

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1966

Form C122-A
 Revised 1-1-66

POOL NAME So. Blanco	POOL SLOPE n= 85	FORMATION Pictured Cliff	COUNTY San Juan
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COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Blanco No. 17		
UNIT LETTER G	SECTION 36	TOWNSHIP 28	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 2875	CASING I.D. - INCHES 2441	SET AT DEPTH - FEET 2817	TUBING O.D. - INCHES NONE	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2704 TO 2734		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY .634	GRAVITY X LENGTH 1714 ✓
DATE OF FLOW TEST FROM 9/13/66 TO 9/21/66			DATE SHUT-IN PRESSURE MEASURED 7/11/66		

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.) 497
(h) Corrected Meter Pressure (g + e) 497	(i) Avg. Wellhead Press. $P_i = (h + f)$ 497	(j) Shut-in Casing Pressure (DWt) 1028	(k) Shut-in Tubing Pressure (DWt) 0000	(l) P_c = higher value of (j) or (k) 1028	(m) Del. Pressure $P_d =$ 80 % P_c 822 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 599	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 599 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.117 ✓	$(F_c Q_m)^2 (1000)$ 11056 ✓	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 1294 ✓	P_t^2 247009 ✓	$P_w^2 = P_t^2 + R^2$ 248303 ✓	$P_w = \sqrt{P_w^2}$ 498 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 599 $\left[\frac{381100}{808481} \right]^n =$.4713 $=$.5275 $=$ 316 MCF/D

REMARKS:

New Well First Delivered 8-17-66.

SUMMARY

Item h	497	Psia
P_c	1028	Psia
Q	599	MCF/D
P_w	498	Psia
P_d	822	Psia
D	316	MCF/D

Company **EL PASO NATURAL GAS COMPANY**
 By **H. L. Kendrick**
 Title **Regional Well Test Engineer**
 Witnessed By _____
 Company _____

