

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 75

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesaverde	COUNTY Rio Arriba
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COMPANY Aztec Oil & Gas Company			WELL NAME AND NUMBER Tapacitos #1		
UNIT LETTER A	SECTION 16	TOWNSHIP 26 North	RANGE 2 West	PURCHASING PIPELINE Northwest Pipeline Corp.	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 8251	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 5876
GAS PAY ZONE FROM 5956 TO 5966		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .724	GRAVITY X LENGTH
DATE OF FLOW TEST FROM 8-14-75 TO 8-21-75			DATE SHUT-IN PRESSURE MEASURED 11-11-75		

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.) 216
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$ 216	(j) Shut-in Casing Pressure (DWt)	(k) Shut-in Tubing Pressure (DWt)	(l) $P_c =$ higher value of (j) or (k) 750	(m) Del. Pressure $P_d =$ 50 % P_c 375	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 153	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 153 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ FLN	$(F_c Q_m)^2 (1000)$	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$ 216
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 153	$\left[\frac{421,875}{515,844} \right]^n =$.8178	$=$.8599	$=$ 132 MCF/D
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REMARKS:

SUMMARY

Item h **750** ✓ Psia
 P_c **153** ✓ MCF/D
 Q **216** ✓ Psia
 P_w **375** ✓ Psia
 P_d **132** ✓ MCF/D
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Company **Aztec Oil & Gas Company**
 By *[Signature]*
 Title **District Superintendent**
 Witnessed By _____
 Company _____
October 15, 1975