

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
Revised 1-1-68

POOL NAME AZTEC	POOL SLOPE n = .85	FORMATION PC	COUNTY SJ
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75-713

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER NEUDECKER #5		
UNIT LETTER E	SECTION 35	TOWNSHIP 29	RANGE 10	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2101	TUBING O.D. - INCHES 0.000	TUBING I.D. - INCHES 0.000	TOP - TUBING PERF. - FEET 0
GAS PAY ZONE FROM 1966 TO 1978		WELL PRODUCING THRU CASING X	GAS GRAVITY 0.635		GRAVITY X LENGTH 1248 ✓
DATE OF FLOW TEST FROM 01/10/68 TO 01/18/68			DATE SHUT-IN PRESSURE MEASURED 10/05/67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(e) Flowing Casing Pressure (DWt) 0	(b) Flowing Tubing Pressure (DWt) 0	(c) Flowing Meter Pressure (DWt) 0	(d) Flow Chart Static Reading 0	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 211
(h) Corrected Meter Pressure (g+e) 211	(i) Avg. Wellhead Press. $P_f = (h+f)$ 211	(j) Shut-in Casing Pressure (DWt) 526	(k) Shut-in Tubing Pressure (DWt) 0	(l) P_c = higher value of (j) or (k) 526 ✓	(m) Del. Pressure $P_d = 80\% P_c$ 421 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 355	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 355 ✓ MCF/D
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5.551

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.087 ✓	$(F_c Q_m)^2 (1000)$ 3,885 ✓	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 338 ✓	P_t^2 44521 ✓	$P_w^2 = P_t^2 + R^2$ 44859 ✓	$P_w = \sqrt{P_w^2}$ 212 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	355 ✓	$\left[\frac{99435}{231817} \right]^n =$	0.4289 ✓	$=$	0.4879 ✓	$=$	173 ✓ MCF/D
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REMARKS:

New Well First Delivered 12-22-67.

SUMMARY

Item h **211** ✓ Psia
P_c **526** ✓ Psia
Q **355** ✓ MCF/D
P_w **212** ✓ Psia
P_d **421** ✓ Psia
D **173** ✓ MCF/D

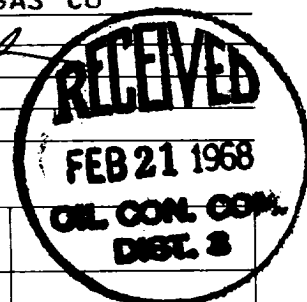
Company **EL PASO NATURAL GAS CO**

By

Title

Witnessed By

Company



NEW YORK CITY OFFICE

NEW YORK CITY OFFICE

Initial
Date

TO: [illegible]
FROM: [illegible]
SUBJECT: [illegible]
[illegible text follows]

[illegible text follows]

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