

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 69Form C122-A
Revised 1-1-68

POOL NAME BASIN	POOL SLOPE $n = .75$	FORMATION DAKOTA	COUNTY RA
---------------------------	-------------------------	----------------------------	---------------------

73-321

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER RINCON UNIT #138		
UNIT LETTER A	SECTION 25	TOWNSHIP 27	RANGE 7	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.000	SET AT DEPTH - FEET 7789	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7622
GAS PAY ZONE FROM 7462 TO 7684		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.647	GRAVITY X LENGTH 4931
DATE OF FLOW TEST FROM 02/27/69 TO 03/07/69			DATE SHUT-IN PRESSURE MEASURED 09/27/68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) 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.) 456
(h) Corrected Meter Pressure (g+e) 456	(i) Avg. Wellhead Press. $P_1 = (h+f)$ 456	(j) Shut-in Casing Pressure (DWt) 1086	(k) Shut-in Tubing Pressure (DWt) 1095	(l) $P_c =$ higher value of (i) or (k) 1095	(m) Del. Pressure $P_d = 50\% P_c$ 548	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 196	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 196 MCF/D
---	--	---	--

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.301	$(F_c Q_m)^2 (1000)$ 3,397	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 1022	P_t^2 207936	$P_w^2 = P_t^2 + R^2$ 208958	$P_w = \sqrt{P_w^2}$ 457
-----------------------------	--------------------------------------	--	--------------------------	--	------------------------------------

DELIVERABILITY CALCULATION

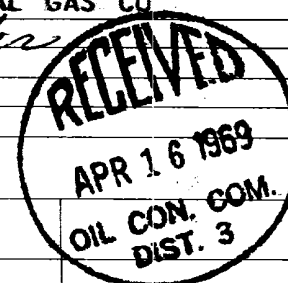
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 196	$\left(\frac{898721}{990067} \right)^n =$ 0.9077	$=$ 0.9299	$=$ 182 MCF/D
--	---	----------------------	-------------------------

REMARKS: Installed Intermittent. Turned back on production 2-4-69

SUMMARY

Item h **456** Psia
 P_c **1095** Psia
 Q **196** MCF/D
 P_w **457** Psia
 P_d **548** Psia
 D **182** MCF/D

Company **EL PASO NATURAL GAS CO**
By **R.E. Stauffer**
Title
Witnessed By
Company



NEW MEXICO OIL CONSERVATION COMMISSION

W. L. BERNHARDT, JR., DIRECTOR

ALBUQUERQUE, N. M. 87102

198-1

UNIT NO. 1

UNIT NO. 2

UNIT NO. 3

UNIT NO. 4

UNIT NO. 5

UNIT NO. 6

UNIT NO. 7

UNIT NO. 8

UNIT NO. 9

UNIT NO. 10

UNIT NO. 11

UNIT NO. 12

UNIT NO. 13

UNIT NO. 14

UNIT NO. 15

UNIT NO. 16

UNIT NO. 17

UNIT NO. 18

UNIT NO. 19

UNIT NO. 20

UNIT NO. 21

UNIT NO. 22

UNIT NO. 23

UNIT NO. 24

UNIT NO. 25

UNIT NO. 26

UNIT NO. 27

UNIT NO. 28

UNIT NO. 29

UNIT NO. 30

