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 Mesa Verde 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 28-7 Well No. 53

Unit L Sec. 28 Twp. 28N Rge. 7W Pay Zone: From 4838 To 5633

Casing: OD 7 5/8 WT. 26.4 Set At 3364 Tubing: OD 2 WT. 4.7 T. Perf. 5577

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

Date of Flow Test: From 2/20/57 To 2/28/57 * Date S.I.P. Measured 10/10/56

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 (7.05) ^{2} x sp. const. 10	= 497	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 497	psia	(h)
P_t = (h) + (f)	= 497	psia	(i)
Wellhead casing shut-in pressure (Dwt) 1072	psig + 12 = 1084	psia	(j)
Wellhead tubing shut-in pressure (Dwt) 1064	psig + 12 = 1076	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 1076	psia	(l)
Flowing Temp. (Meter Run) 68 °F + 460	= 528	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 538	psia	(n)

FLOW RATE CALCULATION

Q = _____ (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad}\right)^*$ = 1479 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{868,338}{863,203}\right]^n$ 1.0059 / 1.0044 = 1486 MCF/da.

SUMMARY

P_c =	1076 psia	Company	El Paso Natural Gas Company
Q =	1479 Mcf/day	By	Tom Grant
P_w =	543 psia	Title	
P_d =	538 psia	Witnessed by	
D =	1486 Mcf/day	Company	

* This is date of completion test.

* Meter error correction factor

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(F_cQ)^2 (1-e^{-s})}{R^2}$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
3376	.246	193,349	47,564	247,009	294,573	543

D @ 500 = 1,461

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