

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 76

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 La Baca #1		
UNIT LETTER B	SECTION 1	TOWNSHIP 29 North	RANGE 5 West	PURCHASING PIPELINE Northwest Pipeline	
CASING O.D. - INCHES 5.500	CASING I.D. - INCHES 4.950	SET AT DEPTH - FEET 6903	TUBING O.D. - INCHES 1.990	TUBING I.D. - INCHES 1.610	TOP - TUBING PERF. - FEET 6699
GAS PAY ZONE FROM 6706 TO 6736		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .595	GRAVITY X LENGTH
DATE OF FLOW TEST FROM 2-1-76 TO 2-9-76			DATE SHUT-IN PRESSURE MEASURED 8-30-72		

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.) 214
(h) Corrected Meter Pressure (g + e) 214	(i) Avg. Wellhead Press. $P_t = (h + f)$ 214	(j) Shut-in Casing Pressure (DWt) 575	(k) Shut-in Tubing Pressure (DWt) 575	(l) P_c = higher value of (j) or (k) 575	(m) Del. Pressure $P_d =$ 80 % P_c 460	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 275	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ ---	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ ---	Corrected Volume Q = 275 MCF/D
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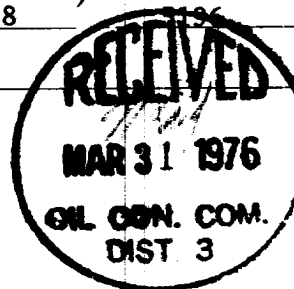
WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ FLN	$(F_c Q_m)^2 (1000)$	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$ 214
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 275	$\left[\frac{119,025}{284,829} \right]^n =$.4178	$\left[\frac{119,025}{284,829} \right]^n =$ 143 MCF/D
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REMARKS: **Initial Test**
First Delivered January 20, 1976



SUMMARY

Item h	_____	Psia
P_c	575	Psia
Q	275	MCF/D
P_w	214	Psia
P_d	460	Psia
D	143	MCF/D

Company **Aztec Oil & Gas Company**
 By *[Signature]*
 Title **District Superintendent**

Witnessed By _____

Company _____

March 30, 1976

OK

