

NEW MEXICO OIL CONSERVATION COMMISSION

WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
Revised 1-1-68

POOL NAME BLANCO	POOL SLOPE n = .75	FORMATION MV	COUNTY SJ
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70-072

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER DAY #2		
UNIT LETTER M	SECTION 9	TOWNSHIP 29	RANGE 8	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5473	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5260
GAS PAY ZONE FROM 4730 TO 5420		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.670	GRAVITY X LENGTH 3524
DATE OF FLOW TEST FROM 07/03/68 TO 07/11/68			DATE SHUT-IN PRESSURE MEASURED 05/15/68		

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.) 456
(h) Corrected Meter Pressure (g+e) 456	(i) Avg. Wellhead Press. $P_i = (h+f)$ 456	(j) Shut-in Casing Pressure (DWt) 839	(k) Shut-in Tubing Pressure (DWt) 843	(l) P_{se} higher value of (j) or (k) 843	(m) Del. Pressure $P_d = 80\% P_c$ 674	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1283	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q = 1283$ MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.226	$(F_c Q_m)^2 (1000)$ 145,516	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 32887	P_t^2 207936	$P_w^2 = P_t^2 + R^2$ 240823	$P_w = \sqrt{P_w^2}$ 491
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1283	$\left[\frac{256373}{469826} \right]^n =$	0.5456	$=$	0.6348	$=$	814 MCF/D
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REMARKS: First Delivered after OWWO 6-6-68

SUMMARY

Item h **456** Psia
 P_c **843** Psia
 Q **1283** MCF/D
 P_w **491** Psia
 P_d **674** Psia
 D **814** MCF/D

Company **EL PASO NATURAL GAS CO**

By _____

Title _____

Witnessed By _____

Company _____


