

NEW MEXICO OIL CONSERVATION COMMISSION
INITIAL WELL DELIVERABILITY TEST REPORT FOR 19 68

Form C122-A
 Revised 1-1-66

POOL NAME Blanco	POOL SLOPE n= .75	FORMATION Mesaverde	COUNTY San Juan
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COMPANY D. J. Simmons			WELL NAME AND NUMBER Simmons E - No. 4		
UNIT LETTER E	SECTION 24	TOWNSHIP 29N	RANGE 9W	PURCHASING PIPELINE El Paso	
CASING O.D. - INCHES 4.500	CASING I.D. - INCHES 4.052	SET AT DEPTH - FEET 7200	TUBING O.D. - INCHES 2.375	TUBING I.D. - INCHES 1.995	TOP - TUBING PERF. - FEET 4670
GAS PAY ZONE FROM 4212 TO 5037		WELL PRODUCING THRU CASING TUBING X		GAS GRAVITY .675	GRAVITY X LENGTH 3152
DATE OF FLOW TEST FROM 6-12-68 TO 6-20-68			DATE SHUT-IN PRESSURE MEASURED 4-5-68		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 471	(b) Flowing Tubing Pressure (DWt) 471	(c) Flowing Meter Pressure (DWt) 802	(d) Flow Chart Static Reading 800	(e) Meter Error (Item c - Item d) 802	(f) Friction Loss (a - c) or (b - c) 642	(g) Average Meter Pressure (Integr.) 471
(h) Corrected Meter Pressure (g + e) 471	(i) Avg. Wellhead Press. $P_t = (h + f)$ 471	(j) Shut-in Casing Pressure (DWt) 802	(k) Shut-in Tubing Pressure (DWt) 800	(l) P_c = higher value of (j) or (k) 802	(m) Del. Pressure $P_d = \frac{80}{\%P_c}$ 642	(n) Separator or Dehydrator Pr. (DWt) for critical flow only

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 1475	Quotient of $\frac{\text{Item c}}{\text{Item d}}$	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$	Corrected Volume Q = 1475 MCF/D
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WORKING PRESSURE CALCULATION

$(1 - e^{-s})$.205	$(F_c Q_m)^2 (1000)$ 192,321	$R^2 = (1 - e^{-s}) (F_c Q_m)^2 (1000)$ 39,426	P_t^2 221841	$P_w^2 = P_t^2 + R^2$ 261267	$P_w = \sqrt{P_w^2}$ 511
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DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	1475	$\left[\frac{231040}{381937} \right]^n =$	.6859	$=$	1,012 MCF/D
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REMARKS:

SUMMARY

Item h	471	Psia
P _c	802	Psia
Q	1475	MCF/D
P _w	511	Psia
P _d	642	Psia
D	1012	MCF/D

Company **D. J. Simmons**
 By **A. B. Geren, Jr.**
 Title **Supt.**
 Witnessed By _____
 Company _____

