

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

Form C122-A
 Revised 1-1-66

POOL NAME <u>5. Blanco</u>	POOL SLOPE n= <u>.85</u>	FORMATION <u>Pictured cliff</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>1.25</u>	TUBING I.D. - INCHES <u>1.380</u>	TOP - TUBING PERF. - FEET <u>3732</u>
GAS PAY ZONE FROM <u>3714</u> TO <u>3760</u>		WELL PRODUCING THRU CASING TUBING <u>X</u>		GAS GRAVITY <u>.690</u>	GRAVITY X LENGTH <u>2575</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>303</u>	<u>290</u>	<u>292</u>	<u>281</u>	<u>11</u>	<u>-2</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 $P_d = \frac{80}{100} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
<u>292</u>	<u>290</u>	<u>609</u>	<u>621</u>	<u>621</u>	<u>496</u>	

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume
<u>0</u>			Q = <u>0</u> MCF/D

WORKING PRESSURE CALCULATION

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

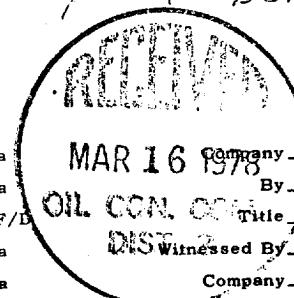
DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	$\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	$\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	$\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	$\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	<u>0</u> MCF/D
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REMARKS:

no flow due to plant being down causing high line pressure

SUMMARY

Item h	<u>380 292</u>	Psia		Company	<u>Continental Oil Company</u>
P _c	<u>609 621</u>	Psia		By	<u>Raymond E. Moore</u>
Q	<u>0</u>	MCF/D		Title	<u>Production Tech.</u>
P _w		Psia		Witnessed By	
P _d	<u>487 496</u>	Psia		Company	
D		MCF/D			

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POOL NAME	POOL SLOPE n =	FORMATION	COUNTY
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COMPANY			WELL NAME AND NUMBER		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
CASING O.D. - INCHES	CASING I.D. - INCHES	SET AT DEPTH - FEET	TUBING O.D. - INCHES	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
GAS PAY ZONE FROM TO		WELL PRODUCING THRU CASING TUBING		GAS GRAVITY	GRAVITY X LENGTH
DATE OF FLOW TEST FROM TO			DATE SHUT-IN PRESSURE MEASURED		

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.)
(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 $P_d = \text{_____} \% P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

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

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

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ $\left[\left(\frac{\text{_____}}{\text{_____}} \right)^n \left(\frac{\text{_____}}{\text{_____}} \right)^n \right] =$ _____ MCF/D
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REMARKS:

SUMMARY

Item h _____ Psia
 P_c _____ Psia
 Q _____ MCF/D
 P_w _____ Psia
 P_d _____ Psia
 D _____ MCF/D

Company _____
 By _____
 Title _____
 Witnessed By _____
 Company _____