

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 70

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n=.75	FORMATION Mesaverde	COUNTY San Juan
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COMPANY Aztec Oil & Gas Company			WELL NAME AND NUMBER Reese Mesa #1		
UNIT LETTER A	SECTION 12	TOWNSHIP 32 North	RANGE 8 West	PURCHASING PIPELINE El Paso Natural Gas Company	
CASING O.D. - INCHES 7.625 4.500	CASING I.D. - INCHES 6.969 4.090	SET AT DEPTH - FEET 4159 4063-8714	TUBING O.D. - INCHES 1.990	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 6061
GAS PAY ZONE FROM 6050 TO 6312		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .675	GRAVITY X LENGTH 4091 ✓
DATE OF FLOW TEST FROM 4-20-70 TO 4-27-70			DATE SHUT-IN PRESSURE MEASURED 9-13-69		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) -----	(b) Flowing Tubing Pressure (DWt) -----	(c) Flowing Meter Pressure (DWt) -----	(d) Flow Chart Static Reading -----	(e) Meter Error (Item c - Item d) -----	(f) Friction Loss (a - c) or (b - c) -----	(g) Average Meter Pressure (Integr.) 481
(h) Corrected Meter Pressure (g + e) -----	(i) Avg. Wellhead Press. $P_t = (h + f)$ 481 ✓	(j) Shut-in Casing Pressure (DWt) 1032	(k) Shut-in Tubing Pressure (DWt) 1032	(l) P_c = higher value of (j) or (k) 1032 ✓	(m) Del. Pressure $P_d =$.80 % P_c 826 ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1163	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ -----	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ -----	Corrected Volume Q = 1163 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.257 ✓	$(F_c Q_m)^2 (1000)$ 366,454 ✓	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 94,179 ✓	P_t^2 231,361 ✓	$P_w^2 = P_t^2 + R^2$ 325,540 ✓	$P_w = \sqrt{P_w^2}$ 571 ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 1163 ✓	$\left[\frac{382,748}{739,484} \right]^n =$.5175 ✓	$=$.6102 ✓	$=$ 710 MCF/D ✓
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REMARKS:

SUMMARY

Item h ----- Psia
 P_c **1032** ✓ Psia
 Q **1163** ✓ MCF/D
 P_w **571** ✓ Psia
 P_d **826** ✓ Psia
 D **710** ✓ MCF/D

Company **Aztec Oil & Gas Company**
 By *[Signature]*
 Title **Office Manager**
 Witnessed By _____
 Company _____
May 22, 1970

