Gravity: Measured _____ Estimated .695
Date of Flow Test: From 12/31/55 To 1/8/56 * Date S.I.P. Measured 10/13/55
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: _____ = _____ psi (f)
(b) - (c) Flow through tubing: (a) - (c) Flow through casing
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. .5 = 296 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 296 psia (h)
P_t = (h) + (f) = 296 psia (i)
Wellhead casing shut-in pressure (Dwt) 598 psig + 12 = 610 psia (j)
Wellhead tubing shut-in pressure (Dwt) 598 psig + 12 = 610 psia (k)
P_c = (j) or (k) whichever well flowed through = 610 psia (l)
Flowing Temp. (Meter Run) 42 °F + 460 = 502 °Abs (m)
P_d = ½ P_c = ½ (l) = 305 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} \right) = \underline{33}$ MCF/da
(integrated)

DELIVERABILITY CALCULATION
D = Q 33 $\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{32}$ MCF/da.
 $\frac{279,075}{284,484}$ $\frac{.9810}{.9838}$

SUMMARY
P_c = 610 psia Company El Paso Natural Gas Company
Q = 33 Mcf/day By Original Signed
P_w = 296 psia Title Lewis D. Galloway
P_d = 305 psia Witnessed by _____
D = 32 Mcf/day Company _____

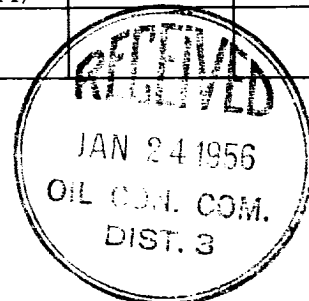
- * This is date of completion test.
- * Meter error correction factor

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 i)	P _t ² + R ²	P _w
			FRICION NEGLIGIBLE			

D @ 250 = 35

OK



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