

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION MV	COUNTY RA
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70-582

COMPANY El Paso Natural Gas Co.			WELL NAME AND NUMBER San Juan 29-7 Unit No. 87		
UNIT LETTER G	SECTION 19	TOWNSHIP 29	RANGE 7	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5818	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5751
GAS PAY ZONE FROM 5084 TO 5660		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .697	GRAVITY X LENGTH 4008
DATE OF FLOW TEST FROM 8-11-70 TO 8-19-70			DATE SHUT-IN PRESSURE MEASURED 6-29-70		

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.) 391
(h) Corrected Meter Pressure (g+e) 391	(i) Avg. Wellhead Press. $P_i = (h+f)$ 391	(j) Shut-in Casing Pressure (DWt) 864	(k) Shut-in Tubing Pressure (DWt) 872	(l) $P_c =$ higher value of (j) or (k) 872	(m) Del. Pressure $P_d = 80\% P_c$ 698	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1210	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 1210 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.253	$(F_c Q_m)^2 (1000)$ 129423	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 32744	P_i^2 152881	$P_w^2 = P_i^2 + R^2$ 185625	$P_w = \sqrt{P_w^2}$ 431
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1210	$\left(\frac{273180}{574759} \right)^n =$	$.4753^n =$	$.5724$	$= 693$ MCF/D
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REMARKS:

OWWO 1st del. ~~17-19-70~~ 7-21-70

SUMMARY

Item h 391 Psia
P_c 872 Psia
Q 1210 MCF/D
P_w 431 Psia
P_d 698 Psia
D 693 MCF/D

Company EL PASO NATURAL GAS COMPANY
By *RE Stanger*
Title
Witnessed By
Company

