

WELL DELIVERABILITY TEST REPORT FOR 19 71

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .85	FORMATION PC	COUNTY SJ
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COMPANY El Paso Natural Gas Co			WELL NAME AND NUMBER 87-210 Grambling "C" No. 7		
UNIT LETTER A	SECTION 12	TOWNSHIP 30	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3162	TUBING O.D. - INCHES no tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 3060 TO 3072		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .638	GRAVITY X LENGTH 1952
DATE OF FLOW TEST FROM 1-13-71 TO 1-21-71			DATE SHUT-IN PRESSURE MEASURED 9-8-70		

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)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
-	-	-	-	0	0	221
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_i = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_e = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{80}{\%P_c}$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
221	221	864	-	864	691	

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
1378	1.0000	1.0000	Q = 1378 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_i^2	$P_w^2 = P_i^2 + R^2$	$P_w = \sqrt{P_i^2}$
.132	58511	7723	48841	56564	238

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 1378 \left[\frac{269015}{689932} \right]^n = (.3899)^n = .4491 = 619 \text{ MCF/D}$$

REMARKS:

New well, 1st del. 12-16-70

SUMMARY

Item h 221 Psia
 P_c 864 Psia
 Q 1378 MCF/D
 P_w 238 Psia
 P_d 691 Psia
 D 619 MCF/D

Company EL PASO NATURAL GAS COMPANY

By D. E. M. Analy

Title

Witnessed By

Company

