

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 <u>n = .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 13</u>		
UNIT LETTER <u>B</u>	SECTION <u>2</u>	TOWNSHIP <u>25-N</u>	RANGE <u>4-W</u>	PURCHASING PIPELINE <u>Gas Com. of N. Mex.</u>	
CASING O.D. - INCHES <u>5.50</u>	CASING I.D. - INCHES <u>4.75</u>	SET AT DEPTH - FEET <u>6256</u>	TUBING O.D. - INCHES <u>2.375</u>	TUBING I.D. - INCHES <u>1.995</u>	TOP - TUBING PERF. - FEET <u>6029</u>
GAS PAY ZONE FROM <u>6058</u> TO <u>6132</u>		WELL PRODUCING THRU CASING _____ TUBING <u>X</u>		GAS GRAVITY <u>.690</u>	GRAVITY X LENGTH <u>4160</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) <u>0</u>	(b) Flowing Tubing Pressure (DWt) <u>285</u>	(c) Flowing Meter Pressure (DWt) <u>266</u>	(d) Flow Chart Static Reading <u>252</u>	(e) Meter Error (Item c - Item d) <u>14</u> ✓	(f) Friction Loss (a - c) or (b - c) <u>19</u> ✓	(g) Average Meter Pressure (Integr.) <u>252</u>
(h) Corrected Meter Pressure (g + e) <u>266</u> ✓	(i) Avg. Wellhead Press. $P_w = (h + f)$ <u>285</u> ✓	(j) Shut-in Casing Pressure (DWt) <u>0</u>	(k) Shut-in Tubing Pressure (DWt) <u>924</u>	(l) P_c = higher value of (j) or (k) <u>924</u> ✓	(m) Del. Pressure $P_d = \frac{80}{100} P_c$ <u>739</u> ✓	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D <u>8</u>	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ <u>1.05556</u> ✓	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ <u>1.0274</u> ✓	Corrected Volume Q = <u>8</u> ✓ MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ <u>.261</u> ✓	$(F_c Q_m)^2 (1000)$ <u>10565</u>	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ <u>191272</u>	P_t^2 <u>81225</u>	$P_w^2 = P_t^2 + R^2$ <u>81226</u>	$P_w = \sqrt{P_w^2}$ <u>285</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>8</u>	$\left[\frac{(30755)^n}{783000} \right] =$ <u>772551</u>	$\left[\frac{.39292}{.3982} \right]^n =$ <u>.5713</u>	<u>4</u> ✓ MCF/D
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REMARKS:

$F_c = 9.402129$

SUMMARY

Item h 266 ✓ Psia
 P_c 924 ✓ Psia
 Q 8 ✓ MCF/D
 P_w 285 ✓ Psia
 P_d 739 ✓ Psia
 D 4 ✓ MCF/D

Company Continental Oil Company
 By Dennis R. Moore
 Title Production Tech
 Witnessed By _____
 Company _____

