

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 Rio Arriba
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COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Rincon Unit No. 187		
UNIT LETTER A	SECTION 35	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 7642	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7530
GAS PAY ZONE FROM 7340 TO 7576		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .695	GRAVITY X LENGTH 5233
DATE OF FLOW TEST FROM 2-04-69 TO 2-12-69			DATE SHUT-IN PRESSURE MEASURED 12-09-69		

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)	(f) Friction Loss (a-c) or (b-c)	(g) Average Meter Pressure (Integr.)
				0	0	505
(h) Corrected Meter Pressure (g+e)	(i) Avg. Wellhead Press. $P_t = (h+f)$	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{50}{1310} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
505	505	2620	2607	2620		

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
305	1.0000	1.0000	Q = 305 MCF/D

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.316	$(F_c Q_m)^2 (1000)$ 8223	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 2598	P_t^2 255025	$P_w^2 = P_t^2 + R^2$ 257623	$P_w = \sqrt{P_w^2}$ 508
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DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 305 \left[\frac{5148300}{6606777} \right]^n = \left(0.7792 \right)^n = 0.8292 = 253 \text{ MCF/D}$$

REMARKS:

New well first delivered 1-13-69

SUMMARY

Item h 505 Psia
 P_c 2620 Psia
 Q 305 MCF/D
 P_w 508 Psia
 P_d 1310 Psia
 D 253 MCF/D

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

