

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 66

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesa Verde	COUNTY San Juan
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COMPANY EL PASO NATURAL GAS COMPANY			WELL NAME AND NUMBER Mansfield No. 9		
UNIT LETTER A	SECTION 29	TOWNSHIP 30	RANGE 9	PURCHASING PIPELINE EL PASO NATURAL GAS COMPANY	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5016	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 4941
GAS PAY ZONE FROM 4846 TO 4970		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .675	GRAVITY X LENGTH 3335
DATE OF FLOW TEST FROM 12-11-66 TO 12-19-66			DATE SHUT-IN PRESSURE MEASURED 9-1-66		

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.) 519
(h) Corrected Meter Pressure (g + e) 519 ✓	(i) Avg. Wellhead Press. $P_t = (h + f)$ 519 ✓	(j) Shut-in Casing Pressure (DWt) 875	(k) Shut-in Tubing Pressure (DWt) 868	(l) P_c = higher value of (j) or (k) 875 ✓	(m) Del. Pressure $P_d = \frac{80}{700} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1233	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 1233 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.215 ✓	$(F_c Q_m)^2 (1000)$ 134398	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 28896	P_t^2 269361 ✓	$P_w^2 = P_t^2 + R^2$ 298257 ✓	$P_w = \sqrt{P_w^2}$ 546 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1233	$\left[\frac{275625}{467350} \right]^n =$	$.5897^n =$	$.6727^{36} =$	829 MCF/D
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REMARKS:

New Well First Delivered 11-18-66.

SUMMARY

Item h	519 ✓	Psia
P_c	875 ✓	Psia
Q	1233 ✓	MCF/D
P_w	546 ✓	Psia
P_d	700 ✓	Psia
D	829 ✓	MCF/D

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



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1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Sponholz (1980). The total chlorophyll content was determined by the method of Arar and Cook (1980). The carotenoid content was determined by the method of Lichtenthaler and Sponholz (1980). The total carotenoid content was determined by the method of Lichtenthaler and Sponholz (1980). The total carotenoid content was determined by the method of Lichtenthaler and Sponholz (1980).

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1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

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Figure 1 is a schematic representation of the experimental design. It shows a sequence of events: a subject is presented with a stimulus (a horizontal line), then a response is recorded (a vertical line), and finally, the stimulus is repeated (a horizontal line). The response is recorded on a scale from 0 to 100.

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10. *Chlorophyll *a** and *Chlorophyll *b** were determined by the method of Arar and Cook (1987).

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in the YEA medium for 24 h at 28°C. The cell concentration of the strains was adjusted to 10⁸ cells/ml. The cell suspension was mixed with the plant tissue and the transformation efficiency was determined. The results were expressed as the mean ± SD of three independent experiments. The asterisks indicate the significant difference between the strains at the same concentration of the cell suspension.

1. NAME _____
 2. DATE _____
 3. PERIOD _____

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