Form C-122-A

Revised April 20, 1955

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 **Blanco** Formation **Mesa Verde** County **Rio Arriba**

Purchasing Pipeline **El Paso Natural Gas Company** Date Test Filed

Operator **El Paso Natural Gas Company** Lease **San Juan 28-6 Unit** Well No. **28**

Unit **L** Sec. **18** Twp. **28** Rge. **6** Pay Zone: From **5154** To **5720**

Casing: OD **7** WT. **20** Set At **5753** Tubing: OD **2** WT. **4.7** T. Perf. **5636**

Produced Through: Casing ____ Tubing **X** Gas Gravity: Measured **.690** Estimated ____

Date of Flow Test: From **4-22** To **4-30** * Date S.I.P. Measured **12-21-55**

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:			
(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 (7.50)^2 x sp. const. 10 = 563 psia			(g)
Corrected seven day avge. meter press. (p_f) (g) + (e) = 563 psia			(h)
P_t = (h) + (f) = 563 psia			(i)
Wellhead casing shut-in pressure (Dwt) 1077 psig + 12 = 1089 psia			(j)
Wellhead tubing shut-in pressure (Dwt) 1070 psig + 12 = 1082 psia			(k)
P_c = (j) or (k) whichever well flowed through = 1082 psia			(l)
Flowing Temp. (Meter Run) 73 °F + 460 = 533 °Abs			(m)
P_d = ½ P_c = ½ (l) = 541 psia			(n)

FLOW RATE CALCULATION

$Q =$ ____ (integrated) $\times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \quad \right)^n =$ **1568** MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 1568 \left[\frac{878,043}{800,293} \right]^{\frac{1.0972}{1.0721}} = 1681$ MCF/da.

SUMMARY

P_c = 1082	psia	Company	El Paso Natural Gas Company
Q = 1568	Mcf/day	By	Original Signed
P_w = 609	psia	Title	Lewis D. Galloway
P_d = 541	psia	Witnessed by	
D = 1681	Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-S})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3889	.246	217.327	53,462	316,969	370,431	609

D @ 500 = 1643

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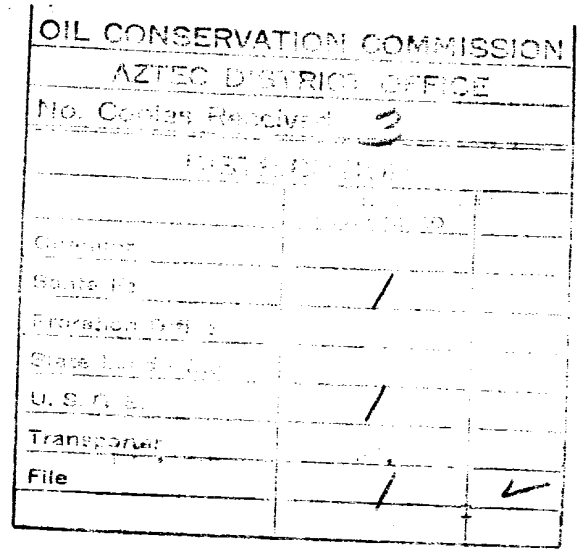
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