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: South Blanco | Formation: Pictured Cliff | County: Rio Arriba

Purchasing Pipeline: El Paso Natural Gas Company | Date Test Filed: _____

Operator: El Paso Natural Gas Co. | Lease: San Juan 28-7 Unit | Well No.: 37

Unit: O | Sec.: 6 | Twp.: 27 | Rge.: 7 | Pay Zone: From 3256 To 3322

Casing: OD $5\frac{1}{2}$ | WT. 15.5 | Set At 3256 | Tubing: OD 1 | WT. 1.68 | T. Perf. 3297

Produced Through: Casing _____ | Tubing X | Gas Gravity: Measured _____ | Estimated .630

Date of Flow Test: From 12/16 | To 12/23 | * Date S.I.P. Measured 5/31/55

Meter Run Size 4 | Orifice Size _____ | Type Chart Sq. Rt. | 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 =	263	psia	(g)
Square root chart average reading (7.25)^2 x sp. const. 5	=	263	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	263	psia	(h)
P_t = (h) + (f)	=	1006	psia	(i)
Wellhead casing shut-in pressure (Dwt) 994	psig + 12 =	1006	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 994	psig + 12 =	1006	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1006	psia	(l)
Flowing Temp. (Meter Run) 49 °F + 460	=	509	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	503	psia	(n)

FLOW RATE CALCULATION

$$Q = ____ \text{ (integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = ____ = ____ \right)^{*} = 431 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \; 431 \left[\frac{P_c^2 - P_d^2 = 759{,}027}{P_c^2 - P_w^2 = 876{,}809} \right]^n \; .8657 \; \cancel{.8846} = 381 \text{ MCF/da.}$$

SUMMARY

P_c =	1006	psia
Q =	431	Mcf/day
P_w =	368	psia
P_d =	503	psia
D =	381	Mcf/day

Company: El Paso Natural Gas Company
By: Original Signed
Title: Lewis D. Galloway
Witnessed by: _____
Company: _____

* This is date of completion test.
* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 \; (1-e^{-S})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
2077	.140	471.845	66,058	69,169	135,227	368

D @ 250 = 431

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