

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1966

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n = 75	FORMATION Mesa Verde	COUNTY San Juan
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70087

COMPANY EL PASO NATURAL GAS COMPANY			WELL NAME AND NUMBER Day A No. 1		
UNIT LETTER A	SECTION 17	TOWNSHIP 29	RANGE 8	PURCHASING PIPELINE EL PASO NATURAL GAS COMPANY	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 5590	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5517
GAS PAY ZONE FROM 4730 TO 5544		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .692	GRAVITY X LENGTH 3818
DATE OF FLOW TEST FROM 10-09-66 TO 10-17-66			DATE SHUT-IN PRESSURE MEASURED 8-15-66		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 488	(b) Flowing Tubing Pressure (DWt) 488	(c) Flowing Meter Pressure (DWt) 839	(d) Flow Chart Static Reading 415	(e) Meter Error (Item c - Item d) 839	(f) Friction Loss (a - c) or (b - c) 671	(g) Average Meter Pressure (Integr.) 488
(h) Corrected Meter Pressure (g + e) 488	(i) Avg. Wellhead Press. $P_t = (h + f)$ 488	(j) Shut-in Casing Pressure (DWt) 839	(k) Shut-in Tubing Pressure (DWt) 415	(l) P_c = higher value of (j) or (k) 839	(m) Del. Pressure $P_d = \frac{80}{671} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1328	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.0000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.0000	Corrected Volume $Q =$ 1328 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.242	$(F_c Q_m)^2 (1000)$ 155900	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 37728	P_t^2 238144	$P_w^2 = P_t^2 + R^2$ 275852	$P_w = \sqrt{P_w^2}$ 525
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1328	$\left[\frac{253680}{428049} \right]^n =$.5926	$=$.6755	$=$ 897 MCF/D
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REMARKS:

First Delivery after OWWO 9-22-66

SUMMARY

Item h **488** Psia
 P_c **839** Psia
 Q **1328** MCF/D
 P_w **525** Psia
 P_d **671** Psia
 D **897** MCF/D

Company **EL PASO NATURAL GAS COMPANY**
 By **H. L. Kendrick**
 Title **Regional Well Test Engineer**
 Witnessed By _____
 Company _____



