

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1966

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 Balsack B No. 1		
UNIT LETTER G	SECTION 33	TOWNSHIP 28	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 7.000	CASING I.D. - INCHES 6.457	SET AT DEPTH - FEET 3705	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 4470
GAS PAY ZONE FROM 3770 TO 4565		WELL PRODUCING THRU CASING X TUBING X		GAS GRAVITY .702	GRAVITY X LENGTH
DATE OF FLOW TEST FROM 10-13-66 TO 10-21-66			DATE SHUT-IN PRESSURE MEASURED 1-14-66		

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.) 483
(h) Corrected Meter Pressure (g + e) 483	(i) Avg. Wellhead Press. $P_t = (h + f)$ 483	(j) Shut-in Casing Pressure (DWt) 821	(k) Shut-in Tubing Pressure (DWt) 818	(l) P_c = higher value of (j) or (k) 821	(m) Del. Pressure $P_d = \frac{80}{657} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 131	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 131 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-a})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1 - e^{-a}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$ USE P_t
FRICITION NEGLIGIBLE					

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	131	$\left[\frac{242392}{440752} \right]^n =$	.5459	$=$	.6385	$=$	84 MCF/D
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REMARKS:

Installed Intermittent 9-21-66

SUMMARY

Item h	483	Psia
P_c	821	Psia
Q	131	MCF/D
P_w	483	Psia
P_d	657	Psia
D	84	MCF/D

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

