

Int.
Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 71

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .85	FORMATION PC <i>Eyt</i>	COUNTY San Juan
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87-268

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Atlantic "A" No. 10		
UNIT LETTER M	SECTION 29	TOWNSHIP 31 21	RANGE 10	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2874	TUBING O.D. - INCHES No Tubing	TUBING I.D. - INCHES	TOP - TUBING DEPTH - FEET
GAS PAY ZONE FROM 2738 TO 2772		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .633	GRAVITY X LENGTH 1733
DATE OF FLOW TEST FROM 9-20-71 TO 9-28-71			DATE SHUT-IN PRESSURE MEASURED 4-26-71		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DAt) ---	(b) Flowing Tubing Pressure (DWt) ---	(c) Flowing Meter Pressure (DWt) ---	(d) Flow Chart Static Reading ---	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 177
(h) Corrected Meter Pressure (a-e) 177	(i) Avg. Wellhead Press. $P_1 = (h + f)$ 177	(j) Shut-in Casing Pressure (DWt) 982	(k) Shut-in Tubing Pressure (DWt) ---	(l) P_m = higher value of (j) or (k) 982	(m) Del. Pressure $P_d = \frac{80}{P_c}$ 786	(n) Separator or Dehydrator Pr. (DAt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 805	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 805 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ 0.118	$(F_c Q_m)^2 (1000)$ 19968	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 2356	P_1^2 31329	$P_w^2 = P_1^2 + R^2$ 33685	$P_w = \sqrt{P_w^2}$ 184
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	805	$\left[\frac{346528}{930639} \right]^n =$	0.3724	$=$	0.4319	$=$	348 MCF/D
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REMARKS: **New Well 1st Del. 9-3-71**

SUMMARY

Item h **177** Psia
 P_c **982** Psia
 Q **805** MCF/D
 P_w **184** Psia
 P_d **786** Psia
 D **348** MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By ***D. E. McAnally***

Title

Witnessed By

Company

