

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 RA
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71-366

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER SJ 28-6 UNIT #11		
UNIT LETTER A	SECTION 8	TOWNSHIP 27	RANGE 6	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 7.000	CASING I.D. - INCHES 6.455	SET AT DEPTH - FEET 4630	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5292
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY 0.698	GRAVITY X LENGTH 3694
FROM 4570	TO 5293	CASING	TUBING X		
DATE OF FLOW TEST FROM 10/03/68 TO 10/11/68			DATE SHUT-IN PRESSURE MEASURED 05/27/68		

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) 798	(k) Shut-in Tubing Pressure (DWt) 716	(l) $P =$ higher value of (j) or (k) 798	(m) Del. Pressure $P_d = 80\% P_c$ 638	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 30	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 86 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.236	$(F_c Q_m)^2 (1000)$ 654	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 154	P_t^2 207936	$P_w^2 = P_t^2 + R^2$ USE PT2	$P_w = \sqrt{P_w^2}$ 456
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 86	$\left[\frac{229760}{428868} \right]^n =$ 0.5357	$\left[\frac{229760}{428868} \right]^n =$ 0.6262	$=$ 54 MCF/D
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REMARKS: Perforated tubing 9-9-68. Turned back on production 9-16-68.

SUMMARY

Item h **456** Psia
 P_c **798** Psia
 Q **86** MCF/D
 P_w **456** Psia
 P_d **638** Psia
 D **54** MCF/D

Company **EL PASO NATURAL GAS CO**By **[Signature]**

Title

Witnessed By

Company

