

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 Mesa Verde	COUNTY San Juan
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70-414

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Vandewart "A" No. 3 (OWWO)		
UNIT LETTER M	SECTION 13	TOWNSHIP 29	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES	SET AT DEPTH - FEET 6010	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5778
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY .690	GRAVITY X LENGTH 3987
FROM 5251	TO 5932	CASING	TUBING XX		
DATE OF FLOW TEST FROM 12-3-68 TO 12-11-68			DATE SHUT-IN PRESSURE MEASURED 10-24-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 456	(b) Flowing Tubing Pressure (DWt) 456	(c) Flowing Meter Pressure (DWt) 872	(d) Flow Chart Static Reading 872	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 456
(h) Corrected Meter Pressure (g+e) 456	(i) Avg. Wellhead Press. $P_f = (h+f)$ 456	(j) Shut-in Casing Pressure (DWt) 872	(k) Shut-in Tubing Pressure (DWt) 872	(l) P_w higher value of (i) or (k) 872	(m) Del. Pressure $P_d = \frac{80}{698} P_c$ 698	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1205	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume 1205 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.252	$(F_c Q_m)^2 (1000)$ 128346	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 32343	P_t^2 207936	$P_w^2 = P_t^2 + R^2$ 240279	$P_w = \sqrt{P_w^2}$ 490
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1205	$\left[\frac{273180}{520105} \right]^n =$	.5252	$= \frac{.6170}{.6168} =$	743 MCF/D
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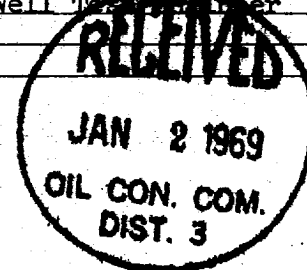
REMARKS:

First Delivered after OWWO 11-8-68.

SUMMARY

Item h **456** Psia
 P_c **872** Psia
 Q **1205** MCF/D
 P_w **490** Psia
 P_d **698** Psia
 D **743** MCF/D

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



10-11-12 10:00 AM 10:00 AM 10:00 AM

