

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY Rio Arriba
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COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Rincon Unit Eto. 131		
UNIT LETTER K	SECTION 36	TOWNSHIP 27	RANGE 7	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7494	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7164
GAS PAY ZONE FROM 7186 TO 7447		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .689	GRAVITY X LENGTH 4936
DATE OF FLOW TEST FROM 2-04-69 TO 2-12-69			DATE SHUT-IN PRESSURE MEASURED 12-03-68		

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-c)	(g) Average Meter Pressure (Integr.)
				0	0	470
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_f = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{50}{1260} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
470	470	2519	2461	2519	1260	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
1039	1.0000	1.0000	Q = 1039 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$ 0.302	$(F_c Q_m)^2 (1000)$ 95426	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 28819	P_i^2 220900	$P_w^2 = P_i^2 + R^2$ 249719	$P_w = \sqrt{P_w^2}$ 500
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1039	$\left[\frac{4757761}{6095642} \right]^n =$	0.7805	$=$	0.8303	$=$	863 MCF/D
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REMARKS:

New well first delivered 1-08-69

SUMMARY

Item h	470	Psia
P_c	2519	Psia
Q	1039	MCF/D
P_w	500	Psia
P_d	1260	Psia
D	863	MCF/D

Company EL PASO NATURAL GAS COMPANY
 By H. L. Kendrick H. L. Kendrick
 Title Regional Well Test Engineer
 Witnessed By _____
 Company _____

