

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
 Revised 1-1-66

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY Rio Arriba
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86574

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 28-6 Unit No. 127		
UNIT LETTER H	SECTION 20	TOWNSHIP 28	RANGE 6	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.000	SET AT DEPTH - FEET 7684	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 7415
GAS PAY ZONE FROM 7446 TO 7656		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .678	GRAVITY X LENGTH 5027
DATE OF FLOW TEST FROM 12-12-67 TO 12-20-67			DATE SHUT-IN PRESSURE MEASURED 10-18-67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 541	(b) Flowing Tubing Pressure (DWt) 541	(c) Flowing Meter Pressure (DWt) 2762	(d) Flow Chart Static Reading 2762	(e) Meter Error (Item c - Item d) 2762	(f) Friction Loss (a - c) or (b - c) 1381	(g) Average Meter Pressure (Integr.) 541
(h) Corrected Meter Pressure (g + f) 541	(i) Avg. Wellhead Press. $P_t = (h + f)$ 541	(j) Shut-in Casing Pressure (DWt) 2762	(k) Shut-in Tubing Pressure (DWt) 2762	(l) P_c = higher value of (j) or (k) 2762	(m) Del. Pressure $P_d = \frac{50}{1381} \% P_c$ 1381	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 763	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 763 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.306	$(F_c Q_m)^2 (1000)$ 51466	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 15749	P_t^2 292681	$P_w^2 = P_t^2 + R^2$ 308430	$P_w = \sqrt{P_w^2}$ 555
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 763	$\left[\frac{5721483}{7320214} \right]^n =$.7816	$=$.8311	$=$ 634 MCF/D
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REMARKS:

First Delivered 11-21-67.

SUMMARY

Item h **541** Psia
 P_c **2762** Psia
 Q **763** MCF/D
 P_w **555** Psia
 P_d **1381** Psia
 D **634** MCF/D

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



