

Deliverability

NEW MEXICO OIL CONSERVATION COMMISSION WELL DELIVERABILITY TEST REPORT FOR 19 71

Form C122-A
Revised 1-1-68

POOL NAME Blanco	WELL SLOPE 11 .85	FORMATION PC	COUNTY SJ
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COMPANY El Paso Natural Gas Company		WELL NAME AND NUMBER Sunray "E" No. 3	
UNIT LETTER 8 I	SIZE IN 9	TO WELDER 30	RANGE 10
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3249	FINISH I.D. - INCHES no tubing
GAS RATE (SCF/D) 3108		WELL PRODUCTION TIME XXX	
DATE OF FIELD TEST 8-8-71		DATE SHUT-IN PRESSURE MEASURED 8-16-71	
FROM 8-8-71		TO 6-28-71	

87-264

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) ---	(b) Flowing Tubing Pressure (DWt) ---	(c) Flowing Meter Pressure (DWt) ---	(d) Flow Casing Static Reading ---	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a-c) or (b-c) 0	(g) Average Meter Pressure (Integr.) 147
(h) Corrected Meter Pressure (g+e) 147	(i) Avg. Wellhead Press. P _{wh} (b-f) 147	(j) Shut-in Casing Pressure (DWt) 873	(k) Shut-in Tubing Pressure (DWt) ---	(l) P _{sc} = higher value of (j) or (k) 873	(m) Del. Pressure P _d = 80 scf 698	(n) Separation or Dehydrator P _d (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1014	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 1014 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.135	$F_c Q_m^2 (1000)$ 31682	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 4277	P_i^2 21609	$P_w^2 = P_i^2 + R^2$ 25886	$P_w = \sqrt{P_i^2 + R^2}$ 161
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n$	1014	$\left(\frac{274925}{736243} \right)^n$	$\left(.3734 \right)^n$	.4329	439 MCF/D
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REMARKS:

New well, 1st del., 7-21-71

SUMMARY

Item h **147** Psia
P_c **873** Psia
Q **1014** MCF/D
P_w **161** Psia
P_d **698** Psia
D **439** MCF/D

Company **EL PASO NATURAL GAS COMPANY**
By **H. E. McIntosh**
Title
Witnessed By
Company