

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 1970

Form C122-A
Revised 1-1-62

POOL NAME Aztec	POOL SLOPE n = .85	FORMATION PC	COUNTY SJ
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COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Hubbell No. 1-Y		
UNIT LETTER K	SECTION 7	TOWNSHIP 29	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2132	TUBING O.D. - INCHES No tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2024 TO 2048		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .645	GRAVITY X LENGTH 1305
DATE OF FLOW TEST FROM 3-4-70 TO 3-12-70			DATE SHUT-IN PRESSURE MEASURED 1-5-70		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 189
(h) Corrected Meter Pressure (g+e) 189	(i) Avg. Wellhead Press. $P_i = (h+f)$ 189	(j) Shut-in Casing Pressure (DWt) 607	(k) Shut-in Tubing Pressure (DWt) --	(l) $P_c =$ higher value of (j) or (k) 607	(m) Del. Pressure $P_d = \frac{80}{486} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 538	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 538 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.091	$(F_c Q_m)^2 (1000)$ 8919	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 812	P_i^2 35721	$P_w^2 = P_i^2 + R^2$ 36533	$P_w = \sqrt{P_w^2}$ 191
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	538	$\left[\frac{132253}{331916} \right]^n =$	.3984	$=$	.4574	$=$	246 MCF/D
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REMARKS:

New well, 1st del. 1-29-70.

SUMMARY

Item h **189** Psia
 P_c **607** Psia
 Q **538** MCF/D
 P_w **191** Psia
 P_d **486** Psia
 D **246** MCF/D

Company **El Paso Natural Gas Co.**
 By **[Signature]**
 Title **[Signature]**
 Witnessed By **[Signature]**
 Company **[Signature]**

MAR 23 1970
OIL CON. COM.
DIST. 3