

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 1970

Form C122-A
Revised 1-1-68

POOL NAME Undesignated	POOL SLOPE n = .05	FORMATION PC	COUNTY SJ
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87-132

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER Atlantic "B" No. 10		
UNIT LETTER H	SECTION 5	TOWNSHIP 30	RANGE 10	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3102	TUBING O.D. - INCHES no tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2940 TO 3024		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .664	GRAVITY X LENGTH 1952
DATE OF FLOW TEST FROM 3-9-70 TO 3-17-70			DATE SHUT-IN PRESSURE MEASURED 1-6-70		

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.) 384
(h) Corrected Meter Pressure (g+e) 384	(i) Avg. Wellhead Press. $P_i = (h+f)$ 384	(j) Shut-in Casing Pressure (DWt) 966	(k) Shut-in Tubing Pressure (DWt) -	(l) P_c = higher value of (j) or (k) 966	(m) Del. Pressure $P_d = 30\% P_c$ 773	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 234	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 234 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$ Friction neg.	$(F_c Q_m)^2 (1000)$	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$	P_i^2	$P_w^2 = P_i^2 + R^2$ use p_{t2}	$P_w = \sqrt{P_w^2}$ 384
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 234 \left[\frac{335627}{785700} \right]^n = (.4271)^n = .4853 = 114 \text{ MCF/D}$

REMARKS: New Well, 1st del. 1-29-70

SUMMARY

Item h 384 Psia
P_c 966 Psia
Q 234 MCF/D
P_w 384 Psia
P_d 773 Psia
D 114 MCF/D

Company El Paso Natural Gas Co.

By

Title

Witnessed By

Company

