

Initial
Deliverability Test

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME BLANCO	POOL SLOPE n = .85	FORMATION PC	COUNTY SJ
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87-057

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER FEUILLE #2		
UNIT LETTER A	SECTION 13	TOWNSHIP 29	RANGE 9	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3092	TUBING O.D. - INCHES 0.000	TUBING I.D. - INCHES 0.000	TOP - TUBING PERF. - FEET 0
GAS PAY ZONE FROM 3034 TO 3050		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY 0.848	GRAVITY X LENGTH 1966
DATE OF FLOW TEST FROM 10/01/69 TO 10/09/69			DATE SHUT-IN PRESSURE MEASURED 08/06/69		

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.) 252
(h) Corrected Meter Pressure (g+e) 252	(i) Avg. Wellhead Press. $P_t = (h+f)$ 252	(j) Shut-in Casing Pressure (DWt) 843	(k) Shut-in Tubing Pressure (DWt) 0	(l) P_c = higher value of (j) or (k) 843	(m) Del. Pressure $P_d = \frac{00}{074} \% P_c$ 074	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 738	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 738 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$.133	$(F_c Q_m)^2 (1000)$ 18,785	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 2232	P_t^2 6350+	$P_w^2 = P_t^2 + R^2$ 65736	$P_w = \sqrt{P_w^2}$ 256
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 738	$\left[\frac{256173}{644913} \right]^n =$ 0.3975	$\left[\frac{0.3975}{0.4565} \right]^n =$ 0.4565	$=$ 337 MCF/D
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REMARKS:

New Well 1st Delivery Sept. 3, 1969.

SUMMARY

Item h **252** Psia
 P_c **843** Psia
 Q **738** MCF/D
 P_w **256** Psia
 P_d **674** Psia
 D **337** MCF/D

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

RECEIVED

					NOV 10 1969
					CON. COM. DIST. 3

Y

New Mex. 1st Delivery Rept. 3, 1969.

ENCL.

