

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 'J' NO.1		
UNIT LETTER D	SECTION 5	TOWNSHIP 25N	RANGE 5W	PURCHASING PIPELINE SO UNION GAS CO	
CASING O.D. - INCHES 5.5000	CASING I.D. - INCHES 5.0120	SET AT DEPTH - FEET 3010	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 2886
GAS PAY ZONE FROM 2900 TO 2918		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY 0.680	GRAVITY X LENGTH 1962
DATE OF FLOW TEST FROM 10-18-71 TO 10-26-7			DATE SHUT-IN PRESSURE MEASURED 11/ 1/71		

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.)
216	194	282	281	1	-88	281
(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 $P_d = \frac{80}{\%P_c}$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only
282	194	407	402	407	326	

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
349	1.00355	1.00177	Q = 350 MCF/D

WORKING PRESSURE CALCULATION

$(1 - e^{-R})$	$(F_c Q_m)^2 (1000)$	$R^2 = (1 - e^{-R}) (F_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
0.13299	10.82900	1440.1521	37636.	39076.	198

DELIVERABILITY CALCULATION

$$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n = \frac{350}{\left[\frac{59373.}{126445.} \right]^n \left(\frac{0.46}{0.525} \right)^n} = 184 \text{ MCF/D}$$

REMARKS:

FC = 9.402129

SUMMARY

Item h 282 Psia
 P_c 407 Psia
 Q 350 MCF/D
 P_w 198 Psia
 P_d 326 Psia
 D 184 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. **8**

Case No. **4628**

1-26-72
Hanning