NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 1972

Form C122 Revised [illegible]

Pool	Pool Slope	Formation	County
[illegible]	[illegible] .25	Chacra Ext	Rio Arriba

82-555

Operator			Well Name and Number	
El Paso Natural Gas Company			Klein No. 17	
Unit Letter	**Section**	**Township**	**Range**	**Purchasing Pipeline**
O	33	26	6	El Paso Natural Gas Co.
Casing O.D. — Inches	**Casing I.D. — Inches**	**Set at Depth — Feet**	**Tubing O.D. — Inches**	**Tubing I.D. — Inches** / **Tubing Perf.**
2.875	2.441	3913	No Tubing	
Gas Pay Zone From 3741 To 3856		**Well Producing Thru** Casing XX Tubing		**Gas Gravity** 0.673 / **Gravity x Length** 2522
Date of Flow Test From 1-13-72 To 1-21-72			**Date Shut-in Pressure Measured** 10-29-71	

PRESSURE DATA — ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt)	(b) Flowing Tubing Pressure (DWt)	(c) Flowing Meter Pressure (DWt)	(d) Flow Chart Static Reading	(e) Meter Error (Item c — Item d)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
--	--	--	--	0	0	135
(h) Corrected Meter Pressure (g+e)	**(i) Avg. Wellhead Press. P_t = (h+f)**	**(j) Shut-in Casing Pressure (DWt)**	**(k) Shut-in Tubing Pressure (DWt)**	**(l) P_c = higher value of (j) or (k)**	**(m) Del. Pressure P_d = 80 %P_c**	**(n) Separator or Dehydrator Pr. (DWt) for critical flow only**
135	135	623	--	623	498	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume — MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
303	1.0000	1.0000	Q = 303 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-s})(F_c Q_m)^2(1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
0.168	2829	475	18225	18700	137

DELIVERABILITY CALCULATION

$$D = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 303 \left(\frac{140125}{369429}\right)^n = (0.3793)^n = 0.4833 = 146 \text{ MCF/D}$$

REMARKS:

New Well 1st Del. 12-24-71

SUMMARY OK

Item h	135	Psia
P_c	623	Psia
Q	303	MCF/D
P_w	137	Psia
P_d	498	Psia
D	146	MCF/D

Company EL PASO NATURAL GAS COMPANY

By

Title

Witnessed By

Company

RECEIVED
JAN 31 1972
OIL CON. COM.
DIST. 3