

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
Revised 1-1-68

POOL NAME BLANCO	POOL SLOPE n = 75	FORMATION MY	COUNTY SJ
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70-196

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER GRAMBLING C #3		
UNIT LETTER H	SECTION 12	TOWNSHIP 30	RANGE 10	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5643	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5285
GAS PAY ZONE FROM 4652 TO 5616		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.685	GRAVITY X LENGTH 3620
DATE OF FLOW TEST FROM 08/07/68 TO 08/15/68			DATE SHUT-IN PRESSURE MEASURED 06/20/68		

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.) 449
(h) Corrected Meter Pressure (g+e) 449	(i) Avg. Wellhead Press. $P_t = (h+f)$ 449	(j) Shut-in Casing Pressure (DWt) 851	(k) Shut-in Tubing Pressure (DWt) 848	(l) $P_c =$ higher value of (i) or (k) 851	(m) Del. Pressure $P_d =$ 30 $\% P_c$ 681	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1636	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 1636 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.231	$(F_c Q_m)^2 (1000)$ 236,606	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 54656	P_t^2 201601	$P_w^2 = P_t^2 + R^2$ 256257	$P_w = \sqrt{P_w^2}$ 506
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1636	$\left[\frac{260440}{467944} \right]^n =$ 0.5565	$\left[\frac{260440}{467944} \right]^n =$ 0.6443	$=$ 1054 MCF/D
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REMARKS:

First Delivered after OWWO 7-17-68.

SUMMARY

Item h **449** Psia
 P_c **851** Psia
 Q **1636** MCF/D
 P_w **506** Psia
 P_d **681** Psia
 D **1054** MCF/D

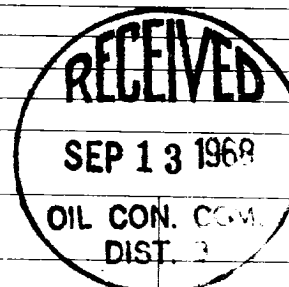
Company **EL PASO NATURAL GAS CO**

By

Title

Witnessed By

Company



[illegible]

6.

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354-15

Received 10 June 1997; accepted 10 July 1997

24.

LOW RATE CORRECTION: IN THE FUTURE

WORKING PRESSURE CALCULATION

YOUNG, J. 1960. *Unpublished*

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

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References

[illegible]

RECEIVED
SEP 13 1986
OIL COM. C.
DIST.