

INTERNATIONAL OIL CONCENTRATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 1970

Form C122-A
Revised 1-1-68

POOL NAME So. Blanco	POOL SLOPE n = .85	FORMATION PC	COUNTY RA
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COMPANY El Paso Natural Gas Co			WELL NAME AND NUMBER 87-202 San Juan 28-7 Unit No. 149		
UNIT LETTER E	SECTION 31	TOWNSHIP 28	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2866	TUBING O.D. - INCHES no tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2696 TO 2722		WELL PRODUCING THRU CASING xxx TUBING		GAS GRAVITY .652	GRAVITY X LENGTH 1758 ✓
DATE OF FLOW TEST FROM 12-21-70 TO 12-29-70			DATE SHUT-IN PRESSURE MEASURED 8-31-70		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 199
(h) Corrected Meter Pressure (g+e) 199 ✓	(i) Avg. Wellhead Press. $P_t = (h+f)$ 199 ✓	(j) Shut-in Casing Pressure (DWt) 918	(k) Shut-in Tubing Pressure (DWt) -	(l) P_c = higher value of (i) or (k) 918	(m) Del. Pressure $P_d = \frac{80}{734} \% P_c$ 734 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 274	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 274 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.120 ✓	$(F_c Q_m)^2 (1000)$ 2313 ✓	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 278 ✓	P_t^2 39601 ✓	$P_w^2 = P_t^2 + R^2$ 39879 ✓	$P_w = \sqrt{P_w^2}$ 200 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 274	$\left(\frac{303968}{802845} \right)^n =$.3786	$\left(\frac{.3786}{.4380} \right)^n =$.4380	$=$ 120 MCF/D
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REMARKS:

New well, 1st del. 11-28-70.

SUMMARY

Iter : **199** Psia
 P_c **918** Psia
 Q **274** MCF/D
 P_w **200** Psia
 P_d **734** Psia
 D **120** MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By **A. E. McAnally**

Title

Witnessed By

Company

