Form C-122-A
Revised April 20, 1955

Initial Deliverability Test

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 _____ Formation Mesa Verde County Rio Arriba

Purchasing Pipeline El Paso Natural Gas Company Date Test Filed _____

Operator El Paso Natural Gas Lease San Juan 28-5 Well No. 13

Unit M Sec. 9 Twp. 28N Rge. 5W Pay Zone: From 5302 To 5374

Casing: OD 5½ WT. 15.5 Set At 5837 Tubing: OD 2 WT. 4.7 T. Perf. 5730

Produced Through: Casing _____ Tubing X Gas Gravity: Measured .680 Estimated _____

Date of Flow Test: From 4/9 To 4/17/57 * Date S.I.P. Measured 9/11/56

Meter Run Size 4 Orifice Size 1.250 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 = _____	psia	(g)
Square root chart average reading (7.65)^2 x sp. const. 1000	= 585	psia	(g)
Corrected seven day avge. meter press. (P_f) (g) + (e)	= 585	psia	(h)
P_t = (h) + (f)	= 585	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1044	psig + 12 = 1056	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1040	psig + 12 = 1052	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1052	psia	(l)
Flowing Temp. (Meter Run) 70 °F + 460	= _____	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 526	psia	(n)

FLOW RATE CALCULATION

Q = 649 (integrated) x $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \_\_\_\_ = \_\_\_\_ \right)^{*}$ = _____ MCF/da

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{830,028}{755,282} \right]^n = 649 \left[1.0989 \right]^{1.0734} = 697 \text{ MCF/da.}$$

SUMMARY

P_c =	1052 psia	Company	El Paso Natural Gas Company
Q =	649 Mcf/day	By	Original Signed
P_w =	593 psia	Title	Lewis D. Galloway
P_d =	526 psia	Witnessed by	
D =	697 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-S})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-S})$	P_t^2 (Column i)	$P_t^2 + R^2$	P_w
3396	.247	37.234	9,197	342,225	351,422	593

D @ 500 = 699

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