

NEW MEXICO OIL CONSERVATION COMMISSION **WELL DELIVERABILITY TEST REPORT FOR 1971**

Form C122-A
 Revised 1-1-68

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dk	COUNTY R.A.
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COMPANY El Paso Natural Gas Company		WELL NAME AND NUMBER San Juan 27-5 Unit No. 124	
UNIT LETTER H	SECTION 28	TOWNSHIP 27	RANGE 5
CASING I.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7660	TUBING I.D. - INCHES 1.900
GAS PAY ZONE FROM 7437 TO 7632		PURCHASING PIPELINE EPNG	
DATE OF FLOW TEST FROM 8-8-71 TO 8-16-71		GAS GRAVITY .652	
CASING XX		GRAVITY X LENGTH 4962	
DATE SHUT-IN PRESSURE MEASURED 4-19-71			

PRESSURE DATA - ALL PRESSURES IN PSIA

(c) Flowing Casing Pressure (DWt) -	(b) Flowing Tubing Pressure (DWt) -	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 476
(h) Corrected Meter Pressure (g+e) 476	(i) Avg. Wellhead Press. $P_f = (h + f)$ 476	(j) Shut-in Casing Pressure (DWt) 1457	(k) Shut-in Tubing Pressure (DWt) 1277	(l) $P_c =$ higher value of (j) or (k) 1457
		(m) Del. Pressure $P_d = \frac{50}{729} P_c$ 729		
(n) Separator or Dehydrator Pr. (DWt) for critical flow only				

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 820	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume 820 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$ 0.303	$(F_c Q_m)^2 (1000)$ 182174	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 55199	P_i^2 226576	$P_w^2 = P_i^2 + R^2$ 281775	$P_w = \sqrt{P_w^2}$ 531
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 820	$\left[\frac{1591408}{1841074} \right]^n =$ 0.8644	$=$ 0.8965	$=$ 735 MCF/D
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REMARKS: **New Well 1st del 7-20-71**

SUMMARY

Item h	476	Psia
P _c	1457	Psia
Q	820	MCF/D
P _w	531	Psia
P _d	729	Psia
D	735	MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By **J. E. M. Connelly**

Title

Witnessed By

Company

