

NEW MEXICO OIL CONSERVATION COMMISSION
 INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 67

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesa Verde	COUNTY San Juan
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70030

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER Howell C No. 3		
UNIT LETTER B	SECTION 7	TOWNSHIP 30	RANGE 8	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 6625	CASING I.D. - INCHES 6049	SET AT DEPTH - FEET 4500	TUBING O.D. - INCHES 2375	TUBING I.D. - INCHES 1995	TOP - TUBING PERF. - FEET 4510
GAS PAY ZONE FROM 4527 TO 5155		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 667	GRAVITY X LENGTH 3008
DATE OF FLOW TEST FROM 8-4-67 TO 8-12-67			DATE SHUT-IN PRESSURE MEASURED 6-28-67		

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)	(f) Friction Loss (a - c) or (b - c)	(g) Average Meter Pressure (Integr.) 513
(h) Corrected Meter Pressure (g + e) 513	(i) Avg. Wellhead Press. $P_t = (h + f)$ 513	(j) Shut-in Casing Pressure (DWT) 831	(k) Shut-in Tubing Pressure (DWT) 829	(l) $P_c =$ higher value of (j) or (k) 831	(m) Del. Pressure $P_d =$ 80 % P_c 665	(n) Separator or Dehydrator Pr. (DWT) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1119	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 1119 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.196	$(F_c Q_m)^2 (1000)$ 110691	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 21695	P_t^2 263169	$P_w^2 = P_t^2 + R^2$ 284864	$P_w = \sqrt{P_w^2}$ 534
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1119	$\left[\frac{248336}{405697} \right]^n =$	$.6121^n =$	$.6920$	$=$	774 MCF/D
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REMARKS:

First Delivered after OWWO 7-19-67

SUMMARY

Item h	513	Psia
P_c	831	Psia
Q	1119	MCF/D
P_w	534	Psia
P_d	665	Psia
D	774	MCF/D

Company El Paso Natural Gas Company
 By H. L. Kendrick
 Title Regional Well Test Engineer
 Witnessed By _____
 Company _____

