

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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75-840

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER LINDRITH UNIT #70		
UNIT LETTER G	SECTION 23	TOWNSHIP 24	RANGE 3	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 3295	TUBING O.D. - INCHES 0.000	TUBING I.D. - INCHES 0.000	TOP - TUBING PERF. - FEET 0
GAS PAY ZONE FROM 3218 TO 3256			WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY 0.658
DATE OF FLOW TEST FROM 09/17/68 TO 09/25/68			DATE SHUT-IN PRESSURE MEASURED 06/12/68		

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.) 209
(h) Corrected Meter Pressure (g+e) 209	(i) Avg. Wellhead Press. $P_i = (h+f)$ 209	(j) Shut-in Casing Pressure (DWt) 973	(k) Shut-in Tubing Pressure (DWt) 0	(l) P_c = higher value of (i) or (k) 973	(m) Del. Pressure $P_d = 80\% P_c$ 778	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 276	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 276 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$.143	$(F_c Q_m)^2 (1000)$ 2.347	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 336	P_t^2 43681	$P_w^2 = P_t^2 + R^2$ 44017	$P_w = \sqrt{P_w^2}$ 210
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DELIVERABILITY CALCULATION

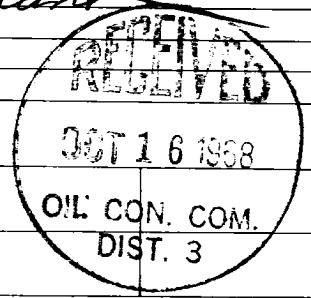
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 276	$\left[\frac{341445}{902712} \right]^n =$ 0.3782	$\frac{0.4376}{0.3782} =$ 1.157	121 MCF/D
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REMARKS: **New Well First Delivered 8-22-68.**

SUMMARY

Item h **209** Psia
 P_c **973** Psia
 Q **276** MCF/D
 P_w **210** Psia
 P_d **778** Psia
 D **121** MCF/D

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



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24

25

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148-24

27

148-24

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39

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41

42

43

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