

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 67

Form C122-A
Revised 1-1-66

POOL NAME Tapacito	POOL SLOPE n= .85	FORMATION Pictured Cliffs	COUNTY Rio Arriba
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86563

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Jicarilla 92 No. 3		
UNIT LETTER M	SECTION 30	TOWNSHIP 27	RANGE 3	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 4155	TUBING O.D. - INCHES NO TUBING	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 4022 TO 4102		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY .658	GRAVITY X LENGTH 2646
DATE OF FLOW TEST FROM 10-15-67 TO 10-23-67			DATE SHUT-IN PRESSURE MEASURED 8-9-67		

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.) 505
(h) Corrected Meter Pressure (g + e) 505	(i) Avg. Wellhead Press. $P_t = (h + f)$ 505	(j) Shut-in Casing Pressure (DWt) 1125	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k) 1125	(m) Del. Pressure $P_d = \frac{80}{900} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 478	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 478 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.175	$(F_c Q_m)^2 (1000)$ 7038	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 1232	P_t^2 255025	$P_w^2 = P_t^2 + R^2$ 256257	$P_w = \sqrt{P_w^2}$ 506
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 478$	$\left[\frac{455625}{1009368} \right]^n = .4513$	$\left[\frac{.5085}{.5095} \right]^n = .999$	$\frac{243}{244} \text{ MCF/D}$
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REMARKS:

New well first delivered 9-27-67.

SUMMARY

Item h 505 Psia
P_c 1125 Psia
Q 478 MCF/D
P_w 506 Psia
P_d 900 Psia
D 244 243 MCF/D

Company El Paso Natural Gas Company
By H. L. Kendrick
Title Regional Well Test Engineer
Witnessed By _____
Company _____

OK

