

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 1970Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION MV	COUNTY RA
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86012

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 28-6 Unit No. 5		
UNIT LETTER A	SECTION 14	TOWNSHIP 28	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5773	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5671
GAS PAY ZONE FROM 5006 TO 5676		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .689	GRAVITY X LENGTH 3907 ✓
DATE OF FLOW TEST FROM 10-1-70 TO 10-9-70			DATE SHUT-IN PRESSURE MEASURED 5-25-70		

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.) 463
(h) Corrected Meter Pressure (g+e) 463 ✓	(i) Avg. Wellhead Press. $P_i = (h+f)$ 463 ✓	(j) Shut-in Casing Pressure (DWt) 703	(k) Shut-in Tubing Pressure (DWt) 559	(l) $P_c =$ higher value of (j) or (k) 703 ✓	(m) Del. Pressure $P_d = 80\%$ P_c 562 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 469	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 469 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.247 ✓	$(F_c Q_m)^2 (1000)$ 19444 ✓	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 4803 ✓	P_i^2 214369 ✓	$P_w^2 = P_i^2 + R^2$ 219172 ✓	$P_w = \sqrt{P_i^2}$ 468 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 469 ✓	$\left(\frac{178365}{265037} \right)^n = \left(\frac{6485}{.6729} \right)^n = \frac{7227}{.7429} = \frac{339}{348}$ MCF/D
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REMARKS:

OWWO, 1st del., Sept. 4, 1970.

SUMMARY

Item h 463 Psia
 P_c 703 Psia
 Q 469 MCF/D
 P_w 468 Psia
 P_d 562 Psia
 D 348 MCF/D

Company EL PASO NATURAL GAS COMPANY

By

Title

Witnessed By

Company



