Form C-122-A
Revised April 20, 1955

Initial Deliverability Test
70418

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DIST. 3

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 Formation Mesaverde County San Juan

Purchasing Pipeline El Paso Natural Gas Date Test Filed

Operator El Paso Natural Gas Lease Heaton Well No. 3

Unit M Sec. 32 Twp. 31 Rge. 11 Pay Zone: From 3822 To 4698

Casing: OD 7 WT. 23 Set At 4150 Tubing: OD 2-3/8 WT. 4.7 T. Perf. 3841

Produced Through: Casing ^ Tubing X Gas Gravity: Measured .712 Estimated

Date of Flow Test: From 5/6/61 To 5/11/61 * Date S.I.P. Measured 3/22/60

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 =	~~XXX~~ psia	(b)
Flowing meter pressure (Dwt)	psig + 12 =	~~XXX~~ psia	(c)
		~~XXX~~	
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 ( )^2 x sp. const.	= 526	psia	(g)
Corrected seven day avge. meter press. (p_f) (g) + (e)	= 526	psia	(h)
P_t = (h) + (f)	= 526	psia	(i)
Wellhead casing shut-in pressure (Dwt)	psig + 12 = 661	psia	(j)
Wellhead tubing shut-in pressure (Dwt)	psig + 12 = 802	psia	(k)
P_c = (j) or (k) whichever well flowed through	= 802	psia	(l)
Flowing Temp. (Meter Run) 76 °F + 460	= 536	°Abs	(m)
P_d = ½ P_c = ½ (l)	= 401	psia	(n)

FLOW RATE CALCULATION

Q = (integrated) X $\left(\frac{\sqrt{(c)}}{\sqrt{(d)}} = \frac{\quad}{\quad} = \frac{\quad}{\quad}\right)^*$ = 88 MCF/da

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} = \frac{482403}{366528}\right]^n = 88 \left[\frac{1.3161}{1.2292}\right] = 108$ MCF/da.

SUMMARY

P_c =	802	psia
Q =	88	Mcf/day
P_w =	526	psia
P_d =	401	psia
D =	108	Mcf/day

Company El Paso Natural Gas
By Original signed by
Title H. L. Kendrick
Witnessed by
Company

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

REMARKS OR FRICTION CALCULATIONS

GL	$(1-e^{-s})$	$(F_cQ)^2$	$\frac{(FcQ)^2}{R^2}$ $(1-e^{-s})$	Pt^2 (Column i)	$P_t^2 + R^2$	P_w
2735	.180	.684	123 Friction Negligible			

D at 500 = 91

Perforated tubing. Turned back on production 4/11/61.