

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 South Blanco L & H ~~Undesignated~~ Formation Pictured Cliffs County Rio Arriba
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____

Operator El Paso Natural Gas Lease Jicarilla Well No. 7-F
Unit D Sec. 22 Twp. 26 Rge. 5 Pay Zone: From 3025 To 3081
Casing: OD 5-1/2 WT. 15.5 Set At 3119 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3039
Produced Through: Casing X Tubing _____ Gas Gravity: Measured .683 Estimated _____
Date of Flow Test: From 12-31-57 To 1-9-58 * Date S.I.P. Measured 10-24-57 (21 days)
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 (9.05)² x sp. const. 5 = 410 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 410 psia (h)
P_t = (h) + (f) = 410 psia (i)
Wellhead casing shut-in pressure (Dwt) 1026 psig + 12 = 1038 psia (j)
Wellhead tubing shut-in pressure (Dwt) 1027 psig + 12 = 1039 psia (k)
P_c = (j) or (k) whichever well flowed through = 1038 psia (l)
Flowing Temp. (Meter Run) 54 °F + 460 = 514 °Abs (m)
P_d = ½ P_c = ½ (l) = 519 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(Integrated)} \times \left(\frac{\sqrt{V(c)}}{\sqrt{V(d)}} \right)^* = \underline{383} \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \underline{383} \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{.8886}{.9044} = \underline{346} \text{ MCF/da.}$$

SUMMARY

P_c = 1038 psia
Q = 383 Mcf/day
P_w = 410 psia
P_d = 519 psia
D = 346 Mcf/day

Company El Paso Natural Gas
By J. R. Hendricks
Title _____
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 _t ² + R ²	P _w
			FRICTION NEGLIGIBLE			

D at 250 = 418



10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

10/10/10

