

WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY RA
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87-156

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Rosa Unit No. 51		
UNIT LETTER C	SECTION 23	TOWNSHIP 31	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.000	SET AT DEPTH - FEET 7965	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7735
GAS PAY ZONE FROM 7781 TO 7920		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .589	GRAVITY X LENGTH 4556
DATE OF FLOW TEST FROM 8-3-70 TO 8-11-70			DATE SHUT-IN PRESSURE MEASURED 3-9-70		

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.) 451
(h) Corrected Meter Pressure (g+e) 451	(i) Avg. Wellhead Press. $P_i = (h+f)$ 451	(j) Shut-in Casing Pressure (DWt) 2050	(k) Shut-in Tubing Pressure (DWt) 2050	(l) $P_c =$ higher value of (j) or (k) 2050	(m) Del. Pressure $P_d = 50\% P_c$ 1025	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 311	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 311 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.282	$(F_c Q_m)^2 (1000)$ 8550	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 2411	P_i^2 203401	$P_w^2 = P_i^2 + R^2$ 205812	$P_w = \sqrt{P_w^2}$ 454
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	311	$\left(\frac{3151875}{3996688} \right)^n =$	.7886	$=$	.8369	$=$	260 MCF/D
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REMARKS:

New well, 1st del. 7-15-70

SUMMARY

Item h 451 Psia
 P_c 2050 Psia
 Q 311 MCF/D
 P_w 454 Psia
 P_d 1025 Psia
 260

Company EL PASO NATURAL GAS COMPANY

By

Title

Witnessed By

Company



