

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 78

Form C122-A
 Revised 1-1-66

POOL NAME <u>Blanco</u>	POOL SLOPE n = <u>.75</u>	FORMATION <u>Mesa Verde</u>	COUNTY <u>Rio Arriba</u>
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COMPANY <u>Continental Oil Company</u>			WELL NAME AND NUMBER <u>AXI APACHE N 14</u>		
UNIT LETTER <u>C</u>	SECTION <u>1</u>	TOWNSHIP <u>25-N</u>	RANGE <u>4-W</u>	PURCHASING PIPELINE <u>Gas Comp. of N. Mex.</u>	
CASING O.D. - INCHES <u>5.500</u>	CASING I.D. - INCHES <u>4.950</u>	SET AT DEPTH - FEET <u>6053</u>	TUBING O.D. - INCHES <u>2.375</u>	TUBING I.D. - INCHES <u>1.995</u>	TOP - TUBING PERF. - FEET <u>5757</u>
GAS PAY ZONE FROM <u>5778</u> TO <u>5998</u>		WELL PRODUCING THRU CASING _____ TUBING <u>X</u>		GAS GRAVITY <u>.690</u>	GRAVITY X LENGTH <u>3972</u> ✓
DATE OF FLOW TEST FROM <u>1-9-78</u> TO <u>1-17-78</u>			DATE SHUT-IN PRESSURE MEASURED <u>1-25-78</u>		

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.)
<u>0</u>	<u>292</u>	<u>292</u>	<u>281</u>	<u>11</u> ✓	<u>0</u> ✓	<u>281</u>
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$	(j) Shut-in Casing Pressure (DWT)	(k) Shut-in Tubing Pressure (DWT)	(l) P_c = higher value of (j) or (k)	(m) Del. Pressure $P_d = \frac{80}{\%P_c}$	(n) Separator or Dehydrator Pr. (DWT) for critical flow only
<u>292</u> ✓	<u>292</u> ✓	<u>0</u>	<u>974</u>	<u>974</u> ✓	<u>779</u> ✓	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D <u>568</u>	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ <u>1.0391</u> ✓	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ <u>1.0194</u>	Corrected Volume Q = <u>579</u> ✓ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-R^2})$ <u>.251</u>	$(F_c Q_m)^2 (1000)$ <u>29,6345</u> ✓	$R^2 = (1 - e^{-R^2}) (F_c Q_m)^2 (1000)$ <u>7438</u> ✓	P_t^2 <u>85264</u> ✓	$P_w^2 = P_t^2 + R^2$ <u>92702</u> ✓	$P_w = \sqrt{P_w^2}$ <u>304</u> ✓
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ <u>579</u>	$\left[\frac{341835}{8559741} \right]^n =$ <u>.39935</u> ✓	$\left[\frac{341835}{8559741} \right]^n =$ <u>.5024</u> ✓	$=$ <u>291</u> ✓ MCF/D
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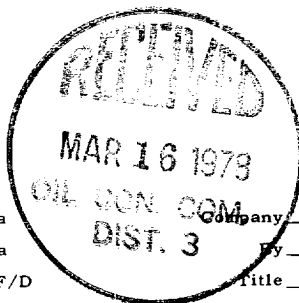
REMARKS:

$F_c = 9.402$

OK

SUMMARY

Item h 292 ✓ Psia
 P_c 974 ✓ Psia
 Q 579 ✓ MCF/D
 P_w 304 ✓ Psia
 P_d 779 ✓ Psia
 D 291 ✓ MCF/D



Continental Oil Company
 Dennis L. Moore
 Production Tech

Witnessed By _____

Company _____

