

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)

72-052-01

Pool Blanco Formation Mesa Verde County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Riddle Well No. 5-F (M)

Unit A Sec. 32 Twp. 28 Rge. 8 Pay Zone: From 4427 To 4658

Casing: OD 5-1/2 WT. 15.5 Set At 4713 Tubing: OD 2" WT. 4.7 T. Perf 4630

Produced Through: Casing _____ Tubing x Gas Gravity: Measured 695 Estimated _____

Date of Flow Test: From 4/29/58 To 5/7/58 * Date S.I.P. Measured 11/25/57

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 (7.25) ² x sp. const. 10 _____ = 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 = _____ psia (j)

Wellhead tubing shut-in pressure (Dwt) 1063 psig + 12 = 1075 psia (k)

P_c = (j) or (k) whichever well flowed through _____ = 1075 psia (l)

Flowing Temp. (Meter Run) 81 °F + 460 _____ = 541 °Abs (m)

P_d = ½ P_c = ½ (l) _____ = 538 psia (n)

Q = _____ X $\left(\frac{\text{FLOW RATE CALCULATION}}{\frac{\sqrt{(c)}}{\sqrt{(d)}}} = \frac{\text{_____}}{\text{_____}} = \text{_____} \right)^* = \text{1135} \text{ MCF/da}$

(integrated)

DELIVERABILITY CALCULATION

D = Q 1135 $\left[\frac{(P_c^2 - P_d^2) = \text{866,181}}{(P_c^2 - P_w^2) = \text{855,150}} \right]^n \frac{1.0128}{1.0096} = \text{1146} \text{ MCF/da.}$

SUMMARY

P_c = 1075 psia

Q = 1135 Mcf/day

P_w = 548 psia

P_d = 538 psia

D = 1146 Mcf/day

Company El Paso Natural Gas Company

By _____ Original signed

Title _____

Witnessed by Harold L. Kendrick

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
3218	.209	113,870	23,799	276,676	300,475	548

D at 500 = 1149

