

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 Wildcat Formation Pictured Cliff County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____
Operator El Paso Natural Gas Company Lease San Juan 30-4 Well No. 2
Unit A Sec. 19 Twp. 30N Rge. 4W Pay Zone: From 4248 To 4300
Casing: OD 7 WT. 23 Set At 4300 Tubing: OD 1 1/4 WT. 2.4 T. Perf. 4269
Produced Through: Casing _____ Tubing X Gas Gravity: Measured _____ Estimated 620
Date of Flow Test: From 8 Jan. To 16 Jan. * Date S.I.P. Measured 6-29-55
Meter Run Size 4 Orifice Size _____ Type Chart Sq. Root 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 (7.25) ² x sp. const. 1000 = 526 psia (g)
Corrected seven day avge. meter press. (P_f) (g) + (e) = 526 psia (h)
P_t = (h) + (f) = 526 psia (i)
Wellhead casing shut-in pressure (Dwt) _____ psig + 12 = 1172 psia (j)
Wellhead tubing shut-in pressure (Dwt) _____ psig + 12 = 1172 psia (k)
P_c = (j) or (k) whichever well flowed through = 1172 psia (l)
Flowing Temp. (Meter Run) 53 °F + 460 = _____ ° Abs (m)
P_d = 1/2 P_c = 1/2 (l) = 586 psia (n)

FLOW RATE CALCULATION

$$Q = \frac{153}{(\text{integrated})} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{_____ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \frac{153}{\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n} = \frac{.9413}{.9498} = \underline{145} \text{ MCF/da.}$$

SUMMARY

P_c = 1172 psia
Q = 153 Mcf/day
P_w = 528 psia
P_d = 586 psia
D = 145 Mcf/day

Company El Paso Natural Gas Company

By Original Signed

Title Lewis D. Galloway

Witnessed by _____

Company _____

* This is date of completion test.

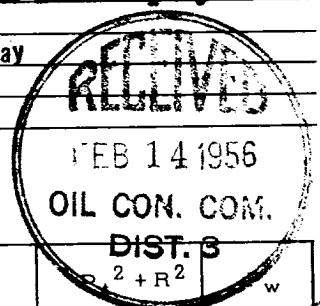
* Meter error correction factor

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 i)	P _c ² + R ²	P _w
2647	.175	14.190	2.483	276,676	279,159	528

$$D @ 250 = 177$$

OK



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