

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 66

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n= 75	FORMATION Mesa Verde	COUNTY San Juan
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70226

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Day A No. 4		
UNIT LETTER M	SECTION 8	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 5326	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5235
GAS PAY ZONE FROM 4443 TO 5254		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .693	GRAVITY X LENGTH 3628
DATE OF FLOW TEST FROM 10-09-66 TO 10-17-66			DATE SHUT-IN PRESSURE MEASURED 8-25-66		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 483	(b) Flowing Tubing Pressure (DWt) 483	(c) Flowing Meter Pressure (DWt) 850	(d) Flow Chart Static Reading 601	(e) Meter Error (Item c - Item d) 850	(f) Friction Loss (a - c) or (b - c) 680	(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) 850	(k) Shut-in Tubing Pressure (DWt) 601	(l) P_c = higher value of (j) or (k) 850	(m) Del. Pressure $P_d = \frac{80}{100} P_c$ 680	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1389	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 1389 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.232	$(F_c Q_m)^2 (1000)^4$ 170537	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)^4$ 39565	P_t^2 233289	$P_w^2 = P_t^2 + R^2$ 272854	$P_w = \sqrt{P_w^2}$ 522
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1389	$\left[\frac{260100}{449646} \right]^n =$.5784	$=$.6635	$=$ 922 MCF/D
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REMARKS:

First Delivery after OWWO 9-21-66

SUMMARY

Item h **483** Psia
 P_c **850** Psia
 Q **1389** MCF/D
 P_w **522** Psia
 P_d **680** Psia
 D **922** MCF/D

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

