

Initial
deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 1970

Form C122-A
Revised 1-1-68

POOL NAME Otero	POOL SLOPE n = .75	FORMATION CH	COUNTY RA
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87-121

COMPANY EPNG El Paso Natural Gas			WELL NAME AND NUMBER Canyon Largo Unit No. 154		
UNIT LETTER E	SECTION 12	TOWNSHIP 25	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3941	TUBING O.D. - INCHES no tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 3758 TO 3782		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .728	GRAVITY X LENGTH 2736
DATE OF FLOW TEST FROM 1-31-70 TO 2-8-70			DATE SHUT-IN PRESSURE MEASURED 11-24-69		

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.) 255
(h) Corrected Meter Pressure (g + e) 255	(i) Avg. Wellhead Press. $P_i = (h + f)$ 255	(j) Shut-in Casing Pressure (DWt) 864	(k) Shut-in Tubing Pressure (DWt) -	(l) $P_c =$ higher value of (j) or (k) 864	(m) Del. Pressure $P_d =$ 80 % P_c 691	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 244	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 244 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.180	$(F_c Q_m)^2 (1000)$ 1835	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 330	P_i^2 65025	$P_w^2 = P_i^2 + R^2$ 65355	$P_w = \sqrt{P_w^2}$ 256
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 244	$\left[\frac{269015}{681141} \right]^n =$.3949	$\left[\frac{.3949}{.4982} \right]^n =$.4982	$=$ 122 MCF/D
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REMARKS:

New Well 1st del. 1-9-70

SUMMARY

Item h **255** Psia
 P_c **864** Psia
 Q **244** MCF/D
 P_w **256** Psia
 P_d **691** Psia
 D **122** MCF/D

Company **El Paso Natural Gas Co.**

By **A. E. [Signature]**

Title **[Signature]**

Witnessed By **[Signature]**

Company **[Signature]**

