

deliverable

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 71

Form CI22-A
Revised 1-1-68

POOL NAME <u>Blanco</u>	POOL SLOPE <u>n = .75</u>	FORMATION <u>MV</u>	COUNTY <u>RA</u>
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70-525

COMPANY <u>El Paso Natural Gas Company</u>			WELL NAME AND NUMBER <u>San Juan 30-6 Unit No. 88</u>		
UNIT LETTER <u>K</u>	SECTION <u>7</u>	TOWNSHIP <u>30</u>	RANGE <u>6</u>	PURCHASING PIPELINE <u>EPNG</u>	
CASING I.D. - INCHES <u>4.500</u>	CASING I.D. - INCHES <u>4.052</u>	SET AT DEPTH - FEET <u>5984</u>	TUBING I.D. - INCHES <u>2.375</u>	TUBING I.D. - INCHES <u>1.995</u>	TOP - TUBING PERF. - FEET <u>5870</u>
GAS PAY ZONE FROM <u>5234</u> TO <u>5888</u>		WELL PRODUCING THRU CASING _____ TUBING <u>XXX</u>		GAS GRAVITY <u>.627</u>	GRAVITY X LENGTH <u>3680</u>
DATE OF FLOW TEST FROM <u>8-19-71</u> TO <u>8-27-71</u>			DATE SHUT-IN PRESSURE MEASURED <u>7-9-71</u>		

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) <u>0</u>	(f) Friction Loss (a-c) or (b-c) <u>0</u>	(g) Average Meter Pressure (Integr.) <u>397</u>
(h) Corrected Meter Pressure (g+e) <u>397</u>	(i) Avg. Wellhead Press. $P_i = (h + f)$ <u>397</u>	(j) Shut-in Casing Pressure (DWt) <u>798</u>	(k) Shut-in Tubing Pressure (DWt) <u>796</u>	(l) P_c = higher value of (j) or (k) <u>798</u>	(m) Del. Pressure $P_d =$ <u>80</u> % P_c <u>638</u>	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D <u>214</u>	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ <u>1.0000</u>	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ <u>1.0000</u>	Corrected Volume $Q =$ <u>214</u> MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$ <u>.235</u>	$(F_c Q_m)^2 (1000)$ <u>4048</u>	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ <u>951</u>	P_i^2 <u>157609</u>	$P_w^2 = P_i^2 + R^2$ <u>158560</u>	$P_w = \sqrt{P_w^2}$ <u>398</u>
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ <u>214</u>	$\left[\frac{229760}{478244} \right]^n =$ <u>.4804</u>	$=$ <u>.5771</u>	$=$ <u>123</u> MCF/D
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REMARKS:

OWWO New well, 1st del., 7-23-71

SUMMARY

Item h	<u>397</u>	Psia
P_c	<u>798</u>	Psia
Q_c	<u>214</u>	MCF/D
P_w	<u>398</u>	Psia
P_d	<u>638</u>	Psia
D	<u>123</u>	MCF/D

Company EL PASO NATURAL GAS COMPANY
By A. E. McQuerry
Title _____
Witnessed By _____
Company _____

