

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1967

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n = .750	FORMATION Mesa Verde	COUNTY Rio Arriba
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72101

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 29-7 Unit No. 65		
UNIT LETTER B	SECTION 22	TOWNSHIP 29	RANGE 7	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.950	SET AT DEPTH - FEET 5960	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5806
GAS PAY ZONE FROM 5404 TO 5884		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .659	GRAVITY X LENGTH 3826
DATE OF FLOW TEST FROM 3-28-67 TO 4-5-67			DATE SHUT-IN PRESSURE MEASURED 3-3-67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWI) 	(b) Flowing Tubing Pressure (DWI) 	(c) Flowing Meter Pressure (DWI) 	(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.) 555
(h) Corrected Meter Pressure (g + e) 555	(i) Avg. Wellhead Press. $P_t = (h + f)$ 555	(j) Shut-In Casing Pressure (DWI) 698	(k) Shut-In Tubing Pressure (DWI) 698	(l) $P_c =$ higher value of (j) or (k) 698	(m) Del. Pressure $P_d = \frac{80}{558} \% P_c$ 558	(n) Separator or Dehydrator Pr. (DWI) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 562	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 562 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-a})$.243	$(F_c Q_m)^2 (1000)$ 27921	$R^2 = (1 - e^{-a}) (F_c Q_m)^2 (1000)$ 6785	P_t^2 308025	$P_w^2 = P_t^2 + R^2$ 314810	$P_w = \sqrt{P_w^2}$ 561
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 562	$\left[\frac{175840}{172394} \right]^n =$ 1.0199	$=$ 1.0149	$=$ 570 MCF/D
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REMARKS:

Installed Intermittent 3-13-67.

SUMMARY

Item h	555	Psia
P _c	698	Psia
Q	562	MCF/D
P _w	561	Psia
P _d	558	Psia
D	570	MCF/D

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

