

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

Form C122-A
Revised 1-1-68

POOL NAME So. Blanco	POOL SLOPE n = .85	FORMATION Pictured Cliffs	COUNTY San Juan
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75-928

COMPANY El Paso Natural Gas			WELL NAME AND NUMBER Howell No. 7		
UNIT LETTER F	SECTION 26	TOWNSHIP 28	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2490	TUBING O.D. - INCHES No tubing	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM 2326 TO 2356		WELL PRODUCING THRU CASING XX TUBING		GAS GRAVITY .626	GRAVITY X LENGTH 1456
DATE OF FLOW TEST FROM 1-16-69 TO 1-24-69			DATE SHUT-IN PRESSURE MEASURED 10-09-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 483	(b) Flowing Tubing Pressure (DWt) 483	(c) Flowing Meter Pressure (DWt) 1061	(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.) 483
(h) Corrected Meter Pressure (g+e) 483	(i) Avg. Wellhead Press. $P_f = (h+f)$ 483	(j) Shut-in Casing Pressure (DWt) 1061	(k) Shut-in Tubing Pressure (DWt)	(l) P_s = higher value of (i) or (k) 1061	(m) Del. Pressure $P_d = \frac{80}{849} \% P_c$ 849	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 332	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume q = 332 MCF/D
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WORKING PRESSURE CALCULATION

$(1-s^{-s})$ Friction Neg.	$(F_c q_m)^2 (1000)$	$R^2 = (1-s^{-s}) (F_c q_m)^2 (1000)$	P_i^2	$P_w^2 = P_i^2 + R^2$	$P_w = \sqrt{P_w^2}$ 483
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DELIVERABILITY CALCULATION

$D = q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 332	$\left(\frac{404920}{892432} \right)^n =$ 453	169 MCF/D
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REMARKS:

New well first delivered 12-20-68

SUMMARY

Item h **483** Psia
P **1061** Psia
Q **332** MCF/D
P **483** Psia
P **849** Psia
D **169** MCF/D

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

