

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 71

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 L NO. 3		
UNIT LETTER M	SECTION 35	TOWNSHIP 24N	RANGE 4W	PURCHASING PIPELINE SO UNION GAS CO	
CASING O.D. - INCHES 4.5000	CASING I.D. - INCHES 4.0900	SET AT DEPTH - FEET 3321	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 3207
GAS PAY ZONE FROM 3226 TO 3282		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.711	GRAVITY X LENGTH 2280
DATE OF FLOW TEST FROM 09-02-71 TO 09-09-71			DATE SHUT-IN PRESSURE MEASURED 9/16/71		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 239	(b) Flowing Tubing Pressure (DWt) 227	(c) Flowing Meter Pressure (DWt) 457	(d) Flow Chart Static Reading 458	(e) Meter Error (Item c - Item d) -1	(f) Friction Loss (a - c) or (b - c) -230	(g) Average Meter Pressure (Integr.) 462
(h) Corrected Meter Pressure (g + e) 461	(i) Avg. Wellhead Press. $P_t = (h + f)$ 231	(j) Shut-in Casing Pressure (DWt) 334	(k) Shut-in Tubing Pressure (DWt) 334	(l) P_c = higher value of (j) or (k) 334	(m) Del. Pressure $P_d = \frac{80}{P_c}$ 267	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 161	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 0.99781	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 0.99890	Corrected Volume Q = 161 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-R})$ 0.15279	$(F_c Q_m)^2 (1000)$ 2.29141	$R^2 = (1 - e^{-R}) (F_c Q_m)^2 (1000)$ 350.1061	P_t^2 53361.	$P_w^2 = P_t^2 + R^2$ 53711.	$P_w = \sqrt{P_w^2}$ 232
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 161	$\left[\frac{40267.}{57732.} \right]^n =$ 0.69	$=$ 0.736	$=$ 119 MCF/D
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REMARKS:

FC= 9.402129

SUMMARY

Item h	461	Psia
P_c	334	Psia
Q	161	MCF/D
P_w	232	Psia
P_d	267	Psia
D	119	MCF/D

Company	CONTINENTAL OIL COMPANY
By	J. G. FENDRICKER
Title	SENIOR STAFF ASSISTANT
Witnessed By	
Company	

BEFORE THE
OIL CONSERVATION COMMISSION
 Santa Fe, New Mexico

CONTINENTAL Exhibit No. **12**
 Case No. **4628**

1-26-72
Heuring