

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 72

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n = .75	FORMATION Mesaverde	COUNTY San Juan
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COMPANY Aztec Oil & Gas			WELL NAME AND NUMBER Reid #19		
UNIT LETTER B	SECTION 18	TOWNSHIP 28	RANGE 9W	PURCHASING PIPELINE Southern Union Gathering	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.090	SET AT DEPTH - FEET 6650	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 4338
GAS PAY ZONE FROM 4338 TO 4415		WELL PRODUCING THRU CASING X TUBING		GAS GRAVITY .742	GRAVITY X LENGTH 3219
DATE OF FLOW TEST FROM 1-25-72 TO 2-1-72			DATE SHUT-IN PRESSURE MEASURED 10-22-71		

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.) 185
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_t = (h + f)$ 185	(j) Shut-in Casing Pressure (DWt) 880	(k) Shut-in Tubing Pressure (DWt) ---	(l) P_c = higher value of (j) or (k) 880	(m) Del. Pressure $P_d =$ 80 %P 704	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 286	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 286 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.209	$(F_c Q_m)^2 (1000)$ 1,121	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 234	P_t^2 34,225	$P_w^2 = P_t^2 + R^2$ 34,459	$P_w = \sqrt{P_w^2}$ 186
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	$\left[\frac{278,784}{739,941} \right]^n =$	$.3767^n =$	4808	$= 138 \text{ MCF/D}$
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REMARKS:

3.702

SUMMARY

Item h --- Psia
 P_c 880 Psia
 Q 286 MCF/D
 P_w 186 Psia
 P_d 704 Psia
 D 138 MCF/D

Company Aztec Oil & Gas
 By [Signature]
 Title District Superintendent
 Witnessed By _____
 Company _____

March 1, 1972

