

Initial
Deliverability

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

Form C122-A
Revised 1-1-68

POOL NAME SO BLANCO	POOL SLOPE n = .85	FORMATION PC	COUNTY RA
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72-291

COMPANY EL PASO NATURAL GAS CO.			WELL NAME AND NUMBER SOUTHERN PETROLEUM ST #3		
UNIT LETTER C	SECTION 32	TOWNSHIP 26	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 2419	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 2358
GAS PAY ZONE FROM 2340 TO 2384		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.660	GRAVITY X LENGTH 1556
DATE OF FLOW TEST FROM 10/02/68 TO 10/10/68			DATE SHUT-IN PRESSURE MEASURED 05/14/68		

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.) 196
(h) Corrected Meter Pressure (g+e) 196	(i) Avg. Wellhead Press. $P_i = (h+f)$ 196	(j) Shut-in Casing Pressure (DWt) 408	(k) Shut-in Tubing Pressure (DWt) 408	(l) $P_c =$ higher value of (j) or (k) 408	(m) Del. Pressure $P_d = 80\% P_c$ 326	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 190	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 190 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.107	$(F_c Q_m)^2 (1000)$ 21.884	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 2342	P_t^2 38416	$P_w^2 = P_t^2 + R^2$ 40758	$P_w = \sqrt{P_w^2}$ 202
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DELIVERABILITY CALCULATION

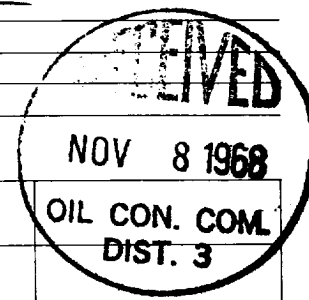
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	190	$\left[\frac{60188}{125706} \right]^n =$	0.4787	$=$	0.5346	$=$	102 MCF/D
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REMARKS: First Delivered after Packer Workover 9-4-68

SUMMARY

Item h **196** Psia
P_c **408** Psia
Q **190** MCF/D
P_w **202** Psia
P_d **326** Psia
D **102** MCF/D

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



2025 RELEASE UNDER E.O. 14176

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Pressure GWT	Flowing GWT	Flowing Tubing	(c) Flowing Water	Flowing	Flowing
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1) Avg. Water Temp. 10.5°C
2) Avg. Wind Speed 1.5 m/s

FROM DATE 11/11/67 TO 11/11/67

to the fact that the Ca^{2+} concentration in the Ca^{2+} solution is 100 times higher than that in the Ca^{2+} solution.

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$$S_{\text{eff}} = \frac{1}{2} \int d^4x \left[\frac{1}{2} (\partial_\mu \phi)^2 - \frac{1}{2} m^2 \phi^2 - \frac{1}{4} F_{\mu\nu}^2 - \frac{1}{2} \bar{\psi} \not{\partial} \psi - \frac{1}{2} \bar{\psi} \not{A} \psi \right] \quad (2.1)$$

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

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80-4-9 received from biological research department, JAMES

GRAMMAR

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