

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 SJ
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75-714

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER STOREY #5		
UNIT LETTER P	SECTION 26	TOWNSHIP 28	RANGE 8	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 2.875	CASING I.D. - INCHES 2.441	SET AT DEPTH - FEET 2530	TUBING O.D. - INCHES 0.000	TUBING I.D. - INCHES 0.000	TOP - TUBING PERF. - FEET 0
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 2364	TO 2354	CASING X	TUBING	0.658	1556 ✓
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 01/06/68	TO 01/14/68	09/27/67			

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.) 483
(h) Corrected Meter Pressure (g+e) 483 ✓	(i) Avg. Wellhead Press. $P_i = (h+f)$ 483	(j) Shut-in Casing Pressure (DWt) 1047	(k) Shut-in Tubing Pressure (DWt) 0	(l) P_e = higher value of (j) or (k) 1047 ✓	(m) Del. Pressure $P_d =$ 80 % P_e 838 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 557	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 557 ✓ MCF/D
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5.551

WORKING PRESSURE CALCULATION

$(1-e^{-s})$.107 ✓	$(F_c Q_m)^2 (1000)$ 5,560 ✓	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 1023 ✓	P_i^2 233289 ✓	$P_w^2 = P_i^2 + R^2$ 234312 ✓	$P_w = \sqrt{P_w^2}$ 484 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	557 ✓	$\left[\frac{393965}{861897} \right]^n =$	0.4570 ✓	$= \frac{0.5140}{1} =$	286 ✓ MCF/D
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REMARKS:

New Well First Delivered 12-22-67.

SUMMARY

Item h **483** ✓ Psia
 P_c **1047** ✓ Psia
 Q **557** ✓ MCF/D
 P_w **484** ✓ Psia
 P_d **838** ✓ Psia
 D **286** ✓ MCF/D

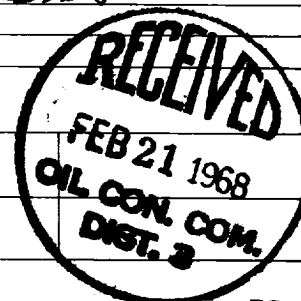
Company **EL PASO NATURAL GAS CO**

By

Title

Witnessed By

Company



NEW MEXICO OIL CONSERVATION COMMISSION

REPORT OF THE COMMISSION FOR THE YEAR 1933

RECEIVED
FEB 21 1934

New York Times, February 19, 1934.

