

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

Form CI 12-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.1		
UNIT LETTER M	SECTION 36	TOWNSHIP 25N	RANGE 4W	PURCHASING PIPELINE SO UNION GAS CO	
CASING O.D. - INCHES 5.5000	CASING I.D. - INCHES 5.0120	SET AT DEPTH - FEET 3398	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 3364
GAS PAY ZONE FROM 3281 TO 3330		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.705	GRAVITY X LENGTH 2372
DATE OF FLOW TEST FROM 8-23-71 TO 8-30-71			DATE SHUT-IN PRESSURE MEASURED 9/ 6/71		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 202	(b) Flowing Tubing Pressure (DWt) 186	(c) Flowing Meter Pressure (DWt) 472	(d) Flow Chart Static Reading 472	(e) Meter Error (Item c - Item d) 0	(f) Friction Loss (a - c) or (b - c) -286	(g) Average Meter Pressure (Integr.) 462
(h) Corrected Meter Pressure (g + e) 462	(i) Avg. Wellhead Press. $P_t = (h + f)$ 176	(j) Shut-in Casing Pressure (DWt) 372	(k) Shut-in Tubing Pressure (DWt) 372	(l) P_c = higher value of (j) or (k) 372	(m) Del. Pressure $P_d = \frac{80}{\%P_c}$ 298	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 167	Quotient of $\frac{\text{Item c}}{\text{Item d}}$ 1.00000	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$ 1.00000	Corrected Volume Q = 167 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-a})$ 0.15840	$(F_c Q_m)^2 (1000)$ 2.46538	$R^2 = (1 - e^{-a}) (F_c Q_m)^2 (1000)$ 390.5293	P_t^2 30976	$P_w^2 = P_t^2 + R^2$ 31367	$P_w = \sqrt{P_w^2}$ 177
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 167	$\left[\frac{49580}{107055} \right]^n =$ 0.46	$=$ 0.519	$=$ 87 MCF/D
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REMARKS:

FC= 9.402129

SUMMARY

Item h 462 Psia
 P_c 372 Psia
 Q 167 MCF/D
 P_w 177 Psia
 P_d 298 Psia
 D 87 MCF/D

Company CONTINENTAL OIL COMPANY
 By W. G. HENDRICKSON
 Title SENIOR STAFF ASSISTANT
 Witnessed By _____
 Company _____

BEFORE THE
 OIL CONSERVATION COMMISSION
 Santa Fe, New Mexico

Continental Exhibit No. **11**

Case No. **4628**

1-26-72
Hendrickson