

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
 Revised 1-1-68

POOL NAME South Blanco	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY San Juan
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75-924

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Tapp No. 7		
UNIT LETTER E	SECTION 23	TOWNSHIP 28	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2967	TUBING O.D. - INCHES No tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2856 TO 2878		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .633	GRAVITY X LENGTH 1808
DATE OF FLOW TEST FROM 1-11-69 TO 1-19-69			DATE SHUT-IN PRESSURE MEASURED 11-12-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 483	(b) Flowing Tubing Pressure (DWt) 483	(c) Flowing Meter Pressure (DWt) 1044	(d) Flow Chart Static Reading 1044	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 483
(h) Corrected Meter Pressure (g+e) 483	(i) Avg. Wellhead Press. $P_i = (h+f)$ 483	(j) Shut-in Casing Pressure (DWt) 1044	(k) Shut-in Tubing Pressure (DWt) 1044	(l) $P_c =$ higher value of (i) or (k) 1044	(m) Del. Pressure $P_d = \frac{80}{835} \% P_c$ 80	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 515	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume q = 515 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.123	$(F_c q_m)^2 (1000)$ 8174	$R^2 = (1-e^{-s}) (F_c q_m)^2 (1000)$ 1005	P_i^2 233289	$P_w^2 = P_i^2 + R^2$ 234294	$P_w = \sqrt{P_w^2}$ 484
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DELIVERABILITY CALCULATION

$D = q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 515	$\left(\frac{392711}{855642} \right)^n =$.4589	$=$.515	266 MCF/D
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REMARKS:

New well first delivered 12-20-68

SUMMARY

Item h	483	Psia
P_c	1044	Psia
q	515	MCF/D
P_w	484	Psia
P_d	835	Psia
D	266	MCF/D

616

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

