

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 Elmore Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Starry Well No. 10-6 (2)
Unit I Sec. 35 Twp. 28 Rge. 9 Pay Zone: From 2290 To 2390
Casing: OD 7-5/8 WT. 26.4 Set At 2194 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 2390
Produced Through: Casing I Tubing _____ Gas Gravity: Measured .645 Estimated _____
Date of Flow Test: From 10/7/58 To 10/15/58 * Date S.I.P. Measured 3/14/57
Meter Run Size _____ Orifice Size 2.890 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 (7.45) ² x sp. const. 5 _____ = 249 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) _____ = 249 psia (h)
P_t = (h) + (f) _____ = 249 psia (i)
Wellhead casing shut-in pressure (Dwt) 736 psig + 12 = 736 psia (j)
Wellhead tubing shut-in pressure (Dwt) 736 psig + 12 = 736 psia (k)
P_c = (j) or (k) whichever well flowed through _____ = 736 psia (l)
Flowing Temp. (Meter Run) 65 °F + 460 _____ = 505 °Abs (m)
P_d = 1/2 P_c = 1/2 (l) _____ = 369 psia (n)

FLOW RATE CALCULATION

Q = _____ X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right)^* = \underline{994}$ MCF/day
(integrated)

DELIVERABILITY CALCULATION

D = Q 994 $\left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \underline{863}$ MCF/day
40843 482643 8463 8678

SUMMARY

P_c = 736 psia
Q = 994 Mcf/day
P_w = 249 psia
P_d = 369 psia
D = 863 Mcf/day

Company El Paso Natural Gas
By Original Signer
Title David L. Hendrick
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 1)	P _t ² + R ²	P _w
			<u>Friction Negligible</u>			

D at 250 = 977



GAS WELL TEST DATA SHEET - SAN JUAN BASIN
NEW MEXICO PETROLEUM CONSERVATION COMMISSION

TO BE USED FOR REPORTING RESULTS OF TESTS MADE IN THE SAN JUAN BASIN
OF NEW MEXICO

Well Name: South Platte
Location: Montezuma, Colorado
County: Montezuma
Section: 10-0-35
Twp: 35S
R: 35E
S: 35S
B: 35E
Type: 10-0-35

(a)	Pressure	100
(b)	Temperature	100
(c)	Flow Rate	100
(d)	Gas Gravity	100
(e)	Oil Gravity	100
(f)	Water Gravity	100
(g)	Gas Specific Gravity	100
(h)	Oil Specific Gravity	100
(i)	Water Specific Gravity	100
(j)	Gas Viscosity	100
(k)	Oil Viscosity	100
(l)	Water Viscosity	100
(m)	Gas Permeability	100
(n)	Oil Permeability	100
(o)	Water Permeability	100

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