

POOL NAME Blanco	POOL SLOPE $n = .75$	FORMATION MV	COUNTY SJ
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70-264

COMPANY El Paso Natural Gas Co			WELL NAME AND NUMBER Atlantic D Com No. 1		
UNIT LETTER L	SECTION 36	TOWNSHIP 31	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES	SET AT DEPTH - FEET 5948	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5893
GAS PAY ZONE FROM 4984 TO 5904		WELL PRODUCING THRU CASING TUBING xx		GAS GRAVITY .668	GRAVITY X LENGTH 3937
DATE OF FLOW TEST FROM 12-14-70 TO 12-22-70			DATE SHUT-IN PRESSURE MEASURED 10-29-70		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 357
(h) Corrected Meter Pressure (g+e) 357	(i) Avg. Wellhead Press. $P_t = (h+f)$ 357	(j) Shut-in Casing Pressure (DWt) 840	(k) Shut-in Tubing Pressure (DWt) 834	(l) P_c = higher value of (j) or (k) 840	(m) Del. Pressure $P_d = \frac{80}{\%P_c}$ 672	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1367	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 1367 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.249	$(F_c Q_m)^2 (1000)$ 165188	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 41132	P_t^2 127449	$P_w^2 = P_t^2 + R^2$ 168581	$P_w = \sqrt{P_w^2}$ 411
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1367	$\left[\frac{254016}{537019} \right]^n =$.4730	$=$.5703	$=$ 780 MCF/D
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REMARKS:

OWWO, 1st. del. 11-17-70.

SUMMARY

Item h **357** Psia
 P_c **840** Psia
 Q **1367** MCF/D
 P_w **411** Psia
 P_d **672** Psia
 D **780** MCF/D

Company **EL PASO NATURAL GAS COMPANY**By **H. E. McAnally**

Title

Witnessed By

Company



