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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 P;C. Formation Pictured Cliffs County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Jicarilla Well No. 5-J

Unit B Sec. 19 Twp. 26 Rge. 5 Pay Zone: From 3040 To 3098

Casing: OD 5-1/2 WT. 15.50 Set At 3131 Tubing: OD 1-1/4 WT. 2.3 T. Perf. 3063

Produced Through: Casing X Tubing Gas Gravity: Measured .689 Estimated

Date of Flow Test: From 1/31/58 To 2/8/58 * Date S.I.P. Measured 5-29-57

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 (8.80) ^{2} x sp. const. 5.0	=	387	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	=	387	psia	(h)
P_t = (h) + (f)	=	387	psia	(i)
Wellhead casing shut-in pressure (Dwt) 989	psig + 12 =	1001	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 992	psig + 12 =	1004	psia	(k)
P_c = (j) or (k) whichever well flowed through	=	1001	psia	(l)
Flowing Temp. (Meter Run) 48 °F + 460	=	508	°Abs	(m)
P_d = ½ P_c = ½ (l)	=	501	psia	(n)

FLOW RATE CALCULATION

$$Q = \text{(integrated)} \times \left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^{*} = 494 \text{ MCF/da}$$

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{751000}{852232} \right]^{n} \frac{(.8812)^{.85}}{(.8982)} = 444 \text{ MCF/da.}$$

SUMMARY

P_c =	1001	psia
Q =	494	Mcf/day
P_w =	387	psia
P_d =	501	psia
D =	444	Mcf/day

Company El Paso Natural Gas
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	$(1-e^{-s})$	$(F_cQ)2$	$\frac{(FcQ)^2 \quad (1-e^{-s})}{R^2}$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
			Friction Negligible			

D at 250 = 534

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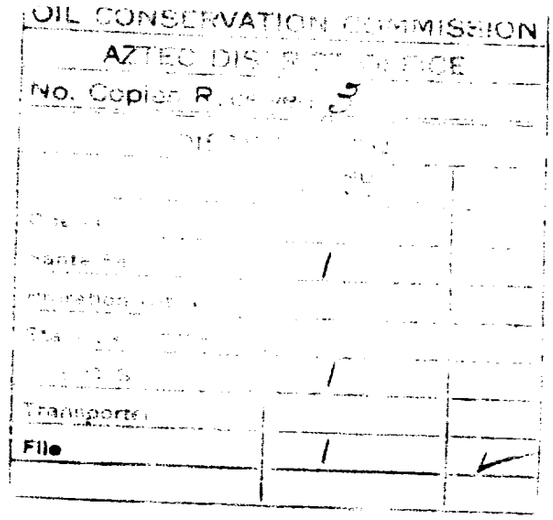
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