

Initial Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 68

Form CI 22-A
Revised 1-1-68

POOL NAME BLANCO	POOL SLOPE $n = .75$	FORMATION NV	COUNTY RA
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88-057

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER SJ 29-6 UNIT #25		
UNIT LETTER B	SECTION 32	TOWNSHIP 29	RANGE 6	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.950	SET AT DEPTH - FEET 5460	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5475
GAS PAY ZONE FROM 5004 TO 5587		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.668	GRAVITY X LENGTH 3767
DATE OF FLOW TEST FROM 08/22/68 TO 08/30/68			DATE SHUT-IN PRESSURE MEASURED 04/23/68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 0	(b) Flowing Tubing Pressure (DWt) 0	(c) Flowing Meter Pressure (DWt) 0	(d) Flow Chart Static Reading 0	(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. $P_t = (h+f)$ 470	(j) Shut-in Casing Pressure (DWt) 693	(k) Shut-in Tubing Pressure (DWt) 669	(l) $P_m =$ higher value of (j) or (k) 693	(m) Del. Pressure $P_d = 80\% P_c$ 554	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 776	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 776 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$.240	$(F_c Q_m)^2 (1000)$ 53,232	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 12776	P_t^2 220900	$P_w^2 = P_t^2 + R^2$ 233676	$P_w = \sqrt{P_w^2}$ 483
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	776	$\left[\frac{173333}{246573} \right]^n =$	$(0.7029)^n =$	0.7677	$=$	596 MCF/D
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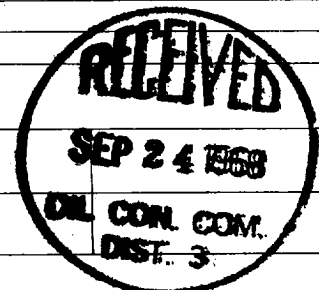
REMARKS:

Installed Intermittent - Turned back on production 7-29-68

SUMMARY

Item h	470	Psia
P_c	693	Psia
Q	776	MCF/D
P_w	483	Psia
P_d	554	Psia
D	596	MCF/D

Company **EL PASO NATURAL GAS CO**
By *[Signature]*
Title _____
Witnessed By _____
Company _____



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