

Initial
Deliverability Test

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 MV	COUNTY SJ
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COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER CRAP LINE #2		
UNIT LETTER N	SECTION 14	TOWNSHIP 1N	RANGE 1E	PURCHASING PIPELINE EL PASO NATURAL GAS CO	
CASING O.D. - INCHES 5.610	CASING I.D. - INCHES 4.950	SET AT DEPTH - FEET 4507	TUBING O.D. - INCHES 4.575	TUBING I.D. - INCHES 4.41	TOP - TUBING PERF. - FEET 12
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY .677	GRAVITY X LENGTH
FROM 474 TO 545		CASING X	TUBING		
DATE OF FLOW TEST FROM 8/1/68 TO 10/2/68			DATE SHUT-IN PRESSURE MEASURED 10/1/68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 453	(b) Flowing Tubing Pressure (DWt) 453	(c) Flowing Meter Pressure (DWt) 444	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d) 444	(f) Friction Loss (a-c) or (b-c) 17	(g) Average Meter Pressure (Integr.)
(h) Corrected Meter Pressure (g+e) 453	(i) Avg. Wellhead Press. $P_t = (h+f)$ 463	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) P_c = higher value of (j) or (k) 444	(m) Del. Pressure $P_d = \text{ } \% P_c$ 17	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.000	Corrected Volume Q = 453 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.2	$(F_c Q_m)^2 (1000)$ 1,210	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 24	P_t^2 13,017	$P_w^2 = P_t^2 + R^2$ 13,041	$P_w = \sqrt{P_w^2}$ 114.2
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	453	$\left[\frac{250711}{457567} \right]^n =$	.113	$=$	.113	$=$	453	MCF/D
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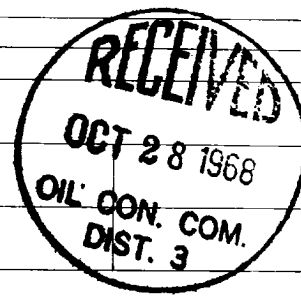
REMARKS:

First Delivered after ONWO 8-29-68.

SUMMARY

Item h **453** Psia
 P_c **444** Psia
 Q **453** MCF/D
 P_w **453** Psia
 P_d **675** Psia
 D **298** MCF/D

Company **EL PASO NATURAL GAS CO**
 By **[Signature]**
 Title
 Witnessed By
 Company



10-10-68 11:15 AM

NEW MEXICO OIL CONSERVATION COMMISSION

WEIGHTED AVERAGE OF FIVE TESTS

3

TEST NAME

COMPANY

STREET

CITY

STATE

ZIP

DATE

SPEEDING DATA - ALL PERCENTAGES

1st Running Time
Pressure (psi)

2nd Running Time
Pressure (psi)

3rd Running Time
Pressure (psi)

4th Running Time
Pressure (psi)

5th Running Time
Pressure (psi)

6th Running Time
Pressure (psi)

7th Running Time
Pressure (psi)

8th Running Time
Pressure (psi)

PERCENTAGE CORRECTION - PETER ERROR

Total Weighted Average W.C.P. D

Standard Deviation

Mean

$\sqrt{\frac{1}{n} \sum (x_i - \bar{x})^2}$

WORKING PRESSURE DATA

$D = \frac{1}{n} \sum \left(\frac{D_i}{D} \right)^2$

DELIVERABILITY CALCULATION

REMARKS

First Delivered after OWM 3-22-68.

SUMMARY

