

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

Form C122-A
 Revised 1-1-68

POOL NAME Aztec	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY San Juan
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75-920

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Case No. 10		
UNIT LETTER C	SECTION 19	TOWNSHIP 31	RANGE 11	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2682	TUBING O.D. - INCHES No tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2550 TO 2588		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .662	GRAVITY X LENGTH 1688
DATE OF FLOW TEST FROM 1-18-69 TO 1-26-69			DATE SHUT-IN PRESSURE MEASURED 8-16-68		

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	504
(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_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{80}{555} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
504	504	694		694		

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 148	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume q = 148 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ Friction neg.	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$	P_i^2	$P_w^2 = P_i^2 + R^2$ Use P_t^2	$P_w = \sqrt{P_w^2}$ 504
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 148	$\left(\frac{173611}{227620} \right)^n =$.7627	$=$ 118 MCF/D
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REMARKS:

New well first delivered 12-18-68

SUMMARY

Item h	504	Psia
P _c	694	Psia
Q	148	MCF/D
P _w	504	Psia
P _d	555	Psia
D	118	MCF/D

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

