

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1967

Form CI22-A
 Revised 1-1-66

POOL NAME Aztec Ext.	POOL SLOPE n= .85	FORMATION Pictured Cliffs	COUNTY San Juan
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75672

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Julander No. 1		
UNIT LETTER J	SECTION 13	TOWNSHIP 29	RANGE 10	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2156	TUBING O.D. - INCHES NO TUBING	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 1996 TO 2036		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY .658	GRAVITY X LENGTH 1313
DATE OF FLOW TEST FROM 10-22-67 TO 10-30-67			DATE SHUT-IN PRESSURE MEASURED 8-16-67		

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 - e) 	(g) Average Meter Pressure (Integr.) 218
(h) Corrected Meter Pressure (g + e) 218	(i) Avg. Wellhead Press. $P_i = (h + f)$ 218	(j) Shut-in Casing Pressure (DWt) 685	(k) Shut-in Tubing Pressure (DWt) ---	(l) P_c = Higher value of (j) or (k) 685	(m) Del. Pressure $P_d = \frac{80}{548} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 544	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 544 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.091	$(F_c Q_m)^2 (1000)$ 9120	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 830	P_t^2 47524	$P_w^2 = P_t^2 + R^2$ 48354	$P_w = \sqrt{P_w^2}$ 220
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 544	$\left[\frac{168921}{420871} \right]^n =$.4013	$=$.4600	$=$ 250 MCF/D
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REMARKS:

New Well First Delivered 10-4-67.

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SUMMARY

Item h	218	Psia
P_c	685	Psia
Q	544	MCF/D
P_w	220	Psia
P_d	548	Psia
D	250	MCF/D

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



