

Delivered 100

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesa Verde	COUNTY San Juan
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70-135

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Atlantic "B" No. 6		
UNIT LETTER M	SECTION 33	TOWNSHIP 31	RANGE 10	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.012	SET AT DEPTH - FEET 5520	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5210
GAS PAY ZONE FROM 4611 TO 5498		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .674	GRAVITY X LENGTH 3512
DATE OF FLOW TEST FROM 1-25-69 TO 2-2-69			DATE SHUT-IN PRESSURE MEASURED 12-05-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 423	(b) Flowing Tubing Pressure (DWt) 423	(c) Flowing Meter Pressure (DWt) 811	(d) Flow Chart Static Reading 809	(e) Meter Error (Item c - Item d) 0 811	(f) Friction Loss (a-c) or (b-c) 0 649	(g) Average Meter Pressure (Integr.) 423
(h) Corrected Meter Pressure (g+e) 423	(i) Avg. Wellhead Press. $P_t = (h+f)$ 423	(j) Shut-in Casing Pressure (DWt) 811	(k) Shut-in Tubing Pressure (DWt) 809	(l) P_c = higher value of (j) or (k) 811	(m) Del. Pressure $P_d = \frac{80}{649} P_c$ 80	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 873	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 873 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.225	$(F_c Q_m)^2 (1000)$ 67571	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 15158	P_t^2 178929	$P_w^2 = P_t^2 + R^2$ 194087	$P_w = \sqrt{P_w^2}$ 441
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$	873	$\left(\frac{236520}{463634} \right)^n$	0.5101	0.6034	527 MCF/D
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REMARKS:

First delivered after OWWO 12-27-68

SUMMARY

Item h 423 Psia
P_c 811 Psia
Q 873 MCF/D
P_w 441 Psia
P_d 649 Psia
D 527 MCF/D

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

RECEIVED
FEB 13 1969
OIL CON. COM.
DIST. 3

