

WELL DELIVERABILITY TEST REPORT FOR 1971

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE $n = .85$	FORMATION PC	COUNTY SJ
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87-210

COMPANY El Paso Natural Gas Co			WELL NAME AND NUMBER Grambling "C" No. 8		
UNIT LETTER I	SECTION 12	TOWNSHIP 30	RANGE 10	PURCHASING PIPELINE EENG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3190	TUBING O.D. - INCHES no tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 3068 TO 3084		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .642	GRAVITY X LENGTH 1970
DATE OF FLOW TEST FROM 1-13-71 TO 1-21-71			DATE SHUT-IN PRESSURE MEASURED 9-9-70		

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.) 171
(h) Corrected Meter Pressure (g+e) 171	(i) Avg. Wellhead Press. $P_i = (h+f)$ 171	(j) Shut-in Casing Pressure (DWt) 734	(k) Shut-in Tubing Pressure (DWt) -	(l) $P_c =$ higher value of (j) or (k) 734	(m) Del. Pressure $P_d = \frac{80}{587} \% P$ 587	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 386	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 386 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.133	$(F_c Q_m)^2 (1000)$ 4591	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 611	P_t^2 29241	$P_w^2 = P_t^2 + R^2$ 29852	$P_w = \sqrt{P_w^2}$ 173
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 386	$\left[\frac{194187}{508904} \right]^n =$.3815	$=$.4408	$=$ 170 MCF/D
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REMARKS:

New well, 1st del. 12-10-70

SUMMARY

Item h **171** Psia
 P_c **734** Psia
 Q **386** MCF/D
 P_w **173** Psia
 P_d **587** Psia
 D **170** MCF/D

Company **EL PASO NATURAL GAS COMPANY**
 By **A. E. NIS Analyst**
 Title _____
 Witnessed By _____
 Company _____

