

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)

72-019-01
Pool Aztec Formation Pictured Cliffs County San Juan
Purchasing Pipeline El Paso Natural Gas Date Test Filed _____
Operator El Paso Natural Gas Lease Texas Pacific P. U. Well No. 1
Unit I Sec. 16 Twp. 29 Rge. 10 Pay Zone: From 2170 To 2214
Casing: OD 5.5 WT. 15.5 Set At 2262 Tubing: OD 1.25 WT. 2.4 T. Perf. 2180
Produced Through: Casing _____ Tubing X Gas Gravity: Measured 647 Estimated _____
Date of Flow Test: From 3/16/58 To 3/23/58 * Date S.I.P. Measured 1/10/58 (17 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: _____ = _____ 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 (7.15)² x sp. const. 5 = 256 psia (g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 256 psia (h)
P_t = (h) + (f) = 256 psia (i)
Wellhead casing shut-in pressure (Dwt) 657 psig + 12 = 669 psia (j)
Wellhead tubing shut-in pressure (Dwt) 657 psig + 12 = 669 psia (k)
P_c = (j) or (k) whichever well flowed through = 669 psia (l)
Flowing Temp. (Meter Run) 50 °F + 460 = 510 °Abs (m)
P_d = ½ P_c = ½ (l) = 335 psia (n)

FLOW RATE CALCULATION

$$Q = \text{(Integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} \right) = \text{112 MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \text{112} \left[\frac{(P_c^2 - P_d^2)}{(P_c^2 - P_w^2)} \right]^n = \text{100 MCF/da.}$$

SUMMARY

P_c = 669 psia
Q = 112 Mcf/day
P_w = 257 psia
P_d = 335 psia
D = 100 Mcf/day

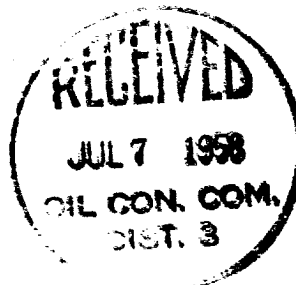
Company El Paso Natural Gas
By Howard L. Hendrich
Title _____
Witnessed by _____
Company _____

- * 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 R ²	(1-e ^{-S})	P _t ² (Column i)	P _t ² + R ²	P _w
1410	.097	7.601	737		65,536	66,273	257

D at 250 = 111



RESEARCH AND ANALYSIS DIVISION
TEST DATA SHEET - SAN JUAN BASIN

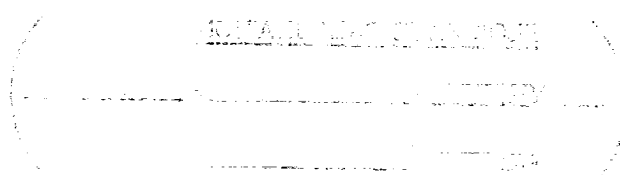
WELL NO. 1 AND 2, DISTRICT OF COLUMBIA, MARYLAND, & ALABAMA
(SOUTHERN RAILROAD CO. STORAGE AREA)

Location: _____ Date: _____

1. Description of well: _____
2. Name of operator: _____
3. Name of engineer: _____
4. Name of geologist: _____
5. Name of chemist: _____
6. Name of physicist: _____
7. Name of biologist: _____
8. Name of meteorologist: _____
9. Name of hydrologist: _____
10. Name of soil scientist: _____
11. Name of environmental scientist: _____
12. Name of other specialist: _____

ANALYSIS

1. General description of well: _____
2. Description of test: _____
3. Results of test: _____
4. Interpretation of test: _____
5. Recommendations: _____
6. Other notes: _____



RESEARCH AND ANALYSIS DIVISION

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