

Delivered

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesa Verde	COUNTY San Juan
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70-344

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Vandewart "A" No. 4 (OWWO)		
UNIT LETTER B	SECTION 13	TOWNSHIP 29	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5547	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5224
GAS PAY ZONE FROM 4776 TO 5498		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .705	GRAVITY X LENGTH 3683
DATE OF FLOW TEST FROM 12-19-68 TO 12-27-68			DATE SHUT-IN PRESSURE MEASURED 11-14-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 483	(b) Flowing Tubing Pressure (DWt) 483	(c) Flowing Meter Pressure (DWt) 896	(d) Flow Chart Static Reading 898	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 483
(h) Corrected Meter Pressure (g+e) 483	(i) Avg. Wellhead Press. $P_f = (h+f)$ 483	(j) Shut-in Casing Pressure (DWt) 896	(k) Shut-in Tubing Pressure (DWt) 898	(l) P_m - higher value of (j) or (k) 898	(m) Del. Pressure $P_d = 80$ % P_c 718	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1621	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume 1621 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.235	$(F_c Q_m)^2 (1000)$ 232288	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 54588	P_t^2 233289	$P_w^2 = P_t^2 + R^2$ 287877	$P_w = \sqrt{P_w^2}$ 537
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1621	$\left(\frac{290880}{518527} \right)^n =$	.5609	$=$	.6480	$=$	1050 MCF/D
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REMARKS: First Delivered after OWO 11-22-68.

SUMMARY

Item h 483 Psia
P_c 898 Psia
Q 1621 MCF/D
P_w 537 Psia
P_d 718 Psia
D 1050 MCF/D

Company El Paso Natural Gas Co.
By J. H. ...
Title Regional Well Test ...
Witnessed By ...
Company ...

JAN 8 1969

OIL CON. COM.
DIST. 3

