

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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70449

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Atlantic B No. 8		
UNIT LETTER M	SECTION 3	TOWNSHIP 30	RANGE 10	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4500	CASING I.D. - INCHES 4052	SET AT DEPTH - FEET 5436	TUBING O.D. - INCHES 2375	TUBING I.D. - INCHES 1995	TOP - TUBING PERF. - FEET 5326
GAS PAY ZONE FROM 4718 TO 4854		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .672	GRAVITY X LENGTH 3579 ✓
DATE OF FLOW TEST FROM 9-12-66 TO 9-20-66			DATE SHUT-IN PRESSURE MEASURED 4-19-66		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 483	(b) Flowing Tubing Pressure (DWt) 483	(c) Flowing Meter Pressure (DWt) 704	(d) Flow Chart Static Reading 705	(e) Meter Error (Item c - Item d) 705	(f) Friction Loss (a - c) or (b - c) 564 ✓	(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) 704	(k) Shut-in Tubing Pressure (DWt) 705	(l) $P_c =$ higher value of (j) or (k) 705	(m) Del. Pressure $P_d = \frac{80}{564} \% P_c$ 564 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1334	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.000	Corrected Volume Q = 1334 ✓ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.229 ✓	$(F_c Q_m)^2 (1000)$ 157302 ✓	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 36022	P_t^2 233289	$P_w^2 = P_t^2 + R^2$ 269311	$P_w = \sqrt{P_w^2}$ 519 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1334	$\left[\frac{178929}{227714} \right]^n =$.7857	$\left[\frac{178929}{227714} \right]^n =$.8342	$=$ 1113 MCF/D
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REMARKS:

Installed Piston Installation 8-25-66

CORRECTED COPY

SUMMARY

Item h **483** Psia
 P_c **705** Psia
 Q **1334** MCF/D
 P_w **519** Psia
 P_d **564** Psia
 D **1113** MCF/D

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

