

Initial
Deliverability

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 SJ
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70-229

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER DAY #3		
UNIT LETTER M	SECTION 18	TOWNSHIP 29	RANGE 8	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5517	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5316
GAS PAY ZONE FROM 4691 TO 5478		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.701	GRAVITY X LENGTH 3727
DATE OF FLOW TEST FROM 07/18/68 TO 07/26/68			DATE SHUT-IN PRESSURE MEASURED 05/02/68		

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.) 463
(h) Corrected Meter Pressure (g+e) 463	(i) Avg. Wellhead Press. $P_t = (h+f)$ 463	(j) Shut-in Casing Pressure (DWt) 798	(k) Shut-in Tubing Pressure (DWt) 798	(l) $P_w =$ 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 1386	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 1386 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.237	$(F_c Q_m)^2 (1000)$ 169,807	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 40244	P_t^2 214369	$P_w^2 = P_t^2 + R^2$ 254613	$P_w = \sqrt{P_w^2}$ 505
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1386	$\left[\frac{229760}{382191} \right]^n =$ 0.6011	$= \frac{0.6827}{0.6827} =$ 946 MCF/D
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REMARKS: First Delivered after OWWO 6-14-68.

SUMMARY

Item h **463** Psia
 P_c **798** Psia
 Q **1386** MCF/D
 P_w **505** Psia
 P_d **638** Psia
 D **946** MCF/D

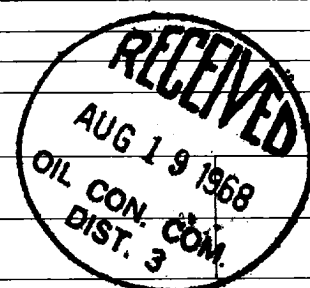
Company **EL PASO NATURAL GAS CO**

By

Title

Witnessed By

Company



BRANCH	U.S. AIR FORCE	VN	12
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12-11-1

[illegible]

PRESSURE DATA - ALL PRESSURES IN PSI

[illegible]

FLOW RATE CORRECTION (METER ERROR)

WORKING PRESSURE CALCULATION

1581	1582	1583	1584	1585
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UNCLASSIFIED//FOR OFFICIAL USE ONLY

$$= \left[\frac{10000}{10000} \right] = 1$$

First Delivered after 0140 8-11-68.

RECEIVED
OIL CO. CON. COM.
DIST. 3
AUG 1 9 1968

Allocation

