

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 1967

Form C122-A
 Revised 1-1-66

POOL NAME Basin	POOL SLOPE n = .75	FORMATION Dakota	COUNTY San Juan
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COMPANY Aztec Oil and Gas			WELL NAME AND NUMBER Grenier "B" #5		
UNIT LETTER L	SECTION 6	TOWNSHIP 29N	RANGE 10W	PURCHASING PIPELINE Southern Union Gas	
CASING O.D. - INCHES 4½	CASING I.D. - INCHES 4.000	SET AT DEPTH - FEET 6874	TUBING O.D. - INCHES 2-3/8	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 6342
GAS PAY ZONE FROM 6241 TO 6346		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .665	GRAVITY X LENGTH 4217
DATE OF FLOW TEST FROM 9/9/67 TO 9/17/67			DATE SHUT-IN PRESSURE MEASURED 9/25/67		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 680	(b) Flowing Tubing Pressure (DWt) 507	(c) Flowing Meter Pressure (DWt) 500	(d) Flow Chart Static Reading 504	(e) Meter Error (Item c - Item d) -4	(f) Friction Loss (a - c) or (b - c) 7	(g) Average Meter Pressure (Integr.) 490
(h) Corrected Meter Pressure (g + e) 486	(i) Avg. Wellhead Press. $P_t = (h + f)$ 493	(j) Shut-in Casing Pressure (DWt) 1200	(k) Shut-in Tubing Pressure (DWt) 1203	(l) P_c = higher value of (j) or (k) 1203	(m) Del. Pressure $P_d =$ 50 % P_c 602	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 693	Quotient of $\frac{\text{Item c}}{\text{Item d}}$.9921	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$.9960	Corrected Volume Q = 690 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$ 264	$(F_c Q_m)^2 (1000)$ 42,081	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 11,109	P_t^2 243,049	$P_w^2 = P_t^2 + R^2$ 254,158	$P_w = \sqrt{P_w^2}$ 504
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	690	$\left[\frac{1,084,805}{1,193,051} \right]^n =$	.9093	$=$	.9311	$=$	642 MCF/D
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REMARKS:

Initial Test

SUMMARY

Item h **486** Psia
 P_c **1203** Psia
 Q **690** MCF/D
 P_w **504** Psia
 P_d **602** Psia
 D **642** MCF/D

Company **Aztec Oil and Gas**
 By **Joe C. Delmon**
 Title **District Superintendent**
 Witnessed By _____
 Company _____

December 6, 1967



