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 Pictured Cliff Formation Pictured Cliff County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed

Operator El Paso Natural Gas Company Lease Reams Well No. 3-A

Unit B Sec. 25 Twp. 26N Rge. 6W Pay Zone: From 2990 To 3050

Casing: OD 5½ WT. 15.5 Set At 2990 Tubing: OD 1 WT. 1.68 T. Perf. 3002

Produced Through: Casing X Tubing Gas Gravity: Measured Estimated .695

Date of Flow Test: From Jan. 8 To Jan. 16 * Date S.I.P. Measured September 29, 1955

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 (7.60) ^{2} x sp. const. 5	= 289	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 289	psia	(h)
P_t = (h) + (f)	= 289	psia	(i)
Wellhead casing shut-in pressure (Dwt) 967	psig + 12 = 979	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 967	psig + 12 = 979	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 979	psia	(l)
Flowing Temp. (Meter Run) 57 °F + 460	=	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 490	psia	(n)

FLOW RATE CALCULATION

Q = 1311 (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \quad = \quad \right)^*$ = MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{718,341}{874,920} \right]^n$ $\frac{.8210}{.8458}$ = 1109 MCF/da.

SUMMARY

P_c =	979	psia
Q =	1311	Mcf/day
P_w =	289	psia
P_d =	490	psia
D =	1109	Mcf/day

Company El Paso Natural Gas Company

By Original Signed

Title Lewis D. Galloway

Witnessed by

Company

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DIST. 3

* 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
			Friction Negligible			

D @ 250 = 1330

OK

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