

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1968

Form C122-A
 Revised 1-1-66

WELL NAME <u>Undesignated</u> AZ000	SLOPE n = <u>.85</u>	FORMATION <u>Pictured Cliffs</u>	COUNTY <u>San Juan</u>
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75705

COMPANY <u>El Paso Natural Gas Company</u>			WELL NAME AND NUMBER <u>Atlantic C No. 8</u>		
UNIT LETTER <u>A</u>	SECTION <u>31</u>	TOWNSHIP <u>31</u>	RANGE <u>10</u>	PURCHASING PIPELINE <u>El Paso Natural Gas Company</u>	
CASING O.D. - INCHES <u>2.875</u>	CASING I.D. - INCHES <u>2.441</u>	SET AT DEPTH - FEET <u>2883</u>	TUBING O.D. - INCHES <u>NO TUBING</u>	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM <u>2718</u> TO <u>2750</u>		WELL PRODUCING THRU CASING <u>X</u> TUBING		GAS GRAVITY <u>.658</u>	GRAVITY X LENGTH <u>1788</u>
DATE OF FLOW TEST FROM <u>12-20-67</u> TO <u>12-28-67</u>			DATE SHUT-IN PRESSURE MEASURED <u>9-14-67</u>		

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.) <u>490</u>
(h) Corrected Meter Pressure (g + e) <u>490</u>	(i) Avg. Wellhead Press. $P_i = (h + f)$ <u>490</u>	(j) Shut-in Casing Pressure (DWt) <u>911</u>	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k) <u>911</u>	(m) Del. Pressure $P_d = \frac{80}{729}$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D <u>395</u>	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ <u>1.0000</u>	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ <u>1.0000</u>	Corrected Volume $Q = \underline{395}$ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ <u>.122</u>	$(F_c Q_m)^2 (1000)$ <u>4809</u>	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ <u>587</u>	P_t^2 <u>240100</u>	$P_w^2 = P_t^2 + R^2$ <u>240687</u>	$P_w = \sqrt{P_w^2}$ <u>491</u>
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \underline{395}$	$\left[\frac{298480}{589234} \right]^n = \underline{.5065}$	$\left[\frac{298480}{589234} \right]^n = \underline{.5608}$	$= \underline{222}$ MCF/D
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REMARKS:

New Well
 First Delivered 11-28-67.

OK

SUMMARY

Item h	<u>490</u>	Psia
P_c	<u>911</u>	Psia
Q	<u>395</u>	MCF/D
P_w	<u>491</u>	Psia
P_d	<u>729</u>	Psia
D	<u>222</u>	MCF/D

Company El Paso Natural Gas Company
 By H. L. Kendrick *by 706* H. L. Kendrick
 Title Regional Well Test Engineer
 Witnessed By _____
 Company _____

