

Deliverable

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19-70

Form CT22-A
Revised 1-1-68

POOL NAME Tapacito	POOL SLOPE .85	FORMATION PC	COUNTY
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COMPANY El Paso Natural Gas Company		WELL NAME AND NUMBER San Juan 27-5 Unit No. 95			
UNIT LETTER M	SECTION 15	TOWNSHIP 27	RANGE 5	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3536	CASING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 3425
GAS PAY ZONE FROM 3408 TO 3436		WELL PRODUCING THRU CASING XX		GAS GRAVITY .652	GRAVITY X LENGTH 2233
DATE OF FLOW TEST FROM 9-30-70 TO 10-8-70		SHUT-IN PRESSURE MEASURED 3-5-69			

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) -	(b) Flowing Tubing Pressure (DWt) -	(c) Flowing Meter Pressure (DWt) -	(d) Flow Casing Static Standing -	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-e) 0	(g) Average Meter Pressure (Integr.) 397
(h) Corrected Meter Pressure (g+e) 397	(i) Avg. Wellhead Press. $P_w = (h+f)$ 397	(j) Shut-in Casing Pressure (DWt) 632	(k) Shut-in Tubing Pressure (DWt) -	(l) P_c = higher value of (j) or (k) 632	(m) Del. Pressure $P_d = 80\% P_c$ 506	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 237	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 237 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.150	$(F_c Q_m)^2 (1000)$ 34047	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 5107	P_i^2 157609	$P_w^2 = P_i^2 + R^2$ 162716	$P_w = \sqrt{P_w^2}$ 403
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 237	$\left(\frac{143388}{236708} \right)^n =$.6057	$=$.6530	$=$ 155 MCF/D
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REMARKS:

Ran tubing 9-1-70

SUMMARY

Item b **397** Psia
 P_c **632** Psia
 Q **237** MCF/D
 P_w **403** Psia
 P_d **506** Psia
155 MCF/D

Company **EL PASO NATURAL GAS COMPANY**By **R. H. HUGHES**

Title

Witnessed By

Company

