

Initial
Deliverability Test

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 RA
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71-079

COMPANY EL PASO NATURAL GAS CO			WELL NAME AND NUMBER RINCON UNIT #32		
UNIT LETTER H	SECTION 14	TOWNSHIP 27	RANGE 6	PURCHASING PIPELINE EL PASO NATURAL GAS CO.	
CASING O.D. - INCHES 7.000	CASING I.D. - INCHES 6.450	SET AT DEPTH - FEET 4794	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5511
GAS PAY ZONE FROM 4835 TO 5545		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY 1.871	GRAVITY X LENGTH 3217
DATE OF FLOW TEST FROM 09/25/68 TO 10/03/68			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.) 490
(h) Corrected Meter Pressure (g+e) 490	(i) Avg. Wellhead Press. $P_t = (h+f)$ 490	(j) Shut-in Casing Pressure (DWt) 739	(k) Shut-in Tubing Pressure (DWt) 542	(l) P_c = higher value of (j) or (k) 739	(m) Del. Pressure $P_d =$ 80 % P_c 591	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 172	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume Q = 172 MCF/D
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WORKING PRESSURE CALCULATION

$(1-e^{-5})$.209	$(F_c Q_m)^2 (1000)$ 18	$R^2 = (1-e^{-5}) (F_c Q_m)^2 (1000)$ 8	P_t^2 240100	$P_w^2 = P_t^2 + R^2$ USE P_t	$P_w = \sqrt{P_w^2}$ 490
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DELIVERABILITY CALCULATION

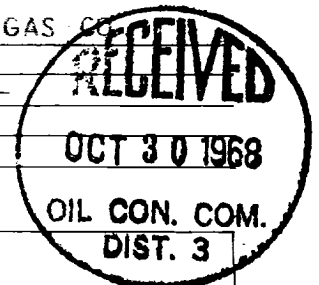
$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	172	$\left[\frac{196840}{306021} \right]^n =$	0.6432	$=$	0.7182	$=$	124 MCF/D
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REMARKS: **Perforated tubing turned back on Production 9-9-68.**

SUMMARY

Item h 490 Psia
 P_c 739 Psia
 Q 172 MCF/D
 P_w 490 Psia
 P_d 591 Psia
 D 124 MCF/D

Company EL PASO NATURAL GAS CO.
 By J. B. Grant
 Title _____
 Witnessed By _____
 Company _____



68/10/24

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