

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
 Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION DK	COUNTY RA
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86-635

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER San Juan 29-6 Unit No. 98		
UNIT LETTER K	SECTION 26	TOWNSHIP 29N	RANGE 6W	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 3.958	SET AT DEPTH - FEET 7720	TUBING O.D. - INCHES 1.900	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 7653
GAS PAY ZONE FROM 7588 TO 7690		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .678	GRAVITY X LENGTH 5189
DATE OF FLOW TEST FROM 5-19-70 TO 5-27-70			DATE SHUT-IN PRESSURE MEASURED 3-17-70		

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) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 434
(h) Corrected Meter Pressure (g+e) 434	(i) Avg. Wellhead Press. $P_i = (h+f)$ 434	(j) Shut-in Casing Pressure (DWt) 2644	(k) Shut-in Tubing Pressure (DWt) 2384	(l) $P_c =$ higher value of (j) or (k) 2644	(m) Del. Pressure $P_d = 50\% P_c$ 1322	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 379	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 379 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.314	$(F_c Q_m)^2 (1000)$ 38,925	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 12,222	P_i^2 188,356	$P_w^2 = P_i^2 + R^2$ 200,578	$P_w = \sqrt{P_w^2}$ 448
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 379	$\left[\frac{5,243,052}{6,790,158} \right]^n =$.7721	$\left[\frac{.8237}{.7721} \right]^n =$.8237	$=$ 312 MCF/D
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REMARKS:

New well, first delivered April 20, 1970

SUMMARY

Item h **434** Psia
 P_c **2644** Psia
 Q **379** MCF/D
 P_w **448** Psia
 P_d **1322** Psia
 D **312** MCF/D

Company **El Paso Natural Gas Company**

By **RE Stuyver**

Title

Witnessed By

Company



