

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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70-977

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 28-6 Unit No. 15		
UNIT LETTER M	SECTION 10	TOWNSHIP 28	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.950	SET AT DEPTH - FEET 5740	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5717
GAS PAY ZONE FROM 5366 TO 5886		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .689	GRAVITY X LENGTH 3939
DATE OF FLOW TEST FROM 9-13-70 TO 9-21-70			DATE SHUT-IN PRESSURE MEASURED 8-10-70		

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.) 470
(h) Corrected Meter Pressure (g+e) 470	(i) Avg. Wellhead Press. $P_i = (h+t)$ 470	(j) Shut-in Casing Pressure (DWt) 706	(k) Shut-in Tubing Pressure (DWt) 703	(l) P_c = higher value of (j) or (k) 706	(m) Del. Pressure $P_d = 80$ % P_c 565	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 511	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 511 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.249	$(F_c Q_m)^2 (1000)$ 23082	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 5748	P_i^2 220900	$P_w^2 = P_i^2 + R^2$ 226648	$P_w = \sqrt{P_w^2}$ 476
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	511	$\left(\frac{179211}{271788} \right)^n =$	$(.6593)^n =$	.7317	= 374 MCF/D
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REMARKS:

OWWO, 1st del. July 23, 1970.

SUMMARY

Item h	470	Psia
P_c	706	Psia
Q_c	511	MCF/D
P_w	476	Psia
P_d	565	Psia
D	374	MCF/D

Company

EL PASO NATURAL GAS COMPANY

By

Title

Witnessed By

Company