

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 69

Form C122-A
Revised 1-1-68

POOL NAME BLANCO	POOL SLOPE n = .75	FORMATION MV	COUNTY RA
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72-384

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER SJ 28-5 UNIT #32		
UNIT LETTER G	SECTION 30	TOWNSHIP 28	RANGE 5	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.950	SET AT DEPTH - FEET 5807	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5714
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 5546 TO 5718		CASING		TUBING X	0.710 4057
DATE OF FLOW TEST FROM 05/07/69 TO 05/15/69			DATE SHUT-IN PRESSURE MEASURED 05/27/68		

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.) 423
(h) Corrected Meter Pressure (g+e) 423	(i) Avg. Wellhead Press. $P_i = (h+f)$ 423	(j) Shut-in Casing Pressure (DWt) 670	(k) Shut-in Tubing Pressure (DWt) 638	(l) $P =$ higher value of (j) or (k) 670	(m) Del. Pressure $P_d =$ 80 % P_c 536	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 343	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 343 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-s})$.255	$(F_c Q_m)^2 (1000)$ 10,401	$R^2 = (1-e^{-s}) (F_c Q_m)^2 (1000)$ 2652	P_t^2 178929	$P_w^2 = P_t^2 + R^2$ 181581	$P_w = \sqrt{P_w^2}$ 426
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DELIVERABILITY CALCULATION

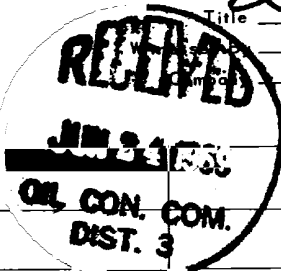
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 343	$\left[\frac{161604}{267319} \right]^n =$ 0.6045	$=$ 0.6856	$=$ 235 MCF/D
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REMARKS:

SUMMARY

Item h **423** Psia
P_c **670** Psia
Q **343** MCF/D
P_w **426** Psia
P_d **536** Psia
D **235** MCF/D

Company **EL PASO NATURAL GAS CO**
B **S. H. Feederich**
Title



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