

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 74

Form C122-A
Revised 1-1-66

POOL NAME South Blanco	POOL SLOPE n= .85	FORMATION Pictured Cliffs	COUNTY Rio Arriba
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COMPANY Continental Oil Company			WELL NAME AND NUMBER AXI Apache N No. 9		
UNIT LETTER K	SECTION 11	TOWNSHIP 25N	RANGE 4W	PURCHASING PIPELINE So. Union Gas Company	
CASING O.D. - INCHES 4.5	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 3580	TUBING O.D. - INCHES 1.66	TUBING I.D. - INCHES 1.38	TOP - TUBING PERF. - FEET 3791
GAS PAY ZONE FROM 3732' TO 3738'		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .670	GRAVITY X LENGTH 2540
DATE OF FLOW TEST FROM 3-17-74 TO 4-1-74			DATE SHUT-IN PRESSURE MEASURED 4-17-74		

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.) 205
(h) Corrected Meter Pressure (g + e) 205	(i) Avg. Wellhead Press. $P_t = (h + f)$ 205	(j) Shut-in Casing Pressure (DWt) $P_c = 954$	(k) Shut-in Tubing Pressure (DWt) 954	(l) P_c = higher value of (j) or (k) 954	(m) Del. Pressure $P_d = \frac{80}{763} P_c$ 80	(n) Separator or Dehydrator Pr. (DWt) for critical flow only --

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 369	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ --	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ --	Corrected Volume Q = 369 MCF/D
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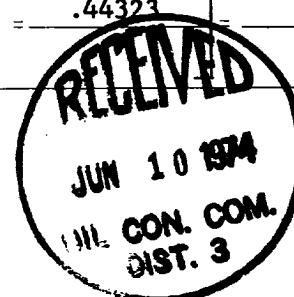
WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ 0.169	$(F_c Q_m)^2 (1000)$ 82.537	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 13949	P_t^2 42025	$P_w^2 = P_t^2 + R^2$ 55974	$P_w = \sqrt{P_w^2}$ 236.59 237
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = 369$	$\left(\frac{327947}{854142} \right)^n = .38395$	$.44323$	164 MCF/D
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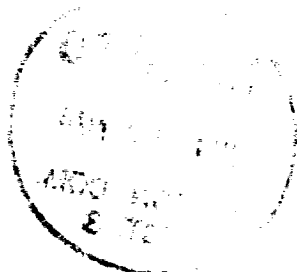
REMARKS: $F_c = 24.62$



SUMMARY

Item h 205 Psia
 P_c 954 Psia
 Q 369 MCF/D
 P_w 237 Psia
 P_d 763 Psia
 D 164 MCF/D

Company Continental Oil Company
 By Wm. G. Hendrickson
 Title Staff Assistant
 Witnessed By _____
 Company _____



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