NEW MEXICO OIL CONSERVATION COMMISSION

ON INITIAL WELL DELIVERABILITY TEST REPORT FOR 1974

Form C122-A
Revised 1-1-66

POOL NAME	POOL SLOPE	FORMATION	COUNTY
South Blanco	n= .85	Pictured Cliffs	Rio Arriba

COMPANY			WELL NAME AND NUMBER		
Continental Oil Company			AXI Apache N No. 9		
UNIT LETTER	SECTION	TOWNSHIP	RANGE	PURCHASING PIPELINE	
K	11	25N	4W	So. Union Gas Company	
CASING O.D. - INCHES	CASING I.D. - INCHES	SET AT DEPTH - FEET	TUBING O.D - INCHES	TUBING I.D. - INCHES	TOP - TUBING PERF. - FEET
4.5	4.052	3580	1.66	1.38	3791
GAS PAY ZONE		WELL PRODUCING THRU		GAS GRAVITY	GRAVITY X LENGTH
FROM 3732' TO 3738'		CASING	TUBING X	.670	2540
DATE OF FLOW TEST			DATE SHUT-IN PRESSURE MEASURED		
FROM 3-17-74 TO 4-1-74			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.)
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(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 = 80 / 763 P_c	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
205	205	Pc=954	954	954		--

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
369	--	--	Q = 369 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	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
0.169	82.537	13949	42025	55974	~~236.59~~ 237

DELIVERABILITY CALCULATION

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

REMARKS: Fc = 24.62

RECEIVED
JUN 10 1974
OIL CON. COM.
DIST. 3

SUMMARY

Item h	205	Psia
P_c	954	Psia
Q	369	MCF/D
P_w	~~236.59~~ 237	Psia
P_d	763	Psia
D	~~369~~ 164	MCF/D

OIV

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