

deliverable

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
Revised 1-1-68

POOL NAME Blanco	POOL SLOPE n = 75	FORMATION MV	COUNTY RA
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70-506

COMPANY El Paso Natural Gas Company			WELL NAME AND NUMBER San Juan 30-6 Unit No. 90		
UNIT LETTER L	SECTION 36	TOWNSHIP 30	RANGE 6	PURCHASING PIPELINE EPNG	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 6137	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6005
GAS PAY ZONE FROM 5372 TO 6006		WELL PRODUCING THRU CASING TUBING XX		GAS GRAVITY .644	GRAVITY X LENGTH 3867
DATE OF FLOW TEST FROM 10-26-70 TO 11-3-70			DATE SHUT-IN PRESSURE MEASURED 9-14-70		

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) 852	(k) Shut-in Tubing Pressure (DWt) 707	(l) P_c = higher value of (j) or (k) 852	(m) Del. Pressure $P_d = \frac{80}{\%P_c}$ 682	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1523	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 1523 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.245	$(F_c Q_m)^2 (1000)$ 205041	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 50235	P_i^2 214369	$P_w^2 = P_i^2 + R^2$ 264604	$P_w = \sqrt{P_w^2}$ 514
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1523	$\left[\frac{260780}{461300} \right]^n =$	.5653	$=$	.6519	$=$	993 MCF/D
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REMARKS:

OWWO 1st del. Sept. 23, 1970

SUMMARY

Item h **463** Psia
 P_c **852** Psia
 Q **1523** MCF/D
 P_w **514** Psia
 P_d **682** Psia
 D **993** MCF/D

Company **EL PASO NATURAL GAS COMPANY**

By **H. E. M. S. Analyst**

Title

Witnessed By

Company

